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National Occupational Classification (NOC)

2011



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National Occupational Classification (NOC)

2011

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Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

Preface

This publication represents the third revision of the National Occupational Classification (NOC) system and the National Occupational Classification for Statistics (NOC-S). The NOC was jointly developed by Human Resources and Skills Development Canada and Statistics Canada and has been maintained in partnership since the first edition published in 1991/92. However, until this revision, NOC and NOC-S differed in their major group structures and, consequently, in their coding systems. The publication of NOC 2011 on this twentieth anniversary of the classification system reflects the unification of the two versions. With the adoption of NOC 2011 all differences between the classifications used by Human Resources and Skills Development Canada and by Statistics Canada have been eliminated. Furthermore, this has been accomplished while maintaining the advantages of both former classification versions.

NOC 2011 would not have been possible without the significant contribution of a number of individuals and groups. Their commitment to excellence is evident in this revised edition of the foundational system used for describing occupations in the Canadian labour market and for managing the collection and reporting of occupational statistics. The collaborative partnership between the two departments has ensured that the quantitative and qualitative information on occupations is reliable, timely and relevant for a wide range of audiences.

Acknowledgements

This major, structural revision of the NOC was accomplished under the guidance of Alice Born, Director of Standards Division, Statistics Canada and Christian Boucher, Director, Labour Market Information (LMI) Division of the Temporary Foreign Worker and Labour Market Information Directorate, Human Resources and Skills Development Canada. Subject matter expertise was provided from Statistics Canada by Debra Mair of Standards Division and Sandra Swain of Labour Statistics Division. From Human Resources and Skills Development Canada, subject matter expertise was provided by Clara Hamory and Ian McRae of LMI Division. Service Canada's Regional Labour Market Information Directors, their staff and provincial colleagues, as well as Statistics Canada's Methods and Standards Committee and its Advisory Committee on Labour and Income Statistics provided important input to the development of NOC 2011. The many stakeholders who responded to the public online consultation for the 2011 Revision of the NOC, hosted by both departments, provided valuable input which is much appreciated.

The realization of NOC 2011 was dependent on the direct involvement and hard work of a team of occupational research analysts and assistants from both Human Resources and Skills Development Canada and Statistics Canada. The overall process also included consultations with an Interdepartmental Committee of representatives from several government departments that are key users of the NOC. The professionalism and dedication of all those involved in the revision process is reflected in the results of this project which has unified the two variants of the classification while maintaining the advantages of both systems. This success is attributable to the co-operation between these stakeholders and to the partnership between Human Resources and Skills Development Canada and Statistics Canada.

Statistics Canada's Internet version of this publication was created jointly by Sylvain Boucher and Niloufar Zanganeh. Their Systems Engineering Division and Administrative and Dissemination Systems Division were responsible for their systems development of the PDF and HTML versions. Human Resources and Skills Development Canada's NOC content development was undertaken by the analysts of LMI Division's Occupational Research unit and Web development by Lyne Phillion, Linda Trudel and Jules-André Léger with the help of the Skills and Labour Market Information team of Innovation, Information and Technology Branch.

Both Statistics Canada and Human Resources and Skills Development Canada wish to acknowledge the valuable input of other individuals and groups too numerous to name. Research consultants, academics, professional associations, sector organizations, educators as well as employers and workers throughout the Canadian labour market provided occupational information and advice that informed this revision process. Their contribution has ensured that the quality and integrity of NOC 2011 has been maintained and it will continue to be the authoritative foundational reference and framework for occupational data and descriptive information.

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Introduction

Background

The National Occupational Classification (NOC) 2011 updates both the National Occupational Classification of Human Resources and Skills Development Canada and Statistics Canada's National Occupational Classification for Statistics (NOC-S) which was based on it. It is the nationally accepted taxonomy and organizational framework of occupations in the Canadian labour market. This revision represents the 20th anniversary of the classification and reflects the unification of Human Resources and Skills Development Canada's NOC and Statistics Canada's NOC-S. This revised edition eliminates the differences between the two former systems and incorporates the advantages of both. Through the collaborative partnership between Human Resources and Skills Development Canada and Statistics Canada the department and the statistical agency introduce the revised and unified National Occupational Classification - NOC 2011.

As in the past, this revision is based on extensive occupational research, analysis and consultation conducted across the country. In the decade since its first structural revision in 2001, the labour market has evolved significantly. Technological innovation, further globalization of the economy and restructuring of the workplace have impacted many occupations. In addition to content changes, the harmonization of the NOC and the NOC-S has resulted in a new classification structure.

The NOC is designed to classify occupational information from statistical surveys. It is also used in a range of contexts to compile, analyze and communicate information about occupations. Occupational information is of critical importance for the provision of labour market and career intelligence, skills development, occupational forecasting, labour supply and demand analysis, employment equity and numerous other programs and services. It provides a standardized framework for organizing the world of work in a manageable, understandable and coherent system.

The basic principle of classification of the NOC is that of kind of work performed. Occupations are identified and grouped primarily in terms of the work usually performed, this being determined by the tasks, duties, and responsibilities of the occupation. Factors such as the materials processed or used, the industrial processes and the equipment used, the degree of responsibility and complexity of work, as well as the products made and services provided, have been taken as indicators of the work performed when combining jobs into occupations and occupations into groups.

An occupation is defined as a collection of jobs, sufficiently similar in work performed to be grouped under a common label for classification purposes. A job, in turn, encompasses all the tasks carried out by a particular worker to complete their duties.

Structure of NOC 2011

The National Occupational Classification 2011 is a four-tiered hierarchical arrangement of occupational groups with successive levels of disaggregation. It contains broad occupational categories, major, minor and unit groups.

10 broad occupational categories

Each broad occupational category has a unique one-digit code number and is composed of one or more major groups.

40 major groups

Each major group has a unique two-digit code number and is composed of one or more minor groups. The first digit of this code indicates the broad occupational category to which the major group belongs.

140 minor groups

Each minor group has a unique three-digit code number and is composed of one or more unit groups. The first two digits of this code indicate the major group to which the minor group belongs.

500 unit groups

Each unit group has a unique four-digit code. The first three digits of this code indicate the major and minor groups to which the unit group belongs.

For example:

0	Management occupations
00	Senior management occupations
001	Legislators and senior management
0011	Legislators
0012	Senior government managers and officials
0013	Senior managers - financial, communications and other business services
0014	Senior managers - health, education, social and community services and membership organizations
0015	Senior managers - trade, broadcasting and other services, n.e.c.
0016	Senior managers - construction, transportation, production and utilities

The broad occupational category code, designated by a single digit, is repeated at all levels. Major group codes are created by adding a second digit. This digit appears in the second position at all lower levels in the structure. Minor group codes add a third digit. Finally, the 4-digit unit group codes contain the digit identifying the broad occupational category, followed by the digit identifying the major group and the digit identifying the minor group and a last digit identifying the unit group.

There are approximately 40,000 occupational titles classified in the 500 unit groups of the NOC 2011. Some of these titles are clearly occupations, such as librarian and chef, while others reflect specializations within an occupational area, such as music librarian and pastry chef. Still others represent a range of jobs, such as furniture assembler and sawmill machine operator.

These titles are used to describe the work performed by many individuals holding similar jobs within an occupational area. The list of titles in the NOC is not meant to be exhaustive, but attempts to cover the most commonly used and universally understood labels that identify work in the labour market.

Abbreviations

Few abbreviations are used in this classification. Particular attention should be given to the abbreviation n.e.c. (not elsewhere classified). As an occupational qualifier it is occasionally used in the labels of major, minor and unit groups to refer to occupations not elsewhere classified; e.g. 065 Managers in customer and personal services, n.e.c. indicates that this class includes managers in customer and personal services that are not classified elsewhere in the classification.

Language

The NOC is available separately in both official languages. It is important to note that the French version includes only titles commonly used in French and proper to the milieu and, therefore, these are not normally translations of the English titles. The classification structure is the same in both languages.

Unit group labels are presented in gender-neutral format in French identifying the masculine and feminine titles separated by a slash. Where relevant, this structure is used in English as well. The illustrative example titles are also presented in gender-neutral format. The NOC descriptions are written using the masculine form as they refer to all workers within the included occupations. This has been done in order to lighten the text and to reduce reading burden.

Modifying terms

Modifying terms have been added to several job titles, as extensions, to designate the industrial sector or the domain of expertise. If applicable, this information is preceded by a dash at the end of the title (cashier supervisor - retail trade) to distinguish between similar titles. These modifying terms specify where the titles appear in the classification structure (painter - visual arts; painter - manufacture of motor vehicles). This information should be considered when coding job titles.

Format of unit group descriptions

Each NOC unit group description consists of several standardized sections which define and describe its content.

Lead statement

This section provides a general description of the content and boundaries of the unit group and indicates the main activities of occupations within the unit group. It also indicates the kinds of industries or establishments in which the occupations are found. The list of places of employment is not always exhaustive, but can assist in clarifying the occupations described and in differentiating them from occupations found in other groups.

Illustrative examples¹ / Example titles²

This section is a list of titles commonly used in the labour market. The titles are intended to illustrate the contents and range of the occupational group. This is not an exhaustive list of titles.

Exclusions¹ / Classified elsewhere²

This section clarifies the boundaries of the unit group by identifying related unit groups and similar occupations that are classified elsewhere. Unit groups or individual occupations are cited in this section when they bear a functional similarity to the unit group or when similar titles occur.

Main duties

This section lists some of the tasks or duties performed in the occupations in the unit group. Depending on the contents of the unit group, one of three formats is used.

- A series of statements that can be applied to all occupations in the unit group. This format was selected for unit groups that contain a single core occupation, such as 1242 Legal administrative assistants and 2146 Aerospace engineers. This format was also selected for unit groups that contain a range of related titles that nevertheless share a set of common duties, such as 1411 General office support workers and 9417 Machining tool operators.
- Two or more sub-sets of occupations with a series of statements that apply to each component. This format was selected for unit groups that consist of two or more sub-components which, while similar enough to be in the same unit group, can be described separately. Examples of unit groups with this format are 3141 Audiologists and speech-language pathologists and 5125 Translators, terminologists and interpreters.
- A series of brief descriptive statements that are linked to specific occupations within a group. This format was selected for unit groups that contain a series of occupations which, while similar enough to be in the same unit group, can be described separately. Examples of unit groups with this format include 4423 By-law enforcement and other regulatory officers, n.e.c. and 5226 Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts.

1. This heading is used by Statistics Canada.

2. This heading is used by Human Resources and Skills Development Canada.

For some unit groups, a statement appears at the end of the tasks performed or main duties section, identifying specializations that exist within the occupational area encompassed by the unit group.

Employment requirements

This section describes the employment requirements for the unit group. Several types of requirements are identified in this section and are listed in the following order.

- Type and level of formal education: for example, secondary school, college diploma, university degree. Efforts were made to be as specific as possible, though many unit groups have a range of acceptable educational requirements.
- Specific training: for example, apprenticeship training, on-the-job training, training courses specific to an occupation.
- Experience in another occupation: for example, supervisors usually require several years of experience in the occupation that they supervise.
- Licences, certificates or registration: for example, regulatory requirements to practice in a regulated profession, special licenses to operate certain kinds of vehicles.
- Other requirements: for example, athletic ability or artistic talent.

Note: Some occupations are designated as regulated professions and trades. Regulations are subject to change and may vary across jurisdictions. The most reliable information on regulatory requirements for occupations is found on the Web sites of provincial regulatory organizations and licensing authorities.

The Employment requirements section does not attempt to describe personal suitability requirements that are assessed by employers as part of the hiring process.

Some occupations have very definite employment requirements while for others, there is no consensus or a range of acceptable requirements exist. To reflect this variation in the labour market, this section describes employment requirements using the following terminology:

- "... is required" - to indicate a definite requirement;
- "... is usually required" - to indicate something that is usually required by the majority of employers, but not always required by all employers; and
- "... may be required" - to indicate something that may be required by some employers, but on a less frequent basis.

Note: For reasons of brevity, in this section the term college includes the following types of post-secondary institutions: community colleges, CÉGEPS, technical institutes, trade schools and agricultural colleges. Where relevant, in some provinces, it may also include private training organizations, music conservatories and other non-degree granting institutions.

Additional information

This section appears in some unit group descriptions. It provides information on the following:

- progression to other occupations (such as supervisory or management positions) based on transferability of skills from acquired occupational experience;
- mobility patterns, such as inter- and intra-occupational transferability of skills (for example, identifying occupations that are part of internal lines of progression or specializations within a subject matter area);
- trends and forthcoming changes in the unit group's employment requirements; and
- other information to clarify and define the unit group.

Related classifications: NAICS, Class of Worker

The classification of occupations does not stand alone but must be understood as being related to other classifications, such as the North American Industry Classification System (NAICS) and that of Class of Worker. Each of these classifications supplements the NOC 2011 in presenting a rounded picture of the nature of a person's job.

North American Industry Classification System (NAICS)

The industrial qualifier which may accompany the job title:

- a) Indicates the type of economic activity with which the job is usually associated. (It is important to note that the assignment of an industrial qualifier does not necessarily limit a job to that industry. These qualifiers are merely indicative of the possible areas of activity in which the job may be found.)
- b) Permits the assignment of similar occupational titles to different occupation groups where the duties vary between industries.
- c) Aids in defining the specific occupations and helps the coder grasp the underlying principles of this classification.

The industry in which the individual is employed is determined by the kind of economic activity of the establishment. The establishment is usually a factory, mine, farm, store, other place of business or an institution for which a number of basic production variables can be compiled.

It is important to note the conceptual differences between an industry classification and an occupation classification. An establishment can employ individuals performing completely different occupations, and these are classified to appropriate occupational groups, but the industrial classification of each individual employed in the establishment should be the same and is determined by the nature of the product made or service rendered. In other words, the nature of the factory, business or service in which the person is employed does not determine the classification of the occupation, except to the extent that it enables the nature of the duties to be more clearly defined.

Class of Worker

Class of worker refers to an individual's employment relationship to the business in which he or she works, as employee or self employed, including unpaid family worker, and thus provides another means of describing the work. The NOC 2011 does not indicate the class of worker classification for each occupation since many occupations contain both jobs held by employees and jobs of self-employed individuals. However, a general rule has been established for coding purposes and is discussed in full under the section on Coding.

NOC 2011

NOC 2011 replaces the National Occupational Classification (NOC) of Human Resources and Skills Development Canada and Statistics Canada's National Occupational Classification for Statistics (NOC-S). These classifications were revised jointly by Human Resources and Skills Development Canada and Statistics Canada every 5 years according to the census cycle. The maintenance of the classification alternates between minor updates and structural revisions. Only in 10-year structural revisions are such changes considered as: the creation of new classes, the collapsing of classes, the moving of classes in the structure or the moving of content between classes.

The 2011 revision represents a major structural realignment. A key objective of this revision was to harmonize the coding structures and eliminate all other differences between the two classifications, fulfilling a request heard from users of both the NOC and the NOC-S. The result is the unified NOC 2011 which was developed through the joint efforts of Human Resources and Skills Development Canada and Statistics Canada and will be used by both.

Separate concordance tables explain the revisions to both classification systems that have resulted in the harmonized classification structure for NOC 2011.

In addition to these changes, for NOC 2011, a new variant of the classification has been developed at a high level of aggregation. It is designed to better support the analysis of highly aggregated data (See: Variant for highly aggregated data).

Citation

The National Occupation Classification 2011 is a joint product of Statistics Canada and Human Resources and Skills Development Canada. The appropriate department should be cited when materials are used. The structure, class labels, class definitions (lead statements), example titles and exclusions were jointly developed and are to be attributed to both departments. The content of the main duties, employment requirements and additional information sections as well as the theoretical framework and the accompanying definitions of skill level and skill type are the intellectual property of Human Resources and Skills Development Canada and are to be attributed to the department when cited.

Comparison of NOC 2006 and NOC-S 2006 to NOC 2011

The major difference between the NOC and the NOC-S had been the greater use in the NOC of skill level as a classification criterion. Whereas the NOC organized occupations by 10 skill types and four skill levels, NOC-S relied more on skill type in defining its major groups. The NOC 2011 uses the organizational structure of the NOC (See: NOC Classification criteria).

In order to incorporate skill level as an organizational principle, several major groups from NOC-S 2006 were changed and a new coding structure reflecting the skill type by skill level numerical coding of the NOC was adopted. The relationship between the major groups of NOC 2011 and NOC-S 2006 is detailed in the concordance tables (See: [NOC 2011 - NOC-S 2006](#) and [NOC-S 2006 - NOC 2011](#)).

In order to provide at the major group level a comparable level of detail to that which had been provided by the NOC-S major groups, the number of major groups was increased from the 26 major groups of NOC 2006 to 40 major groups in NOC 2011. The relationship between the major groups of NOC 2011 and NOC 2006 is detailed in the concordance tables. See: [NOC 2006 - NOC 2011](#) at Human Resources and Skills Development Canada:

<http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Concordance.aspx>

The unit group descriptions of NOC 2011 contain all the types of information carried in NOC 2006. In comparison to NOC-S 2006, users will find additional information on the activities performed by workers in each unit group and a section related to educational and/or training requirements for entering an occupation. These sections provide further information on the nature of the jobs included in each unit group, help to code job titles to the correct class and help identify the relative distinctions between skill levels for occupations.

The NOC and NOC-S had also differed in their treatment of military personnel. The NOC classified military personnel whose occupations had a civilian counterpart in the group appropriate to that civilian occupation. The NOC-S classified all military personnel on the basis of rank to one of two unit groups: one for commissioned officers and one for other ranks. NOC 2011 follows the approach used in NOC-S, with all military personnel being classified to either 0433 Commissioned officers of the Canadian Forces or 4313 Non-commissioned ranks of the Canadian Forces. The adoption of the NOC-S approach allowed this difference to be resolved with no impact on the historical comparability of data.

In this structural revision, various changes were also made at the unit group level to enable the classification to continue to provide a framework for the provision of relevant and reliable information on the occupational structure of Canada. New unit groups have been formed either by combining unit groups or parts of unit groups from 2006 and content has been moved between skill types and levels. The full relationship between the unit groups of NOC 2011 and those of NOC and NOC-S 2006 is presented in the concordances, but some highlights are noted here.

Some unit groups were moved to better reflect the skill type of the work performed. For example, Loan officers, Customer service representatives - financial, and Customer service, information and related clerks all moved from Business to Sales and service. Public relations and communications professionals moved from Art and culture to Business. Protective service occupations, including the military, police and firefighters, moved from Sales and

service to Government services. Care providers and educational assistants moved from Sales and service to Community and education services. Certain trades, including upholsterers and tailors, moved from Trades and equipment to Services. As a final example, Power system, station and auxiliary equipment operators moved from Trades and equipment operators to Utilities.

In other cases, only part of a group was moved. For example, legal assistants moved out of Paralegal and related occupations, in Law, into Legal administrative assistants, in Business. Advertising and marketing managers moved out of Sales, marketing and advertising managers, in Sales, into Advertising, marketing and public relations managers, in Business services. Similarly, Library assistants moved from Library and archive technicians and assistants, in Education, law and social, community and government services, to Library assistants and clerks, in Business, finance and administration.

Other unit groups were moved to better reflect the occupation's current skill level. For example, the group for Non-commissioned ranks of the Canadian Forces was moved from skill level C to skill level B to recognize the training that occurs post-recruitment. Water and waste treatment plant operators also moved from skill level C to B due to the changing requirements associated with this occupation. Farmers and farm managers were moved into management to recognize the significant management component in these occupations.

As was the case with skill type, here also there were cases where only part of a unit group was moved. For example, midwives were moved from skill level B to skill level A into a new unit group, Allied primary health practitioners. Pharmacy technicians and physiotherapy assistants moved from skill level C to skill level B, now included, respectively, in Other medical technologists and technicians (except dental health) and Other technical occupations in therapy and assessment.

Finally, some unit groups were combined. Administrative clerks were merged with General office clerks due to the increasing similarity in the job titles and work performed in these two unit groups. In other cases, particularly in manufacturing, unit groups that have been declining in size were combined with related groups.

In addition to these structural changes, the 2011 revision also provided an opportunity to add many new job titles in order to reflect changing terminology and new technology in the workplace and the rise of new occupations and specializations. Too numerous to list, these additions included titles ranging from oil and gas contractor to mystery shopper and from physician assistant to seismic buried facilities locator.

NOC classification criteria

The two major attributes of jobs used as classification criteria in developing the NOC are skill type and skill level. A description of skill levels is presented first as the definitions of skill types incorporate some information related to the concept of skill level. Other factors, such as industry and occupational mobility, are also taken into consideration.

Skill level

Skill level is defined generally as the amount and type of education and training required to enter and perform the duties of an occupation. In determining skill level, the experience required for entry, and the complexity and responsibilities typical of an occupation are also considered in relation to other occupations.

Four skill level categories are identified in the NOC. Each major, minor and unit group is assigned to one of the skill levels.

The skill level categories are broad aggregates, reflecting four commonly accepted educational, training or preparatory routes for entering employment. Requirements for individual unit groups or occupations may overlap between the boundaries of the skill levels. For example, some occupations can be entered with either a university degree or a college diploma. When the entry requirements for a unit group or occupation reflect a range of possible educational and training specifications, skill level placement of the group was determined by considering several factors. These include the requirements most generally demanded by employers, the minor group context, complexity of overall responsibilities and knowledge requirements as well as further training and specialization acquired on the job.

The classification describes the educational and training requirements for occupations. However, the education and experience of particular job incumbents may not correspond exactly to the level described. Individuals may be over-qualified for their work or they may work in occupations for which the entry requirements have changed after they became employed.

It is important to note that the skill level categories are not intended to designate socio-economic status or prestige. Rather they are intended to reflect actual occupational entry requirements. These requirements are expressed in terms of the formal educational system and other types of training specified by employers.

Management occupations, while considered a skill type, are assigned to the skill level A category. These occupations are at the top of organizational hierarchies and as such, are characterized by high levels of responsibility, accountability and subject matter expertise gained through either formal education or extensive occupational experience. Management occupations span the entire classification structure and are found in all sectors or areas of the labour market. A range of factors are taken into consideration as determinants for employment in management occupations.

The skill level categories of the NOC are outlined and defined below.

NOC skill level criteria - education/training and other criteria

Skill level A

- University degree (bachelor's, master's or doctorate)

Skill level B

- Two to three years of post-secondary education at community college, institute of technology or CÉGEP
or
- Two to five years of apprenticeship training
or
- Three to four years of secondary school and more than two years of on-the-job training, occupation-specific training courses or specific work experience
- Occupations with supervisory responsibilities are also assigned to skill level B.
- Occupations with significant health and safety responsibilities (e.g., fire fighters, police officers and licensed practical nurses) are assigned to skill level B.

Skill level C

- Completion of secondary school and some short-duration courses or training specific to the occupation or
or
- Some secondary school education, with up to two years of on-the-job training, training courses or specific work experience

Skill level D

- Short work demonstration or on-the-job training or

or

- No formal educational requirements

Skill level is referenced in the code for all occupations with the exception of management occupations. For all non-management occupations the second digit of the numerical code corresponds to skill level. Skill levels are identified as follows: level A - 0 or 1; level B - 2 or 3; level C - 4 or 5; and level D - 6 or 7.

Skill type

Skill type is defined as the type of work performed, although other factors related to skill type are also reflected in the NOC. One of these factors is similarity with respect to the educational discipline or field of study required for entry into an occupation. Another factor is the industry of employment where experience within an internal job ladder or within a specific industry is usually a prerequisite for entry. The 10 skill types, 0 to 9, are presented below and are also identified in the first digit of the NOC numerical code for all occupations.

The ten broad occupational categories of the NOC are based on skill type

0. Management occupations

This skill type category contains legislators, senior management occupations and middle management occupations. While management occupations are defined as a skill type, they are also found throughout all other skill type areas of the classification. The first digit of the code for all management occupations is 0.

These occupations are considered to be at the top of the organizational hierarchy of workplaces or businesses. Decision-making that affects the organization as a whole, or departments within organizations, is undertaken by management. As such, management is characterized by high levels of responsibility, accountability and subject matter expertise. Expertise is acquired through either formal education or extensive occupational experience. For these reasons all management occupations in the NOC 2011 are also included within skill level A.

1. Business, finance and administration occupations

This category contains occupations that are concerned with providing financial and business services, administrative and regulatory services and clerical supervision and support services. Some occupations in this category are unique to the financial and business service sectors; however, most are found in all industries.

Often, occupations at skill levels A and B are supplied from educational programs specific to the profession or occupation. Some occupations at skill level B are also supplied from experienced workers in related administrative support occupations.

2. Natural and applied sciences and related occupations

This category contains professional and technical occupations in the sciences, including physical and life sciences, engineering, architecture and information technology.

Occupations in this skill type category require post-secondary education in an appropriate scientific discipline. Progression from occupations in skill level B to occupations in skill level A is usually dependent on completion of additional formal education.

3. Health occupations

This category includes occupations concerned with providing health care services directly to patients and occupations that provide support to professional and technical staff. Most occupations in this skill type category require post-secondary education in a related health care program. Progression from occupations in skill level B to occupations in skill level A is usually dependent on completion of additional formal education. Occupations in skill level C require short training programs.

4. Occupations in education, law and social, community and government services

This skill type category includes a range of occupations that are concerned with law, public protective services, teaching, counselling, conducting social science research, developing government policy, and administering government and other programs.

Occupations in this skill type category usually require completion of a related post-secondary program. Progression from occupations in skill level B to occupations in skill level A is not usually possible without completion of additional formal education.

5. Occupations in art, culture, recreation and sport

This skill type category includes professional and technical occupations related to art and culture, including the performing arts, film and video, broadcasting, journalism, writing, creative design, libraries and museums. It also includes occupations in recreation and sport.

This category is characterized by occupations which are linked by subject matter to formal post-secondary educational programs but which have, for the most part, a range of acceptable qualifications. Occupations in this category are also characterized by a requirement for creative talent, such as for designers and performers, or for athletic ability. Unit groups for occupations that usually require university graduation in a professional discipline, such as journalism or library science, have been classified in skill level A. Most others have been classified in skill level B in recognition of the wide range of entry routes that are possible.

6. Sales and service occupations

This skill type category contains sales occupations, personal services and security service occupations, and occupations related to the hospitality and tourism industries.

Occupations in skill level B of this category can be linked, for the most part, to formal post-secondary or occupation-specific training programs. Others are characterized by periods of formal on-the-job training other than apprenticeship. Progression from occupations in skill level C or D to those in skill level B usually require completion of related training programs. Some progression through experience is possible for supervisory positions.

7. Trades, transport and equipment operators and related occupations

This skill type category includes construction and mechanical trades, trades supervisors and contractors and operators of transportation and heavy equipment. These occupations are found in a wide range of industrial sectors, with many occurring in the construction and transportation industries.

This category includes most of the apprenticeable trades, including all of those related to the construction industry. Other occupations in this category usually require completion of college or other programs combined with on-the-job training. Progression to supervisory or self-employed contractor status is possible with experience. There is limited mobility or transferability of skills among occupations in this category due to specific apprenticeship, training and licensing requirements for most occupations.

8. Natural resources, agriculture and related production occupations

This category contains supervisory and equipment operation occupations in the natural resource-based sectors of mining, oil and gas production, forestry and logging, agriculture, horticulture and fishing. Most occupations in this category are industry specific and do not occur outside of the primary industries.

Occupations within skill level B of this category generally require completion of college or other post-secondary training programs. Some, however, are characterized by industry-based training and progression through experience

9. Occupations in manufacturing and utilities

This category contains supervisory and production occupations in manufacturing, processing and utilities.

Occupations in this category are characterized by internal progression and on-the-job training. Workers typically start out in these occupations at entry-level positions and progress to increasingly higher skilled occupations through experience. Mobility between employers or industries may be limited by seniority provisions of collective agreements. The occupations in skill level B of this category are increasingly technical in nature and post-secondary training programs are required for some.

Industry

Industry and occupation are separate variables which can be cross-tabulated to provide detailed information on employment. However, many occupations are found almost solely within one particular industry. For example, mining and automobile assembly occupations occur each within their respective industrial sectors.

During the original research and development of the NOC, it was realized that in many industries, occupational mobility is determined more by internal job ladders than by functional specialization. In consequence, some unit groups include workers of a particular skill level within a specific industry. Although the occupational categorisation resembles in part an industrial categorisation, the variables remain separate and distinct.

Industry was used in the development of classification categories for senior management occupations, for occupations in natural resources, agriculture and related production and for occupations in manufacturing and utilities.

Occupational mobility

In developing the NOC, an effort was made to consider mobility or transferability of skills between occupations. The objective was to develop unit groups where the potential for mobility, or substitution of workers, would be greater within the group than between groups. Movement within groups usually follows when the group is homogeneous in skill level and skill type, indicating increased potential for transferability of competencies and development of specialization. Movement between groups, or inter-occupational mobility, usually reflects a change in skill level (e.g., vertical mobility) or a change in skill type (e.g., acquisition of new responsibilities and diversified skills).

The degree of occupational mobility that exists for unit groups varies. Many unit group descriptions include a statement that indicates the potential for, and type of, mobility that characterizes the unit group.

Other classification considerations

In addition to the previously mentioned criteria, other factors were considered in determining the boundaries between unit groups and the contents of each group. These additional factors were the size of the unit groups and the codability or operational feasibility of the groups. Codability relates to the ease of accurately coding or assigning reported job titles from survey respondents to the occupational groups of the classification.

The size (or estimated number of workers) of the unit group was considered for reasons of statistical reliability and confidentiality. Generally, unit groups which contain fewer than 1,000 Canadian workers have not been delineated.

Because the NOC structure is used to code responses to the National Household Survey and other surveys, it must provide a set of unit groups that can be used for this operational application. The insufficient precision of some survey responses and ambiguities of language were given consideration in finalizing the unit groups.

The NOC Matrix

A matrix classifying the NOC major and minor groups has been developed to provide an overview of the entire classification and to show the organization of the groups by both skill type and skill level.

There are 10 skill types in the NOC identified as 0 to 9. The vertical columns of the matrix correspond to nine of the 10 skill type categories with the exception of management. Management, the first skill type or 0, is organized across the top of the matrix and spans all nine skill types as it is found within all occupational sectors or categories. The first digit of each code identifies the major and minor group as belonging to one of the ten skill type categories, 0 to 9.

The horizontal rows of the matrix correspond to the four skill level categories. Management occupations are by default included in the skill level A category. For all non-management occupations, the second digit of each code identifies the major and minor group as belonging to one of the four skill level categories.

Within each cell of the matrix, the major and minor groups that belong to each skill type and skill level category are listed. Management occupations are the exception, which span all skill type categories and are included in skill level A. The second digit of management occupations identifies the occupational sector of management, for example 031 Managers in health care. See: [Matrix](#) at Human Resources and Skills Development Canada:

<http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Matrix.aspx>

Issues and conventions of the NOC

Some of the many issues that were encountered in the development of the NOC and the conventions adopted in response are discussed in the following paragraphs.

Management occupations

Management occupations present a special problem for reliable coding of occupational survey responses. In many cases there is little indication of the level of responsibility, the size of the enterprise or division managed, or the field of specialization.

To be of practical use, a classification of managers must be a compromise between the theoretically optimal and the practical solutions.

Senior management occupations (in major group 00) have been divided on the basis of industry of employment into six unit groups.

Middle and other management occupations are divided into three major groups, 18 minor groups and 42 unit groups on the basis of specialization (e.g., Purchasing managers) or industry of employment (e.g., Postal and courier services managers). In certain cases (e.g., Managers in transportation) groups defined by industry also contain managers in that specialization regardless of their industry of employment.

Supervisors

Supervisors and foremen/women have generally been classified in skill level B.

In most cases, professional and technical occupations are supervised by managerial or professional personnel respectively. However, where supervisors are identified for professional and technical groups, they are generally classified in the same unit groups as the occupations supervised.

Supervisors in the following occupational categories have been classified in supervisor unit groups or minor groups separate from the workers supervised:

- administrative services occupations
- nursing occupations
- sales and service occupations
- trades and transport and equipment operators

- occupations in natural resources and agriculture
- occupations in manufacturing and utilities.

Most minor and unit groups in the occupational categories listed above have a corresponding supervisory group. Occasionally, as in minor group 431, Occupations in front-line public protection services, supervision is provided by managers and there are no corresponding supervisory groups in major group 43.

Trades

All apprenticeable trades are included in skill level B. Their inclusion does not imply an exact equivalence of skill between all trades, but rather that they occupy a range that lies within the boundaries of this skill level category. Information on entry requirements is provided within each unit group description.

Inspectors, testers and graders

Generally, inspectors who require post-secondary education have been classified in separate unit groups in skill level B or with technicians and technologists, also in skill level B. Other non-technical inspectors, testers, graders and samplers have been included either in separate unit groups covering occupations in processing industries or in unit groups of assemblers and fabricators in manufacturing industries. This is reflective of patterns of employment found within industries and the increasing responsibility for quality control that is placed on manufacturing production workers.

Apprentices and trainees

Apprentices and trainees have been classified in the same unit groups as the occupations for which they are training. Similarly, interns, residents and articling students are classified with their respective professional groups.

This convention has been adopted of necessity to prevent a proliferation of unit groups of apprentices. It is not intended to imply equivalence or interchangeability of apprentices or trainees with fully qualified workers.

NOC 2011 coding system

As indicated previously, the first two digits of each code convey meaning with respect to the group's skill type and skill level category.

For all occupations, including management, the first digit of each code identifies the major, minor and unit group as belonging to one of the skill type categories. For all non-management occupations, the second digit of each code identifies the major, minor and unit group as belonging to one of the four skill level categories.

For management occupations, the first two digits also convey meaning. The first digit is always 0 to convey management, while the second digit conveys the skill type category in which the management occupation is found. All management occupations are included as part of skill level A.

The following charts summarize and illustrate the meanings embedded in the coding system.

The skill type category is...	when the first digit is...
Management occupations	0
Business, finance and administration occupations	1
Natural and applied sciences and related occupations	2
Health occupations	3
Occupations in education, law and social, community and government services	4
Occupations in art, culture, recreation and sport	5

Sales and service occupations	6
Trades, transport and equipment operators and related occupations	7
Natural resources, agriculture and related production occupations	8
Occupations in manufacturing and utilities	9
The skill level category is...	when the second digit is...
Skill Level A	0 or 1
Skill Level B	2 or 3
Skill Level C	4 or 5
Skill Level D	6 or 7

Important note: For management, the first digit is always 0. Senior managers in major group 00 are generally managers of middle managers, therefore the second digit is also 0. For middle management occupations, the second digit represents the skill type categories, from 1 to 9, as above. All management occupations are included in skill level A.

Examples of codes and their meanings:

Code	Meaning
9231	The first digit indicates skill type category 9, Occupations in manufacturing and utilities. The second digit indicates skill level category B.
6533	The first digit indicates skill type category 6, Sales and service occupations. The second digit indicates skill level category C.
0212	The first digit 0 always indicates a management occupation. All management occupations are part of skill level A. The second digit indicates management in skill type category 2, Natural and applied sciences and related occupations

Variant for highly aggregated data

A variant of NOC 2011 has been developed jointly by Statistics Canada and Human Resources and Skills Development Canada. It is based on a review of actual practices in the analysis of highly aggregated occupational data, consideration of the highest aggregation level in the International Standard Classification of Occupations (ISCO) and consultation with potential users.

The variant consists of 10 groupings, from a. to j., that are a convenient and useful way to summarize and analyse more detailed classes. The first three classes are homogeneous on skill level. The remaining classes focus on skill type. All classes consist of entire major groups; no major group is split between classes of the variant.

Variant Aggregation Structure

Variant classes	Major groups included
a. Management	00 Senior management occupations
	01-05 Specialized middle management occupations
	06 Middle management occupations in retail and wholesale trade and customer services
	07-09 Middle management occupations in trades, transportation, production and utilities
b. Professional	11 Professional occupations in business and finance
	21 Professional occupations in natural and applied sciences
	30 Professional occupations in nursing

	31 Professional occupations in health (except nursing)
	40 Professional occupations in education services
	41 Professional occupations in law and social, community and government services
	51 Professional occupations in art and culture
c. Technical and paraprofessional	22 Technical occupations related to natural and applied sciences
	32 Technical occupations in health
	42 Paraprofessional occupations in legal, social, community and education services
	43 Occupations in front-line public protection services
	52 Technical occupations in art, culture, recreation and sport
d. Administration and administrative support	12 Administrative and financial supervisors and administrative occupations
	13 Finance, insurance and related business administrative occupations
	14 Office support occupations
	15 Distribution, tracking and scheduling co-ordination occupations
e. Sales	62 Retail sales supervisors and specialized sales occupations
	64 Sales representatives and salespersons - wholesale and retail trade
	66 Sales support occupations
f. Personal and customer information services	63 Service supervisors and specialized service occupations
	65 Service representatives and other customer and personal services occupations
	67 Service support and other service occupations, n.e.c.
	34 Assisting occupations in support of health services
	44 Care providers and educational, legal and public protection support occupations
g. Industrial, construction and equipment operation trades	72 Industrial, electrical and construction trades
	73 Maintenance and equipment operation trades
h. Workers and labourers in transport and construction	74 Other installers, repairers and servicers and material handlers
	75 Transport and heavy equipment operation and related maintenance occupations
	76 Trades helpers, construction labourers and related occupations
i. Natural resources, agriculture and related production occupations	82 Supervisors and technical occupations in natural resources, agricultural and related production
	84 Workers in natural resources, agriculture and related production
	86 Harvesting, landscaping and natural resources labourers

j. Occupations in manufacturing and utilities	92 Processing, manufacturing and utilities supervisors and central control operators
	94 Processing and manufacturing machine operators and related production workers
	95 Assemblers in manufacturing
	96 Labourers in processing, manufacturing and utilities

Coding

The NOC provides an overall structure for classifying occupations according to kind of work performed. The lists of example titles are merely indicative of the types of occupations that fit within specific unit groups. The lists of example titles are not exhaustive nor are they intended to be.

When coding an occupation, all the relevant facts about the job and its environment should be obtained. These include the kind of work performed, the most important activities or duties, the job titles, the kind of business, industry or service, and the class of worker described earlier. The more complete and comprehensive the information the coder is able to assemble about the duties performed by a worker on a particular job, the easier it will be to determine the appropriate classification.

To code an occupation, it is possible to start with either the classification structure or the search tool.

Using the structure

When using the structure, it is best to exploit the hierarchical nature of the classification. First the broad occupational category (skill type) which seems most likely to contain the job should be identified. Next the most appropriate major group within the broad occupational category should be found. Skill level can also provide a guide to locating major groups by considering titles with terms such as "technical", "supervisor", "helper", and "labourer". The process should be continued to find the most appropriate minor group within the major group selected. Finally the most appropriate unit group within the minor group selected should be identified. The unit group definition should be read carefully before deciding if this unit group offers the best possible classification. In addition, the example titles listed for the unit group should be examined to ensure that the choice is actually the best.

Using the NOC search tool

a. First search for the occupation. This can be done by searching using a key part of the occupation title and reviewing the search results to find the four-digit code that contains the occupation sought. Check whether the title appears in any other four-digit code listed. If it does, the corresponding industrial qualifiers should be checked and the one which relates most closely to the one stated by the respondent selected. Using this code, go to the unit group. Read its definition carefully as well as the list of example titles before deciding whether it is the most appropriate classification. Also consult the list of Exclusions for similar occupations that are classified elsewhere.

b. If the occupation title cannot be found or if the definition appears inappropriate, enter another title in the search. Some suggestions are:

1. Look for the noun form: answering the phone will be a Receptionist or Telephone clerk
2. Shorten the title: Electronic data processor to Data processor
3. Find a synonym: Aircraft mechanic for Aircraft maintenance technician
4. If the title is inverted, look for it in its natural order e.g. Manager, store may be located using Store manager

c. Also consider such factors as:

-
1. Job location - tunnel worker; bridge keeper
 2. Kind of machines used - cement-mixer operator; hydraulic riveter
 3. Material used - concrete mason; leather handbag maker
 4. Subject matter - music cataloguer; press clipper
 5. Activity performed - locomotive inspector; body shop foreman/woman
 6. Job skills - surgical instrument repairer; tool machinist

Coding procedures for problem responses

The procedure described above assumes responses contain sufficient information for coding. Unfortunately, depending upon the survey methods used, some responses may be problematic. This occurs when the information in the response is either vague or contradictory. Experience at Statistics Canada suggests the following approaches to resolving such problems.

Coding vague responses

It is suggested that vague responses be coded only to the level within the classification that is possible. Of course, before doing so, any information that is available about the respondent should be consulted.

Using education in coding

This is especially useful in coding occupational responses that are vague. The most reliable way of using education is as an exclusionary edit. Certain occupations require a minimum education and it is possible to exclude vague responses from being coded to such occupations if the respondent does not have the minimum education required. Great care must be taken when using education in occupational coding and it should only be used as a last resort.

Coding when the response contains contradictory information

Sometimes the responses will give an occupational title and a description of work performed that are contradictory. A response "labourer, driving dump truck" is contradictory in terms of the classification, as driving a truck is not considered elemental work. This response should be coded as a truck driver in 7511 Transport truck drivers.

In general, it is best to let the description of the work performed predominate over occupational titles when coding.

Some occupational titles can be misleading. Titles that have manager as part of the title are sometimes not managers. For example, project managers and case managers are usually not managers and must be coded based on a description of their work. Special care must be given to responses that have manager, labourer, or consultant as part of the title as these terms have a variety of meanings in the workplace.

Coding responses containing two or more occupations

Where two or more occupations are reported in reply to a question on occupation, the first one mentioned should be coded unless there is additional information to suggest otherwise.

Classification rules

Managers

Managers are usually classified to the broad occupational category 0 Management Occupations. Within this category the senior managers that are the top of a management hierarchy as denoted by terms such as president, chief executive officer, etc. are classified in major group 00 Senior management occupations.

Managers with a management specialty, such as human resource management, are classified according to specialty in major group 01-05 Specialized middle management occupations. However, senior managers with a specialist responsibility would be classified with senior management in major group 00 Senior management occupations.

An attempt has been made to isolate many of the managers of small businesses by classifying managers of retail stores, restaurants, hotels and similar businesses in a separate major group 06 Middle management occupations in retail and wholesale trade.

All other managers are classified according to the type of business managed within major group 07-09 Middle management occupations in trades, transportation, production and utilities.

Proprietors

As a general rule, the class of worker status, that is, whether the respondent works for wages or is self-employed, is not considered for classification purposes. An exception is made for proprietors in retail trade, food and accommodation services and residential home building. These are classified as managers to the following unit groups:

0621	Retail and wholesale trade managers
0631	Restaurant and food service managers
0632	Accommodation service managers
0712	Home building and renovation managers

Contractors

Contractors are classified in several areas of the classification. General contractors in construction are classified in unit group 0711 Construction managers. Renovation contractors and home building contractors are classified in unit group 0712 Home building and renovation managers.

Contractors specializing in a specific trade such as plumbing, electrical, carpentry, etc., are classified together with supervisors to the appropriate unit group for that trade. That is, a plumbing contractor is classified to unit group 7203 Contractors and supervisors, pipefitting trades.

Supervisors and foremen/women

Supervisors are classified to separate unit groups for supervisors where they exist. These are found in the following minor groups for supervisors:

121	Administrative services supervisors
621	Retail sales supervisors
631	Service supervisors
720	Contractors and supervisors, industrial, electrical and construction trades and related workers
730	Contractors and supervisors, maintenance trades and heavy equipment and transport operators
821	Supervisors, logging and forestry
822	Contractors and supervisors, mining, oil and gas
825	Contractors and supervisors, agriculture, horticulture and related operations and services
921	Supervisors, processing and manufacturing occupations
922	Supervisors, assembly and fabrication

This unit group for supervisors is found outside of the supervisor minor groups:

3011	Nursing co-ordinators and supervisors
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Where a separate unit group does not exist, supervisors are classified with the workers supervised. For example, in most professional major groups there are no separate unit groups for supervisors, the one exception being unit group 3011 Nursing co-ordinators and supervisors.

Technical occupations follow a similar rule and there are no separate unit groups for supervisors in this area.

Even where separate supervisory unit groups exist, "lead hands" are not classified to them as previous research has indicated that supervision is usually only a minor part of such jobs.

Apprentices

Apprentices are classified within the groups for tradesmen/women. For example an apprentice carpenter is classified to the appropriate trade group, unit group 7271 Carpenters.

Helpers

Helpers are usually considered as labourers. Most helpers will be found in the building trades such as carpenter's helper, mason's helper, roofer's helper, etc. These jobs are not to be confused with formal apprenticeships and are not classified as tradesmen/women but are classified to unit group 7611 Construction trades helpers and labourers.

Labourers

Labourers are classified in separate unit groups in the following major groups:

76	Trades helpers, construction labourers and related occupations
86	Harvesting, landscaping and natural resources labourers
96	Labourers in processing, manufacturing and utilities

Sample questions for obtaining occupation information

The following questions indicate the type of information and the format that could be used to obtain the facts necessary to classify an occupation.

a. For whom did you work?

- Name of firm, government agency, etc.

b. What kind of business, industry or service was this?

Please give details. For example: primary school, municipal police, wheat farm, shoe store.

c. What was your work or occupation?

Please be specific. For example: plumber, fishing guide, wood furniture assembler, secondary school teacher. (If in the armed forces, give rank).

d. In this work, what were your main activities?

Please give details. For example: installed residential plumbing, guided fishing parties, made wood furniture products, taught mathematics.

e. In this job or business, were you mainly:

-
- Working for wages, salary, tips or commission?
 - Working without pay for your spouse or another relative in a family farm or business?
 - Self-employed without paid help (alone or in a partnership)?
 - Self-employed with paid help (alone or in a partnership)?

More information on the NOC

For information on the National Occupational Classification (NOC) and its use for programs and services such as, immigrating to Canada, labour market information, job searches and working in Canada, please contact [Human Resources and Skills Development Canada](#) at noc-cnp@workingincanada.gc.ca.

Classification structure

0 Management occupations

00 Senior management occupations

001 Legislators and senior management

- 0011 Legislators
- 0012 Senior government managers and officials
- 0013 Senior managers - financial, communications and other business services
- 0014 Senior managers - health, education, social and community services and membership organizations
- 0015 Senior managers - trade, broadcasting and other services, n.e.c.
- 0016 Senior managers - construction, transportation, production and utilities

01-05 Specialized middle management occupations

011 Administrative services managers

- 0111 Financial managers
- 0112 Human resources managers
- 0113 Purchasing managers
- 0114 Other administrative services managers

012 Managers in financial and business services

- 0121 Insurance, real estate and financial brokerage managers
- 0122 Banking, credit and other investment managers
- 0124 Advertising, marketing and public relations managers
- 0125 Other business services managers

013 Managers in communication (except broadcasting)

- 0131 Telecommunication carriers managers
- 0132 Postal and courier services managers

021 Managers in engineering, architecture, science and information systems

- 0211 Engineering managers
- 0212 Architecture and science managers
- 0213 Computer and information systems managers

031 Managers in health care

- 0311 Managers in health care

041 Managers in public administration

- 0411 Government managers - health and social policy development and program administration
- 0412 Government managers - economic analysis, policy development and program administration
- 0413 Government managers - education policy development and program administration
- 0414 Other managers in public administration

042 Managers in education and social and community services

- 0421 Administrators - post-secondary education and vocational training
- 0422 School principals and administrators of elementary and secondary education
- 0423 Managers in social, community and correctional services

043 Managers in public protection services

- 0431 Commissioned police officers

-
- 0432 Fire chiefs and senior firefighting officers
 - 0433 Commissioned officers of the Canadian Forces

051 Managers in art, culture, recreation and sport

- 0511 Library, archive, museum and art gallery managers
- 0512 Managers - publishing, motion pictures, broadcasting and performing arts
- 0513 Recreation, sports and fitness program and service directors

06 Middle management occupations in retail and wholesale trade and customer services**060 Corporate sales managers**

- 0601 Corporate sales managers

062 Retail and wholesale trade managers

- 0621 Retail and wholesale trade managers

063 Managers in food service and accommodation

- 0631 Restaurant and food service managers
- 0632 Accommodation service managers

065 Managers in customer and personal services, n.e.c.

- 0651 Managers in customer and personal services, n.e.c.

07-09 Middle management occupations in trades, transportation, production and utilities**071 Managers in construction and facility operation and maintenance**

- 0711 Construction managers
- 0712 Home building and renovation managers
- 0714 Facility operation and maintenance managers

073 Managers in transportation

- 0731 Managers in transportation

081 Managers in natural resources production and fishing

- 0811 Managers in natural resources production and fishing

082 Managers in agriculture, horticulture and aquaculture

- 0821 Managers in agriculture
- 0822 Managers in horticulture
- 0823 Managers in aquaculture

091 Managers in manufacturing and utilities

- 0911 Manufacturing managers
- 0912 Utilities managers

1 Business, finance and administration occupations**11 Professional occupations in business and finance****111 Auditors, accountants and investment professionals**

- 1111 Financial auditors and accountants
- 1112 Financial and investment analysts
- 1113 Securities agents, investment dealers and brokers
- 1114 Other financial officers

112 Human resources and business service professionals

- 1121 Human resources professionals
- 1122 Professional occupations in business management consulting
- 1123 Professional occupations in advertising, marketing and public relations

12 Administrative and financial supervisors and administrative occupations**121 Administrative services supervisors**

- 1211 Supervisors, general office and administrative support workers
- 1212 Supervisors, finance and insurance office workers
- 1213 Supervisors, library, correspondence and related information workers
- 1214 Supervisors, mail and message distribution occupations
- 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations

122 Administrative and regulatory occupations

- 1221 Administrative officers
- 1222 Executive assistants
- 1223 Human resources and recruitment officers
- 1224 Property administrators
- 1225 Purchasing agents and officers
- 1226 Conference and event planners
- 1227 Court officers and justices of the peace
- 1228 Employment insurance, immigration, border services and revenue officers

124 Office administrative assistants - general, legal and medical

- 1241 Administrative assistants
- 1242 Legal administrative assistants
- 1243 Medical administrative assistants

125 Court reporters, transcriptionists, records management technicians and statistical officers

- 1251 Court reporters, medical transcriptionists and related occupations
- 1252 Health information management occupations
- 1253 Records management technicians
- 1254 Statistical officers and related research support occupations

13 Finance, insurance and related business administrative occupations**131 Finance, insurance and related business administrative occupations**

- 1311 Accounting technicians and bookkeepers
- 1312 Insurance adjusters and claims examiners
- 1313 Insurance underwriters
- 1314 Assessors, valuers and appraisers
- 1315 Customs, ship and other brokers

14 Office support occupations**141 General office workers**

- 1411 General office support workers
- 1414 Receptionists
- 1415 Personnel clerks
- 1416 Court clerks

142 Office equipment operators

- 1422 Data entry clerks
- 1423 Desktop publishing operators and related occupations

143 Financial, insurance and related administrative support workers

- 1431 Accounting and related clerks
- 1432 Payroll clerks
- 1434 Banking, insurance and other financial clerks
- 1435 Collectors

145 Library, correspondence and other clerks

- 1451 Library assistants and clerks
- 1452 Correspondence, publication and regulatory clerks
- 1454 Survey interviewers and statistical clerks

15 Distribution, tracking and scheduling co-ordination occupations**151 Mail and message distribution occupations**

- 1511 Mail, postal and related workers
- 1512 Letter carriers
- 1513 Couriers, messengers and door-to-door distributors

152 Supply chain logistics, tracking and scheduling co-ordination occupations

- 1521 Shippers and receivers
- 1522 Storekeepers and partspersons
- 1523 Production logistics co-ordinators
- 1524 Purchasing and inventory control workers
- 1525 Dispatchers
- 1526 Transportation route and crew schedulers

2 Natural and applied sciences and related occupations**21 Professional occupations in natural and applied sciences****211 Physical science professionals**

- 2111 Physicists and astronomers
- 2112 Chemists
- 2113 Geoscientists and oceanographers
- 2114 Meteorologists and climatologists
- 2115 Other professional occupations in physical sciences

212 Life science professionals

- 2121 Biologists and related scientists
- 2122 Forestry professionals
- 2123 Agricultural representatives, consultants and specialists

213 Civil, mechanical, electrical and chemical engineers

- 2131 Civil engineers
- 2132 Mechanical engineers
- 2133 Electrical and electronics engineers
- 2134 Chemical engineers

214 Other engineers

- 2141 Industrial and manufacturing engineers
- 2142 Metallurgical and materials engineers
- 2143 Mining engineers
- 2144 Geological engineers
- 2145 Petroleum engineers
- 2146 Aerospace engineers

-
- 2147 Computer engineers (except software engineers and designers)
 - 2148 Other professional engineers, n.e.c.

215 Architects, urban planners and land surveyors

- 2151 Architects
- 2152 Landscape architects
- 2153 Urban and land use planners
- 2154 Land surveyors

216 Mathematicians, statisticians and actuaries

- 2161 Mathematicians, statisticians and actuaries

217 Computer and information systems professionals

- 2171 Information systems analysts and consultants
- 2172 Database analysts and data administrators
- 2173 Software engineers and designers
- 2174 Computer programmers and interactive media developers
- 2175 Web designers and developers

22 Technical occupations related to natural and applied sciences

221 Technical occupations in physical sciences

- 2211 Chemical technologists and technicians
- 2212 Geological and mineral technologists and technicians

222 Technical occupations in life sciences

- 2221 Biological technologists and technicians
- 2222 Agricultural and fish products inspectors
- 2223 Forestry technologists and technicians
- 2224 Conservation and fishery officers
- 2225 Landscape and horticulture technicians and specialists

223 Technical occupations in civil, mechanical and industrial engineering

- 2231 Civil engineering technologists and technicians
- 2232 Mechanical engineering technologists and technicians
- 2233 Industrial engineering and manufacturing technologists and technicians
- 2234 Construction estimators

224 Technical occupations in electronics and electrical engineering

- 2241 Electrical and electronics engineering technologists and technicians
- 2242 Electronic service technicians (household and business equipment)
- 2243 Industrial instrument technicians and mechanics
- 2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors

225 Technical occupations in architecture, drafting, surveying, geomatics and meteorology

- 2251 Architectural technologists and technicians
- 2252 Industrial designers
- 2253 Drafting technologists and technicians
- 2254 Land survey technologists and technicians
- 2255 Technical occupations in geomatics and meteorology

226 Other technical inspectors and regulatory officers

- 2261 Non-destructive testers and inspection technicians
- 2262 Engineering inspectors and regulatory officers
- 2263 Inspectors in public and environmental health and occupational health and safety
- 2264 Construction inspectors

227 Transportation officers and controllers

- 2271 Air pilots, flight engineers and flying instructors
- 2272 Air traffic controllers and related occupations
- 2273 Deck officers, water transport
- 2274 Engineer officers, water transport
- 2275 Railway traffic controllers and marine traffic regulators

228 Technical occupations in computer and information systems

- 2281 Computer network technicians
- 2282 User support technicians
- 2283 Information systems testing technicians

3 Health occupations**30 Professional occupations in nursing****301 Professional occupations in nursing**

- 3011 Nursing co-ordinators and supervisors
- 3012 Registered nurses and registered psychiatric nurses

31 Professional occupations in health (except nursing)**311 Physicians, dentists and veterinarians**

- 3111 Specialist physicians
- 3112 General practitioners and family physicians
- 3113 Dentists
- 3114 Veterinarians

312 Optometrists, chiropractors and other health diagnosing and treating professionals

- 3121 Optometrists
- 3122 Chiropractors
- 3124 Allied primary health practitioners
- 3125 Other professional occupations in health diagnosing and treating

313 Pharmacists, dietitians and nutritionists

- 3131 Pharmacists
- 3132 Dietitians and nutritionists

314 Therapy and assessment professionals

- 3141 Audiologists and speech-language pathologists
- 3142 Physiotherapists
- 3143 Occupational therapists
- 3144 Other professional occupations in therapy and assessment

32 Technical occupations in health**321 Medical technologists and technicians (except dental health)**

- 3211 Medical laboratory technologists
- 3212 Medical laboratory technicians and pathologists' assistants
- 3213 Animal health technologists and veterinary technicians
- 3214 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists
- 3215 Medical radiation technologists
- 3216 Medical sonographers
- 3217 Cardiology technologists and electrophysiological diagnostic technologists, n.e.c.
- 3219 Other medical technologists and technicians (except dental health)

322 Technical occupations in dental health care

- 3221 Denturists
- 3222 Dental hygienists and dental therapists
- 3223 Dental technologists, technicians and laboratory assistants

323 Other technical occupations in health care

- 3231 Opticians
- 3232 Practitioners of natural healing
- 3233 Licensed practical nurses
- 3234 Paramedical occupations
- 3236 Massage therapists
- 3237 Other technical occupations in therapy and assessment

34 Assisting occupations in support of health services**341 Assisting occupations in support of health services**

- 3411 Dental assistants
- 3413 Nurse aides, orderlies and patient service associates
- 3414 Other assisting occupations in support of health services

4 Occupations in education, law and social, community and government services**40 Professional occupations in education services****401 University professors and post-secondary assistants**

- 4011 University professors and lecturers
- 4012 Post-secondary teaching and research assistants

402 College and other vocational instructors

- 4021 College and other vocational instructors

403 Secondary and elementary school teachers and educational counsellors

- 4031 Secondary school teachers
- 4032 Elementary school and kindergarten teachers
- 4033 Educational counsellors

41 Professional occupations in law and social, community and government services**411 Judges, lawyers and Quebec notaries**

- 4111 Judges
- 4112 Lawyers and Quebec notaries

415 Social and community service professionals

- 4151 Psychologists
- 4152 Social workers
- 4153 Family, marriage and other related counsellors
- 4154 Professional occupations in religion
- 4155 Probation and parole officers and related occupations
- 4156 Employment counsellors

416 Policy and program researchers, consultants and officers

- 4161 Natural and applied science policy researchers, consultants and program officers
- 4162 Economists and economic policy researchers and analysts
- 4163 Business development officers and marketing researchers and consultants
- 4164 Social policy researchers, consultants and program officers

4165	Health policy researchers, consultants and program officers
4166	Education policy researchers, consultants and program officers
4167	Recreation, sports and fitness policy researchers, consultants and program officers
4168	Program officers unique to government
4169	Other professional occupations in social science, n.e.c.

42 Paraprofessional occupations in legal, social, community and education services

421 Paraprofessional occupations in legal, social, community and education services

4211	Paralegal and related occupations
4212	Social and community service workers
4214	Early childhood educators and assistants
4215	Instructors of persons with disabilities
4216	Other instructors
4217	Other religious occupations

43 Occupations in front-line public protection services

431 Occupations in front-line public protection services

4311	Police officers (except commissioned)
4312	Firefighters
4313	Non-commissioned ranks of the Canadian Forces

44 Care providers and educational, legal and public protection support occupations

441 Home care providers and educational support occupations

4411	Home child care providers
4412	Home support workers, housekeepers and related occupations
4413	Elementary and secondary school teacher assistants

442 Legal and public protection support occupations

4421	Sheriffs and bailiffs
4422	Correctional service officers
4423	By-law enforcement and other regulatory officers, n.e.c.

5 Occupations in art, culture, recreation and sport

51 Professional occupations in art and culture

511 Librarians, archivists, conservators and curators

5111	Librarians
5112	Conservators and curators
5113	Archivists

512 Writing, translating and related communications professionals

5121	Authors and writers
5122	Editors
5123	Journalists
5125	Translators, terminologists and interpreters

513 Creative and performing artists

5131	Producers, directors, choreographers and related occupations
5132	Conductors, composers and arrangers
5133	Musicians and singers
5134	Dancers
5135	Actors and comedians

5136 Painters, sculptors and other visual artists

52 Technical occupations in art, culture, recreation and sport

521 Technical occupations in libraries, public archives, museums and art galleries

5211 Library and public archive technicians
5212 Technical occupations related to museums and art galleries

522 Photographers, graphic arts technicians and technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts

5221 Photographers
5222 Film and video camera operators
5223 Graphic arts technicians
5224 Broadcast technicians
5225 Audio and video recording technicians
5226 Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts
5227 Support occupations in motion pictures, broadcasting, photography and the performing arts

523 Announcers and other performers, n.e.c.

5231 Announcers and other broadcasters
5232 Other performers, n.e.c.

524 Creative designers and craftspersons

5241 Graphic designers and illustrators
5242 Interior designers and interior decorators
5243 Theatre, fashion, exhibit and other creative designers
5244 Artisans and craftspersons
5245 Patternmakers - textile, leather and fur products

525 Athletes, coaches, referees and related occupations

5251 Athletes
5252 Coaches
5253 Sports officials and referees
5254 Program leaders and instructors in recreation, sport and fitness

6 Sales and service occupations

62 Retail sales supervisors and specialized sales occupations

621 Retail sales supervisors

6211 Retail sales supervisors

622 Technical sales specialists in wholesale trade and retail and wholesale buyers

6221 Technical sales specialists - wholesale trade
6222 Retail and wholesale buyers

623 Insurance, real estate and financial sales occupations

6231 Insurance agents and brokers
6232 Real estate agents and salespersons
6235 Financial sales representatives

63 Service supervisors and specialized service occupations**631 Service supervisors**

- 6311 Food service supervisors
- 6312 Executive housekeepers
- 6313 Accommodation, travel, tourism and related services supervisors
- 6314 Customer and information services supervisors
- 6315 Cleaning supervisors
- 6316 Other services supervisors

632 Chefs and cooks

- 6321 Chefs
- 6322 Cooks

633 Butchers and bakers

- 6331 Butchers, meat cutters and fishmongers - retail and wholesale
- 6332 Bakers

634 Specialized occupations in personal and customer services

- 6341 Hairstylists and barbers
- 6342 Tailors, dressmakers, furriers and milliners
- 6343 Shoe repairers and shoemakers
- 6344 Jewellers, jewellery and watch repairers and related occupations
- 6345 Upholsterers
- 6346 Funeral directors and embalmers

64 Sales representatives and salespersons - wholesale and retail trade**641 Sales and account representatives - wholesale trade (non-technical)**

- 6411 Sales and account representatives - wholesale trade (non-technical)

642 Retail salespersons

- 6421 Retail salespersons

65 Service representatives and other customer and personal services occupations**651 Occupations in food and beverage service**

- 6511 Maîtres d'hôtel and hosts/hostesses
- 6512 Bartenders
- 6513 Food and beverage servers

652 Occupations in travel and accommodation

- 6521 Travel counsellors
- 6522 Purser and flight attendants
- 6523 Airline ticket and service agents
- 6524 Ground and water transport ticket agents, cargo service representatives and related clerks
- 6525 Hotel front desk clerks

653 Tourism and amusement services occupations

- 6531 Tour and travel guides
- 6532 Outdoor sport and recreational guides
- 6533 Casino occupations

654 Security guards and related security service occupations

- 6541 Security guards and related security service occupations

655 Customer and information services representatives

- 6551 Customer services representatives - financial institutions
- 6552 Other customer and information services representatives

656 Other occupations in personal service

- 6561 Image, social and other personal consultants
- 6562 Estheticians, electrologists and related occupations
- 6563 Pet groomers and animal care workers
- 6564 Other personal service occupations

66 Sales support occupations**661 Cashiers**

- 6611 Cashiers

662 Other sales support and related occupations

- 6621 Service station attendants
- 6622 Store shelf stockers, clerks and order fillers
- 6623 Other sales related occupations

67 Service support and other service occupations, n.e.c.**671 Food counter attendants, kitchen helpers and related support occupations**

- 6711 Food counter attendants, kitchen helpers and related support occupations

672 Support occupations in accommodation, travel and amusement services

- 6721 Support occupations in accommodation, travel and facilities set-up services
- 6722 Operators and attendants in amusement, recreation and sport

673 Cleaners

- 6731 Light duty cleaners
- 6732 Specialized cleaners
- 6733 Janitors, caretakers and building superintendents

674 Other service support and related occupations, n.e.c.

- 6741 Dry cleaning, laundry and related occupations
- 6742 Other service support occupations, n.e.c.

7 Trades, transport and equipment operators and related occupations**72 Industrial, electrical and construction trades****720 Contractors and supervisors, industrial, electrical and construction trades and related workers**

- 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations
- 7202 Contractors and supervisors, electrical trades and telecommunications occupations
- 7203 Contractors and supervisors, pipefitting trades
- 7204 Contractors and supervisors, carpentry trades
- 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers

723 Machining, metal forming, shaping and erecting trades

- 7231 Machinists and machining and tooling inspectors
- 7232 Tool and die makers
- 7233 Sheet metal workers
- 7234 Boilermakers

7235	Structural metal and platework fabricators and fitters
7236	Ironworkers
7237	Welders and related machine operators

724 Electrical trades and electrical power line and telecommunications workers

7241	Electricians (except industrial and power system)
7242	Industrial electricians
7243	Power system electricians
7244	Electrical power line and cable workers
7245	Telecommunications line and cable workers
7246	Telecommunications installation and repair workers
7247	Cable television service and maintenance technicians

725 Plumbers, pipefitters and gas fitters

7251	Plumbers
7252	Steamfitters, pipefitters and sprinkler system installers
7253	Gas fitters

727 Carpenters and cabinetmakers

7271	Carpenters
7272	Cabinetmakers

728 Masonry and plastering trades

7281	Bricklayers
7282	Concrete finishers
7283	Tilesetters
7284	Plasterers, drywall installers and finishers and lathers

729 Other construction trades

7291	Roofers and shinglers
7292	Glaziers
7293	Insulators
7294	Painters and decorators (except interior decorators)
7295	Floor covering installers

73 Maintenance and equipment operation trades**730 Contractors and supervisors, maintenance trades and heavy equipment and transport operators**

7301	Contractors and supervisors, mechanic trades
7302	Contractors and supervisors, heavy equipment operator crews
7303	Supervisors, printing and related occupations
7304	Supervisors, railway transport operations
7305	Supervisors, motor transport and other ground transit operators

731 Machinery and transportation equipment mechanics (except motor vehicle)

7311	Construction millwrights and industrial mechanics
7312	Heavy-duty equipment mechanics
7313	Refrigeration and air conditioning mechanics
7314	Railway carmen/women
7315	Aircraft mechanics and aircraft inspectors
7316	Machine fitters
7318	Elevator constructors and mechanics

732 Automotive service technicians

7321	Automotive service technicians, truck and bus mechanics and mechanical repairers
7322	Motor vehicle body repairers

733 Other mechanics and related repairers

- 7331 Oil and solid fuel heating mechanics
- 7332 Appliance servicers and repairers
- 7333 Electrical mechanics
- 7334 Motorcycle, all-terrain vehicle and other related mechanics
- 7335 Other small engine and small equipment repairers

736 Train crew operating occupations

- 7361 Railway and yard locomotive engineers
- 7362 Railway conductors and brakemen/women

737 Crane operators, drillers and blasters

- 7371 Crane operators
- 7372 Drillers and blasters - surface mining, quarrying and construction
- 7373 Water well drillers

738 Printing press operators and other trades and related occupations, n.e.c.

- 7381 Printing press operators
- 7384 Other trades and related occupations, n.e.c.

74 Other installers, repairers and servicers and material handlers**744 Other installers, repairers and servicers**

- 7441 Residential and commercial installers and servicers
- 7442 Waterworks and gas maintenance workers
- 7444 Pest controllers and fumigators
- 7445 Other repairers and servicers

745 Longshore workers and material handlers

- 7451 Longshore workers
- 7452 Material handlers

75 Transport and heavy equipment operation and related maintenance occupations**751 Motor vehicle and transit drivers**

- 7511 Transport truck drivers
- 7512 Bus drivers, subway operators and other transit operators
- 7513 Taxi and limousine drivers and chauffeurs
- 7514 Delivery and courier service drivers

752 Heavy equipment operators

- 7521 Heavy equipment operators (except crane)
- 7522 Public works maintenance equipment operators and related workers

753 Other transport equipment operators and related maintenance workers

- 7531 Railway yard and track maintenance workers
- 7532 Water transport deck and engine room crew
- 7533 Boat and cable ferry operators and related occupations
- 7534 Air transport ramp attendants
- 7535 Other automotive mechanical installers and servicers

76 Trades helpers, construction labourers and related occupations**761 Trades helpers and labourers**

- 7611 Construction trades helpers and labourers

7612 Other trades helpers and labourers

762 Public works and other labourers, n.e.c.

7621 Public works and maintenance labourers

7622 Railway and motor transport labourers

8 Natural resources, agriculture and related production occupations

82 Supervisors and technical occupations in natural resources, agriculture and related production

821 Supervisors, logging and forestry

8211 Supervisors, logging and forestry

822 Contractors and supervisors, mining, oil and gas

8221 Supervisors, mining and quarrying

8222 Contractors and supervisors, oil and gas drilling and services

823 Underground miners, oil and gas drillers and related occupations

8231 Underground production and development miners

8232 Oil and gas well drillers, servicers, testers and related workers

824 Logging machinery operators

8241 Logging machinery operators

825 Contractors and supervisors, agriculture, horticulture and related operations and services

8252 Agricultural service contractors, farm supervisors and specialized livestock workers

8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services

826 Fishing vessel masters and fishermen/women

8261 Fishing masters and officers

8262 Fishermen/women

84 Workers in natural resources, agriculture and related production

841 Mine service workers and operators in oil and gas drilling

8411 Underground mine service and support workers

8412 Oil and gas well drilling and related workers and services operators

842 Logging and forestry workers

8421 Chain saw and skidder operators

8422 Silviculture and forestry workers

843 Agriculture and horticulture workers

8431 General farm workers

8432 Nursery and greenhouse workers

844 Other workers in fishing and trapping and hunting occupations

8441 Fishing vessel deckhands

8442 Trappers and hunters

86 Harvesting, landscaping and natural resources labourers

861 Harvesting, landscaping and natural resources labourers

8611 Harvesting labourers

8612 Landscaping and grounds maintenance labourers

8613	Aquaculture and marine harvest labourers
8614	Mine labourers
8615	Oil and gas drilling, servicing and related labourers
8616	Logging and forestry labourers

9 Occupations in manufacturing and utilities

92 Processing, manufacturing and utilities supervisors and central control operators

921 Supervisors, processing and manufacturing occupations

9211	Supervisors, mineral and metal processing
9212	Supervisors, petroleum, gas and chemical processing and utilities
9213	Supervisors, food, beverage and associated products processing
9214	Supervisors, plastic and rubber products manufacturing
9215	Supervisors, forest products processing
9217	Supervisors, textile, fabric, fur and leather products processing and manufacturing

922 Supervisors, assembly and fabrication

9221	Supervisors, motor vehicle assembling
9222	Supervisors, electronics manufacturing
9223	Supervisors, electrical products manufacturing
9224	Supervisors, furniture and fixtures manufacturing
9226	Supervisors, other mechanical and metal products manufacturing
9227	Supervisors, other products manufacturing and assembly

923 Central control and process operators in processing and manufacturing

9231	Central control and process operators, mineral and metal processing
9232	Petroleum, gas and chemical process operators
9235	Pulping, papermaking and coating control operators

924 Utilities equipment operators and controllers

9241	Power engineers and power systems operators
9243	Water and waste treatment plant operators

94 Processing and manufacturing machine operators and related production workers

941 Machine operators and related workers in mineral and metal products processing and manufacturing

9411	Machine operators, mineral and metal processing
9412	Foundry workers
9413	Glass forming and finishing machine operators and glass cutters
9414	Concrete, clay and stone forming operators
9415	Inspectors and testers, mineral and metal processing
9416	Metalworking and forging machine operators
9417	Machining tool operators
9418	Other metal products machine operators

942 Machine operators and related workers in chemical, plastic and rubber processing

9421	Chemical plant machine operators
9422	Plastics processing machine operators
9423	Rubber processing machine operators and related workers

943 Machine operators and related workers in pulp and paper production and wood processing and manufacturing

9431	Sawmill machine operators
9432	Pulp mill machine operators

9433	Papermaking and finishing machine operators
9434	Other wood processing machine operators
9435	Paper converting machine operators
9436	Lumber graders and other wood processing inspectors and graders
9437	Woodworking machine operators

944 Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing

9441	Textile fibre and yarn, hide and pelt processing machine operators and workers
9442	Weavers, knitters and other fabric making occupations
9445	Fabric, fur and leather cutters
9446	Industrial sewing machine operators
9447	Inspectors and graders, textile, fabric, fur and leather products manufacturing

946 Machine operators and related workers in food, beverage and associated products processing

9461	Process control and machine operators, food, beverage and associated products processing
9462	Industrial butchers and meat cutters, poultry preparers and related workers
9463	Fish and seafood plant workers
9465	Testers and graders, food, beverage and associated products processing

947 Printing equipment operators and related occupations

9471	Plateless printing equipment operators
9472	Camera, platemaking and other prepress occupations
9473	Binding and finishing machine operators
9474	Photographic and film processors

95 Assemblers in manufacturing

952 Mechanical, electrical and electronics assemblers

9521	Aircraft assemblers and aircraft assembly inspectors
9522	Motor vehicle assemblers, inspectors and testers
9523	Electronics assemblers, fabricators, inspectors and testers
9524	Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing
9525	Assemblers, fabricators and inspectors, industrial electrical motors and transformers
9526	Mechanical assemblers and inspectors
9527	Machine operators and inspectors, electrical apparatus manufacturing

953 Other assembly and related occupations

9531	Boat assemblers and inspectors
9532	Furniture and fixture assemblers and inspectors
9533	Other wood products assemblers and inspectors
9534	Furniture finishers and refinishers
9535	Plastic products assemblers, finishers and inspectors
9536	Industrial painters, coaters and metal finishing process operators
9537	Other products assemblers, finishers and inspectors

96 Labourers in processing, manufacturing and utilities

961 Labourers in processing, manufacturing and utilities

9611	Labourers in mineral and metal processing
9612	Labourers in metal fabrication
9613	Labourers in chemical products processing and utilities
9614	Labourers in wood, pulp and paper processing
9615	Labourers in rubber and plastic products manufacturing
9616	Labourers in textile processing
9617	Labourers in food, beverage and associated products processing

9618	Labourers in fish and seafood processing
9619	Other labourers in processing, manufacturing and utilities

Descriptions

0 Management occupations

00 Senior management occupations

001 Legislators and senior management

0011 Legislators

Legislators participate in the activities of a federal, provincial, territorial or local government legislative body or executive council, band council or school board as elected or appointed members.

Illustrative example(s)

- cabinet minister
- city councillor
- First Nations band chief
- governor general
- lieutenant-governor
- mayor
- Member of Legislative Assembly (MLA)
- Member of Parliament (MP)
- Member of the National Assembly (MNA)
- Member of the Provincial Parliament (MPP)
- premier
- prime minister
- school board trustee
- senator

Exclusion(s)

- Commissioners - government services (see 0012 Senior government managers and officials)
- Elected or appointed officials of health care institutions, educational institutions, unions and voluntary organizations (see 0014 Senior managers - health, education, social and community services and membership organizations)

Main duties

Legislators perform some or all of the following duties:

- Enact, amend or repeal laws and regulations
- Participate in developing or amending government policies, programs or procedures
- Represent their government at local, national and international meetings and conferences
- Respond to matters of concern to constituents or the general public
- May serve as minister responsible for a government department or agency and direct senior government managers and officials in the implementation of government policy and the management of that department or agency.

Employment requirements

- Election to a legislative body, or appointment to positions such as senator, lieutenant-governor or governor general, is required.

0012 Senior government managers and officials

Senior government managers and officials plan, organize, direct, control and evaluate, through middle managers, the major activities of municipal or regional governments or of provincial, territorial or federal departments, boards, agencies or commissions. They establish the direction to be taken by these organizations in accordance with legislation and policies made by elected representatives or legislative bodies.

Illustrative example(s)

- assistant deputy minister
- chairperson, Human Rights Commission
- chief administrative officer - regional municipality
- chief statistician - government services
- city administrator
- deputy minister
- director general - government services
- executive director - government services
- high commissioner

Exclusion(s)

- Legislators (0011)
- Middle managers in government (see 041 Managers in public administration)

Main duties

Senior government managers and officials perform some or all of the following duties:

- Establish objectives for the organization in accordance with government legislation and policy, formulate or approve and evaluate programs and procedures alone or in conjunction with senior government committees
- Advise elected representatives on policy questions and refer major policy matters to these representatives for final decision
- Recommend, review, evaluate and approve documents, briefs and reports submitted by middle managers and senior staff members
- Ensure appropriate systems and procedures are developed and implemented to provide budgetary control
- Co-ordinate department activities with other senior government managers and officials
- Make presentations to legislative and other government committees regarding policies, programs or budgets.

Employment requirements

- A university degree or college diploma is usually required.
- A graduate degree in a related field may be required.
- Several years of managerial experience in the public or private sector are required.

Additional information

- There is mobility among senior management occupations.

0013 Senior managers - financial, communications and other business services

Senior managers in this unit group are usually appointed by a board of directors, to which they report. They work either alone or in conjunction with the board of directors to develop and establish objectives for the company, and to develop or approve policies and programs. They plan, organize, direct, control and evaluate, through middle managers, the operations of their organization in relation to established objectives. They work in establishments throughout the telecommunications, finance, insurance, real estate, and data processing, hosting and related services industries as well as other business service industries.

Illustrative example(s)

- bank president
- chief executive officer (CEO) - telephone company
- chief financial officer (CFO) - advertising agency
- chief operating officer - engineering firm
- executive director, credit union
- executive vice-president, real estate agency
- general manager, real estate management company
- president and chief executive officer - financial, communications and other business services
- president, advertising agency

-
- president, computing service company
 - regional vice-president, trust company
 - vice-president, human resources - bank
 - vice-president, marketing - clerical staff services
 - vice-president, operations - satellite communication services

Exclusion(s)

Related middle managers are classified in the following minor groups:

- Managers in communication (except broadcasting) (013)
- Managers in engineering, architecture, science and information systems (021)
- Managers in financial and business services (012)

Main duties

Senior managers in this unit group perform some or all of the following duties:

- Determine the company's mission and strategic direction as conveyed through policies and concrete objectives which are met through the effective management of human, financial and material resources
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall human resources planning
- Select middle managers, directors or other executive staff; delegate the necessary authority to them and create optimum working conditions
- Represent the organization, or delegate representatives to act on behalf of the organization, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in a particular service area.

Employment requirements

- A university degree in business administration, commerce, computer science or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in financial, communications or other business services are usually required.
- Specialization in a particular functional area or service is possible through specific university training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

Additional information

- There is mobility among senior management occupations.

0014 Senior managers - health, education, social and community services and membership organizations

Senior managers in this unit group plan, organize, direct, control and evaluate, through middle managers, membership and other organizations or institutions that deliver health, education, social or community services. They formulate policies which establish the direction to be taken by these organizations, either alone or in conjunction with a board of directors. They are employed in health care organizations, educational services, social and community services and membership organizations.

Illustrative example(s)

- chairperson, arts and culture association
- chairperson, scientific association
- chief financial officer (CFO), educational institution
- corporate controller, social services institution
- executive director, automobile association
- executive director, health services institution

- executive director, professional association
- executive director, voluntary organization
- general manager, membership organization
- president, business association
- president, labour organization
- president, music guild

Exclusion(s)

Related middle managers are classified in the following unit groups:

- Administrators - post-secondary education and vocational training (0421)
- Government managers - education policy development and program administration (0413)
- Government managers - health and social policy development and program administration (0411)
- Managers in health care (0311)
- Managers in social, community and correctional services (0423)
- Other managers in public administration (0414)
- School principals and administrators of elementary and secondary education (0422)

Main duties

Senior managers in this unit group perform some or all of the following duties:

- Establish objectives for the organization or institution and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Co-ordinate the work of regions, divisions or departments
- Represent the organization, or delegate representatives to act on behalf of the organization, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing, human resources or in a particular service area.

Employment requirements

- A university degree or college diploma in business administration, hospital administration, finance or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in a related institution or organization are usually required.
- Specialization in a particular functional area or service is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

Additional information

- There is mobility among senior management occupations.

0015 Senior managers - trade, broadcasting and other services, n.e.c.

Senior managers in this unit group plan, organize, direct, control and evaluate, through middle managers, trade, broadcasting and other service companies not elsewhere classified. They formulate policies which establish the direction to be taken by these companies, either alone or in conjunction with a board of directors. They work in establishments in broadcasting and related media services, wholesale trade, retail trade, accommodation and food service, and other services not elsewhere classified.

Illustrative example(s)

- chief executive officer (CEO), travel agency
- chief financial officer (CFO), professional sports club
- corporate controller, restaurant chain

- general manager, cleaning service
- president, department store
- regional vice-president, hotel chain
- vice-president, engineering - television broadcasting services
- vice-president, finance - food wholesaling
- vice-president, marketing - grocery store chain
- vice-president, operations - radio broadcasting services

Exclusion(s)

Related middle managers are classified in the following unit and minor groups:

- Managers in art, culture, recreation and sport (051)
- Managers in customer and personal services, n.e.c. (0651)
- Managers in food service and accommodation (063)
- Retail and wholesale trade managers (062)

Main duties

Senior managers in this unit group perform some or all of the following duties:

- Establish objectives for the company and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement organizational policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Co-ordinate the work of regions, divisions or departments
- Represent the company, or delegate representatives to act on behalf of the company, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in the sale of a particular product or provision of a particular service.

Employment requirements

- A university degree or college diploma in business administration, finance or other discipline related to the service provided is usually required.
- Several years of experience as a middle manager in trade, broadcasting or other service are usually required.
- Specialization in a particular functional area or service is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

Additional information

- There is mobility among senior management occupations.

0016 Senior managers - construction, transportation, production and utilities

Senior managers in this unit group plan, organize, direct, control and evaluate, through middle managers, the overall operations of goods production, utility, transportation and construction companies. They formulate policies which establish the direction to be taken by these companies, either alone or in conjunction with other members of a board of directors. They work in establishments throughout the following industries: fishing, forestry, logging and agriculture; mining, oil and gas extraction; construction; transportation and warehousing; printing; manufacturing; and utilities.

Illustrative example(s)

- chief executive officer (CEO) - manufacturing company
- chief financial officer (CFO) - urban transit system
- corporate controller, logging company
- executive vice-president - railway

- general manager, trucking company
- president, residential construction company
- publishing house general manager
- regional vice-president, petroleum production company
- vice-president, finance - mining company
- vice-president, marketing - airline
- vice-president, operations - electric power company
- vice-president, sales - pulp and paper manufacturing

Exclusion(s)

Related middle managers are classified in the following unit and minor groups:

- Managers in construction and facility operation and maintenance (071)
- Managers in manufacturing and utilities (091)
- Managers in natural resources production and fishing (0811)

Main duties

Senior managers in this unit group perform some or all of the following duties:

- Establish objectives for the company and formulate or approve policies and programs
- Authorize and organize the establishment of major departments and associated senior staff positions
- Allocate material, human and financial resources to implement company policies and programs; establish financial and administrative controls; formulate and approve promotional campaigns; and approve overall personnel planning
- Select middle managers, directors or other executive staff
- Co-ordinate the work of regions, divisions or departments
- Represent the company, or delegate representatives to act on behalf of the company, in negotiations or other official functions.

Senior managers in this unit group may specialize in areas such as finance, marketing or human resources or in a particular product area.

Employment requirements

- A university degree or college diploma in engineering, business administration, commerce or other discipline related to the company's product is usually required.
- Several years of experience as a middle manager in goods production, utilities, transportation or construction are usually required.
- Specialization in a particular functional area or product is possible through specific university or college training in that area or through previous experience.
- Senior managers in finance usually require a professional accounting designation.

Additional information

- There is mobility among senior management occupations.

01-05 Specialized middle management occupations

011 Administrative services managers

0111 Financial managers

Financial managers plan, organize, direct, control and evaluate the operation of financial and accounting departments. They develop and implement the financial policies and systems of establishments. Financial managers establish performance standards and prepare various financial reports for senior management. They are employed in financial and accounting departments in companies throughout the private sector and in government.

Illustrative example(s)

- controller - financial services
- director - financial services

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- director of accounting
 - finance director
 - financial administrator
 - manager, financial control
 - manager, financial planning and analysis
 - manager, internal audit services
 - treasurer

Exclusion(s)

- Banking, credit and other investment managers (0122)
- Managers of accounting and auditing firms (see 0125 Other business services managers)
- Senior managers - financial, communications and other business services (0013)

Main duties

Financial managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operation of an accounting, audit or other financial department
- Develop and implement the financial policies, systems and procedures of an establishment
- Prepare or co-ordinate the preparation of financial statements, summaries, and other cost-benefit analyses and financial management reports
- Co-ordinate the financial planning and budget process, and analyze and correct estimates
- Supervise the development and implementation of financial simulation models
- Evaluate financial reporting systems, accounting procedures and investment activities and make recommendations for changes to procedures, operating systems, budgets and other financial control functions to senior managers and other department or regional managers
- Recruit, organize, train and manage staff
- Act as liaison between the organization and its shareholders, the investing public and external financial analysts
- Establish profitability standards for investment activities and handle mergers and/or acquisitions
- Notify and report to senior management concerning any trends that are critical to the organization's financial performance.

Employment requirements

- A bachelor's degree in business administration, economics, commerce or a related field is required.
- A master's degree in business administration (concentration in finance), or another master's level management program may be required.
- Several years of experience in accounting, auditing, budgeting, financial planning and analysis or other financial activities are required.
- Accounting and audit managers may require a recognized accounting designation (CA, CMA or CGA).

Additional information

- Progression to senior management positions, such as vice-president of finance, is possible with experience.

0112 Human resources managers

Human resources managers plan, organize, direct, control and evaluate the operations of human resources and personnel departments, and develop and implement policies, programs and procedures regarding human resource planning, recruitment, collective bargaining, training and development, occupation classification and pay and benefit administration. They represent management and participate actively on various joint committees to maintain ongoing relations between management and employees. Human resources managers are employed throughout the private and public sectors.

Illustrative example(s)

- administrator, human resources
- manager, employer-employee relations

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- manager, employment equity - human resources
 - manager, human resources
 - manager, industrial relations
 - manager, occupational health and safety
 - manager, pay and benefits
 - manager, personnel
 - manager, personnel services
 - manager, personnel training and development
 - manager, recruiting
 - manager, staff relations

Exclusion(s)

- Human resources and recruitment officers (1223)
- Human resources professionals (1121)

Main duties

Human resources managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of human resources or personnel departments
- Plan human resource requirements in conjunction with other departmental managers
- Co-ordinate internal and external training and recruitment activities
- Develop and implement labour relations policies and procedures and negotiate collective agreements
- Administer employee development, language training and health and safety programs
- Advise and assist other departmental managers on interpretation and administration of personnel policies and programs
- Oversee the classification and rating of occupations
- Organize and conduct employee information meetings on employment policy, benefits and compensation and participate actively on various joint committees
- Direct the organization's quality management program
- Ensure compliance with legislation such as the Pay Equity Act.

Employment requirements

- A bachelor's degree in a field related to personnel management, such as business administration, industrial relations, commerce or psychology
or
Completion of a professional development program in personnel administration is required.
- Several years of experience as a personnel officer or human resource specialist are required.

Additional information

- Progression to senior management positions is possible with experience.
- Other joint committees led by human resources managers may focus on issues such as alcohol or drug addiction.

0113 Purchasing managers

Purchasing managers plan, organize, direct, control and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

Illustrative example(s)

- contract manager
- food purchasing manager
- manager, purchasing contracts
- material manager
- procurement director
- purchasing director
- supply chain logistics manager

Exclusion(s)

- Purchasing agents and officers (1225)
- Retail and wholesale buyers (6222)
- Warehouse managers (see 0714 Facility operation and maintenance managers)

Main duties

Purchasing managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the purchasing activities of an establishment
- Develop purchasing policies and procedures and control purchasing department budget
- Identify vendors of materials, equipment or supplies
- Evaluate cost and quality of goods or services
- Negotiate or oversee the negotiation of purchase contracts
- Participate in the development of specifications for equipment, products or substitute materials
- Review and process claims against suppliers
- Interview, hire and oversee training of staff.

Employment requirements

- A bachelor's degree or college diploma in business administration, commerce or economics is usually required.
- Purchasing managers responsible for units purchasing specialized materials or business services may require a related degree or diploma. For example, a bachelor's degree or college diploma in engineering may be required for purchasing managers responsible for purchasing industrial products.
- The designation Supply Chain Management Professional (S.C.M.P.) or registration in the educational program of the Purchasing Management Association of Canada may be required.
- Several years of experience as a purchasing agent or officer are required.

0114 Other administrative services managers

This unit group includes managers who plan, organize, direct, control and evaluate departments responsible for corporate governance and regulatory compliance, records management, security services, admissions and other administrative services not elsewhere classified. Also included in this unit group are managers responsible for departments involved in two or more of the following activities: finance, human resources, purchasing, computer systems or administrative services. Managers in this unit group are employed throughout the public and private sector.

Illustrative example(s)

- business manager - non-profit organization
- chief, administrative services
- inventory control manager
- manager, administrative services
- manager, security
- manager, support services
- records administrator
- regional administrative manager

Exclusion(s)

- Computer and information systems managers (0213)
- Facility operation and maintenance managers (0714)
- Financial managers (0111)
- Human resources managers (0112)
- Purchasing managers (0113)

Main duties

Managers in this unit group perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a department providing a single administrative service or several administrative services

- Direct and advise staff engaged in providing records management, security, finance, purchasing, human resources or other administrative services
- Direct and control corporate governance and regulatory compliance procedures within establishment
- Plan, administer and control budgets for contracts, equipment and supplies
- Prepare reports and briefs for management committees evaluating administrative services
- Interview, hire and oversee training for staff.

Employment requirements

- A bachelor's degree or college diploma in business administration or a related administrative services field is usually required.
- Several years of experience at a professional level in business administration, finance or administrative services are usually required.
- An Associate of the Institute of the Chartered Secretaries and Administrators (ACIS), Fellow of the Institute of Chartered Secretaries and Administrators (FCIS) or a Professional Administrator (P Adm) designation may be required for some occupations in this group.
- Certification in health information management by the Canadian Health Information Management Association (CHIMA) may be required.
- In Quebec, certification with the Association québécoise des archivistes médicales may be required.

012 Managers in financial and business services

0121 Insurance, real estate and financial brokerage managers

Insurance, real estate and financial brokerage managers plan, organize, direct, control and evaluate the activities of departments or establishments that provide insurance, mortgage, real estate and investment services. They are generally responsible for business development and must ensure that their group reaches performance levels related to established objectives. They are employed by insurance companies, real estate firms, stockbrokers, investment dealers, mortgage brokers and security and commodity exchanges.

Illustrative example(s)

- bond sales manager
- brokerage manager - investments
- commodities trading manager
- financial brokerage manager
- insurance claims service manager
- insurance manager
- investment manager - financial brokerage
- mortgage broker manager
- real estate service manager
- securities sales director
- trading floor manager

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Banking, credit and other investment managers (0122)
- Financial managers (0111)
- Other business services managers (0125)
- Senior managers - financial, communications and other business services (0013)

Main duties

Insurance, real estate and financial brokerage managers perform some or all of the following duties:

- Insurance managers plan, organize, direct, control and evaluate the operations of an establishment or department that provides automobile, fire, life, property or other types of insurance services.
- Real estate service managers plan, organize, direct, control and evaluate the operations of an establishment or department that buys, sells and leases residential and commercial property for clients.

- Mortgage broker managers plan, organize, direct, control and evaluate the operations of an establishment or department that finds lenders or lending institutions on behalf of clients seeking a mortgage.
- Securities managers plan, organize, direct, control and evaluate the operation of an establishment or department that buys and sells stocks, bonds and other forms of investments on behalf of individual or institutional clients; manage the investments of their own clients.

Employment requirements

- A university degree or college diploma in business administration, economics or other related field is usually required.
- Several years of experience within the appropriate industry are usually required.
- Licensure appropriate to the service sold, such as real estate, mortgage, securities or insurance, may be required.
- In the insurance industry, a recognized professional designation is usually required.

Additional information

- There is no mobility between the different types of managers in this unit group.
- Progression to senior management positions is possible with experience.

0122 Banking, credit and other investment managers

Banking, credit and other investment managers plan, organize, direct, control and evaluate the activities of financial establishments or operational departments within such establishments, or credit departments in industrial and commercial establishments. They oversee business development and manage overall performance in accordance with established strategic directions and policies. Banking managers are employed by banks, trust companies and credit unions. Credit managers are employed by credit departments in department stores, utility companies, car dealerships, insurance companies or other industrial or commercial organizations. Other investment managers are employed by credit card companies, consumer loan companies, mutual fund investment firms, mortgage investment companies or other financial establishments concerned with extending loans and financing and investments.

Illustrative example(s)

- assistant operations manager - banking, credit and investment
- bank manager
- collection centre manager
- commercial banking manager
- corporate banking centre manager
- credit manager
- credit union manager
- manager, banking operations
- manager, corporate services - banking, credit and investment
- manager, credit card centre
- manager, personal services - banking, credit and investment
- mortgage and consumer credit manager
- operations manager, credit card company
- regional collection manager
- trust company manager

Exclusion(s)

- Mortgage brokerage managers (see 0121 Insurance, real estate and financial brokerage managers)
- Other business services managers (0125)
- Senior managers - financial, communications and other business services (0013)

Main duties

Banking managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the branch operations of a bank, trust company, credit union or similar financial institution or of a department in such an institution responsible for administering personal and commercial loans, buying and selling securities, operating investment funds, administering trusts, settling estates or other related activities
- Ensure the institution's policies and procedures are followed according to established guidelines and make recommendations for improvement
- Network to develop business relations, promote the sale of loan, investment and other banking services and attract corporate and individual customers
- Interview corporate and individual customers and respond to customer enquiries
- Analyze, review and approve or reject loan and credit applications in accordance with authorized limits
- Monitor processing of loan applications and credit investigations
- Oversee preparation of monthly financial and branch progress reports
- Recruit personnel and identify their training needs.

Credit managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a credit department in an industrial or commercial organization
- Administer corporate, commercial and personal loan accounts
- Advise customers on the commercial and personal financial services corresponding to their needs
- Evaluate and review loan and credit applications and collateral and make recommendations
- Approve or reject credit applications, establish credit limits and determine repayment plans or schedules in accordance with authorized limits
- Ensure collection of overdue or delinquent accounts
- Ensure credit policies and procedures are followed according to established guidelines and applicable legislation
- Prepare credit and loan reports
- Recruit credit personnel and identify their training needs.

Employment requirements

- A university degree or college diploma in business administration, commerce, economics or a related field is usually required.
- A master's degree in business administration, finance or management science may be required for the management of large commercial loans.
- Completion of company or other management training programs is usually required.
- Several years of experience within the industry, including supervisory experience, are required.

Additional information

- Progression to senior management positions in this field is possible with experience.

0124 Advertising, marketing and public relations managers

Advertising, marketing and public relations managers plan, organize, direct, control and evaluate the activities of establishments and departments involved in commercial, industrial and e-business advertising, marketing and public relations. They are employed by commercial and industrial establishments, government departments, and advertising, marketing and public relations firms or consulting businesses.

Illustrative example(s)

- advertising director
- advertising manager
- director, communications
- director, media relations
- director, public relations
- fundraising campaign manager
- Internet communications manager
- manager, e-business
- marketing manager
- promotions manager

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- sales and marketing manager
 - Web communications manager
 - Web marketing manager

Exclusion(s)

- Corporate sales managers (0601)
- Professional occupations in advertising, marketing and public relations (1123)
- Retail and wholesale trade managers (0621)
- Retail sales supervisors (6211)
- Senior managers - trade, broadcasting and other services, n.e.c. (0015)
- Supervisors of technical salespersons (see 6221 Technical sales specialists - wholesale trade)
- Wholesale trade representatives supervisors (see 6411 Sales and account representatives - wholesale trade (non-technical))

Main duties

Advertising, marketing, public relations and e-business managers perform some or all of the following duties:

- Advertising managers plan, direct and evaluate the activities of firms and departments that develop and implement advertising campaigns to promote the sales of products and services.
- Marketing managers establish distribution networks for products and services, initiate market research studies and analyze their findings, assist in product development, and direct and evaluate the marketing strategies of establishments.
- Public relations managers direct and evaluate establishments and departments that develop and implement communication strategies and information programs, publicize activities and events, and maintain media relations on behalf of businesses, governments and other organizations.
- E-business managers plan, organize, direct, control and evaluate the design, development and maintenance of Internet and Intranet sites to manage an organization's Internet presence including public relations, communications and commercial activities.

Employment requirements

Advertising and public relations managers

- A university degree or college diploma in communications, public relations, marketing, journalism or in a related field
and
Several years of experience in an advertising, public relations or communications officer position or in a related occupation are required.

Marketing managers

- A university degree or college diploma in business administration or in a related field with a specialization in sales or marketing
and
Several years of experience as a sales, marketing or public relations representative or in a related occupation are required.

E-business managers

- A university degree or college diploma in a field related to electronic commerce, Web site content development, or Internet services
and
Experience in Web site design, interactive media development, data administration or information systems analysis or experience related to Web site content are usually required.

Additional information

- Progression to senior management positions is possible with experience.

0125 Other business services managers

Managers in this unit group plan, organize, direct, control and evaluate the operations of establishments that provide services to business, and ensure the quality of those services and client satisfaction. They work in fields such as management consulting, market research, personnel and payroll services, contact centre services and security services.

Illustrative example(s)

- accounting firm manager
- contact centre manager
- employment agency manager
- energy asset joint venture manager
- legal firm manager
- manager, management consulting service
- manager, market research service
- manager, nursing registry
- payroll service manager
- personnel agency manager
- professional services manager - business services
- security service manager

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Architecture and science managers (0212)
- Banking, credit and other investment managers (0122)
- Computer and information systems managers (0213)
- Engineering managers (0211)
- Insurance, real estate and financial brokerage managers (0121)
- Senior managers - financial, communications and other business services (0013)

Main duties

Managers in this unit group perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of establishments that provide services to business such as management consulting, market research, personnel and payroll services, contact centre services and security services
- Plan, develop and organize the policies and procedures of these establishments
- Develop action plans, provide expertise in response to client needs, and support and advise project teams
- Direct and advise staff in the development and implementation of service quality assessment strategies
- Plan, administer and control budgets for client projects, contracts, equipment and supplies
- Represent the company within various economic and social organizations
- Assist staff with administrative or technical problems
- Hire, train and supervise staff.

Employment requirements

- A bachelor's degree or college diploma in a field related to the business service provided is usually required.
- Several years of experience in a field related to the business service provided are usually required.
- Licences, certificates or registration may be required for some business services managers. For example, accounting firm managers usually require accounting certification.
- University studies in business administration may be required.

013 Managers in communication (except broadcasting)

0131 Telecommunication carriers managers

This unit group includes managers who plan, organize, direct, control and evaluate the operations of a telecommunications establishment, department or facility. They are employed by wired, wireless, satellite and other telecommunications carriers.

Illustrative example(s)

- facilities manager, telecommunications
- installation manager, telecommunications
- manager, telecommunications services
- microwave facilities manager - telecommunications
- network installation manager - telecommunications
- network operations manager - telecommunications
- network services manager - telecommunications
- operations and transmission services manager - telecommunications
- regional manager - telecommunications system
- switching systems director - telecommunications
- telecommunications manager
- telephone company district manager

Exclusion(s)

- Broadcasting managers (see 0512 Managers - publishing, motion pictures, broadcasting and performing arts)
- Senior managers - financial, communications and other business services (0013)

Main duties

Telecommunication carriers managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a telecommunications establishment, department or facility
- Consult with senior managers to establish policies concerned with the development, operation and maintenance of telecommunications services
- Direct and control telecommunications traffic volume and flow within assigned areas, through subordinate supervisors and technical staff
- Analyze and evaluate telecommunications installation, operation and maintenance services and make recommendations for improvement
- Ensure compliance with telecommunications regulations and directives of government regulatory agencies
- Liaise with representatives of related or connecting companies to resolve joint telecommunications problems and ensure efficient telecommunications system operations
- Recruit personnel and oversee their training.

Employment requirements

- A university degree in science, electrical engineering or a related field is usually required.
- Several years of experience in a related technical profession, including supervisory experience, are usually required.

Additional information

- Progression to senior management positions in telecommunications is possible with experience.

0132 Postal and courier services managers

Postal and courier services managers plan, organize, direct, control and evaluate the activities and operations in postal facilities and in establishments that provide courier services. They are employed by Canada Post Corporation and by courier companies.

Illustrative example(s)

- mail processing plant manager
- manager, collection and delivery operations - postal service
- manager, mail operations
- messenger service manager
- parcel processing plant manager
- post office manager
- postal station superintendent
- production control manager - postal service

Exclusion(s)

- Postmasters (see 1214 Supervisors, mail and message distribution occupations)

Main duties

Postal and courier services managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities and operations of postal facilities and courier service companies, or of operational divisions within Canada Post and courier service companies
- Co-ordinate the duties of supervisors and other staff
- Manage the accurate and expedient movement of mail and parcels through postal and parcel sorting facilities
- Review effectiveness of assigned operations and implement changes to postal and courier operations
- Prepare and submit budget estimates and administer the expenditures of postal and courier facilities
- Interview, hire and provide training for staff.

Employment requirements

- A university degree or college diploma is usually required.
- Several years of supervisory or operational experience within a postal or courier facility are usually required.

021 Managers in engineering, architecture, science and information systems

0211 Engineering managers

Engineering managers plan, organize, direct, control and evaluate the activities of an engineering department, service or firm. They are employed by a wide range of private sector and government establishments and by consulting engineering and scientific research companies.

Illustrative example(s)

- director, engineering research and development
- electrical engineering service manager
- engineering department manager
- engineering manager
- manager, telecommunications engineering service
- production engineering manager

Exclusion(s)

- Architecture and science managers (0212)
- Computer and information systems managers (0213)
- Construction managers (0711)
- Engineers and supervisors of engineers (see 21 Professional occupations in natural and applied sciences)
- Managers in transportation (0731)
- Manufacturing managers (0911)
- Utilities managers (0912)

Main duties

Engineering managers perform some or all of the following duties:

-
- Plan, organize, direct, control and evaluate the activities and operations of an engineering department, service or firm
 - Develop and implement policies, standards and procedures for the engineering and technical work performed in the department, service, laboratory or firm
 - Consult and negotiate with clients to prepare specifications, explain proposals and present engineering reports and findings
 - Assign, co-ordinate and review the technical work of the department or project teams
 - Recruit personnel and oversee development and maintenance of staff competence in required areas
 - May participate directly in the design, development and inspection of technical projects or in the engineering work of the department.

Employment requirements

- A bachelor's degree in engineering is usually required.
- Extensive experience in an engineering discipline, including supervisory experience, is required.
- Registration as a Professional Engineer (P. Eng.) by a provincial or territorial association of professional engineers is usually required.

Additional information

- Mobility to other technical managerial positions, or to research or senior management positions is possible with experience.

0212 Architecture and science managers

Architecture and science managers plan, organize, direct, control and evaluate the activities of an architecture, landscape architecture, scientific or statistical department, service or firm. They are employed by a wide range of private sector and government establishments as well as by architectural firms and scientific research companies.

Illustrative example(s)

- architectural manager
- chief actuary
- director of research - forestry
- director of research - manufacturing
- director of research - mining
- director, agricultural chemistry branch
- landscape architecture manager
- manager, life sciences program
- manager, petroleum geology department
- scientific research department manager
- statistical service manager

Exclusion(s)

- Computer and information systems managers (0213)
- Engineering managers (0211)
- Managers in natural resources production and fishing (0811)
- Science professionals and supervisors of science professionals (see 21 Professional occupations in natural and applied sciences)

Main duties

Architecture and science managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities and operations of an architecture, landscape architecture, scientific research and development laboratory or quality control department, service or firm
- Develop and implement policies, standards and procedures for the architectural, scientific and technical work performed in the department, service, laboratory or firm
- Assign, co-ordinate and review the technical work of the department or project teams
- Recruit personnel and oversee development and maintenance of staff competence in required areas

- May participate directly in the design, development and inspection of technical projects or in the theoretical or applied scientific work of the department
- May consult and negotiate with clients to prepare specifications, explain proposals or present architectural or scientific research reports and findings.

Employment requirements

- Architecture managers require a degree in architecture, registration as a professional architect and several years of experience as an architect.
- Landscape architecture managers require a degree in landscape architecture, licensing as a professional landscape architect and several years of experience as a landscape architect.
- Science and other managers in this unit group require a master's or doctoral degree in a scientific discipline and several years of experience in a related scientific discipline.

Additional information

- Progression to senior management positions in the respective fields is possible with experience.

0213 Computer and information systems managers

Computer and information systems managers plan, organize, direct, control and evaluate the activities of organizations that analyze, design, develop, implement, operate and administer computer and telecommunications software, networks and information systems. They are employed throughout the public and private sectors.

Illustrative example(s)

- computer systems manager
- data centre manager
- data processing director
- EDP (electronic data processing) manager
- information systems manager
- manager, data processing and systems analysis
- manager, management information system (MIS)
- manager, software engineering
- software development manager
- systems development manager

Exclusion(s)

- Computer and information systems supervisors (see 217 Computer and information systems professionals)
- Computer engineers (except software engineers and designers) (2147)
- Computer programmers and interactive media developers (2174)
- Computer services company presidents (see 0013 Senior managers - financial, communications and other business services)
- Database analysts and data administrators (2172)
- Information systems analysts and consultants (2171)
- LAN managers (see 2281 Computer network technicians)
- Software engineers and designers (2173)

Main duties

Computer and information systems managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of information systems and electronic data processing (EDP) departments and companies
- Develop and implement policies and procedures for electronic data processing and computer systems development and operations
- Meet with clients to discuss system requirements, specifications, costs and timelines
- Assemble and manage teams of information systems personnel to design, develop, implement, operate and administer computer and telecommunications software, networks and information systems
- Control the budget and expenditures of the department, company or project

-
- Recruit and supervise computer analysts, engineers, programmers, technicians and other personnel and oversee their professional development and training.

Employment requirements

- A bachelor's or master's degree in computer science, business administration, commerce or engineering is usually required.
- Several years of experience in systems analysis, data administration, software engineering, network design or computer programming, including supervisory experience, are required.

031 Managers in health care

0311 Managers in health care

This unit group includes managers who plan, organize, direct, control and evaluate the delivery of health care services, such as diagnosis and treatment, nursing and therapy, within institutions, and in other settings, that provide health care services. They are employed in hospitals, medical clinics, nursing homes and other health care organizations.

Illustrative example(s)

- chief of anesthesia
- chief of emergency medicine
- chief of medical staff
- director of clinical medicine
- director of dietetics
- director of laboratory medicine
- director of nursing - medical services
- director of occupational therapy
- director of physiotherapy
- director of surgery
- director, rehabilitation services
- home care services director - medical services
- medical clinic director
- mental health residential care program manager

Exclusion(s)

- Government managers - health and social policy development and program administration (0411)
- Senior managers - health, education, social and community services and membership organizations (0014)

Main duties

Managers in health care perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the delivery of health care services within a department of a health care institution, or in other settings where health care services are provided
- Consult with boards of directors and senior managers to maintain and establish standards for the provision of health care services
- Develop evaluation systems to monitor the quality of health care given to patients
- Monitor the use of diagnostic services, in-patient beds and facilities to ensure effective use of resources
- Develop and implement plans for new programs, special projects, new material and equipment acquisitions and future staffing levels in their department or establishment
- Plan and control departmental or establishment budget
- Represent the department or establishment at meetings with government officials, the public, the media and other organizations
- Supervise health care supervisors and professionals
- Recruit health care staff of the department or establishment.

Managers in health care specialize in administering the provision of specific health care services such as dietetics, clinical medicine, laboratory medicine, nursing, physiotherapy or surgery.

Employment requirements

- Administrators of departments such as surgery, clinical medicine or laboratory medicine are usually required to have the education and training of a specialist physician.
- Administrators of other departments, such as nursing, dietetics or physiotherapy, are usually required to have the education and training of the medical professionals in that department.
- Several years of experience in the relevant profession, including supervisory experience, are usually required.
- Certification in the relevant profession is required.

Additional information

- There is little or no mobility between departments in different medical specializations.
- Progression to senior management positions in health care services is possible with experience.

041 Managers in public administration**0411 Government managers - health and social policy development and program administration**

Government managers in this unit group plan, organize, direct, control and evaluate the development and administration of health care policies, social policies and related programs designed to protect and promote the health and social welfare of individuals and communities. These managers are employed by government departments and agencies.

Illustrative example(s)

- city medical officer of health - government services
- director, health information and promotion - government services
- director, immigration and settlement - government services
- health program operations manager - government services
- housing policy and development director - government services
- social services director - government services
- social services planning manager - government services

Exclusion(s)

- Government managers - economic analysis, policy development and program administration (0412)
- Government managers - education policy development and program administration (0413)
- Managers in health care (0311)
- Managers in social, community and correctional services (0423)
- Other managers in public administration (0414)
- Program managers in government (see 416 Policy and program researchers, consultants and officers)
- Senior government managers and officials (0012)

Main duties

Government managers in health and social policy development and program administration perform some or all of the following duties:

- Participate in the development of health or social policies by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise health or social policy researchers, consultants or program officers who conduct research, prepare documents or administer programs for individuals and communities in areas such as health and social services, employment and immigration, labour or housing
- Plan, administer and control budgets for research and administration, support services and equipment and supplies
- Organize and direct committees and working groups to plan, manage or evaluate health and social services projects and programs
- Interview, hire and provide training for staff.

Employment requirements

Government managers in health policy development and program administration

- A bachelor's degree or college diploma in health science, hospital administration or public administration or a bachelor's degree in social science is required.
- A graduate degree in a health, social science or an administrative discipline may be required.
- Several years of experience as a health or social policy researcher, consultant or program officer are usually required.
- For some government managers in health policy development and program administration, certification in the relevant health profession is required. For example, city medical officers of health must be physicians.

Government managers in social policy development and program administration

- A bachelor's degree or a college diploma in a social science discipline, such as sociology or economics, or an administrative discipline, such as public administration, is required.
- A graduate degree in a social science or an administrative discipline may be required.
- Several years of experience as a social policy researcher, consultant or program officer are usually required.

Additional information

- Progression to senior management positions in the health and social policy fields is possible with experience.

0412 Government managers - economic analysis, policy development and program administration

Government managers in this unit group plan, organize, direct, control and evaluate economic policy, research and programs in areas of government activity such as taxation, international trade, labour markets, transportation or agriculture. They also plan and direct policies and programs to promote industrial and commercial business development in urban and rural areas. They are employed in government departments and agencies.

Illustrative example(s)

- border services manager
- business development director - government services
- chief, economic analysis - government services
- customs manager - government services
- director, economic policy analysis - government services
- director, excise tax programs - government services
- director, farm products marketing - government services
- economic development director - government services
- energy market analysis director - government services
- forest resource analysis chief - government services
- international trade policy manager - government services
- manager, grain market analysis - government services
- revenue programs manager - government services
- tax policy research manager - government services
- taxation manager
- tourism development manager - government services
- trade development director

Exclusion(s)

- Business development officers and marketing researchers and consultants (4163)
- Economists and economic policy researchers and analysts (4162)
- Financial managers (0111)
- Government managers - health and social policy development and program administration (0411)
- Labour policy analysts (see 4164 Social policy researchers, consultants and program officers)
- Program managers in government (see 416 Policy and program researchers, consultants and officers)
- Senior government managers and officials (0012)

Main duties

Government managers in economic analysis and program administration perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the development of economic policy research projects and economic programs
- Participate in the development of departmental policies by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise economists and other professional staff who conduct economic research, prepare reports or administer programs in areas of government activity such as taxation, international trade, labour, transportation or agriculture
- Direct and advise economic development officers or other staff administering programs to promote industrial and commercial business investment in urban or rural areas
- Plan, administer and control research and administration budgets for projects, support services, equipment or supplies
- Organize and direct committees evaluating departmental or agency projects or programs
- Interview, hire and oversee training and professional development.

Employment requirements

- A bachelor's degree in economics, business administration, commerce or public administration is required.
- A master's degree in economics or a related field may be required.
- Several years of experience as an economist, economic development officer or socio-economic researcher are required.

Additional information

- Progression to senior management positions is possible with experience.

0413 Government managers - education policy development and program administration

Government managers in this unit group plan, organize, direct, control and evaluate the development and administration of elementary, secondary and post-secondary education policies and programs. They are employed by government departments and agencies.

Illustrative example(s)

- director, education curriculum development
- director, education policy analysis and research
- education director
- manager, education program administration
- school inspection director - public administration

Exclusion(s)

- Administrators - post-secondary education and vocational training (0421)
- Government managers - health and social policy development and program administration (0411)
- Program managers in government (see 416 Policy and program researchers, consultants and officers)
- School principals and administrators of elementary and secondary education (0422)
- Senior government managers and officials (0012)

Main duties

Government managers in this unit group perform some or all of the following duties:

- Participate in the development of education policy by providing advice to senior government managers
- Organize departmental unit and establish procedures to meet departmental objectives set by senior management
- Direct and advise policy researchers or program officers conducting research, preparing documents or administering educational programs for elementary and secondary school systems
- Plan, administer and control budgets for projects, programs, support services, equipment and supplies

- Organize and direct committees and working groups to plan, manage or evaluate education projects and programs
- Interview, hire and provide training for staff.

Employment requirements

- A bachelor's degree in education is required.
- A master's degree in a particular educational specialization may be required.
- Several years of combined experience as a school teacher and as a government educational policy researcher, consultant or program officer are usually required.
- A provincial teaching certificate is usually required.

Additional information

- Progression to senior management positions in education is possible with experience.

0414 Other managers in public administration

Managers in this unit group plan, organize, direct, control and evaluate the development of policies and programs which govern the daily operations of legislatures and other activities unique to government such as intergovernmental affairs and elections. They are employed by government departments, agencies and legislative bodies.

Illustrative example(s)

- clerk of the committee, Legislative Assembly
- director, elections planning
- director, federal-provincial relations
- director, intergovernmental affairs

Exclusion(s)

- Administrative services managers (011)
- Government managers - economic analysis, policy development and program administration (0412)
- Government managers - education policy development and program administration (0413)
- Government managers - health and social policy development and program administration (0411)
- Program managers in government (see 416 Policy and program researchers, consultants and officers)
- Senior government managers and officials (0012)

Main duties

Managers in this unit group perform some or all of the following duties:

- Participate in the development of policies and programs by providing advice to senior government managers of legislatures or departments or agencies involved in activities unique to government
- Organize government unit or agency and establish procedures to meet objectives set by senior management
- Direct and advise professional and non-professional staff conducting research, preparing documents or providing administrative support
- Plan, administer and control research and administration budgets for projects, programs, equipment and supplies
- Organize and direct committees and working groups to plan, manage or evaluate projects and programs
- Interview, hire and provide training for staff.

Employment requirements

- A bachelor's degree in a social science discipline, law or business administration is required.
- Several years of experience in government policy development, research or program administration, or in a professional occupation in social science, law or business administration are usually required.

Additional information

- Progression to senior management positions in this field is possible with experience.

042 Managers in education and social and community services

0421 Administrators - post-secondary education and vocational training

This unit group includes faculty administrators and registrars of colleges or universities and administrators of vocational training schools. Faculty administrators manage the academic and related activities of faculties of colleges or universities. Registrars manage registration activities and academic records systems of colleges or universities. Administrators of vocational training schools manage the operations of vocational schools specializing in trades, technology, business or other vocational subjects.

Illustrative example(s)

- community college dean
- dean - university or college
- dean of adult education
- dean, faculty of science
- dean, school of nursing
- dean, school of technology
- manager, aviation school
- manager, business school
- manager, trade school
- registrar, community college
- student activities dean
- university registrar

Exclusion(s)

- Administrators of non-vocational training schools, such as driving schools (see 0651 Managers in customer and personal services, n.e.c.)
- College and other vocational instructors (4021)
- College rectors (see 0014 Senior managers - health, education, social and community services and membership organizations)
- School principals and administrators of elementary and secondary education (0422)
- University presidents (see 0014 Senior managers - health, education, social and community services and membership organizations)
- University professors and lecturers (4011)

Main duties

Faculty administrators perform some or all of the following duties:

- Plan, organize, direct, control and evaluate academic and related activities of a college or university faculty
- Recommend and approve faculty appointments
- Recommend curriculum revisions and additions and approve scheduling of courses
- Direct, through subordinate staff, activities such as research and curriculum development
- Plan, administer and control budgets for projects, programs, support services and equipment
- Advise president or rector of university or college
- Participate in activities of various faculty and college committees.

Registrars perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the registration activities and academic records system of a college or university
- Review registration statistics and consult with faculty officials to develop registration policies
- Direct activities of staff and others engaged in compiling information on courses, schedules and requirements for admission and graduation.

Administrators of vocational training schools perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a private college or institute specializing in trades, technology or business
- Develop curriculum for training programs
- Consult with government regulatory and licensing agencies to ensure conformance to provincial standards

- Plan, administer and control budgets for projects, programs, support services and equipment
- May recruit and hire teachers and other staff
- May teach.

Employment requirements

- Faculty administrators require a graduate degree in a field related to the academic faculty and
Several years of experience as a university professor or college teacher.
- Registrars require an undergraduate degree in business administration or a related field and
Several years of experience in registration administration.
- Administrators of vocational training schools usually require an undergraduate degree in business administration
or
Expertise and certification in a subject of instruction.

Additional information

- There is no mobility among the various types of administrators in this group.
- Progression to some senior management positions in education is possible with experience.

0422 School principals and administrators of elementary and secondary education

School principals plan, organize, direct, control and evaluate the activities of teachers and other staff of an elementary or secondary school. They are employed by public and private schools. Administrators of elementary and secondary education plan, organize, direct, control and evaluate the academic affairs of a school system. They are employed by school boards.

Illustrative example(s)

- administrator, board of education
- chief superintendent - schools
- director of education, correctional institution
- director of school for the hearing impaired
- district school superintendent
- headmaster/mistress, private school
- school principal
- secondary school principal
- superintendent of elementary education
- superintendent of secondary schools
- superintendent of special education
- vice-principal, school

Exclusion(s)

- Administrators - post-secondary education and vocational training (0421)
- Education policy researchers, consultants and program officers (4166)
- Government managers - education policy development and program administration (0413)
- Senior managers - health, education, social and community services and membership organizations (0014)

Main duties

School principals perform some or all of the following duties:

- Plan, organize, direct, control and evaluate, through department heads or supervisors, the activities of teachers and support staff
- Review programs to ensure conformance to school board or provincial standards and develop programs within limits of authority
- Co-ordinate teaching activities of the institution by making personnel assignments, determining class size and preparing timetables

- Organize and maintain procedures for the keeping of records
- Prepare and administer institution or program budget
- Direct and co-ordinate school maintenance services and the use of school facilities
- May recruit and hire teachers and other staff
- May teach.

Administrators of elementary and secondary education perform some or all of the following duties:

- Plan, organize, direct, control and evaluate, through school principals, the academic affairs of a school district
- Evaluate curriculum, teaching methods and community participation in programs for a school district and revise programs as required
- Develop and administer programs for the education and training of students and adults
- Make recommendations concerning the annual operating budget of a school district
- Direct or supervise the recruitment, appointment, training, evaluation and promotion of teaching personnel.

Employment requirements

- A bachelor's degree in education is required.
- A master's degree in education may be required.
- Several years of experience as a senior teacher or department head are required.
- A teacher's certificate for the province of employment is required.
- School principals may require a principal's certificate.
- Administrators of elementary and secondary education may require a supervisory officer certificate.

Additional information

- There is little mobility between institutional settings, for example, between elementary and secondary schools.

0423 Managers in social, community and correctional services

This unit group includes managers who plan, organize, direct, control and evaluate the programs and activities of social service and community agencies, correctional institutions, counselling departments, labour organizations, professional associations, political parties and non-governmental organizations.

Illustrative example(s)

- administrator, child welfare services
- area manager, family services
- association director
- children's aid society director
- correctional institution director
- detention centre director
- director, community centre
- director, correctional treatment and training
- environmental group director
- income maintenance director
- labour organization manager
- membership services manager
- political organization manager
- prison warden
- regional administrator, social services
- social assistance director
- social work director
- trade association manager
- volunteer services director

Exclusion(s)

- Government managers - health and social policy development and program administration (0411)

-
- Senior managers - health, education, social and community services and membership organizations (0014)

Main duties

Managers in this unit group perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the delivery of social and community service programs such as income maintenance, children's aid and emergency housing services
- Manage the operations and activities of social and community centres, correctional facilities and detention centres
- Administer the programs of non-governmental organizations involved with social issues such as health care, human rights, consumer protection, international development and environmental protection
- Administer programs of membership organizations such as political parties, labour organizations, business and professional associations
- Establish administrative procedures to meet objectives set by board of directors or senior management
- Direct and advise professional and non-professional staff delivering services and programs to the general public and to the organization or association membership
- Plan, administer and control budgets for programs, equipment and support services
- Represent their respective organizations for the purpose of government liaison and media relations
- Participate in policy development by preparing reports and briefs for management committees and working groups
- Hire and provide training for professional and non-professional staff.

Employment requirements

- Managers in social, community and correctional services usually require a master's degree in a social science or administrative discipline and
Several years of experience in a related occupation, such as a community and social service worker, social or health policy researcher, consultant or program officer, probation or parole officer, or social worker.
- Managers of associations and membership organizations require extensive experience in a related occupation, trade or industry.

Additional information

- Progression to senior management positions in social, community and correctional services is possible with additional training and experience.

043 Managers in public protection services

0431 Commissioned police officers

Commissioned police officers plan, organize, direct, control and evaluate police force administration and police activities such as maintaining law and order and detecting and preventing crime. They are employed by municipal, provincial and federal governments. This unit group includes officers from the rank of staff sergeant to police commissioner. Commissioned officers in the railway police are also included in this unit group.

Illustrative example(s)

- chief superintendent
- deputy police chief
- harbour police chief
- police chief
- police lieutenant
- police superintendent
- railway police chief
- RCMP (Royal Canadian Mounted Police) commissioner
- staff inspector

Exclusion(s)

- By-law enforcement and other regulatory officers, n.e.c. (4423)
- Police officers (except commissioned) (4311)
- Sheriffs and bailiffs (4421)

Main duties

Commissioned police officers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a police force or division of a police force
- Develop and implement police force policies and procedures
- Oversee police investigations and ensure that procedures are conducted in accordance with laws and regulations
- Assess performance of subordinates and authorize promotions, transfers and disciplinary actions.

Employment requirements

- Completion of secondary school is required.
- A university degree in the social sciences or in business administration may be required.
- Several years of experience as a police officer are required.

0432 Fire chiefs and senior firefighting officers

Fire chiefs and senior firefighting officers plan, organize, direct, control and evaluate firefighting operations and fire prevention activities in fire departments. Fire chiefs and senior firefighting officers are employed by municipal and federal governments and by industrial establishments with firefighting services.

Illustrative example(s)

- deputy fire chief
- district fire chief
- fire chief

Exclusion(s)

- Firefighters (4312)

Main duties

Fire chiefs and senior firefighting officers perform some or all of the following duties:

- Develop, implement and evaluate policies and procedures for the operation of a municipal fire department, a district fire region or an industrial firefighting service
- Plan, direct and co-ordinate firefighting strategies for fire departments
- Evaluate the type of fire, the extent of damage to buildings and the danger to nearby establishments
- Direct activities at the scene of a fire
- Determine damage estimates and investigate the potential causes of a fire after extinguished
- Develop and oversee the implementation of security and fire prevention campaigns
- Represent the fire department in communications with government, the media and the public
- Direct the training of personnel in firefighting methods
- Co-ordinate and monitor budget and departmental resources.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in fire protection technology, fire science or a related field is usually required.
- Completion of a provincial or municipal firefighters training course is required.
- A minimum of ten years of experience as a firefighter is usually required before becoming eligible for a senior officer position.

0433 Commissioned officers of the Canadian Forces

This unit group consists of commissioned officers of the Canadian Forces who plan, organize, command and evaluate the activities of personnel in the Canadian Forces. All ranks of commissioned officers in the Air Force, Army, and Navy are included in this unit group.

Illustrative example(s)

Air Force and Army ranks

- artillery officer
- brigadier general
- colonel
- major
- officer cadet

Navy ranks

- admiral
- commodore
- lieutenant commander
- naval cadet
- search and rescue captain

Exclusion(s)

- Non-commissioned ranks of the Canadian Forces (4313)

Main duties

Commissioned officers of the Canadian Forces perform some or all of the following duties:

- Plan, organize and command the activities of Canadian Forces combat units such as armour, artillery and infantry battalions
- Develop and implement military procedures and policies based on detailed knowledge of units' capabilities and performance
- Direct subordinates in training and co-ordinate and direct activities of units in accordance with military practices
- Assume responsibility for welfare, morale and discipline of units
- Review and evaluate unit performance, prepare reports and provide briefings for superiors
- May command and lead units engaged in non-combat operations for disaster relief and humanitarian and peacekeeping efforts domestically and internationally.

Employment requirements

- A university degree is usually required.
- Completion of military training is required.
- Experience as a non-commissioned member of the armed forces and demonstrated leadership ability may substitute for a university degree.
- Senior ranks, such as colonel, require several years of experience.

051 Managers in art, culture, recreation and sport

0511 Library, archive, museum and art gallery managers

This unit group includes managers who plan, organize, direct, control and evaluate the activities of libraries, archives, museums, art galleries or departments within such institutions. They are employed in libraries, archives, museums and non-retail art galleries.

Illustrative example(s)

- archives director
- assistant director of archives
- chief librarian

- executive director, museum
- library director
- manager, art gallery
- museum administrator

Exclusion(s)

- Archivists (5113)
- Conservators and curators (5112)
- Librarians (5111)
- Managers of records management departments (see 0114 Other administrative services managers)

Main duties

Library, archive, museum and art gallery managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a library or library system, archive or archive system, museum or art gallery or a technical department within such an institution
- Develop and administer policies and programs
- Prepare and administer budgets
- Develop, promote and implement public relations and promotional programs
- Prepare funding and grant applications and proposals
- Prepare operational and financial reports, analyses and recommendations
- Recruit and provide training for professional, technical and clerical staff
- May perform the duties of a librarian, archivist or curator in smaller institutions.

Library, archive, museum and art gallery managers may specialize in a specific type of collection.

Employment requirements

Library managers

- A graduate degree in library and information science and
Several years of experience as a librarian, including supervisory experience are required.

Archive managers

- A graduate degree in archival science or history and
Several years of experience as an archivist or in historical research, including supervisory experience are required.

Museum and art gallery managers

- A graduate degree related to a particular collection or a training program in arts administration and
Several years of experience as a curator, conservator or artist or experience in other related museum and art gallery work are usually required.

Additional information

- There is mobility between library and archive managers and between museum and art gallery managers.

0512 Managers - publishing, motion pictures, broadcasting and performing arts

Managers in this unit group plan, organize, direct, control and evaluate operations within publishing firms, film, theatre and record production companies and broadcasting facilities. They are employed by radio and television stations, by newspaper, periodical and book publishing firms, and by film, theatre, record and video production companies.

Illustrative example(s)

- ballet company director
- book publishing manager
- broadcasting manager
- copyright manager - publishing

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- dance company director
 - editor-in-chief
 - manager, radio station
 - managing editor
 - opera company director
 - publishing manager
 - radio programming manager
 - station manager, broadcasting
 - television station manager
 - theatre company manager
 - video production company manager

Exclusion(s)

- Producers, directors, choreographers and related occupations (5131)
- Publishers (see 0016 Senior managers - construction, transportation, production and utilities)
- Senior managers - trade, broadcasting and other services, n.e.c. (0015)

Main duties

Managers in this unit group perform some or all of the following duties:

- Establish procedures and implement policies in newspaper and publishing firms, in film, theatre, record and video production companies, and in radio and television stations
- Plan and maintain production schedules for publications, films, broadcasts, and theatre, record and video productions
- Prepare and control budgets
- Hire and supervise staff
- Consult with government regulatory agencies to evaluate and review programs and policies, and to ensure conformance with regulations
- Initiate or approve development of articles, books, films, broadcasts, musical recordings and theatre productions, and liaise with authors, composers, producers and directors.

Employment requirements

- A university degree or college diploma in communications, broadcasting, journalism or other arts discipline is usually required.
- Several years of experience within the publishing, film production, broadcasting or theatre industry are usually required.

0513 Recreation, sports and fitness program and service directors

This unit group includes managers who plan, organize, direct, control and evaluate the operations of comprehensive recreational, sports and fitness programs and services, national or provincial sports governing agencies and professional athletic teams. They are employed by municipalities, community and private recreational and fitness organizations, sports governing agencies and professional athletic team organizations.

Illustrative example(s)

- director of recreation
- professional football team manager
- professional hockey team manager
- professional track and field team manager
- sports administration director - government
- sports association director
- sports federation director
- sports program director
- YMCA (Young Men's Christian Association) programs director

Exclusion(s)

- Coaches (5252)

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- Program leaders and instructors in recreation, sport and fitness (5254)
 - Recreation, sports and fitness policy researchers, consultants and program officers (4167)
 - Sports officials and referees (5253)

Main duties

Managers and directors in this unit group perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of recreation, sports and fitness programs and services
- Provide technical and professional advice on recreation, sports and fitness matters
- Prepare budget estimates and develop policies and procedures to implement programs
- Manage the operations of a sports governing agency
- Organize and administer national and provincial training, coaching, officiating and other programs associated with a particular sport
- Manage the operations of a professional athletic team
- Recruit professional coaches and athletes
- Direct fundraising drives and arrange for sponsorships from public and private organizations
- Develop long range plans and negotiate business contracts.

Employment requirements

- A university degree in recreology, physical education, sports administration or a related field or
A college diploma in recreation management or sports administration is usually required.
- Several years of experience in an occupation related to recreation and sports administration, consulting or programming are usually required.
- Some directors of recreation may be required to have a Municipal Recreation Director's Certificate.
- Executive directors of sports governing agencies may be required to have coaching certification in a particular sport.

06 Middle management occupations in retail and wholesale trade and customer services

060 Corporate sales managers

0601 Corporate sales managers

Corporate sales managers plan, organize, direct, control and evaluate the activities of establishments and departments involved in commercial, industrial, institutional, e-business and wholesale and retail sales. They are employed by commercial, industrial and wholesale and retail trade establishments.

Illustrative example(s)

- corporate sales manager
- manager, trade expansion
- national accounts manager - sales
- regional sales manager

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Retail and wholesale trade managers (0621)
- Senior managers - trade, broadcasting and other services, n.e.c. (0015)
- Supervisors of technical salespersons (see 6221 Technical sales specialists - wholesale trade)

Main duties

Corporate sales managers perform some or all of the following duties:

- Plan direct and evaluate the activities of sales departments in commercial, industrial, wholesale and retail and other establishments
- Organize regional and divisional sales operations

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- Establish organizational policies and procedures in relation to sales
 - Determine strategic planning related to new product lines
 - Lead sales team in building relationships with business clients and manage negotiations of sales contracts
 - Recruit, organize, train and manage staff
 - May work with the marketing department to understand and communicate marketing messages to the field.

Employment requirements

- A university degree or college diploma in business or in a related field with a specialization in sales and
Several years of experience as a sales representative or in a related occupation are usually required.

Additional information

- Progression to senior management positions is possible with experience.

062 Retail and wholesale trade managers

0621 Retail and wholesale trade managers

Retail and wholesale trade managers plan, organize, direct, control and evaluate the operations of establishments that sell merchandise or services on a retail or wholesale basis. Retail and wholesale trade managers are employed by retail and wholesale sales establishments or they may own and operate their own store.

Illustrative example(s)

- antique dealer
- assistant manager - retail
- automobile repair shop manager
- bookstore manager
- car dealership manager
- cattle dealer
- clothing store manager
- department store manager
- pleasure boat dealer
- sporting goods store manager
- store manager - retail
- supermarket manager
- variety store manager

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Insurance, real estate and financial brokerage managers (0121)
- Restaurant and food service managers (0631)
- Retail sales supervisors (6211)

Main duties

Retail and wholesale trade managers perform some or all of the following duties:

- Plan, direct and evaluate the operations of establishments engaged in wholesale and retail sales or of departments in such establishments
- Manage staff and assign duties
- Study market research and trends to determine consumer demand, potential sales volumes and effect of competitors' operations on sales
- Determine merchandise and services to be sold, and implement price and credit policies
- Locate, select and procure merchandise for resale
- Develop and implement marketing strategies
- Plan budgets and authorize expenditures
- Resolve customer complaints

-
- Determine staffing requirements and hire or oversee hiring of staff.

Employment requirements

- Completion of secondary school is required.
- A university degree or college diploma in business administration or other field related to the product or service being sold may be required.
- Several years of related retail sales experience at increasing levels of responsibility are usually required.

Additional information

- There is some mobility between managers in this unit group, depending on the product or service.

063 Managers in food service and accommodation

0631 Restaurant and food service managers

Restaurant and food service managers plan, organize, direct, control and evaluate the operations of restaurants, bars, cafeterias and other food and beverage services. They are employed in food and beverage service establishments, or they may be self-employed.

Illustrative example(s)

- assistant manager, restaurant
- banquet manager
- bar manager
- cafeteria manager
- catering service manager
- dining room manager
- food services manager
- hotel food and beverage service manager
- restaurant manager
- restaurateur - food services

Exclusion(s)

- Dietitians and nutritionists (3132)
- Executive chefs (see 6321 Chefs)
- Food service supervisors (6311)
- Senior managers in food service (see 0015 Senior managers - trade, broadcasting and other services, n.e.c.)

Main duties

Restaurant and food service managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a restaurant, bar, cafeteria or other food or beverage service
- Determine type of services to be offered and implement operational procedures
- Recruit staff and oversee staff training
- Set staff work schedules and monitor staff performance
- Control inventory, monitor revenues and modify procedures and prices
- Resolve customer complaints and ensure health and safety regulations are followed
- Negotiate arrangements with suppliers for food and other supplies
- Negotiate arrangements with clients for catering or use of facilities for banquets or receptions.

Employment requirements

- Completion of a college or other program related to hospitality or food and beverage service management is usually required.
- Several years of experience in the food service sector, including supervisory experience, are required.
- Responsible beverage service certification is usually required for managers of establishments serving alcoholic beverages.

Additional information

- Progression to senior management in food service is possible with experience.

0632 Accommodation service managers

Accommodation service managers plan, organize, direct, control and evaluate the operations of an accommodation establishment or of a department within such an establishment. They are employed by hotels, motels, resorts, student residences and other accommodation establishments, or they may be self-employed.

Illustrative example(s)

- assistant manager, hotel
- bed and breakfast operator
- front desk manager - accommodation services
- guest-house operator
- hotel director
- hotel manager
- motel manager
- reservations manager
- seasonal resort manager
- ski resort manager
- tourist home operator

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Executive housekeepers (6312)
- Facility operation and maintenance managers (0714)
- Restaurant and food service managers (0631)
- Retail and wholesale trade managers (0621)

Main duties

Accommodation service managers perform some or all of the following duties:

- Develop, implement and evaluate policies and procedures for the operation of the department or establishment
- Prepare budgets and monitor revenues and expenses
- Participate in the development of pricing and promotional strategies
- Negotiate with suppliers for the provision of materials and supplies
- Negotiate with clients for the use of facilities for conventions, banquets, receptions and other functions
- Recruit and supervise staff, oversee training and set work schedules
- Resolve customer complaints.

Employment requirements

- A university degree or college diploma in hotel management or other related discipline is usually required for managers employed by hotel chains or large accommodation establishments.
- Several years of experience within the accommodation industry are usually required and may substitute for formal educational requirements.

065 Managers in customer and personal services, n.e.c.**0651 Managers in customer and personal services, n.e.c.**

This unit group includes managers of establishments that provide services not elsewhere classified, such as dry cleaning, hairdressing or residential cleaning. This group also includes managers of schools that provide non-vocational instruction in driving, languages, music, dance, art, cooking or fashion.

Illustrative example(s)

- barber shop manager

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- car wash manager
 - cooking school manager
 - driving school manager
 - dry cleaning service manager
 - hairdressing salon manager
 - manager, residential cleaning service
 - manager, septic tank service
 - manager, window washing service
 - pest control service manager
 - spa manager

Exclusion(s)

- Accommodation service managers (0632)
- Cleaning supervisors (6315)
- Executive housekeepers (6312)
- Other business services managers (0125)
- Retail and wholesale trade managers (0621)
- Retail sales supervisors (6211)

Main duties

Managers in this unit group perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of an establishment providing services such as dry cleaning, hairdressing or residential cleaning, or a school providing non-vocational instruction in driving, languages, music, dance, art, cooking or fashion
- Establish or implement policies and procedures for staff
- Plan and control budget and inventory
- Respond to inquiries or complaints and resolve problems
- Manage contracts for advertising or marketing strategies
- Hire, train and supervise staff.

Employment requirements

- Completion of secondary school is usually required.
- A college diploma or vocational certificate in the subject of instruction may be required.
- One to three years of experience in the service being offered are usually required.

07-09 Middle management occupations in trades, transportation, production and utilities

071 Managers in construction and facility operation and maintenance

0711 Construction managers

Construction managers plan, organize, direct, control and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager. They are employed by residential, commercial and industrial construction companies and by construction departments of companies outside the construction industry.

Illustrative example(s)

- commercial construction manager
- construction manager
- construction superintendent
- general contractor
- housing construction manager
- industrial construction manager
- pipeline construction manager
- project manager, construction
- residential construction manager

Exclusion(s)

- Home building and renovation managers (0712)
- Senior managers - construction, transportation, production and utilities (0016)

Main duties

Construction managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate construction projects from start to finish according to schedule, specifications and budget
- Prepare and submit construction project budget estimates
- Plan and prepare construction schedules and milestones and monitor progress against established schedules
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors
- Develop and implement quality control programs
- Represent company on matters such as business services and union contracts negotiation
- Prepare progress reports and issue progress schedules to clients
- Direct the purchase of building materials and land acquisitions
- Hire and supervise the activities of subcontractors and subordinate staff.

Employment requirements

- A university degree in civil engineering or a college diploma in construction technology is usually required.
- A master's degree in project management may be required.
- Several years of experience in the construction industry, including experience as a construction supervisor or field superintendent, are usually required.
- Extensive experience in the construction industry may substitute for post-secondary education requirements.
- Professional engineering status or construction trade certification may be required by some employers.

Additional information

- Progression to senior management positions is possible with experience.

0712 Home building and renovation managers

Home building managers or builders own, operate and manage companies engaged in the construction of new residential homes. Home renovation managers or renovators own, operate and manage companies engaged in the renovation of existing residential homes.

Illustrative example(s)

- contractor, home renovation
- contractor, residential homes
- home builder
- home renovator
- renovation contractor

Exclusion(s)

- Construction managers (0711)
- Senior managers - construction, transportation, production and utilities (0016)

Main duties

Home building and renovation managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of a residential home building or renovating company
- Prepare bids for home construction or renovation projects
- Consult with customers, architects and engineers regarding plans and specifications
- Select, employ and supervise trade subcontractors to do specialized work, such as plumbing, heating and electrical work

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- Plan and prepare work schedules and co-ordinate the activities of subcontractors
 - Inspect work performed by subcontractors to ensure quality and conformity with plans and specifications
 - Prepare and maintain a directory of suppliers and trade subcontractors
 - Develop and implement marketing and advertising strategies to promote company's products and services
 - May perform carpentry or other trade work during home construction or renovation activities.

Employment requirements

- Extensive experience in the home construction industry, including experience as a general supervisor, is usually required for self-employment as a home builder or a home renovator.
- Leading in Energy and Environmental Design (LEED) certification may be an asset in bidding on and obtaining building and renovation projects.

Additional information

- Progression to senior management positions is possible with extensive experience and training in management.

0714 Facility operation and maintenance managers

Facility operation managers plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities and the included real estate. Facility operation managers are employed by a wide range of establishments, such as airports, harbours, canals, shopping centres, convention centres, warehouses and recreational facilities. Maintenance managers plan, organize, direct, control and evaluate the maintenance department within commercial, industrial, institutional, recreational and other facilities. Maintenance managers are employed by a wide range of establishments, such as office buildings, shopping centres, airports, harbours, warehouses, grain terminals, universities, schools and sports facilities, and by the maintenance and mechanical engineering departments of manufacturing and other industrial establishments.

Illustrative example(s)

- airport manager
- arena manager
- campus maintenance manager
- chief, maintenance support services
- facility operations manager
- harbour master
- head, facilities maintenance
- maintenance manager
- mechanical services superintendent
- plant maintenance superintendent
- recreation facility manager
- shopping centre manager
- superintendent, maintenance and service
- warehouse manager

Exclusion(s)

- Administrative services managers (011)
- Building superintendents (see 6733 Janitors, caretakers and building superintendents)
- Contractors and supervisors, mechanic trades (7301)
- Production operations managers (see 0911 Manufacturing managers)
- Property administrators (1224)
- Transportation operations and freight traffic managers (see 0731 Managers in transportation)

Main duties

Facility operation managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of commercial, transportation and recreational facilities and the included real estate

- Oversee the leasing of space in the facility and the included real estate and the development of marketing strategies
- Plan, organize and direct administrative services such as signage, cleaning, maintenance, parking, safety inspections, security and snow removal
- Plan, organize, direct, control and evaluate construction projects to modify commercial, transportation and recreational facilities and real estate
- Oversee the installation, maintenance and repair of real estate infrastructures including machinery, equipment and electrical and mechanical systems
- Plan and manage the facility's operations budget
- Prepare or oversee the preparation of reports and statistics related to areas of responsibility
- Hire and oversee training and supervision of staff.

Maintenance managers perform some or all of the following duties:

- Direct the maintenance and repair of an establishment's machinery, equipment and electrical and mechanical systems
- Develop and implement schedules and procedures for safety inspections and preventive maintenance programs
- Co-ordinate cleaning, snow removal and landscaping operations
- Administer contracts for the provision of supplies and services
- Plan and manage a facility's maintenance budget
- Hire and oversee training and supervision of staff.

Employment requirements

- Facility operation managers require completion of a college or university program in business administration or in a discipline related to facility operation and maintenance
or
An equivalent combination of technical training and experience in administration or maintenance.
- Maintenance managers require completion of a college or university program in electrical or mechanical engineering or in another discipline related to building maintenance
or
An equivalent combination of technical training and experience in building maintenance.
- Several years of supervisory experience in facility operations or maintenance are usually required.

073 Managers in transportation

0731 Managers in transportation

Managers in transportation operations plan, organize, direct, control and evaluate the operations of transportation companies such as railways, airlines, bus lines, municipal transit systems, shipping lines and trucking companies, under the direction of a general manager or other senior manager. Managers in transportation freight traffic plan, organize, direct, control and evaluate companies or departments responsible for the transportation and movement of goods, under the direction of a general manager or other senior manager. They are employed by transportation, freight forwarding and shipping companies and by transportation departments of companies in retail and manufacturing sectors and utilities.

Illustrative example(s)

- bus company manager
- distribution manager - logistics
- flight operations manager
- freight forwarding manager
- marine superintendent
- railway freight manager
- superintendent, rail operations
- traffic manager - transportation
- transport department manager
- transportation manager
- urban transit system manager

Exclusion(s)

- Airport managers, harbour masters and other managers of transportation facilities (see 0714 Facility operation and maintenance managers)
- Senior transportation managers (see 0016 Senior managers - construction, transportation, production and utilities)

Main duties

Managers in transportation operations perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a transportation company
- Set operations policies and standards, including determination of safety procedures for the handling of dangerous goods, and ensure compliance with transport regulations
- Oversee dispatch of vehicles, vessels or aircraft
- Control the company or departmental budget, including acquisitions
- Monitor company's or department's performance, prepare reports for senior management, and plan for changes to schedules and policies
- Recruit personnel and oversee their training.

Managers in transportation freight traffic perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the activities of companies or departments responsible for co-ordinating, arranging and monitoring the transportation and movement of goods
- Arrange for shipping documentation and oversee the scheduling and dispatching of goods and the tracking and tracing of goods in transit
- Set performance goals, oversee the setting of transportation service rates and monitor revenue
- Develop plans and procedures for the transportation and storage of goods
- Negotiate with carriers, warehouse operators and insurance company representatives for services and preferential rates
- Control the departmental budget
- Recruit personnel and oversee their training.

Employment requirements

Managers in transportation operations

- A bachelor's degree in business administration or engineering is usually required.
- Several years of experience in transportation operations are usually required, including supervisory experience.
- Extensive experience as a supervisor and operator in a particular transport mode, such as a pilot, train engineer, vessel master or truck driver, may substitute for formal education.
- Certification as an operator of a particular mode of transportation, such as commercial pilot, vessel master or truck driver, is usually required.

Managers in transportation freight traffic

- Completion of secondary school is required.
- A college diploma or university degree in business or transportation administration may be required.
- Several years of clerical, operational or administrative experience related to freight traffic are required.

Additional information

- There is little or no mobility between managers in transportation operations and managers in transportation freight traffic.
- There is little or no mobility between transportation managers of land, sea and air transportation operations.

081 Managers in natural resources production and fishing**0811 Managers in natural resources production and fishing**

This unit group includes managers who plan, organize, direct, control and evaluate the operations of establishments in forestry and logging, mining and quarrying, oil and gas drilling, production and servicing operations, and commercial fishing.

Illustrative example(s)

- director of mining
- manager, drilling operations
- manager, fishing operations
- manager, forestry operations
- manager, gas field operations
- manager, oil well servicing
- mine manager
- quarry manager
- shore captain - fishing

Exclusion(s)

- Contractors and supervisors, oil and gas drilling and services (8222)
- Directors of research in primary industry (see 0212 Architecture and science managers)
- Fishing masters and officers (8261)
- Managers in agriculture (0821)
- Senior managers - construction, transportation, production and utilities (0016)
- Supervisors, logging and forestry (8211)
- Supervisors, mining and quarrying (8221)

Main duties

Managers in natural resources production and fishing perform some or all of the following duties:

- Oversee and analyze operations in forestry, logging, mining, quarrying, or oil and gas operations or in services to logging, mining and oil and gas industries, or in commercial fishing
- Recommend operational changes to senior management when necessary to ensure that production quotas and procedures are met
- Prepare production reports for review by senior management
- Confer with other managers to set production quotas, to plan extraction sites and to develop policies for the removal of raw materials
- Evaluate efficiency of production sites to determine adequacy of personnel, equipment and technologies used, and make changes to work schedule or equipment when necessary
- Ensure adherence to safety regulations
- Hire personnel and oversee training needs of staff
- May direct peripheral activities such as the construction of access roads or temporary living quarters.

Employment requirements

- Forestry managers usually require a bachelor's degree in forestry science or forest engineering.
- Mining and quarrying managers usually require a bachelor's degree in mining engineering or earth sciences.
- Oil and gas managers usually require a bachelor's degree in geology, earth sciences or petroleum engineering.
- Several years of experience in a supervisory occupation in the particular industry are usually required and may substitute for formal education requirements.

Additional information

- Progression to senior management positions in the respective industries is possible with experience.

082 Managers in agriculture, horticulture and aquaculture

0821 Managers in agriculture

Managers in agriculture plan, organize, direct, control and evaluate the operations and functions of farms. They are responsible for growing crops, raising and breeding livestock, poultry and other animals and marketing farm products. Managers in this unit group usually own and operate their own establishment.

Illustrative example(s)

- apiarist
- apple grower
- breeder, domestic animals
- chicken farmer
- dairy farmer
- fruit farmer
- hog breeder
- horse breeder
- maple syrup producer
- market gardener
- potato farmer
- rancher
- seed grower
- sod farmer
- vegetable grower
- vineyard manager
- viticulturist
- wheat farmer

Exclusion(s)

- Agricultural service contractors, farm supervisors and specialized livestock workers (8252)
- Managers in horticulture (0822)

Main duties

Managers in agriculture perform some or all the following duties:

- Manage the overall operations of a farm, ranch or orchard
- Determine the amount and kinds of crops to be grown and livestock to be raised
- Organize and co-ordinate planting, cultivating and crop harvesting activities; raising and breeding of livestock and poultry
- Hire and manage farm personnel
- Establish a marketing program
- Develop and keep financial and production records
- Purchase farm machinery, livestock, seed, feed and other supplies
- Maintain farm machinery, equipment and buildings
- Perform farming duties.

Managers in agriculture manage farms of various sizes which may specialize in particular crops such as wheat, apples or potatoes or raise particular livestock such as beef cattle, hogs or chickens.

Employment requirements

- Extensive farming experience, obtained as a farm supervisor or specialized crop or livestock worker or by working on a farm, is usually required.
- A university degree or college diploma in agricultural management or other field related to crop or livestock production may be required.

0822 Managers in horticulture

Managers in horticulture plan, organize, direct and control the activities of nursery and greenhouse staff who grow and market trees, shrubs, flowers and plants.

Illustrative example(s)

- Christmas tree farm operator
- flower grower
- greenhouse manager
- greenhouse operator
- nursery manager

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- nursery operator
 - plant grower - nursery

Exclusion(s)

- Nursery and greenhouse workers (8432)
- Turf farmer (see 0821 Managers in agriculture)

Main duties

Managers in horticulture perform some or all of the following duties:

- Plan, organize, direct and control the operations of nurseries and greenhouses
- Establish the environmental conditions required to grow trees, shrubs, flowers and plants, and design planting and care schedules accordingly
- Determine type and quantity of stock to grow
- Supervise staff in planting, transplanting, feeding and spraying stock
- Identify and control insect, disease and weed problems
- Develop marketing plans
- Provide information to customers on gardening and on the care of trees, shrubs, flowers, plants and lawns
- Order materials such as fertilizer, garden and lawn care equipment, and other nursery and greenhouse related accessories
- Hire and manage staff, oversee training and set work schedules
- Maintain records on stock, finances and personnel.

Employment requirements

- Completion of a college program in horticulture is usually required.
- Experience as a nursery or greenhouse supervisor is required.

0823 Managers in aquaculture

Managers in aquaculture manage operations of facilities which cultivate and harvest fish, shellfish or marine plants for replenishment of wildlife stocks or for commercial sale. They are employed by public or private fish hatcheries and commercial aquatic farms, or they may be self-employed.

Illustrative example(s)

- aquaculture manager
- aquaculture operator
- fish farm operator
- fish farmer
- fish hatchery manager
- fish hatchery operator
- mussel grower
- oyster grower
- salmon grower
- trout farmer

Exclusion(s)

- Aquaculture support workers (see 8613 Aquaculture and marine harvest labourers)
- Aquaculture technicians (see 2221 Biological technologists and technicians)

Main duties

Managers in aquaculture perform some or all of the following duties:

- Manage the overall operation of a fish hatchery, fish farm or other aquatic farm
- Identify requirements of the species and select and oversee preparation of site for species cultivation
- Co-ordinate selection and maintenance of brood stock
- Determine food requirements and structure feeding regimes
- Monitor environment and maintain optimum conditions

- Conduct and supervise stock examination to identify disease or parasites, and apply prescribed medicinal substances to control and prevent infection
- Operate and maintain cultivating and harvesting equipment
- Collect and record growth and production data
- Manage and train aquaculture and fish hatchery support workers and supervise technicians and technologists
- Maintain financial records and establish market strategies, inventory and quality control methods
- May scuba dive to inspect sea farm operations
- May design and construct pens, floating stations and collector strings or fences for sea farms.

Employment requirements

- Completion of secondary school is usually required.
- A college diploma in aquaculture or a related field
or
Several years of experience in fishing or aquaculture operations are usually required.
- A commercial aquaculture or fish hatchery licence, permit or lease is required for self-employed aquaculture managers.

091 Managers in manufacturing and utilities

0911 Manufacturing managers

Manufacturing managers plan, organize, direct, control and evaluate the operations of a manufacturing establishment or of a production department within a manufacturing establishment, under the direction of a general manager or other senior manager. They are employed by manufacturing companies.

Illustrative example(s)

- automobile production manager
- clothing factory manager
- dairy plant manager
- distillery manager
- factory superintendent
- foundry manager
- manufacturing manager
- operations manager, manufacturing
- plant manager, manufacturing
- printing plant manager
- production manager - manufacturing
- textile mill manager
- tire plant manager

Exclusion(s)

- Facility operation and maintenance managers (0714)
- Managers in transportation (0731)
- Senior managers - construction, transportation, production and utilities (0016)
- Utilities managers (0912)

Main duties

Manufacturing managers perform some or all of the following duties:

- Plan, organize, direct, control and evaluate the operations of a manufacturing establishment or the operations or production department of a manufacturing establishment
- Develop and implement plans to efficiently use materials, labour and equipment to meet production targets
- Plan and manage the establishment of departmental budget
- Develop production schedules and maintain an inventory of raw materials and finished products
- Plan and implement changes to machinery and equipment, production systems and methods of work
- Direct quality control inspection system and develop production reporting procedures

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- Develop equipment maintenance schedules and recommend the replacement of machines
 - Hire, supervise and train or oversee training of employees in the use of new equipment or production techniques.

Employment requirements

- Completion of a college or university program in engineering or business administration is usually required.
- Five to ten years of supervisory experience in manufacturing are required.

Additional information

- Progression to senior management positions is possible with experience.

0912 Utilities managers

This unit group includes managers who plan, organize, direct, control and evaluate the operations of utility companies or services of heating fuel distribution companies. The services provided include treatment of water and waste, distribution of water, electricity, natural gas and heating oil to residential, commercial and industrial consumers, waste disposal and waste recycling. Utilities managers are employed in public and private sector utilities and in heating fuel distribution companies.

Illustrative example(s)

- director of waste management
- director of water pollution control
- director, distribution systems - utilities
- director, electrical power transmission operations
- director, water supply
- distribution manager, refined petroleum products
- electric power plant manager
- liquid waste facility manager
- manager, electric generating plant
- manager, gas supply operations
- manager, sewage treatment plant
- water filtration plant manager

Exclusion(s)

- Facility operation and maintenance managers (0714)
- Senior managers - construction, transportation, production and utilities (0016)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Water supply managers manage water filtration, purification processes and pumping operations, schedule and oversee the maintenance of plant equipment and prepare reports on water supply and water quality.
- Electrical power distribution managers manage the operations of electrical power distribution systems including generating stations, transmission stations and distribution networks. They may also plan and direct the distribution activities of a municipal electrical power establishment.
- Natural gas supply managers manage the delivery of gas to consumers, monitor supply inventories and control the recording of injections and withdrawals.
- Petroleum product distribution managers plan and direct the distribution of heating oil products to retail distributors and regional storage sites.
- Water pollution control managers manage the operations of a sewage treatment plant, schedule and direct maintenance of plant equipment, and prepare reports on water quality.
- Waste systems managers manage solid or liquid waste collection and disposal systems, train drivers in how to handle waste and ensure safe operation of disposal facilities.

Employment requirements

- A bachelor's degree or college diploma in an appropriate discipline is required. For example, electrical engineering is required for managers of transmission lines, and water resource technology for water supply managers.
- Several years of experience as a supervisor in a related utilities operations department are required.
- Professional engineer certification is usually required for managers of utility operations involved in the transmission and distribution of electrical power, and natural gas and heating oil.

Additional information

- Progression to senior management positions in the utility industry is possible with experience.

1 Business, finance and administration occupations**11 Professional occupations in business and finance****111 Auditors, accountants and investment professionals****1111 Financial auditors and accountants**

Financial auditors examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. Accountants plan, organize and administer accounting systems for individuals and establishments. Articling students in accounting firms are included in this unit group. Financial auditors and accountants are employed by auditing and accounting firms throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- accountant
- certified general accountant (CGA)
- certified management accountant (CMA)
- chartered accountant (CA)
- chief accountant
- financial auditor
- income tax expert
- industrial accountant
- internal auditor

Exclusion(s)

- Accounting technicians and bookkeepers (1311)
- Financial managers (0111)
- Program or other non-financial auditors (see 416 Policy and program researchers, consultants and officers)

Main duties

Financial auditors perform some or all of the following duties:

- Examine and analyze journal and ledger entries, bank statements, inventories, expenditures, tax returns and other accounting and financial records, documents and systems of individuals, departments within organizations, businesses or other establishments to ensure financial recording accuracy and compliance with established accounting standards, procedures and internal controls
- Prepare detailed reports on audit findings and make recommendations to improve individual or establishment's accounting and management practices
- Conduct field audits of businesses to ensure compliance with provisions of the Income Tax Act, Canadian Business Corporations Act or other statutory requirements
- May supervise other auditors or professionals in charge of accounting within client's establishment.

Accountants perform some or all of the following duties:

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- Plan, set up and administer accounting systems and prepare financial information for individuals, departments within organizations, businesses and other establishments
 - Examine accounting records and prepare financial statements and reports
 - Develop and maintain cost finding, reporting and internal control procedures
 - Examine financial accounts and records and prepare income tax returns from accounting records
 - Analyze financial statements and reports and provide financial, business and tax advice
 - May act as a trustee in bankruptcy proceedings
 - May supervise and train articling students, other accountants or administrative technicians.

Employment requirements

- Chartered accountants require a university degree and
Completion of a professional training program approved by a provincial institute of chartered accountants and, depending on the province, either two years or 30 months of on-the-job training and
Membership in a provincial Institute of Chartered Accountants upon successful completion of the Uniform Evaluation (UFE).
- Certified general accountants and certified management accountants require a university degree and
Completion of a training program approved by the Society of Certified General Accountants or Society of Management Accountants and several years of on-the-job training and
Certification by the Certified General Accountants Association or the Society of Management Accountants.
- Auditors require education, training and recognition as indicated for chartered accountants, certified general accountants or certified management accountants and
Some experience as an accountant.
- Auditors may require recognition by the Institute of Internal Auditors.
- To act as a trustee in bankruptcy proceedings, auditors and accountants must hold a licence as a trustee in bankruptcy.
- Licensing by the provincial or territorial governing body is usually required for accountants and auditors practising public accounting.

Additional information

- There is limited mobility among the three professional accounting designations of chartered accountant (CA), certified general accountant (CGA) and certified management accountant (CMA).
- Progression to auditing or accounting management positions is possible with experience.

1112 Financial and investment analysts

Financial and investment analysts collect and analyze financial information such as economic forecasts, trading volumes and the movement of capital, financial backgrounds of companies, historical performances and future trends of stocks, bonds and other investment instruments to provide financial and investment or financing advice for their company or their company's clients. Their studies and evaluations cover areas such as takeover bids, private placements, mergers or acquisitions. Financial analysts are employed by a wide range of establishments throughout the private and public sector, such as banks, brokerage houses, insurance companies, investment companies, manufacturing firms, trust companies, utility companies and underwriting firms. Investment analysts are employed primarily by brokerage houses and fund management companies.

Illustrative example(s)

- chartered financial analyst
- financial analyst
- investment analyst
- money market analyst
- portfolio manager
- research associate, financial services

Exclusion(s)

- Economic development officers (see 4163 Business development officers and marketing researchers and consultants)
- Economists (see 4162 Economists and economic policy researchers and analysts)
- Financial planners (see 1114 Other financial officers)
- Securities agents, investment dealers and brokers (1113)

Main duties

Financial analysts perform some or all of the following duties:

- Evaluate financial risk, prepare financial forecasts, financing scenarios and other documents concerning capital management, and write reports and recommendations
- Plan short- and long-term cash flows and assess financial performance
- Analyze investment projects
- Advise on and participate in the financial aspects of contracts and calls for tender
- Follow up on financing projects with financial backers
- Develop, implement and use tools for managing and analyzing financial portfolio
- Prepare a regular risk profile for debt portfolios
- Assist in preparing operating and investment budgets.

Investment analysts perform some or all of the following duties:

- Collect financial and investment information about companies, stocks, bonds and other investments using daily stock and bond reports, economic forecasts, trading volumes, financial periodicals, securities manuals, company financial statements and other financial reports and publications
- Examine and analyze financial and investment information collected, including profiles of companies, stock and bond prices, yields and future trends and other investment information
- Provide investment advice and recommendations to clients, senior company officials, pension fund managers, securities agents and associates
- Prepare company, industry and economic outlooks, analytical reports, briefing notes and correspondence.

Employment requirements

- A bachelor's degree in commerce, business administration or economics and
On-the-job training and industry courses and programs are usually required.
- A master's degree in business administration (MBA) (concentration in finance) or in finance may be required.
- The Chartered Financial Analyst (CFA) designation, available through a program conducted by the Institute of Chartered Financial Analysts in the United States, may be required by some employers.

Additional information

- Progression to management positions, such as securities manager, is possible with experience.

1113 Securities agents, investment dealers and brokers

Securities agents and investment dealers buy and sell stocks, bonds, treasury bills, mutual funds and other securities for individual investors, pension fund managers, banks, trust companies, insurance firms and other establishments. Brokers buy and sell stocks, bonds, commodity futures, foreign currencies and other securities at stock exchanges on behalf of investment dealers. They are employed by investment companies, stock brokerage firms, stock and commodity exchanges and other establishments in the securities industry.

Illustrative example(s)

- agent, securities
- bond dealer
- broker
- commodity broker
- discount broker
- floor trader - commodity exchange
- foreign exchange trader

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- investment dealer
 - mutual fund broker
 - mutual fund sales representative
 - registered investment representative
 - securities sales agent
 - securities trader
 - stockbroker
 - supervisor, registered representatives

Exclusion(s)

- Financial and investment analysts (1112)
- Financial brokerage managers (see 0121 Insurance, real estate and financial brokerage managers)
- Other financial officers (1114)

Main duties

Securities agents and investment dealers perform some or all of the following duties:

- Develop long-term relationships with their clients by preparing investment strategies to help them achieve their financial goals, offering advice and information on various investments to guide them in managing their portfolios
- Review financial periodicals, stock and bond reports, business publications and other material, and develop a network within the financial industry to gather relevant information and identify potential investments for clients
- Carry out investment orders by buying and selling stocks, bonds, treasury bills, mutual funds and other securities for individual investors, pension fund managers or companies such as banks, trust companies and insurance firms
- Monitor clients' investment portfolios and ensure that investment transactions are carried out according to industry regulations.

Brokers perform some or all of the following duties:

- Buy and sell stocks, bonds, commodity futures, foreign currencies and other securities at stock exchanges on behalf of investment dealers
- Develop trading strategies by reviewing investment information and monitoring market conditions from the exchange floor and through contact with trading departments of other investment firms, pension fund managers and investment company financial analysts
- Make bids and offers to buy and sell securities and complete details of sales on exchange trade tickets
- Prepare reviews of portfolios' positions.

Employment requirements

- A bachelor's or master's degree in economics, business or other discipline is usually required.
- Securities sales representatives and brokers require completion of industry investment and sales training programs and completion of the Canadian Securities course and the Registered Representative Manual Exam offered by the Canadian Securities Institute.
- Specialized courses are also available for securities sales representatives and brokers who want to trade in specific investment products such as securities options and futures contracts.
- Licensure by the provincial securities commission in the province of employment is required for securities agents, investment dealers and brokers.

Additional information

- Progression to related management positions is possible with experience.

1114 Other financial officers

This unit group includes professional occupations in finance not elsewhere classified such as financial planners, financial examiners and inspectors, financial investigators, financial underwriters, mortgage brokers and trust officers. They are employed by banks, trust companies, investment firms and governments, or they may be self-employed.

Illustrative example(s)

- account manager
- credit adjudicator
- credit unions examiner
- estate and trust administrator
- financial investigator
- financial planner
- financial underwriter
- inspector, financial institutions
- mortgage broker
- trust officer

Exclusion(s)

- Economic development officers (see 4163 Business development officers and marketing researchers and consultants)
- Economists (see 4162 Economists and economic policy researchers and analysts)
- Financial and investment analysts (1112)
- Managers in financial and business services (012)
- Securities agents, investment dealers and brokers (1113)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Financial planners develop personal financial plans for clients covering cash management, finances, insurance coverage, investments, retirement and estate planning, taxes and legal matters; analyze clients' financial records, set goals and develop a financial strategy; advise clients on implementing the financial plan to help them achieve their goals; may also arrange for the purchase and sale of financial products and investments depending on the licence held, and monitor the portfolio to ensure its quality and profitability; and help to expand business and attract new clients.
- Financial examiners and inspectors review and examine banks, trust companies, credit unions, caisses populaires, credit companies, real estate companies, insurance companies, pension funds, securities brokers and other financial services and institutions to ensure compliance with governing legislation and regulations.
- Financial investigators investigate possible unethical conduct or breaches of securities or commodity futures laws by persons or companies that trade in securities and commodity futures or that provide related financial services.
- Financial underwriters underwrite new issues of stocks and bonds, negotiate with corporations and governments to determine the type and terms of new securities issued and prepare offering prospectuses.
- Trust officers administer estate, personal, charitable, corporate and other types of trusts, direct trust account investments, receive and record investment income and disburse trust funds.
- Mortgage brokers meet with clients to obtain information about income, liabilities and assets, and type, price and condition of property to be mortgaged, and negotiate mortgage loans with lenders or lending institutions on behalf of clients.

Employment requirements

- A bachelor's degree in business administration, commerce, economics or a related field is usually required.
- Various training programs and courses are offered by financial institutes and organizations, such as the Canadian Securities Institute, Institute of Canadian Bankers, Institute of Chartered Financial Analysts, Investment Funds Institute, Canadian Institute of Financial Planning, and Trust Companies Institute of Canada, and may be required by employers.
- The designation Personal Financial Planner, awarded by the Financial Planners Standards Council of Canada, may be required.
- Financial planners who sell regulated financial products and investments, such as annuities, RRSPs and life insurance, are required to be licensed by the appropriate governing body.
- Financial examiners and inspectors may require a recognized accounting designation.

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- Mortgage brokers require a real estate licence in Quebec and a mortgage broker licence in Newfoundland and Labrador, Nova Scotia, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

Additional information

- Progression to financial management positions is possible with experience.
- While these kinds of positions require a high degree of training and qualifications, persons who occupy them must continually update their skills and pursue professional development.

112 Human resources and business service professionals

1121 Human resources professionals

Human resources professionals develop, implement and evaluate human resources and labour relations policies, programs and procedures and advise managers and employers on human resources matters. Human resources professionals are employed throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- business agent, labour organization
- classification officer - human resources
- classification specialist
- compensation research analyst
- conciliator
- consultant, human resources
- employee relations officer
- employment equity officer
- human resources research officer
- job analyst
- labour relations officer
- mediator
- union representative
- wage analyst

Exclusion(s)

- Human resources and recruitment officers (1223)
- Human resources managers (0112)
- Personnel clerks (1415)
- Professional occupations in business management consulting (1122)
- Training officers and instructors (see 4021 College and other vocational instructors)

Main duties

Human resources professionals perform some or all of the following duties:

- Plan, develop, implement and evaluate human resources and labour relations strategies including policies, programs and procedures to address an organization's human resource requirements
- Advise managers and employees on the interpretation of human resources policies, compensation and benefit programs and collective agreements
- Negotiate collective agreements on behalf of employers or workers, mediate labour disputes and grievances and provide advice on employee and labour relations
- Research and prepare occupational classifications, job descriptions, salary scales and competency appraisal measures and systems
- Plan and administer staffing, total compensation, training and career development, employee assistance, employment equity and affirmative action programs
- Manage programs and maintain human resources information and related records systems
- Hire and oversee training of staff
- Co-ordinate employee performance appraisal programs
- Research employee benefit and health and safety practices and recommend changes or modifications to existing policies.

Employment requirements

- A university degree or college diploma in human resources management or a related field, such as business administration, industrial relations, commerce or psychology or
Completion of a professional development program in human resources administration is required.
- Some employers may require human resources professionals to hold a Certified Human Resources Professional (CHRP) designation.

Additional information

- Progression to management positions is possible with experience.

1122 Professional occupations in business management consulting

This unit group includes those who provide services to management such as analyzing the structure, operations, managerial methods or functions of an organization in order to propose, plan and implement improvements. They are employed by management consulting firms and throughout the public and private sectors or are self-employed.

Illustrative example(s)

- business management consultant
- business methods analyst
- consultant, organizational analysis
- health information management consultant
- ISO consultant
- management analyst
- organizational analyst
- records management specialist
- researcher, organization and methods
- senior consultant, operations management

Exclusion(s)

- Business development officers and marketing researchers and consultants (4163)
- Economists and economic policy researchers and analysts (4162)
- Financial and investment analysts (1112)
- Financial auditors and accountants (1111)
- Health information management occupations (1252)
- Industrial and manufacturing engineers (2141)
- Other financial officers (1114)
- Records management technicians (1253)

Main duties

Management consultants perform some or all of the following duties:

- Analyze and provide advice on the managerial methods and organization of a public or private sector establishment
- Conduct research to determine efficiency and effectiveness of managerial policies and programs
- Conduct assessments and propose improvements to methods, systems and procedures in areas such as operations, human resources, records management and communications
- Conduct quality audits and develop quality management and quality assurance standards for ISO (International Organization for Standardization) registration
- Plan the reorganization of the operations of an establishment
- May supervise contracted researchers or clerical staff.

Employment requirements

- A bachelor's degree or college diploma in business administration, commerce or a related discipline is usually required.
- A graduate degree in business administration may be required.

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- Some establishments may require management consultants to be certified by a provincial management consulting association.
 - Certification as a quality auditor may be required for some occupations in this unit group.
 - Occupations in health information management consulting may require certification by the Canadian Health Information Management Association (CHIMA).

Additional information

- Progression to senior and managerial positions is possible with experience.

1123 Professional occupations in advertising, marketing and public relations

This unit group includes specialists in advertising, marketing and public relations who analyse, develop and implement communication and promotion strategies and information programs, analyse advertising needs and develop appropriate advertising and marketing plans, publicize activities and events, and maintain media relations on behalf of businesses, governments and other organizations, and for performers, athletes, writers and other talented individuals. They are employed by consulting firms, advertising agencies, corporations, associations, government, social agencies, museums, galleries, public interest groups, and cultural and other organizations, or they may be self-employed. Agents such as entertainment, literary and sports agents are included in this unit group.

Illustrative example(s)

- advertising consultant
- communications officer
- communications specialist
- event marketing specialist
- fundraising consultant
- information officer
- literary agent
- media co-ordinator
- media relations officer
- museum educator
- performers agent
- press secretary
- public affairs officer
- public relations consultant
- public relations officer
- publicist
- publicity agent

Exclusion(s)

- Authors and writers (5121)
- Conference and event planners (1226)
- Marketing consultants (see 4163 Business development officers and marketing researchers and consultants)
- Public relations managers (see 0124 Advertising, marketing and public relations managers)

Main duties

Specialists in advertising, marketing and public relations perform some or all of the following duties:

- Assess characteristics of products or services to be promoted and advise on the advertising needs of an establishment
- Advise clients on advertising or sales promotion strategies
- Develop and implement advertising campaigns appropriate for print or electronic media
- Gather, research and prepare communications material for internal and external audiences
- Develop, implement and evaluate communications strategies and programs designed to inform clients, employees and the general public of initiatives and policies of businesses, governments and other organizations

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- Conduct public opinion and attitude surveys to identify the interests and concerns of key groups served by their organization
 - Prepare or oversee preparation of reports, briefs, bibliographies, speeches, presentations, Web sites and press releases
 - Develop and organize workshops, meetings, ceremonies and other events for publicity, fundraising and information purposes
 - Prepare and deliver educational and publicity programs and informational materials to increase awareness of museums, galleries and other tourist attractions
 - Initiate and maintain contact with the media
 - Arrange interviews and news conferences
 - Act as spokesperson for an organization and answer written and oral inquiries
 - Co-ordinate special publicity events and promotions for internal and external audiences
 - Assist in the preparation of brochures, reports, newsletters and other material
 - Represent and act as an agent for talented individuals or individuals with specific occupational expertise
 - Prepare or oversee preparation of sports, literary, performance or other contracts.

Literary agents specialize in representing specific types of authors and writers. Performance agents specialize in representing singers, musicians, actors or other performers. Sports agents specialize in representing specific athletes or sports teams.

Employment requirements

- A university degree or college diploma in business marketing, public relations, communications, journalism, museology or a discipline related to a particular subject matter is usually required.
- Practitioners in public relations may require an APR (Accredited in Public Relations) designation.

Additional information

- Progression to managerial positions in public relations, communications and fundraising is possible with additional training and experience.

12 Administrative and financial supervisors and administrative occupations

121 Administrative services supervisors

1211 Supervisors, general office and administrative support workers

Supervisors in this unit group supervise and co-ordinate the activities of workers in minor groups: *General Office Workers* (141) and *Office Equipment Operators* (142). They are employed throughout the public and private sectors.

Illustrative example(s)

- clerical supervisor
- data entry supervisor
- filing clerks supervisor
- hospital admitting clerks supervisor
- personnel clerks supervisor
- records office supervisor
- registry supervisor
- supervisor, switchboard operators

Exclusion(s)

- Office managers (see 1221 Administrative officers)
- Supervisors, finance and insurance office workers (1212)
- Supervisors, library, correspondence and related information workers (1213)
- Supervisors, mail and message distribution occupations (1214)
- Supervisors, supply chain, tracking and scheduling co-ordination occupations (1215)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of clerks engaged in the following duties: word processing; record keeping and filing; operating telephones and switchboards; data entry; desktop publishing; and other activities involving general office and administrative skills
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Train workers in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of office equipment and machinery, and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is required.
- Completion of college courses related to area supervised is usually required.
- Experience in the occupation supervised is usually required.

1212 Supervisors, finance and insurance office workers

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Accounting and Related Clerks* (1431), *Payroll Clerks* (1432), *Banking, Insurance and Other Financial Clerks* (1434) and *Collectors* (1435). They are employed by banks and other financial institutions, insurance companies, and by other establishments throughout the private and public sectors.

Illustrative example(s)

- accounts payable supervisor
- accounts receivable supervisor
- bank clerks supervisor
- billing supervisor
- bookkeeping supervisor
- collection supervisor
- credit supervisor
- payroll supervisor
- supervisor of accounting
- supervisor, claims adjusters

Exclusion(s)

- Customer and information services supervisors (6314)
- Financial managers (0111)
- Other financial officers (1114)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Implement efficient working processes and co-ordinate, assign and review the work of clerks engaged in the following duties: administering accounts payable and receivable; processing, verifying and recording financial documents and forms; administering payrolls; processing, verifying and recording insurance claims and forms; and collecting user fees and payments on overdue accounts
- Examine and verify accuracy of work and authorize routine payments, credits and other transactions
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Identify training needs and train workers in job duties and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

Employment requirements

- Completion of a college program or courses in bookkeeping, accounting or a related subject is required.
- Experience in the clerical occupation supervised is required.

1213 Supervisors, library, correspondence and related information workers

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Library Assistants and Clerks* (1451), *Correspondence, Publication and Regulatory Clerks* (1452) and *Survey Interviewers and Statistical Clerks* (1454). They are employed throughout the private and public sectors.

Illustrative example(s)

- advertising clerks supervisor
- correspondence clerks supervisor
- library clerks supervisor
- publication clerks supervisor
- statistical clerks supervisor
- supervisor, survey interviewers

Exclusion(s)

- Librarians (5111)
- Library and public archive technicians (5211)
- Supervisors, mail and message distribution occupations (1214)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of clerks engaged in the following duties: conducting surveys and interviews; collecting and compiling statistics; preparing and issuing licenses, passports and other regulatory documents; reshelving books and performing other tasks in libraries; writing correspondence including e-mails and preparing material for translation and publication
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems, monitor services provided by clerks and agents, and prepare and submit progress and other reports
- Train workers in job duties and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is required.
- Completion of college courses related to area supervised may be required.
- Experience in the clerical occupation supervised is usually required.

1214 Supervisors, mail and message distribution occupations

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Mail, Postal and Related Workers* (1511), *Letter Carriers* (1512) and *Couriers, Messengers and Door-to-Door Distributors* (1513). They are employed by Canada Post Corporation, courier companies, governments and large corporations.

Illustrative example(s)

- courier service supervisor
- letter carriers supervisor
- mail and postal clerks supervisor
- mail room supervisor
- messenger service supervisor
- postal station supervisor

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- postmaster/mistress

Exclusion(s)

- Postal and courier services managers (0132)
- Shipping and receiving supervisors (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of postal clerks, letter carriers and couriers engaged in the collecting, sorting and delivering of mail, parcels and other material
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Train workers in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is required.
- Several years of experience in the occupation supervised are usually required.

1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Shippers and Receivers* (1521), *Storekeepers and Partspersons* (1522), *Production Logistics Co-ordinators* (1523), *Purchasing and Inventory Control Workers* (1524), *Dispatchers* (1525) and *Transportation Route and Crew Schedulers* (1526). They are employed throughout the private and public sectors.

Illustrative example(s)

- dispatch logistician
- flight crew scheduling supervisor
- freight forwarding logistician
- head dispatcher
- head shipper
- inventory control supervisor
- logistics supervisor - transportation
- parts service supervisor
- production clerks supervisor
- ramp services supervisor - airport
- supervisor, receiving
- supply control co-ordinator

Exclusion(s)

- Supervisors, mail and message distribution occupations (1214)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of clerks engaged in the following duties: shipping, receiving, storing, distributing and maintaining inventories of materials, parts and products; processing purchasing transactions; co-ordinating production work; dispatching crews; scheduling transportation crews and routes; operating airport ramp servicing vehicles; and other related activities
- Plan, organize and oversee operational logistics of the organization, establish work schedules and procedures, resolve work-related issues, prepare and submit progress and other reports and co-ordinate activities with other supply-chain work units or departments

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- Train workers in job duties, safety procedures and company policies
 - Requisition supplies and materials
 - Ensure smooth operation of computer systems, equipment and machinery and arrange for maintenance and repair work
 - May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience in the occupation supervised are usually required.

122 Administrative and regulatory occupations

1221 Administrative officers

Administrative officers oversee and implement administrative procedures, establish work priorities, conduct analyses of administrative operations and co-ordinate acquisition of administrative services such as office space, supplies and security services. They are employed throughout the private and public sectors. Administrative officers who are supervisors are included in this group.

Illustrative example(s)

- access to information and privacy officer
- administrative officer
- administrative services co-ordinator
- co-ordinator, office services
- forms management officer
- liaison officer
- office administrator
- office manager
- planning officer
- records analyst - access to information
- surplus assets officer
- university admissions officer

Exclusion(s)

- Administrative services managers (see 0114 Other administrative services managers)
- Conference and event planners (1226)
- Executive assistants (1222)
- Property administrators (1224)

Main duties

Administrative officers perform some or all of the following duties:

- Oversee and co-ordinate office administrative procedures and review, evaluate and implement new procedures
- Establish work priorities, delegate work to office support staff, and ensure deadlines are met and procedures are followed
- Carry out administrative activities associated with admissions to post-secondary educational institutions
- Administer policies and procedures related to the release of records in processing requests under government access to information and privacy legislation
- Co-ordinate and plan for office services, such as accommodation, relocations, equipment, supplies, forms, disposal of assets, parking, maintenance and security services
- Conduct analyses and oversee administrative operations related to budgeting, contracting and project planning and management processes
- Assist in preparation of operating budget and maintain inventory and budgetary controls
- Assemble data and prepare periodic and special reports, manuals and correspondence
- May supervise records management technicians and related staff.

Employment requirements

- Completion of secondary school is required.
- A university degree or college diploma in business or public administration may be required.
- Experience in a senior clerical or executive secretarial position related to office administration is usually required.
- Project management certification may be required by some employers.

Additional information

- Progression to administrative service management positions is possible with experience.

1222 Executive assistants

Executive assistants co-ordinate administrative procedures, public relations activities and research and analysis functions for members of legislative assemblies, ministers, deputy ministers, corporate officials and executives, committees and boards of directors. They are employed by governments, corporations and associations.

Illustrative example(s)

- committee clerk
- corporate secretary
- executive assistant
- legislative assistant

Exclusion(s)

- Administrative officers (1221)
- Conference and event planners (1226)
- Executive secretaries (see 1241 Administrative assistants)

Main duties

Executive assistants perform some or all of the following duties:

- Establish and co-ordinate administrative policies and procedures for officials, committees and boards of directors
- Analyze incoming and outgoing memoranda, submissions and reports and prepare and co-ordinate the preparation and submission of summary briefs and reports to executives, committees and boards of directors
- Prepare agendas and make arrangements for committee, board and other meetings
- Conduct research, compile data, and prepare papers for consideration and presentation by executives, committees and boards of directors
- Meet with individuals, special interest groups and others on behalf of executives, committees and boards of directors to discuss issues and assess and recommend various courses of action
- Liaise with departmental and corporate officials and with other organizations and associations on behalf of executives, committees and boards of directors.

Employment requirements

- Completion of secondary school is required.
- A bachelor's degree in public administration, political science or a related discipline is usually required.
- Experience in a related administrative occupation is usually required.

1223 Human resources and recruitment officers

Human resources and recruitment officers identify and advertise job vacancies, recruit candidates, and assist in the selection and reassignment of employees. They are employed throughout the private and public sectors.

Illustrative example(s)

- human resources officer
- personnel officer
- recruitment specialist

- staffing analyst
- staffing co-ordinator

Exclusion(s)

- Human resources managers (0112)
- Human resources professionals (1121)
- Personnel clerks (1415)
- Training officers and instructors (see 4021 College and other vocational instructors)

Main duties

Human resources and recruitment officers perform some or all of the following duties:

- Identify current and prospective staffing requirements, prepare and post notices and advertisements, and collect and screen applications
- Advise job applicants on employment requirements and on terms and conditions of employment
- Review candidate inventories and contact potential applicants to arrange interviews and arrange transfers, redeployment and placement of personnel
- Recruit graduates of colleges, universities and other educational institutions
- Co-ordinate and participate in selection and examination boards to evaluate candidates
- Notify applicants of results of selection process and prepare job offers
- Advise managers and employees on staffing policies and procedures
- Organize and administer staff consultation and grievance procedures
- Negotiate settlements of appeals and disputes and co-ordinate termination of employment process
- Determine eligibility to entitlements, arrange staff training and provide information or services such as employee assistance, counselling and recognition programs
- May supervise personnel clerks performing filing and record-keeping duties.

Employment requirements

- A university degree or college diploma in a field related to personnel management such as business administration, industrial relations, commerce or psychology
or
Completion of a professional development program in personnel administration is usually required.
- Certification as a Certified Human Resources Professional (CHRP) may be required.
- Some experience in a clerical or administrative position related to personnel administration may be required.

Additional information

- Progression to specialist and management positions is possible with experience.

1224 Property administrators

Property administrators perform administrative duties and co-ordinate activities related to the management and rental of investment property and real estate on behalf of property and strata property owners. They are employed by property, real estate and strata services management companies, property development companies and by government.

Illustrative example(s)

- accommodation officer
- apartment rental agent
- housing project manager
- leasing co-ordinator, property
- property administrator
- property rentals manager

Exclusion(s)

- Building superintendents (see 6733 Janitors, caretakers and building superintendents)
- Facility operation and maintenance managers (0714)

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- Real estate agents and salespersons (6232)

Main duties

Property administrators perform some or all of the following duties:

- Negotiate or approve rental or lease of various properties in a portfolio on behalf of property owners and ensure that terms of lease agreement are met
- Prepare and administer contracts for provision of property services, such as cleaning and maintenance, security services and alarm systems
- Co-ordinate the implementation of repairs, maintenance and renovations carried out on buildings and monitor progress and cost of work for property owners
- Compile and maintain records on operating expenses and income, prepare reports and review rents to ensure they are at market value
- Ensure that trouble calls received from clients or tenants are acted upon
- Administer damage deposits
- May hire and supervise rental agents, property clerks, building superintendents or other support staff performing operational, clerical or maintenance duties.

Employment requirements

- Completion of secondary school is required in all provinces and territories except for British Columbia.
- A language proficiency index is required in British Columbia.
- Property administrators must be a minimum of nineteen years of age in British Columbia.
- Completion of training courses or a vocational program in property or strata management or real estate may be required.
- Several years of administrative experience as a property clerk, contract clerk, or administrative officer are usually required.
- Strata property managers must hold a licence in British Columbia.

1225 Purchasing agents and officers

Purchasing agents and officers purchase general and specialized equipment, materials, land or access rights and business services for use or for further processing by their establishment. They are employed throughout the public and private sectors.

Illustrative example(s)

- contract management officer
- contracts officer
- energy asset surface land analyst
- materiel management officer
- procurement officer
- purchaser, furniture and furnishings
- purchasing agent
- supply officer, government

Exclusion(s)

- Purchasing and inventory control workers (1524)
- Purchasing managers (0113)
- Retail and wholesale buyers (6222)

Main duties

Purchasing agents and officers perform some or all of the following duties:

- Purchase general and specialized equipment, materials, land or access rights, or business services for use or for further processing by their establishment
- Assess requirements of an establishment and develop specifications for equipment, materials and supplies to be purchased
- Invite tenders, consult with suppliers and review quotations

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- Determine or negotiate contract terms and conditions, award supplier contracts or recommend contract awards
 - Establish logistics of delivery schedules, monitor progress and contact clients and suppliers to resolve problems
 - Negotiate land acquisition or access rights for public or private use, and may conduct field investigations of properties
 - May hire, train or supervise purchasing clerks.

Purchasing agents and officers may specialize in the purchase of particular materials or business services such as furniture or office equipment.

Employment requirements

- A bachelor's degree or college diploma in business administration, commerce or economics is usually required.
- Purchasing agents and officers purchasing specialized materials or business services may require a related university degree or college diploma. For example, a bachelor's degree or college diploma in engineering may be required for purchasers of industrial products.
- A certificate in purchasing from the Purchasing Management Association of Canada (PMAC) may be required.
- Previous experience as a purchasing clerk or as an administrative clerk may be required.
- Certification from the International Right of Way Association (IRWA) may be required.

Additional information

- Progression to managerial positions is possible with experience.

1226 Conference and event planners

Conference and event planners plan, organize and co-ordinate conferences, conventions, meetings, seminars, exhibitions, trade shows, festivals and other events. They are employed by tourism associations, trade and professional associations, convention and conference centres, governments and by conference and event planning companies, or they may be self-employed.

Illustrative example(s)

- conference and meeting planner
- conference planner
- conference services officer
- convention co-ordinator
- event planner
- festival organizer
- meeting planner
- special events organizer
- trade show planner

Exclusion(s)

- Administrative officers (1221)
- Executive assistants (1222)
- Professional occupations in advertising, marketing and public relations (1123)
- Sales and account representatives - wholesale trade (non-technical) (6411)

Main duties

Conference and event planners perform some or all of the following duties:

- Meet with trade and professional associations and other groups to promote and discuss conference, convention and trade show services
- Meet with sponsors and organizing committees to plan scope and format of events, to establish and monitor budgets and to review administrative procedures and progress of events

- Co-ordinate services for events, such as accommodation and transportation for participants, conference and other facilities, catering, signage, displays, translation, special needs requirements, audio-visual equipment, printing and security
- Organize registration of participants, prepare programs and promotional material, and publicize events
- Plan entertainment and social gatherings for participants
- Hire, train and supervise support staff required for events
- Ensure compliance with required by-laws
- Negotiate contracts for services, approve suppliers' invoices, maintain financial records, review final billing submitted to clients for events and prepare reports.

Employment requirements

- A university degree or college diploma in business, tourism or hospitality administration is usually required.
- Several years of experience in hospitality or tourism administration or in public relations are usually required and may substitute for formal education requirements.
- Certification relating to special events, meetings or conference management may be required.

1227 Court officers and justices of the peace

Court officers co-ordinate the administrative and procedural functions of federal, provincial and territorial courts, such as scheduling trials and overseeing the maintenance of court records. Justices of the peace administer oaths, issue subpoenas, summonses and warrants and perform other court-related duties such as conducting bail hearings. They are employed by federal and provincial courts.

Illustrative example(s)

- commissioner of affidavits
- commissioner of marriages
- co-ordinator of court services
- court administrator
- court clerk supervisor
- court officer
- court registrar
- deputy registrar - courts
- judicial administrator
- judicial court administrator
- judicial officer
- justice of the peace
- manager, court services
- registrar of bankruptcy
- Supreme Court registrar
- trial co-ordinator - courts

Exclusion(s)

- Administrative officers (1221)
- Court clerks (1416)
- Paralegal and related occupations (4211)
- Sheriffs and bailiffs (4421)

Main duties

Court officers perform some or all of the following duties:

- Co-ordinate administrative services and establish work priorities for court staff
- Schedule court trials and arrange pre-trial conferences and hearings
- Call courts of law to order, read charges and take pleas from defendants
- Record court commencement, trial proceedings and judgements
- Collect and record sheriff fees, transcription fees and other court administrative and services fees
- Oversee the maintenance of judicial court records
- Assist in preparing annual budgets

- May be justices of the peace.

Justices of the peace perform some or all of the following duties:

- Issue subpoenas, summonses and warrants, including search warrants
- Receive affidavits, declarations and affirmations
- Administer oaths
- Conduct bail hearings
- Release defendants on judges' orders and explain rights and obligations
- Hear evidence at trials on summary conviction offences and may preside over trials of criminal offences at the discretion of the chief judge of the jurisdiction or as provided for in federal, provincial or territorial statutes
- Perform civil marriages.

Employment requirements

- Court officers usually require a university degree in law, business or public administration or a college diploma in public administration or legal studies.
- Completion of a justice registrar, justice of the peace or other court training program is required for court officers and justices of the peace.
- Several years of experience as a court clerk or in another court service occupation are usually required.
- Justices of the peace in the provinces are appointed by the lieutenant governor in council and, in the territories, by federally appointed territorial commissioners.

Additional information

- Progression to senior positions such as senior court administrator is possible through experience.
- The duties and responsibilities of justices of the peace vary significantly depending on the level of their authority. They may be employed part-time on a fee-for-service basis in small communities. Their duties range from receiving affidavits and similar documents, to presiding in courts and hearing and determining prosecutions under provincial/territorial and federal laws.

1228 Employment insurance, immigration, border services and revenue officers

This unit group includes government officers who administer and enforce laws and regulations related to immigration, employment insurance, customs and tax revenue. They are employed by government agencies.

Illustrative example(s)

- border services officer
- customs inspector
- customs officer
- employment insurance agent
- employment insurance benefits control officer
- immigration agent - government services
- immigration examining officer
- revenue officer
- tax collection officer
- tax enforcement officer

Exclusion(s)

- Financial auditors and accountants (1111)
- Managers responsible for immigration or employment insurance (see 0411 Government managers - health and social policy development and program administration)
- Managers responsible for taxation revenue or customs (see 0412 Government managers - economic analysis, policy development and program administration)
- Other financial officers (1114)
- Social policy researchers, consultants and program officers (4164)

Main duties

Employment insurance officers perform some or all of the following duties:

- Determine the eligibility of persons applying for employment insurance benefits
- Ascertain the facts on such issues as reasons for loss of employment and availability for work
- Monitor the payments of benefits throughout the duration of a claim and investigate claimants when there appears to be fraud or abuse.

Immigration officers perform some or all of the following duties:

- Determine admissibility of persons seeking entry into Canada by examining documents and conducting interviews
- Grant landed-immigrant status, admit persons or order detention or deportation
- Locate and apprehend persons presumed to be infringing on immigration laws
- Assist in the removal of deported people by seeking authorization from receiving countries and securing necessary travel documents
- Appear as a witness in cases related to immigration appeals.

Border services officers and customs inspectors perform some or all of the following duties:

- Question persons at border points to determine the admissibility of goods and assess duty
- Inspect baggage to detect undeclared merchandise, or contraband
- Inform manufacturers and shippers of customs and laws and procedures
- Observe fabrication of articles affected by customs laws and conduct appraisals
- Board carriers arriving from foreign countries to determine nature of cargo to ensure compliance with customs and commerce laws
- Inspect goods imported by mail
- May arrest and detain individuals suspected of having committed a criminal offence under the Customs Act or certain other designated Criminal Code offences until police intervention is possible.

Excise tax revenue officers perform some or all of the following duties:

- Audit accounting records to determine income, exemptions, payable taxes, compliance with reporting regulations and existence of fraud
- Examine accounting systems and internal controls of organizations
- Provide advice on reporting and evaluation methods for goods subject to taxation
- Prepare briefs and assist in searching and seizing records, and in preparing charges for court cases.

Employment requirements

- A bachelor's degree or college diploma is usually required.
- Several years of related administrative or regulatory experience may be required.
- Completion of specialized government training is required.

Additional information

- Progression to managerial positions in these fields is possible with experience.

124 Office administrative assistants - general, legal and medical

1241 Administrative assistants

Administrative assistants perform a variety of administrative duties in support of managerial and professional employers. They are employed throughout the private and public sectors.

Illustrative example(s)

- administrative assistant
- executive secretary (except legal and medical)
- office administrative assistant
- private secretary
- secretary (except legal and medical)
- technical secretary

Exclusion(s)

- Court reporters, medical transcriptionists and related occupations (1251)
- Executive assistants (1222)

- Legal administrative assistants (1242)
- Medical administrative assistants (1243)
- Office managers (see 1221 Administrative officers)

Main duties

Administrative assistants perform some or all of the following duties:

- Prepare, key in, edit and proofread correspondence, invoices, presentations, brochures, publications, reports and related material from machine dictation and handwritten copy
- Open and distribute incoming regular and electronic mail and other material and co-ordinate the flow of information internally and with other departments and organizations
- Schedule and confirm appointments and meetings of employer
- Order office supplies and maintain inventory
- Answer telephone and electronic enquiries and relay telephone calls and messages
- Set up and maintain manual and computerized information filing systems
- Determine and establish office procedures
- Greet visitors, ascertain nature of business and direct visitors to employer or appropriate person
- Record and prepare minutes of meetings
- Arrange travel schedules and make reservations
- May compile data, statistics and other information to support research activities
- May supervise and train office staff in procedures and in use of current software.
- May organize conferences

Employment requirements

- Completion of secondary school is usually required.
- Completion of a one- or two-year college or other program for administrative assistants or secretaries or
Previous clerical experience is required.

1242 Legal administrative assistants

Legal administrative assistants perform a variety of secretarial and administrative duties in law offices, legal departments of large firms, real estate companies, land title offices, municipal, provincial and federal courts and government.

Illustrative example(s)

- administrative assistant - legal
- corporate law legal assistant
- legal assistant
- legal assistant - criminal law
- legal secretary
- litigation legal assistant
- litigation secretary
- real estate secretary

Exclusion(s)

- By-law clerks (see 1452 Correspondence, publication and regulatory clerks)
- Court recorders (see 1251 Court reporters, medical transcriptionists and related occupations)
- Paralegal and related occupations (4211)

Main duties

Legal administrative assistants perform some or all of the following duties:

- Prepare and key in correspondence and legal documents, such as deeds, wills, affidavits and briefs, from handwritten copy, shorthand and machine dictation using computers
- Review and proofread documents and correspondence to ensure compliance with legal procedures and grammatical usage
- Schedule appointments, meetings and conferences for employer

-
- Set up and maintain filing systems, utilizing knowledge of legal records and procedures and frequently controlling confidential materials and documents
 - Open and distribute regular and electronic incoming mail and other material and co-ordinate the flow of information internally and with other departments or organizations
 - Determine and establish office procedures and routines
 - May supervise and train other staff in procedures and in the use of current software
 - May attend court, meetings or conferences to take notes, minutes and dictation
 - May perform other general office work as required including preparing financial statements.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a one- or two-year college or other program for secretaries or legal secretaries is usually required.

1243 Medical administrative assistants

Medical administrative assistants perform a variety of secretarial and administrative duties in doctor's offices, hospitals, medical clinics and other medical settings.

Illustrative example(s)

- administrative assistant - medical
- medical secretary
- ward secretary

Exclusion(s)

- Health information management occupations (1252)
- Medical records clerks (see 1411 General office support workers)
- Medical transcriptionists (see 1251 Court reporters, medical transcriptionists and related occupations)

Main duties

Medical secretaries perform some or all of the following duties:

- Schedule and confirm medical appointments and receive and communicate messages for medical staff and patients
- Enter and format electronically based medical reports and correspondence and prepare spreadsheets and documents for review
- Interview patients in order to complete forms, documents and case histories
- Complete insurance and other claim forms
- Initiate and maintain confidential medical files and records
- Prepare draft agendas for meetings and take, transcribe and distribute minutes
- Prepare financial statements and billing
- Establish and maintain various internal office administrative support procedures such as document tracking and filing and monthly reporting
- Order supplies and maintain inventory
- Determine and establish office procedures and routines
- May supervise and train other staff in procedures and in use of current software.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a one- or two-year college program or other specialized courses for secretaries or medical secretaries is usually required.

125 Court reporters, transcriptionists, records management technicians and statistical officers

1251 Court reporters, medical transcriptionists and related occupations

Court reporters record and transcribe verbatim the proceedings of courts, legislative assemblies and committees, and prepare transcripts for use by judges, tribunals and quasi-judicial panels. They are employed by courts of law, provincial and federal legislative assemblies and committees, or they may be self-employed. Medical transcriptionists record, transcribe and edit dictation by physicians and other health care providers, surgical proceedings, health-related reports and other medical documentation. They are employed by hospitals, medical clinics and doctors' offices, or they may be self-employed. Closed captioners and other transcriptionists are included in this unit group.

Illustrative example(s)

- closed captioner
- court reporter
- Hansard reporter
- medical transcriptionist
- transcriptionist

Exclusion(s)

- Legal administrative assistants (1242)
- Medical administrative assistants (1243)

Main duties

Court reporters perform some or all of the following duties:

- Record verbatim proceedings of courtroom using electronic stenograph machine or stenomask
- Respond to requests during court sessions to read back verbatim evidence
- Transcribe recorded proceedings in accordance with established formats
- Verify accuracy of transcripts by checking copy against original record of proceedings and accuracy of rulings by checking with judge
- Research and locate quotes to ensure accuracy
- Respond to requests for transcripts ordered by judges, lawyers or the public
- File and store shorthand notes of court session.

Medical transcriptionists perform some or all of the following duties:

- Transcribe recorded dictation in accordance with established formats or written documentation from medical reports, correspondence, health records and patient information
- Proofread work for typographical and grammatical errors.
- Edit transcripts for missing or incorrect content and formatting

Employment requirements

- Court reporters require completion of secondary school and usually require completion of a college or other program in court reporting. They may also require the Chartered Shorthand Reporter (CSR) certificate.
- Medical transcriptionists require completion of secondary school and usually require completion of a recognized medical transcription program. They may also require the Certified Medical Transcriptionist (CMT) certificate.

Additional information

- There is some mobility between occupations in this unit group and other occupations requiring similar knowledge of legal or medical terminology, such as legal or medical administrative positions.

1252 Health information management occupations

Health information management technicians and related workers collect, code, record, review and manage health information. They are employed by hospitals, clinics, workplace health and safety boards, health record consulting firms and other health care establishments. Health information management technicians and related workers who are supervisors are included in this unit group.

Illustrative example(s)

- health information management supervisor
- health information management technician
- health records technician
- medical records unit supervisor

Exclusion(s)

- Health information management consultants (see 1122 Professional occupations in business management consulting)
- Health records administrators (see 0114 Other administrative services managers)
- Health records clerks (see 1411 General office support workers)
- Records management technicians (1253)

Main duties

Health information management technicians and related workers perform some or all of the following duties:

- Classify and code diseases according to an established classification system
- Collect, code, cross-reference and store health records and related information
- Abstract, assemble and analyze clinical data and related demographic information from health records according to established policies and procedures
- Operate information systems to maintain indexes for classification systems and to manage and retrieve health records information
- Prepare medical, social and administrative statistics
- May supervise other health information management technicians and related workers.

Employment requirements

- Health information management technicians and related workers require completion of a recognized two year college diploma program in health record technology or health information management.
- Health information management technicians and related workers are eligible to write the Canadian Health Information Management Association national certification examination which may be required by employers.

Additional information

- Progression to supervisory positions is possible with experience.
- Progression to management positions is possible with additional training and experience.

1253 Records management technicians

Records management technicians operate and maintain systems for the collection, classification, retrieval and retention of records, images, documents and information. Records management technicians are employed throughout the private and public sectors.

Illustrative example(s)

- information management technician
- microfilm records searcher
- records classifier
- records digitizing technician
- records technician

Exclusion(s)

- Health information management occupations (1252)
- Health records clerks (see 1411 General office support workers)
- Library and public archive technicians (5211)
- Records management specialists (see 1122 Professional occupations in business management consulting)
- Records management supervisors (see 1211 Supervisors, general office and administrative support workers)

Main duties

Records management technicians perform some or all of the following duties:

- Implement and update records classification, retention and disposal scheduling plans
- Classify, code, cross-reference, log and store records
- Develop document inventories and maintain indexes for classification systems
- Operate information retrieval systems to research and extract records according to established guidelines in response to requests
- Label, prepare and transfer information files according to established records management life-cycle procedures and schedules
- Maintain access lists for security classified records
- Compile statistics and reports on activities within records management services.

Employment requirements

- Records management technicians usually require completion of a two- to three-year college program in information or records management technology.
- Two to three years experience in a records management environment may be required.

Additional information

- Progression to supervisory positions is possible with additional training and experience.

1254 Statistical officers and related research support occupations

Statistical officers and related research support occupations in this unit group provide statistical and research support services to a wide range of businesses and organizations. These workers conduct statistical routines, monitor trends, compile data and prepare charts, graphs, summaries and reports in support of organizational information needs and research activities. They are employed throughout the private and public sectors. Statistical officers who are also supervisors are included in this unit group.

Illustrative example(s)

- research assistant - generalist (except university)
- research support officer
- social research assistant (except university)
- statistical officer
- technical research assistant (except post-secondary)

Exclusion(s)

- Data entry clerks (1422)
- Mathematicians, statisticians and actuaries (2161)
- Policy and program researchers, consultants and officers (416)
- Survey interviewers and statistical clerks (1454)

Main duties

Statistical officers and related research support workers perform some or all of the following duties:

- Compile tables, charts, graphs and summarized statistics for integration in research papers and reports
- Process data using statistical software to conduct basic analyses of trends in support of research activities
- Collect, consolidate, cross-tabulate and format data from various sources to prepare draft reports for review by supervisors or researchers

- Assist in collection and tracking of data from monitored use of services and provide information to management and client groups
- May prepare technical documents and monitoring reports on volumetrics and other trend analyses
- May supervise statistical and research support workers.

Employment requirements

- Completion of secondary school is required. A college diploma or undergraduate degree in a social science, commerce, statistics or a related field is usually required.

Additional information

- Progression to supervisory positions is possible with experience. Progression to professional occupations in statistics and research usually requires completion of a post-graduate degree.

13 Finance, insurance and related business administrative occupations

131 Finance, insurance and related business administrative occupations

1311 Accounting technicians and bookkeepers

Accounting technicians and bookkeepers maintain complete sets of books, keep records of accounts, verify the procedures used for recording financial transactions, and provide personal bookkeeping services. They are employed throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- accounting bookkeeper
- accounting technician
- bookkeeper

Exclusion(s)

- Accounting and related clerks (1431)
- Banking, insurance and other financial clerks (1434)
- Financial auditors and accountants (1111)
- Payroll clerks (1432)

Main duties

Accounting technicians and bookkeepers perform some or all of the following duties:

- Keep financial records and establish, maintain and balance various accounts using manual and computerized bookkeeping systems
- Post journal entries and reconcile accounts, prepare trial balance of books, maintain general ledgers and prepare financial statements
- Calculate and prepare cheques for payrolls and for utility, tax and other bills
- Complete and submit tax remittance forms, workers' compensation forms, pension contribution forms and other government documents
- Prepare tax returns and perform other personal bookkeeping services
- Prepare other statistical, financial and accounting reports.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in accounting, bookkeeping or a related field
or
Completion of two years (first level) of a recognized professional accounting program (e.g., Chartered Accounting, Certified General Accounting)
or
Courses in accounting or bookkeeping combined with several years of experience as a financial or accounting clerk are required.

Additional information

- Progression to professional accounting occupations is possible with additional training.

1312 Insurance adjusters and claims examiners

Insurance adjusters investigate insurance claims and determine the amount of loss or damages covered by insurance policies. They are employed in claims departments of insurance companies or as independent adjusters. Insurance claims examiners examine claims investigated by insurance adjusters and authorize payments. They are employed at head offices or branches of insurance companies.

Illustrative example(s)

- adjuster
- claims examiner
- claims representative
- insurance adjuster

Exclusion(s)

- Supervisors, finance and insurance office workers (1212)

Main duties

Insurance adjusters perform some or all of the following duties:

- Investigate circumstances surrounding insurance claims to determine validity of claim
- Inspect automobile, home or other property damage
- Take statements and consult with claimants, accident witnesses, doctors and other relevant individuals and examine records or reports
- Determine amount of loss or damages covered by insurance policies
- Negotiate settlement of claims
- Prepare adjustment reports.

Insurance claims examiners perform some or all of the following duties:

- Review, examine, calculate and authorize insurance claims investigated by insurance adjusters
- Examine adjusters' reports and similar insurance claims or precedents to determine extent of insurance coverage
- Ensure claims are valid and settlements are made according to company practices and procedures
- Consult lawyers, doctors or other relevant individuals to discuss insurance claims
- Approve automobile, fire, life, disability, dental or other insurance claims.

Employment requirements

- Completion of secondary school is required.
- A bachelor's degree, college diploma or some post-secondary education
or
Several years of experience as a clerk in the claims department or other general insurance experience are required.
- Several years of on-the-job training and completion of insurance industry courses and training programs are required.
- Independent adjusters require a provincial licence issued by the Superintendent of Insurance in the province or territory of employment.

Additional information

- Completion of educational programs through the Insurance Institute of Canada or its provincial counterparts entitles insurance adjusters and claims examiners to professional recognition as a Chartered Insurance Professional (CIP), and with additional university courses, as a Fellow Chartered Insurance Professional (FCIP).

1313 Insurance underwriters

Insurance underwriters review and evaluate insurance applications to determine insurance risks, insurance premiums and extent of insurance coverage according to company policies. Insurance underwriters are employed at head and branch offices of insurance companies.

Illustrative example(s)

- group underwriter
- insurance underwriter
- liability underwriter
- property underwriter

Exclusion(s)

- Insurance agents and brokers (6231)
- Insurance managers (see 0121 Insurance, real estate and financial brokerage managers)

Main duties

Insurance underwriters perform some or all of the following duties:

- Review individual and group applications for automobile, fire, health, liability, life, property, marine, aircraft and other insurance
- Evaluate new and renewal applications to determine insurance risks, insurance premiums, extent of insurance coverage and other conditions of the insurance contract using medical reports, rate tables and other documents and reference materials; adjust premiums, coverage or risk itself to make acceptance of new and renewal applications possible
- Approve sale of insurance policies and ensure compliance with government regulations
- Provide recommendations on individual or group insurance plan designs
- Provide underwriting advice and answer inquiries from clients and from insurance agents, consultants and other company personnel
- Prepare underwriting reports and update insurance forms when necessary.

Employment requirements

- Completion of secondary school and some general insurance experience
or
A bachelor's degree, college diploma or some post-secondary education is required.
- Several years of on-the-job training and completion of insurance industry underwriting courses and training programs are required.

Additional information

- Progression to management positions in the insurance industry is possible with experience.
- Completion of educational programs through the Insurance Institute of Canada or its provincial counterparts entitles insurance underwriters to professional recognition as a Chartered Insurance Professional (CIP) and, with additional university courses, as a Fellow, Chartered Insurance Professional (FCIP).

1314 Assessors, valuers and appraisers

Assessors, valuers and appraisers determine the value of land, businesses, estates and other real property, for purposes of sale, purchase, taxation or disposal of assets. Appraisers also determine the value of personal and household items. Assessors, valuers and appraisers are employed by government agencies, real estate firms and other private companies, or they may be self-employed.

Illustrative example(s)

- accredited appraiser
- business valuator
- chartered business valuator (CBV)
- property assessor

-
- property valuator
 - real estate appraiser

Exclusion(s)

- Financial and investment analysts (1112)
- Financial auditors and accountants (1111)
- Insurance adjusters and claims examiners (1312)
- Jewellery appraisers (see 6344 Jewellers, jewellery and watch repairers and related occupations)
- Land agents and right of way agents (see 1225 Purchasing agents and officers)
- Market analysts (see 4163 Business development officers and marketing researchers and consultants)
- Property administrators (1224)

Main duties

Assessors perform some or all of the following duties:

- Assess value of land, building, structures, machinery, equipment and property improvements for purposes of taxation, grants and regional planning and prior to sale or purchase
- Review and analyze data such as past sales, title searches, engineering and alignment maps, soil maps, subdivision plans, water and sewer plans, leasing cost data and easements
- Explain assessment process to ratepayers.

Assessors may specialize in advising and consulting in a specific field of assessment such as residential, commercial, industrial, institutional or farm lands.

Valuators perform some or all of the following duties:

- Collect and analyze financial records of a business, such as financial statements, budgets, projections and sales data, to assess its competitiveness or to estimate its market value
- Prepare reports for estate planning, matrimonial litigation, insurance and business losses
- Appear as an expert witness before courts, security regulators and other regulatory boards and commissions.

Appraisers perform some or all of the following duties:

- Appraise value of property, building, industrial and commercial machinery and equipment and personal and household items
- Prepare appraisal reports for lending agencies, insurance companies, government departments, courts, attorneys, creditors, buyers or auctioneers.

Appraisers may specialize in a specific type of appraisal such as real estate appraisal.

Employment requirements

- Assessors require a college diploma in municipal assessment and Accreditation with the municipal assessment association of the province.
- Valuators usually require a bachelor's degree or college diploma in accounting, business or commerce and Accreditation with the Canadian Institute of Chartered Business Valuators based on successful completion of its business and security valuation program.
- Appraisers require a college diploma or vocational training in the field of appraisal or Several years of experience in a position related to the field of appraisal.
- In Quebec, membership with l'Ordre des évaluateurs agréés du Québec (OEAQ) is required to use the title chartered appraiser
- Real estate appraisers usually require several years of experience as a real estate agent, right-of-way agent or property administrator and may require Canadian residential appraiser certification.
- Appraisers of residential, commercial or industrial property require accreditation with the Appraisal Institute of Canada.

Additional information

- Progression to management positions in each field is possible with experience.

1315 Customs, ship and other brokers

Customs brokers clear goods through customs and to their destination on behalf of importer and exporter clients. Shipbrokers buy and sell cargo space on ships and buy and sell ships, yachts and other watercraft on behalf of clients. This unit group also includes other brokers, not elsewhere classified, who negotiate commercial transactions, logistics or other services between parties on behalf of clients. They are employed by customs, ship or other brokerage establishments or may be self-employed.

Illustrative example(s)

- cargo broker
- chartered shipbroker
- customs broker
- gas broker
- licensed customs broker
- shipbroker

Exclusion(s)

- Insurance brokers (see 6231 Insurance agents and brokers)
- Insurance, real estate and financial brokerage managers (0121)
- Securities agents, investment dealers and brokers (1113)

Main duties

Customs brokers perform some or all of the following duties:

- Prepare and process import/export documents and other forms on behalf of clients according to customs regulations, laws and procedures
- Sign import/export documents on behalf of client, using power of attorney
- Arrange for payment of duties, taxes, storage and transportation of imported goods and bonds to cover duty goods
- Quote duty and tax rates on commodities for clients
- Provide advice to clients on export and import restrictions, tariff systems, letters of credit, insurance requirements and other custom related matters
- May represent client before administrative tribunals or in other dealings with government officials.

Shipbrokers perform some or all of the following duties:

- Buy and sell cargo space on ships on behalf of individuals, companies and governments
- Consult trade publications and other sources to provide information to clients on available cargo space, destinations, rates and departure locations and times, and arrange ship charters for clients
- Negotiate rates and terms and prepare contracts and other papers
- Buy and sell ships, yachts and other watercraft on behalf of clients
- Inspect vessels, explain features and negotiate price when purchasing or selling for clients
- Arrange for insurance coverage for cargo or for ships
- Arrange for registration and licensing of ships.

Employment requirements

- Completion of secondary school is required.
- Some post-secondary education in commerce or a related field may be required.
- Customs brokers require several years of on-the-job training and completion of a customs brokers training program through the International Federation of Customs Brokers Association.
- A customs broker licence, issued by the Canada Border Services Agency, is required for an individual or company to operate a customs brokerage business.
- Shipbrokers selling cargo space on ships usually require several years of on-the-job training or related experience such as shipping company scheduling experience. Shipbrokers selling watercraft usually require in-depth experience with, and knowledge of, various watercraft.
- Correspondence courses from the Institute of Chartered Shipbrokers are available for shipbrokers.

Additional information

- There is no mobility between the different types of brokers in this unit group.

14 Office support occupations

141 General office workers

1411 General office support workers

General office support workers prepare correspondence, reports, statements and other material, operate office equipment, answer telephones, verify, record and process forms and documents such as contracts and requisitions and perform general clerical duties according to established procedures. They are employed in offices throughout the public and private sectors.

Illustrative example(s)

- administrative clerk
- aircraft records clerk
- file and classification clerk
- filing clerk
- general office worker
- medical records clerk
- office assistant
- office clerk
- records filing-system clerk
- technical records clerk
- ward clerk - hospital
- warranty clerk

Exclusion(s)

- Accounting and related clerks (1431)
- Administrative assistants (1241)
- Administrative officers (1221)
- Court clerks (1416)
- Data entry clerks (1422)
- Personnel clerks (1415)
- Receptionists (1414)
- Records management technicians (1253)
- Supervisors, general office and administrative support workers (1211)

Main duties

General office support workers perform some or all of the following duties:

- Prepare correspondence, reports, statements, forms, presentations, applications and other documents from notes or dictaphone
- Respond to telephone, in person or electronic enquiries or forward to appropriate person
- Provide general information to staff, clients and the public regarding company or program rules, regulations and procedures
- Photocopy and collate documents for distribution, mailing and filing
- Sort and file documents according to established filing systems, locate and retrieve documents from files as requested and maintain records of filed and removed materials
- Maintain and prepare reports from manual or electronic files, inventories, mailing lists and databases
- Process incoming and outgoing mail, manually or electronically
- Send and receive messages and documents using fax machine or electronic mail
- Assist with administrative procedures such as budget submissions, contracts administration and work schedules
- Maintain inventory of office supplies, order supplies as required and arrange for servicing of office equipment
- May perform basic bookkeeping tasks such as preparing invoices and bank deposits
- May sort, process and verify receipts, expenditures, forms and other documents
- May organize the flow of work for other office support workers.

Employment requirements

- Completion of secondary school is usually required.
- Completion of secondary school or college business or commercial courses is usually required.

Additional information

- Progression to supervisory or office management positions is possible with experience.
- Progression to officer level positions is possible with additional training and experience.

1414 Receptionists

Receptionists greet people arriving at offices, hospitals and other establishments, direct visitors to appropriate person or service, answer and forward telephone calls, take messages, schedule appointments and perform other clerical duties. They are employed by hospitals, medical and dental offices and in other offices throughout the public and private sectors. Telephone operators are included in this group.

Illustrative example(s)

- answering service operator
- appointment clerk
- business receptionist
- dental receptionist
- hospital admitting clerk
- medical receptionist
- office reception clerk
- receptionist
- switchboard operator
- telephone operator
- telephone service assistant
- telereceptionist
- toll operator

Exclusion(s)

- 911 dispatchers (see 1525 Dispatchers)
- Hotel front desk clerks (6525)
- Other customer and information services representatives (6552)
- Supervisors, general office and administrative support workers (1211)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Receptionists greet people coming into offices and other establishments, direct them to the appropriate contacts or services, provide general information in person and by phone, and may perform clerical duties and maintain front desk security and security access lists.
- Medical and dental receptionists greet patients, schedule appointments, using manual or computerized systems, receive and record payment for services, and direct patients to appropriate areas.
- Hospital admitting clerks interview patients to obtain and process information required to provide hospital and medical services.
- Telephone operators operate telephone systems to advance and complete customers' telephone calls such as long distance, pay telephone, mobile radio/telephone and person to person calls, arrange teleconferences, provide relay phone service to persons with disabilities, and may calculate and record billing information.
- Switchboard operators operate a telephone system or switchboard to answer, screen and forward telephone calls, take messages and provide information as required, and may perform clerical duties.
- Answering service operators answer telephones and record and relay messages.
- Reception desk clerks in a variety of institutional and commercial settings direct customers to appropriate areas, record bookings, handle credit card checks, receive payment, issue receipts, arrange tour reservations and deal with emergency situations.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training may be provided.

Additional information

- Some receptionists are required to be bilingual or multilingual to perform their duties.
- Progression to supervisory positions is possible with experience.

1415 Personnel clerks

Personnel clerks assist personnel officers and human resources specialists and compile, maintain and process information relating to staffing, recruitment, training, labour relations, performance evaluations and classifications. They are employed in personnel departments throughout the private and public sectors.

Illustrative example(s)

- classification clerk - human resources
- employment clerk
- human resources assistant
- human resources clerk
- labour relations clerk
- personnel services clerk
- staffing clerk
- training clerk

Exclusion(s)

- Human resources and recruitment officers (1223)
- Human resources professionals (1121)
- Payroll clerks (1432)
- Supervisors, general office and administrative support workers (1211)

Main duties

Personnel clerks perform some or all of the following duties:

- Process, verify and register documentation relating to personnel activities such as staffing, recruitment, training, grievances, performance evaluations and classifications
- Maintain and update manual and computerized filing and registration systems, and compile and prepare reports and documents relating to personnel activities
- Respond to telephone and written enquiries from staff and the general public regarding personnel matters
- Arrange for advertising or posting of job vacancies, assist in screening and rating of job applicants, and conduct reference checks
- Administer and score employment tests, such as keyboarding and proofreading tests
- Arrange for in-house and external training activities.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college or other courses in personnel administration may be required.
- Some clerical experience may be required.

Additional information

- Progression to supervisory positions is possible with experience.
- Progression to officer level positions is possible with additional training and experience.

1416 Court clerks

This unit group includes those who perform support functions in courts of law, such as calling court to order, preparing court dockets and maintaining exhibits. Court clerks are employed by federal, provincial and municipal courts.

Illustrative example(s)

- court clerk
- court clerk-crier
- criminal court clerk
- judicial clerk
- provincial court clerk

Exclusion(s)

- Court officers and justices of the peace (1227)
- Court reporters, medical transcriptionists and related occupations (1251)

Main duties

Court clerks perform some or all of the following duties:

- Call courts of law to order; read charges; take pleas from defendants; swear in witnesses and perform other clerical functions in the courtrooms
- Prepare court files, court dockets and other documents
- Record main court proceedings, including pleas, names of witnesses, dates, times and rulings
- Manage care and custody of court exhibits
- Prepare documents for and participate in jury selection
- Update and maintain court office paper and electronic indexes and files on actions taken by court or in response to court decisions
- Receive, disburse and account for fines, fees and trust monies
- Assist the public in court offices.

Employment requirements

- Completion of secondary school is required.
- On-the-job training is provided.

Additional information

- Progression to supervisory or court officer positions is possible with experience.

142 Office equipment operators

1422 Data entry clerks

Data entry clerks input coded, statistical, financial and other information into computerized databases, spreadsheets or other templates using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools. They are employed in the private and public sectors.

Illustrative example(s)

- data control clerk
- data entry operator
- data input clerk
- data processor
- payment entry clerk

Exclusion(s)

- General office support workers (1411)
- Supervisors, general office and administrative support workers (1211)

Main duties

Data entry clerks perform some or all of the following duties:

- Receive and register invoices, forms, records and other documents for data capture
- Input data into computerized databases, spreadsheets or other templates using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools
- Import and/or export data between different kinds of software

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- Verify accuracy and completeness of data
 - Identify, label and organize electronic storage media
 - Maintain libraries of electronic storage media.

Employment requirements

- Completion of secondary school may be required.
- College or other courses in data entry may be required.

Additional information

- Progression to senior positions is possible with experience.

1423 Desktop publishing operators and related occupations

Desktop publishing operators use computers to enter copy into a typesetting system or operate typesetting output equipment to produce text that is ready to print. They are employed by firms that specialize in typesetting, commercial printing companies, publishing and printing companies and various establishments in the public and private sectors that have in-house printing departments.

Illustrative example(s)

- braille keyboard operator
- compositor - typesetting
- computer typesetter
- copy marker - typesetting
- desktop compositor
- desktop publishing (DTP) operator
- input operator - typesetting
- markup person
- output operator - typesetting
- photocomposition typesetter
- phototypesetter operator
- typographer

Exclusion(s)

- Copy stylists, mechanical artists and paste-up artists (see 5223 Graphic arts technicians)
- Desktop publishing operator supervisors (see 1211 Supervisors, general office and administrative support workers)
- Graphic designers and illustrators (5241)
- Pre-flight and file preparation operators (see 9472 Camera, platemaking and other prepress occupations)
- Proofreaders (see 1452 Correspondence, publication and regulatory clerks)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Desktop publishing operators operate desktop publishing software and equipment to design, lay out and produce camera-ready copy and may perform pre-flight operator duties.
- Markup persons mark copy with computer codes and typographic instructions before it is typeset.
- Typesetting input operators input copy, codes or commands and subsequent corrections into typesetting device or system; operate media conversion equipment to process and format copy transmitted through telecommunications.
- Typesetting output operators operate and tend typesetting output devices, load and process photosensitive material and perform routine maintenance.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in graphic arts, or other training in typography, computer typesetting or desktop publishing, is usually required.

Additional information

- Progression to supervisory positions is possible through experience.

143 Financial, insurance and related administrative support workers**1431 Accounting and related clerks**

Accounting and related clerks calculate, prepare and process bills, invoices, accounts payable and receivable, budgets and other financial records according to established procedures. They are employed throughout the private and public sectors.

Illustrative example(s)

- accounting clerk
- accounts payable clerk
- accounts receivable clerk
- audit clerk
- billing clerk
- budget clerk
- costing clerk
- deposit clerk
- finance clerk
- freight-rate clerk
- income tax return preparer
- invoice clerk
- ledger clerk
- tax clerk

Exclusion(s)

- Accounting technicians and bookkeepers (1311)
- Banking, insurance and other financial clerks (1434)
- Collectors (1435)
- Financial auditors and accountants (1111)
- Payroll clerks (1432)
- Supervisors, finance and insurance office workers (1212)

Main duties

Accounting and related clerks perform some or all of the following duties:

- Calculate, prepare and issue documents related to accounts such as bills, invoices, inventory reports, account statements and other financial statements using computerized and manual systems
- Code, total, batch, enter, verify and reconcile transactions such as accounts payable and receivable, payroll, purchase orders, cheques, invoices, cheque requisitions, and bank statements in a ledger or computer system
- Compile budget data and documents based on estimated revenues and expenses and previous budgets
- Prepare period or cost statements or reports
- Calculate costs of materials, overhead and other expenses based on estimates, quotations, and price lists
- Respond to customer inquiries, maintain good customer relations and solve problems
- Perform related clerical duties, such as word processing, maintaining filing and record systems, faxing and photocopying.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college or other courses certified by the Certified General Accountants Association of Canada, Canadian Securities Institute or Canadian Bookkeepers Association may be required.
- Some accounting clerks must be bondable.

Additional information

- Progression to supervisory or skilled financial occupations, such as accounts payable supervisor, bookkeeper or office manager is possible with additional training and experience.

1432 Payroll clerks

Payroll clerks collect, verify and process payroll information and determine pay and benefit entitlements for employees within a department, company or other establishment. They are employed by payroll administration companies and by establishments throughout the private and public sectors.

Illustrative example(s)

- benefits officer
- pay advisor
- pay and benefits administrator
- pay and benefits clerk
- pay clerk
- payroll clerk
- payroll officer
- salary administration officer

Exclusion(s)

- Human resources and recruitment officers (1223)
- Personnel clerks (1415)
- Supervisors of payroll clerks (see 1212 Supervisors, finance and insurance office workers)

Main duties

Payroll clerks perform some or all of the following duties:

- Maintain records of employee attendance, leave and overtime to calculate pay and benefit entitlements, in Canadian and other currencies, using manual or computerized systems
- Prepare and verify statements of earnings for employees, indicating gross and net salaries and deductions such as taxes, union dues, garnishments and insurance and pension plans
- Prepare employee payments and benefit payments by cheque or electronic transfer
- Complete, verify and process forms and documentation for administration of benefits such as pension plans, leaves, share savings, employment and medical insurance
- Prepare T4 statements and other statements
- Provide information to employees on payroll matters, benefit plans and collective agreement provisions
- Compile statistical reports, statements, and summaries related to pay and benefits accounts
- Prepare and balance period-end reports and reconcile issued payrolls to bank statements.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college or other courses in accounting, bookkeeping or payroll administration or
Experience as a financial clerk is usually required.
- Payroll association certification may be required.

Additional information

- Progression to supervisory positions is possible with experience.

1434 Banking, insurance and other financial clerks

Banking, insurance and other financial clerks compile, process and maintain banking, insurance and other financial information. They are employed by banks, credit companies, private and public insurance establishments, investment firms and other financial establishments throughout the private and public sectors.

Illustrative example(s)

- actuarial clerk
- bank clerk
- credit clerk
- dental claims clerk
- dividend calculation clerk
- insurance clerk - financial sector
- insurance rater
- ledger control clerk
- loan clerk - financial sector
- mortgage clerk
- premium rater - insurance
- real estate clerk
- securities clerk - financial sector

Exclusion(s)

- Accounting technicians and bookkeepers (1311)
- Customer services representatives - financial institutions (6551)
- Supervisors, finance and insurance office workers (1212)

Main duties

Bank clerks perform some or all of the following duties:

- Compile records of deposits, withdrawals, loan and mortgage payments, cheques and purchase, sale and exchange of securities
- Process loan and mortgage applications, loan and mortgage payments, retirement savings plan applications, term deposits, drafts and money orders
- Verify and balance automatic teller machine transactions and ledger entries, calculate service charges and interest payments and notify customers regarding account discrepancies and captured bank cards
- Answer enquiries and provide information on banking products, policies and services
- May sell drafts, money orders, travellers' cheques and foreign currency, rent safety deposit boxes and open and close savings, chequing and other accounts.

Insurance clerks perform some or all of the following duties:

- Process enrolments, cancellations, claims transactions, policy changes and premium payments
- Review insurance applications and verify insurance coverage, premiums paid and other insurance information
- Calculate insurance premiums, pension benefits and annuity payments
- Compile and maintain claims data, rates and insurance data and records
- Answer enquiries and provide information on insurance products, policies and services.

Other financial clerks in this unit group perform some or all of the following duties:

- Compile and maintain rental, sale and other real estate listings
- Compile and maintain stock, bond and other securities listings
- Sort, verify and process real estate, securities and other financial transactions
- Answer enquiries and reply to correspondence.

Employment requirements

- Completion of secondary school is required.
- A business college diploma may be required.
- On-the-job training and short-term training courses or programs specific to the financial establishment are usually required.

Additional information

- Progression to supervisory positions is possible with experience.

1435 Collectors

Collectors collect payments on overdue accounts and bad cheques and locate debtors to make collection arrangements. They are employed by collection agencies, utility companies, department stores, loan companies, banks and credit unions, and by financial and licensing departments within governments.

Illustrative example(s)

- bill collector
- collection clerk
- collection officer (except taxation)
- collections investigation officer
- collector
- credit and collection clerk
- locator - collection
- skip tracer - collection

Exclusion(s)

- Accounts receivable clerks (see 1431 Accounting and related clerks)
- Collections supervisors (see 1212 Supervisors, finance and insurance office workers)
- Tax collection officers (see 1228 Employment insurance, immigration, border services and revenue officers)

Main duties

Collectors perform some or all of the following duties:

- Notify debtors of overdue payments and accounts by telephone, mail, and registered mail, and continue the notification process if reply is not received
- Resolve collection issues by making payment arrangements by telephone or visit to debtor
- Recommend further action or discontinuation of service in cases where payment is not forthcoming
- Trace and locate debtors, and may contact debtors' friends, neighbours, relatives and employers to obtain information
- Answer correspondence, prepare reports and maintain records and files related to collection work
- May work with on-line accounts and systems.

Employment requirements

- Completion of secondary school is required.
- A business college diploma may be required.
- A period of on-the-job training is often provided for collection clerks and collection officers.
- A collections licence issued by the province or territory of employment is usually required.

Additional information

- Progression to senior or supervisory positions is possible with experience.

145 Library, correspondence and other clerks

1451 Library assistants and clerks

Library assistants and clerks issue and receive library materials, sort and shelve books and provide general library information to users. They also perform clerical functions. Library clerks are employed by libraries or other establishments with library services.

Illustrative example(s)

- circulation clerk - library
- interlibrary loan clerk
- library assistant
- library page
- periodicals clerk

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- reference clerk
 - shelving clerk - library

Exclusion(s)

- Librarians (5111)
- Library technicians (see 5211 Library and public archive technicians)
- Supervisors, library, correspondence and related information workers (1213)

Main duties

Library assistants and clerks perform some or all of the following duties:

- Issue and receive library books and other materials
- Sort and reshelve books and other library materials
- Perform clerical activities such as manual and electronic filing and record payments received
- Maintain journal subscriptions
- Assist library users in accessing library materials and online resources, and in making interlibrary loans.

Employment requirements

- Completion of secondary school is usually required.

Additional information

- Progression to more senior positions is possible with experience and post-secondary education related to library science.

1452 Correspondence, publication and regulatory clerks

Clerks in this unit group write correspondence, proofread material for accuracy, compile material for publication, verify, record and process forms and documents, such as applications, licences, permits, contracts, registrations and requisitions, and perform other related clerical duties in accordance with established procedures, guidelines and schedules. They are employed by newspapers, periodicals, publishing firms and by establishments throughout the private and public sectors.

Illustrative example(s)

- advertising clerk
- application clerk
- authorization clerk
- by-law clerk
- classified advertising clerk
- contract clerk
- correspondence clerk
- customs clerk
- directory compiler
- documentation clerk
- editorial assistant
- import clerk
- licence clerk
- passport clerk
- press clipper
- proofreader
- publication clerk
- reader
- registration clerk
- registry clerk
- translation clerk

Exclusion(s)

- Professional occupations in advertising, marketing and public relations (1123)

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- Supervisors, library, correspondence and related information workers (1213)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Classified advertising clerks receive customers' orders for classified advertising, write and edit copy, calculate advertising costs and bill customers.
- Correspondence clerks write business and government correspondence such as replies to requests for information and assistance, damage claims, credit and billing enquiries and service complaints.
- Editorial assistants and publication clerks assist in the preparation of periodicals, advertisements, catalogues, directories and other material for publication; proofread material; verify facts and conduct research.
- Proofreaders read material prior to publication to detect and mark for correction any grammatical, typographical or compositional errors within tight deadlines.
- Readers and press clippers read newspapers, magazines, press releases and other publications to locate and file articles of interest to staff and clients.
- Regulatory clerks compile, verify, record and process applications, licences, permits, contracts, registrations, requisitions and other forms and documents in accordance with established procedures using processing systems; and authorize and issue licences, permits, registration papers, reimbursements and other material after requested documents have been processed and approved.

Employment requirements

- Completion of secondary school is required.
- Additional courses or a diploma in writing, journalism or a related field may be required.
- Previous clerical or administrative experience may be required.

Additional information

- Progression to supervisory positions is possible with experience.

1454 Survey interviewers and statistical clerks

Survey interviewers contact individuals to gather information for market research, public opinion polls or election and census enumeration. Statistical clerks code and compile interview and other data into reports, lists, directories and other documents. Workers in this unit group are employed by market research and polling firms, government departments and agencies, utility companies, contact centres and other establishments. This unit group also includes clerks who observe and record information on traffic flow.

Illustrative example(s)

- census enumerator
- coding clerk - statistics
- election enumerator
- interview clerk
- poll clerk
- public opinion interviewer
- statistical clerk
- survey interviewer
- telephone survey clerk

Exclusion(s)

- Correspondence, publication and regulatory clerks (1452)
- Other customer and information services representatives (6552)
- Statistical officers and related research support occupations (1254)
- Telemarketers (see 6623 Other sales related occupations)

Main duties

Survey interviewers perform some or all of the following duties:

- Contact individuals by telephone or in person and explain the purpose of the interview

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- Ask questions following the outlines of questionnaires and surveys
 - Record responses on paper or enter responses directly into a computer database through computer-assisted interviewing systems.

Statistical clerks perform some or all of the following duties:

- Check information gathered for completeness and accuracy
- Code information according to established coding manuals and enter data onto computers
- Conduct routine statistical analysis of data
- Compile interview and other data into reports and lists.

Employment requirements

- Completion of secondary school may be required.
- Experience in the operation of a computer may be required.
- On-the-job training is usually provided.
- May require driver's licence.

15 Distribution, tracking and scheduling co-ordination occupations

151 Mail and message distribution occupations

1511 Mail, postal and related workers

This unit group includes workers who process and sort mail and parcels in post offices, mail processing plants and internal mail rooms, and clerks who serve customers and record transactions at sales counters and postal wickets. Mail, postal and related workers are employed by Canada Post Corporation, courier and parcel express companies and establishments throughout the public and private sectors.

Illustrative example(s)

- bus parcel express clerk
- express mail service clerk
- mail clerk
- mail room clerk
- mail sorter
- postal clerk
- postal counter clerk
- postal wicket clerk
- railway mail clerk

Exclusion(s)

- Couriers, messengers and door-to-door distributors (1513)
- Letter carriers (1512)
- Supervisors, mail and message distribution occupations (1214)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Postal workers calculate and affix the correct postage on letters, parcels and registered mail and receive payment from customers; sell stamps, prepaid mail and courier envelopes and money orders; route mail to the proper delivery stream; sign or obtain signatures from recipients for registered or special delivery mail and keep records; answer inquiries and complete forms regarding change of address, theft or loss of mail; and record and balance daily transactions.
- Mail sorters sort mail according to destination; bundle, label, bag and route sorted mail to the proper delivery stream; and search directories to find the correct address for redirected mail.

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- Mail room clerks receive, process, sort and distribute incoming and outgoing mail, faxes, messages and courier packages manually or electronically; maintain address databases and produce personalized mailings; print and photocopy material, and address and stuff envelopes; weigh outgoing mail, calculate and affix proper postage, and bundle by postal code; and may operate and maintain print shop and mailing house equipment.

Employment requirements

- Completion of secondary school and some college office administration courses may be required.

Additional information

- Progression to supervisory or facility management positions is possible with additional training or experience.

1512 Letter carriers

Letter carriers sort and deliver mail, record delivery of registered mail and collect money for cash-on-delivery parcels. Letter carriers are employed by Canada Post Corporation.

Illustrative example(s)

- letter carrier
- postman/woman
- rural mail carrier

Exclusion(s)

- Couriers, messengers and door-to-door distributors (1513)
- Letter carrier supervisors (see 1214 Supervisors, mail and message distribution occupations)
- Mail, postal and related workers (1511)

Main duties

Letter carriers perform some or all of the following duties:

- Organize mail by address and load into mailbag
- Deliver letters, small parcels and other printed matter along established routes
- Deliver telegrams, special delivery and express mail
- Collect payment for cash-on-delivery service
- Record delivery of registered mail
- Leave notices indicating that items could not be delivered and the location where they can be picked up
- Return undeliverable mail to postal station.

Employment requirements

- Some secondary school education is required.
- Two weeks to one month of training is provided by Canada Post Corporation.

Additional information

- Progression to supervisory positions is possible with additional training or experience.

1513 Couriers, messengers and door-to-door distributors

Couriers, messengers and door-to-door distributors pick up and deliver letters, parcels, packages, newspapers, flyers and other items within and between establishments. They are employed by courier service companies and other establishments throughout the private and public sectors.

Illustrative example(s)

- bank messenger
- courier
- delivery person - courier service
- door-to-door distributor

- flyer distributor - courier service
- newspaper carrier
- runner - courier service

Exclusion(s)

- Delivery and courier service drivers (7514)
- Letter carriers (1512)
- Supervisors, mail and message distribution occupations (1214)

Main duties

Couriers, messengers and door-to-door distributors perform some or all of the following duties:

- Pick up messages, letters, envelopes, parcels, airline tickets, legal documents, packages, bonds, cheques, securities and other items from customers, and hand-deliver them to addresses within an establishment or in other establishments by walking or cycling within prescribed time periods
- Collect payment for items delivered
- Keep record of items received and delivered using delivery information acquisition devices
- Deliver newspapers, flyers, handbills, telephone directories and similar items to residences and businesses.

Employment requirements

- Secondary school education may be required.
- Eligibility for bonding may be required.
- Ability to navigate streets and follow directions is usually required.
- Physical fitness is required for some occupations in this unit group.

Additional information

- There is some mobility into other delivery occupations such as delivery drivers.
- There may be mobility to clerical occupations within the company.
- Progression to supervisory positions may be possible with experience.

152 Supply chain logistics, tracking and scheduling co-ordination occupations

1521 Shippers and receivers

Shippers and receivers ship, receive and record the movement of parts, supplies, materials, equipment and stock to and from an establishment. They are employed in the public sector and by retail and wholesale establishments, manufacturing companies, and other commercial and industrial establishments.

Illustrative example(s)

- freight receiver
- freight shipper
- import freight clerk
- receiver
- shipper
- shipper-receiver
- shipping agent
- shipping and receiving clerk
- supply chain assistant

Exclusion(s)

- Material handlers (7452)
- Purchasing and inventory control workers (1524)
- Storekeepers and partpersons (1522)
- Supervisors, supply chain, tracking and scheduling co-ordination occupations (1215)

Main duties

Shippers and receivers perform some or all of the following duties:

- Determine method of shipment and arrange shipping; prepare bills of lading, customs forms, invoices and other shipping documents manually or by computer
- Assemble containers and crates, record contents manually or by computer, pack goods to be shipped and affix identifying information and shipping instructions
- Oversee loading and unloading of goods from trucks or other conveyances
- Inspect and verify incoming goods against invoices or other documents, record shortages and reject damaged goods
- Unpack, code and route goods to appropriate storage areas
- Maintain internal, manual or computerized record-keeping systems
- May operate forklift, hand truck or other equipment to load, unload, transport and store goods.

Employment requirements

- Completion of secondary school is usually required.
- Experience in a related clerical occupation or as a warehouse worker may be required.
- A forklift certificate may be required.
- A driver's licence may be required.

Additional information

- Progression to supervisory positions is possible with additional training or experience.

1522 Storekeepers and partspersons

Storekeepers and partspersons sort, store and issue parts and supplies for use by the establishment in which they work and for sale to the public. They are employed by manufacturing companies, warehouses, retail and wholesale establishments, mining, forestry and construction companies, repair shops, hospitals and other establishments.

Illustrative example(s)

- ammunition storekeeper
- automotive partsperson - retail
- material keeper
- medical supply clerk
- motor vehicle parts clerk
- parts clerk
- parts supplier
- partsperson
- ship storeman/woman
- storekeeper
- tool room attendant

Exclusion(s)

- Parts clerks supervisors (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)
- Purchasing and inventory control workers (1524)
- Shippers and receivers (1521)

Main duties

Storekeepers and partspersons perform some or all of the following duties:

- Receive and sort incoming parts and supplies
- Store items in an orderly and accessible manner in a warehouse, tool room, supply room or other area
- Process incoming requisitions and issue or distribute parts and supplies for internal usage
- Maintain records of orders and the amount, kind and location of parts and supplies on hand using manual or computerized inventory system
- Prepare requisition orders to replenish parts and supplies
- Sell spare and replacement parts for motor vehicles, machinery and equipment in a retail setting

- Advise retail customers or internal users on appropriateness of parts, supplies or materials requested.

Partspersons may specialize in a particular line of parts such as automotive parts, recreational vehicle parts, marine parts, heavy equipment parts, agricultural machinery parts, heating, ventilating and air conditioning parts or refrigeration parts.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program or
Completion of specialized training in high school and a one-year college program for partspersons may be required.
- Trade certification for partspersons is available, but voluntary, in all provinces and territories.
- Experience in a related clerical occupation, or as a warehouse worker, may be required for partspersons.
- Red Seal endorsement is also available to qualified partspersons upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with additional training or experience.

1523 Production logistics co-ordinators

Production logistics co-ordinators co-ordinate and expedite the flow of work and materials within an establishment, prepare work and production schedules and monitor the progress of production and construction projects. Production clerks are employed by manufacturing and construction companies, printing and publishing companies and other industrial establishments.

Illustrative example(s)

- expeditor
- material estimator
- production clerk
- production co-ordinator
- production scheduler
- scheduling clerk
- supply chain co-ordinator - production
- traffic control clerk

Exclusion(s)

- Purchasing and inventory control workers (1524)
- Shippers and receivers (1521)
- Storekeepers and partspersons (1522)
- Supervisors, supply chain, tracking and scheduling co-ordination occupations (1215)

Main duties

Production logistics co-ordinators perform some or all of the following duties:

- Compile detailed worksheets and specifications from customer's order
- Estimate type and quantity of materials and labour required for production, construction and other projects
- Consult with production supervisor to schedule production runs in a cost and time-efficient manner
- Meet regularly with other production clerks, warehouse, production and construction supervisors and purchasing and inventory clerks to co-ordinate activities between warehouses and production floors or construction sites
- Co-ordinate and monitor logistics of the movement of parts, supplies and materials within an establishment and ensure that supplies, materials and products are shipped and received on schedule
- Prepare and maintain various reports on the progress of work, materials used, rates of production and other production information, using manual or computerized systems.

Employment requirements

- Completion of secondary school is usually required and college may be required.
- Previous clerical experience or experience as a production worker may be required.

Additional information

- Progression to supervisory positions is possible with experience.

1524 Purchasing and inventory control workers

Purchasing and inventory control workers process purchasing transactions and maintain inventories of materials, equipment and stock. They are employed by retail and wholesale establishments, manufacturing companies, government agencies and other establishments.

Illustrative example(s)

- inventory analyst
- inventory clerk
- inventory control clerk
- inventory planner
- procurement clerk
- purchasing clerk
- purchasing clerk assistant

Exclusion(s)

- Purchasing agents and officers (1225)
- Retail and wholesale buyers (6222)
- Storekeepers and partspersons (1522)
- Supervisors of purchasing and inventory clerks (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)

Main duties

Purchasing control workers perform some or all of the following duties:

- Review requisition orders for accuracy and verify that materials, equipment and stock are not available from current inventories
- Source and obtain price quotations from catalogues and suppliers and prepare purchase orders
- Calculate cost of orders and charge or forward invoices to appropriate accounts
- Process purchases within purchasing authority
- Contact suppliers to schedule deliveries and to resolve shortages, missed deliveries and other problems
- Prepare and maintain purchasing files, reports and price lists.

Inventory control workers perform some or all of the following duties:

- Monitor inventory levels as materials, equipment and stock are issued, transferred within an establishment or sold to the public using manual or computerized inventory systems
- Compile inventory reports, recording the quantity, type and value of materials, equipment and stock on hand, using manual or computerized inventory systems
- Prepare requisition orders to replenish materials, equipment and stock
- Maintain stock rotation and dispose of and account for outdated stock
- Enter data for production scheduling, stock replenishment/relocation and inventory adjustments
- Reconcile physical inventories with computer counts.

Employment requirements

- Completion of secondary school is usually required.
- Courses in purchasing management may be required for purchasing clerks.
- Courses in production and inventory management and ability to operate a computerized inventory system may be required for inventory clerks.

Additional information

- The duties of purchasing and inventory clerks may overlap in some establishments.

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- Progression to supervisory positions or more senior occupations such as purchasing agent or retail buyer is possible with additional training or experience.

1525 Dispatchers

Dispatchers operate radios and other telecommunication equipment to dispatch emergency vehicles and to co-ordinate the activities of drivers and other personnel. They are employed by police, fire and health departments, other emergency service agencies, taxi, delivery and courier services, trucking and utilities companies, and other commercial and industrial establishments.

Illustrative example(s)

- 911 dispatcher
- alarm system dispatcher
- ambulance dispatcher
- emergency vehicle dispatcher
- inbound/outbound freight co-ordinator
- mobile equipment dispatcher
- radio operator
- taxi dispatcher
- tow truck dispatcher
- truck dispatcher
- utilities maintenance crew dispatcher

Exclusion(s)

- Air traffic controllers and related occupations (2272)
- Bus dispatchers (see 7305 Supervisors, motor transport and other ground transit operators)
- Railway traffic controllers and marine traffic regulators (2275)
- Supervisors of dispatchers (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)

Main duties

Dispatchers perform some or all of the following duties:

- Receive requests for emergency assistance or service and contact ambulances, police and fire departments, tow-trucks, and utility crews
- Process and transmit information and instructions to co-ordinate the activities of vehicle operators, crews and equipment using a variety of computer-aided communications and dispatching equipment
- Dispatch personnel according to written schedules and work orders, or as required by emergency situations
- Advise vehicle operators of route and traffic problems such as construction, accidents, congestion, weather conditions, weight and size restrictions and other information
- Operate radio equipment to communicate with ships, aircraft, mining crews, offshore oil rigs, logging camps and other remote operations
- Monitor personnel workloads and locations
- Maintain vehicle operator work records using computerized or manual methods and ensure time sheets and payroll summaries are completed accurately
- Maintain computer and manual records of mileage, fuel use, repairs and other expenses, and generate reports.

Employment requirements

- Completion of secondary school is required.
- Police and emergency dispatchers are required to complete formal on-the-job training. Other dispatchers usually undergo some informal on-the-job training.
- Police and emergency dispatchers and other radio operators usually require provincial radio operator's certificates.

1526 Transportation route and crew schedulers

Transportation route and crew schedulers prepare operational and crew schedules for transportation equipment and operating personnel. They are employed by municipal transit commissions, truck, delivery and courier companies, railways, airlines and by other transportation establishments in both the private and public sectors.

Illustrative example(s)

- bus scheduler
- crew scheduler, transportation
- flight crew scheduler
- schedule analyst
- schedule writer, transportation
- train scheduler
- transit scheduler
- truck scheduler

Exclusion(s)

- Flight schedulers managers (see 0731 Managers in transportation)
- Production schedulers in manufacturing establishments (see 1523 Production logistics co-ordinators)
- Scheduling technicians in manufacturing (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Supervisors of transportation route and crew schedulers (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)

Main duties

Transportation route and crew schedulers perform some or all of the following duties:

- Review schedule requisitions, passenger counts and cargo, running times, distances, personnel availability and other pertinent information to establish schedule parameters
- Design new or modify existing schedules using computer software or other methods
- Incorporate into route plan factors such as peak travel periods, holidays, special events and construction with emphasis on time and cost efficiency
- Assign personnel to equipment and routes and schedule work shifts
- Compile equipment and personnel records, including hours in service, distances, maintenance, repairs required and other data, to produce operating reports
- May prepare user guides and other public service information.

Employment requirements

- Completion of secondary school is required.
- Several years of experience in an appropriate transportation sector are usually required.
- On-the-job training may be provided.

Additional information

- Mobility between occupations in this group is limited due to the requirement of specific transportation sector experience.
- Progression to supervisory positions is possible with experience.

2 Natural and applied sciences and related occupations

21 Professional occupations in natural and applied sciences

211 Physical science professionals

2111 Physicists and astronomers

Physicists conduct theoretical and applied research to extend knowledge of natural phenomena and to develop new processes and devices in fields such as electronics, communications, power generation and distribution, aerodynamics, optics and lasers, remote sensing, biotechnology, medicine and health. They are employed by electronic, electrical and aerospace manufacturing companies, telecommunications companies, power utilities, university and government research laboratories, hospitals and by a wide range of other processing, manufacturing, and research and consulting firms. Astronomers conduct observational and theoretical research to extend knowledge of the universe. They are employed by government and universities.

Illustrative example(s)

- acoustics physicist
- aerodynamicist
- astronomer
- astrophysicist
- atmospheric physicist
- biophysicist
- cosmologist
- experimental physicist
- health physicist
- medical physicist
- metrologist
- nuclear physicist
- optics physicist
- plasma physicist
- radio astronomer
- research scientist, aerospace
- research scientist, electronics
- research scientist, physics
- research scientist, remote sensing
- solid-state physicist

Exclusion(s)

- Architecture and science managers (0212)
- Atmospheric physicists (see 2114 Meteorologists and climatologists)
- Computer engineers (except software engineers and designers) (2147)
- Geophysicists and physical oceanographers (see 2113 Geoscientists and oceanographers)

Main duties

Physicists perform some or all of the following duties:

- Design and conduct research in experimental and theoretical physics
- Carry out analysis of research data and prepare research reports
- Participate as a member of a research or development team in the design and development of experimental, industrial or medical equipment, instrumentation and procedures.

Physicists may specialize in fields such as aeronomy and space, acoustics, atomic and molecular physics, biophysics, condensed matter or solid state physics, electromagnetics, fluids and aerodynamics, health physics, medical physics, metrology, particle physics, optics and laser physics, nuclear physics and plasma physics.

Astronomers perform some or all of the following duties:

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- Design and conduct observational surveys, conduct detailed analyses and develop numerical models to extend knowledge of celestial bodies and cosmic radiation
 - Develop or participate in the development of instrumentation and software for astronomical observation and analysis.

Astronomers may specialize in fields such as astrophysics, observational or optical astronomy and radio astronomy.

Employment requirements

- Physicists usually require a master's or doctoral degree in a field of physics, engineering physics, or in a related discipline.
- Astronomers usually require a master's or doctoral degree in astronomy or in a related discipline.

Additional information

- Mobility between specializations within physics and within astronomy is possible with experience.
- Physicists may work closely with and perform some of the duties of engineers.
- Mobility is possible to the fields of meteorology, geophysics and other fields of science.
- Progression to management positions is possible with experience.

2112 Chemists

Chemists conduct research and analysis in support of industrial operations, product and process development, quality control, environmental control, medical diagnosis and treatment, biotechnology, nanotechnology and other applications. They also conduct theoretical, experimental and applied research into basic chemical and biochemical processes to create or synthesize new products and processes. Chemists are employed in research, development and quality control laboratories; chemical, petrochemical and pharmaceutical industries; mineral, metal and pulp and paper industries; and a wide variety of manufacturing, utility, health, educational and government establishments.

Illustrative example(s)

- agricultural chemist
- analytical chemist
- bioanalytical chemist
- biochemist
- chemist
- clinical chemist
- coatings chemist
- electrochemist
- environmental chemist
- food chemist
- inorganic chemist
- medicinal chemist
- nuclear magnetic resonance (NMR) spectroscopist
- oceanographic chemist
- organic chemist
- organic mass spectrometrists
- organometallic chemist
- pharmacological chemist
- physical chemist
- polymer chemist
- quality control chemist
- research chemist
- soil chemist
- textile chemist
- theoretical chemist

Exclusion(s)

- Architecture and science managers (0212)
- Chemical engineers (2134)
- Geochemists (see 2113 Geoscientists and oceanographers)
- Metallurgists and material scientists (see 2115 Other professional occupations in physical sciences)
- Molecular biologists (see 2121 Biologists and related scientists)

Main duties

Chemists perform some or all of the following duties:

- Analyze, synthesize, purify, modify and characterize chemical or biochemical compounds
- Develop and conduct programs of analysis to ensure quality control of raw materials, chemical intermediates or final products
- Conduct programs of sample and data collection and analysis to identify and quantify environmental toxicants
- Conduct research to develop new chemical formulations and processes and devise new technical applications of industrial chemicals and compounds
- Conduct research to discover, develop, refine and evaluate new products such as those used in nanomedicine, nanoelectronics and other applications of chemistry
- Conduct fundamental and applied research into the synthesis and properties of chemical compounds and the mechanisms of chemical reactions
- Investigate chemical aspects of the mechanisms of drug action, the diagnosis and treatment of disease, organ function and the assessment of health
- Participate in interdisciplinary research and development projects working with chemical engineers, biologists, microbiologists, agronomists, geologists or other professionals
- Act as technical consultant in a particular field of expertise
- May participate in the commercialization of new products
- May supervise other chemists and chemical technicians and technologists.

Employment requirements

- A bachelor's degree in chemistry, biochemistry or a related discipline is required.
- A master's or doctoral degree is usually required for employment as a research chemist.
- Licensing by a provincial association of chemists is required in Quebec, and available but voluntary in Nova Scotia, Ontario, Alberta and British Columbia.

Additional information

- Mobility between occupations in this group is possible with experience.
- Mobility is possible with experience, to occupations concerned with plant management, technical sales and the development and management of regulatory programs and teaching professions.

2113 Geoscientists and oceanographers

Geoscientists include geologists, geochemists and geophysicists who conduct programs of exploration and research to extend knowledge of the structure, composition and processes of the earth, to locate, identify and extract hydrocarbon, mineral and groundwater resources and to assess and mitigate the effects of development and waste disposal projects on the environment. Oceanographers conduct programs of exploration and research on ocean processes and phenomena, biological, chemical and physical characteristics of oceans, interactions with atmospheric and geological environments and impacts of human activity on oceans and marine ecosystems. Geoscientists are employed by petroleum and mining companies, consulting geology, geophysics and engineering firms and by governments and educational institutions, or they may be self-employed. Oceanographers are employed by governments, educational institutions and private companies engaged in exploration of seafloor deposits and seafarming areas, or they may be self-employed.

Illustrative example(s)

- development geologist
- environmental geologist
- exploration geologist

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- geochemist
 - geologist
 - geophysicist
 - glaciologist
 - groundwater geologist
 - hydrogeologist
 - hydrologist
 - mine geologist
 - mineralogist
 - oceanographer
 - paleontologist
 - petroleum geologist
 - petrologist
 - sedimentologist
 - seismologist
 - stratigrapher

Exclusion(s)

- Architecture and science managers (0212)
- Biologists and related scientists (2121)
- Chemists (2112)
- Geological engineers (2144)
- Managers in natural resources production and fishing (0811)
- Physicists and astronomers (2111)

Main duties

Geoscientists perform some or all of the following duties:

- Conduct theoretical and applied research to extend knowledge of surface and subsurface features of the earth, its history and the operation of physical, chemical and biological systems that control its evolution
- Plan, direct and participate in geological, geochemical and geophysical field studies, drilling and geological testing programs
- Plan and conduct seismic, electromagnetic, magnetic, gravimetric, radiometric, radar and other remote sensing programs
- Plan, direct and participate in analyses of geological, geochemical and geophysical survey data, well logs and other test results, maps, notes and cross sections
- Develop models and applied software for the analysis and interpretation of data
- Plan and conduct analytical studies of core samples, drill cuttings and rock samples to identify chemical, mineral, hydrocarbon and biological composition and to assess depositional environments and geological age
- Assess the size, orientation and composition of mineral ore bodies and hydrocarbon deposits
- Identify deposits of construction materials and determine their characteristics and suitability for use as concrete aggregates, road fill or for other applications
- Conduct geological and geophysical studies for regional development and advise in areas such as site selection, waste management and restoration of contaminated sites
- Recommend the acquisition of lands, exploration and mapping programs and mine development
- Identify and advise on anticipated natural risks such as slope erosion, landslides, soil instability, subsidence, earthquakes and volcanic eruptions
- May supervise and co-ordinate well drilling, completion and work-overs and mining activities.

Geologists may specialize in fields such as coal geology, environmental geology, geochronology, hydrogeology, mineral deposits or mining, petroleum geology, stratigraphy, tectonics, volcanology or in other fields.

Geochemists may specialize in analytical geochemistry, hydrogeochemistry, mineral or petroleum geochemistry or in other fields.

Geophysicists may specialize in areas, such as petroleum geology, earth physics, geodesy, geoelectromagnetism, seismology or in other fields.

Oceanographers perform some or all of the following duties:

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- Conduct theoretical and applied oceanographic research programs and expeditions to extend knowledge of the physical, chemical and biological properties and functioning of oceans
 - Plan, direct and participate in sampling and analysis of seawater, plankton, fish, sediments and rocks
 - Study physical properties of oceans to develop models, charts and computer simulations of ocean conditions, such as tides, waves, currents and sediment transport
 - Explore ocean floor and submarine geological structures, conduct seismic surveys and study formation of ocean basins and other structures to map ocean floor, coastal erosion, sediment accumulation and areas for offshore oil and gas exploration
 - Plan and conduct investigations on ocean chemical properties and processes, ocean floor and marine atmosphere and undersea volcanoes to study impacts of environmental changes
 - Study marine life and interaction with physical and chemical environments to assess impacts of pollutants on marine ecology and to develop ecologically-based methods of seafarming.

Oceanographers may specialize in biological, chemical, geological or physical oceanography, or in other fields related to the study of oceans.

Employment requirements

- Geoscientists require a university degree in geology, geochemistry, geophysics or a related discipline.
- A master's or doctoral degree in geophysics, physics, mathematics or engineering may be required for employment as a geophysicist.
- Registration with a provincial or territorial association of professional engineers, geologists, geophysicists or geoscientists is usually required for employment and is mandatory to practice in Newfoundland and Labrador, Alberta, British Columbia, the Northwest Territories and Nunavut.
- Geologists and geophysicists are eligible for registration following graduation from an accredited educational program and after several years of supervised work experience and, in some provinces, after passing a professional practice examination.
- Oceanographers require a university degree in science, mathematics, statistics or engineering and usually require a graduate degree in oceanography.

Additional information

- Mobility between specializations in this group is possible with experience.
- Progression to supervisory or higher level positions is possible with experience in this unit group.
- Advancement to management positions in mining, petroleum and other industries is possible with experience.

2114 Meteorologists and climatologists

Meteorologists and climatologists analyze and forecast weather, provide consultation on atmospheric phenomena and conduct research into the processes and phenomena of weather, climate and atmosphere. They are employed by all levels of government, natural resources and utility companies, the media and private consulting firms, or they may be self-employed.

Illustrative example(s)

- air quality meteorologist
- climatologist
- hydrometeorologist
- meteorologist
- operational meteorologist
- weather forecaster

Exclusion(s)

- Announcers who broadcast weather forecasts (see 5231 Announcers and other broadcasters)

Main duties

Meteorologists and climatologists perform some or all of the following duties:

- Analyze and interpret data obtained from meteorological stations, radar and satellite imagery and computer model output

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- Produce weather forecasts and provide weather consulting services for industries such as aviation, marine, agriculture and tourism, and to the general public
 - Disseminate weather forecasts and reports to the general public through a variety of media including radio, television, print and the Internet
 - Conduct research and provide consultation on the processes and determinants of atmospheric phenomena, weather and climate, atmospheric dispersion, and physical and chemical transformation of pollutants
 - Develop and test mathematical computer models of weather and climate for experimental or operational use
 - Analyze the impact of industrial projects and human activity on the climate and quality of the air and work with the social science, engineering and economic communities to develop appropriate mitigation strategies
 - Participate in studies of the effect of weather on the environment
 - Provide consultation and advice to outside agencies, professionals, or researchers regarding the use and interpretation of climatological information
 - Make scientific presentations, publish reports, articles or popular texts for specialists, users or the general public
 - May engage in the design and development of new equipment and procedures for meteorological data collection, remote sensing, or for related applications.

Employment requirements

- A bachelor's or master's degree in meteorology, atmospheric sciences or in a related field is required.
- A doctoral degree is usually required for employment as a research scientist in meteorology.
- Formal training is provided by Environment Canada for operational meteorologists employed by the federal government.
- Membership in the Canadian Meteorological and Oceanographic Society or, in Quebec, in l'Association professionnelle des météorologistes du Québec is available, but voluntary, for qualified meteorologists.

2115 Other professional occupations in physical sciences

This group includes metallurgists, soil scientists and physical scientists and researchers, not elsewhere classified, involved in the conduct of theoretical and applied research in fields of physical science. They are employed by governments, educational institutions and a wide range of industrial establishments.

Illustrative example(s)

- astronaut
- ballistics examiner
- materials scientist
- metallurgist
- physical metallurgist
- research scientist - ceramics
- research scientist - composite materials
- soil scientist

Exclusion(s)

- Air pilots, flight engineers and flying instructors (2271)
- Architecture and science managers (0212)
- Chemists (2112)
- Metallurgical and materials engineers (2142)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Metallurgists conduct studies into the properties and production of metals and alloys.
- Soil scientists conduct research into the composition, distribution and evolution of soils.
- Materials scientists conduct research into the properties, composition and production of materials such as ceramics and composite materials.

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- Astronauts command, pilot or serve as crew members of a spacecraft to conduct scientific experiments and research, and participate in space missions as mission specialists to maintain spacecraft, install and repair space station equipment and launch and recapture satellites.

Employment requirements

- A bachelor's degree in metallurgy, physics, chemistry, or a related physical science discipline is required.
- A master's or doctoral degree is usually required for employment as a research scientist.
- Advanced degrees in a broad range of applied science areas, such as engineering or medicine or
Licences may be required for some occupations in this unit group.

Additional information

- Mobility between specializations in this group may be possible with experience.
- Mobility is possible with experience, to other fields of physical science or to management or regulatory program management.

212 Life science professionals

2121 Biologists and related scientists

Biologists and related scientists conduct basic and applied research to extend knowledge of living organisms, to manage natural resources, and to develop new practices and products related to medicine and agriculture. They are employed in both laboratory and field settings by governments, environmental consulting companies, resource and utilities companies, chemical, pharmaceutical and biotechnical companies and health and educational institutions.

Illustrative example(s)

- anatomist
- bacteriologist
- bioinformatician
- biologist
- botanist
- cell biologist
- ecologist
- embryologist
- geneticist
- histologist
- immunologist
- marine biologist
- microbiologist
- molecular biologist
- mycologist
- parasitologist
- pharmacologist
- physiologist
- protozoologist
- toxicologist
- virologist
- zoologist

Exclusion(s)

- Architecture and science managers (0212)
- Biochemists (see 2112 Chemists)
- Specialists in laboratory medicine (see 3111 Specialist physicians)

Main duties

Biologists perform some or all of the following duties:

- Plan and conduct studies of the environment, and of the population, distribution, structure and functional characteristics and behaviour of plants and animals
- Conduct ecological and environmental impact studies and prepare reports
- Study, identify and classify plant and animal specimens
- Conduct experiments in plant or animal growth, heredity and breeding
- Prepare reports and plans for management of renewable resources
- May supervise biological technologists and technicians and other scientists.

Microbiologists and cell and molecular biologists perform some or all of the following duties:

- Conduct research into the structure, function, ecology, biotechnology and genetics of micro-organisms, including bacteria, fungi, protozoans, and algae
- Conduct research into the structure and functioning of human, animal and plant tissues and cells
- Conduct studies into the identification, effects and control of human, plant and animal pathogens and toxins
- Conduct clinical or laboratory studies to test, evaluate and screen drugs, pharmaceuticals and nanoparticles used in biomedical applications
- Conduct molecular or biochemical studies and experiments in genetic expression, gene manipulation and recombinant DNA technology to develop new or alternative methods of producing products
- Conduct research in biotechnology to discover, develop and refine, and evaluate new products
- May participate in the commercialization of new products
- May supervise biological technologists and technicians and other scientists
- May conduct biostatistical data analysis using computer modelling techniques.

Biologists and related scientists may specialize at the macroscopic level, in fields such as botany, zoology, ecology and marine biology or, at the cellular and molecular level, in fields such as genetics, immunology, pharmacology, toxicology, physiology, pathology, bacteriology, virology, biotechnology and bioinformatics.

Employment requirements

- A bachelor's degree in biology or in a related discipline is required for biologists.
- A master's or doctoral degree in biology or a related discipline is required for employment as a research scientist in biology.
- Post-doctoral research experience is usually required before employment in academic departments or research institutions.

2122 Forestry professionals

Forestry professionals conduct research, develop plans and administer and direct programs related to the management and harvesting of forest resources. They are employed by the forest industry, provincial and federal governments, consulting companies, educational institutions and other industries, or they may be self-employed.

Illustrative example(s)

- appraisal forester
- consulting forester
- district forester
- forest engineer
- forester
- forestry superintendent
- regional inventory officer - forestry
- registered professional forester (RPF)

Exclusion(s)

- Forest economists (see 4162 Economists and economic policy researchers and analysts)
- Forestry and woodlands operations managers (see 0811 Managers in natural resources production and fishing)

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- Managers of government forestry policy and program administration (see 0412 Government managers - economic analysis, policy development and program administration)
 - Managers of research in forestry (see 0212 Architecture and science managers)

Main duties

Forestry professionals perform some or all of the following duties:

- Plan and direct forest surveys and related studies and prepare reports and recommendations
- Establish short- and long-term plans for management of forest lands and forest resources
- Plan and direct woodlands harvesting, reforestation, silviculture and fire prevention and fire suppression programs, road building, wildlife management, environmental protection and insect and vegetation control programs
- Negotiate terms and conditions of agreements and contracts for forest harvesting, forest management and leasing of forest lands
- Monitor contract compliance and results of forestry activities
- Ensure adherence to government regulations and company objectives
- Plan and conduct public relations programs, and education and extension programs related to forestry
- Develop and oversee programs for tree seedling production and woodlands nursery operations
- Conduct advanced research in the areas of tree improvement, nursery seedling production, forest soils, forest ecology, forest mensuration, forest operations and other areas
- Provide advice and recommendations, as a consultant on forestry issues, to private woodlot owners, municipal, provincial or federal governments or to companies.

Employment requirements

- A bachelor's degree in forestry or forestry engineering is required.
- Certification as a forester or forest engineer by provincially chartered associations is required in provinces having such associations.
- A two-year practicum of supervised work experience and professional examinations are usually required before registration.

Additional information

- Supervisory and senior occupations in this unit group require additional experience.
- With experience, mobility is possible to management positions in government and industry.

2123 Agricultural representatives, consultants and specialists

Agricultural representatives, consultants and specialists provide assistance and advice to farmers on all aspects of farm management, cultivation, fertilization, harvesting, soil erosion and composition, disease prevention, nutrition, crop rotation and marketing. They are employed by businesses, institutions and governments that assist the farming community, or they may be self-employed.

Illustrative example(s)

- agricultural consultant
- agricultural extension supervisor
- agricultural livestock specialist
- agricultural representative
- agricultural soil and crop specialist
- agriculturist
- agrologist
- agronomist
- consulting agrologist
- crop specialist
- farm management consultant
- field service adviser - agriculture
- field service agent - agriculture
- growers' advisor
- professional agrologist (P.Ag.)

Exclusion(s)

- Agricultural engineers (see 2148 Other professional engineers, n.e.c.)
- Agrology technologists and technicians (see 2221 Biological technologists and technicians)
- Biologists and related scientists (2121)
- Landscape and horticulture technicians and specialists (2225)
- Managers of agricultural extension and consulting services (see 0212 Architecture and science managers)
- Managers responsible for agricultural economic policy (see 0412 Government managers - economic analysis, policy development and program administration)

Main duties

Agricultural representatives, consultants and specialists perform some or all of the following duties:

- Provide counselling and advisory services to farmers on crop cultivation and fertilization, harvesting, animal and poultry care, disease prevention, farm management, farm financing, marketing and other agricultural subjects
- Prepare and conduct advisory information sessions and lectures for farmers and other groups
- Conduct research, analyze agricultural data and prepare research reports
- Liaise with researchers, educators and government or business managers on matters pertaining to farming and agriculture
- Maintain records of services provided and the effects of advice given.

Agricultural representatives, consultants and specialists may specialize in specific aspects of agriculture such as animal science, field crops, horticulture, soil science, irrigation or drainage, farm management, marketing, agricultural economics, land use, and environmental management, appraisal or extension and education.

Employment requirements

- A bachelor's or master's degree in agriculture or in a related science is required.
- Membership or eligibility for membership in a provincial institute of agrology is usually required.
- In Quebec, membership in the Ordre professionnel des agronomes is mandatory.

Additional information

- Progression to management positions is possible with experience.

213 Civil, mechanical, electrical and chemical engineers**2131 Civil engineers**

Civil engineers plan, design, develop and manage projects for the construction or repair of buildings, earth structures, powerhouses, roads, airports, railways, rapid transit facilities, bridges, tunnels, canals, dams, ports and coastal installations and systems related to highway and transportation services, water distribution and sanitation. Civil engineers may also specialize in foundation analysis, building and structural inspection, surveying, geomatics and municipal planning. Civil engineers are employed by engineering consulting companies, in all levels of government, by construction firms and in many other industries, or they may be self-employed.

Illustrative example(s)

- bridge engineer
- civil engineer
- construction engineer
- environmental engineer
- geodetic engineer
- geomatics engineer
- highway engineer
- hydraulics engineer
- municipal engineer
- project engineer, construction
- public works engineer
- sanitation engineer
- structural engineer

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- surveying engineer
 - traffic engineer
 - transportation engineer
 - water management engineer

Exclusion(s)

- Chemical environmental engineers (see 2134 Chemical engineers)
- Construction managers (0711)
- Engineering managers (0211)
- Geological engineers (2144)
- Managers in transportation (0731)

Main duties

Civil engineers perform some or all of the following duties:

- Confer with clients and other members of the engineering team and conduct research to determine project requirements
- Plan and design major civil projects such as buildings, roads, bridges, dams, water and waste management systems and structural steel fabrications
- Develop construction specifications and procedures
- Evaluate and recommend appropriate building and construction materials
- Interpret, review and approve survey and civil design work
- Conduct field services for civil works
- Ensure construction plans meet guidelines and specifications of building codes and other regulations
- Establish and monitor construction work schedules
- Conduct feasibility studies, economic analyses, municipal and regional traffic studies, environmental impact studies or other investigations
- Monitor air, water and soil quality and develop procedures to clean up contaminated sites
- Conduct technical analyses of survey and field data for development of topographic, soil, hydrological or other information and prepare reports
- Act as project or site supervisor for land survey or construction work
- Prepare contract documents and review and evaluate tenders for construction projects
- Supervise technicians, technologists and other engineers and review and approve designs, calculations and cost estimates.

Employment requirements

- A bachelor's degree in civil engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

Additional information

- There is considerable mobility between civil engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2132 Mechanical engineers

Mechanical engineers research, design and develop machinery and systems for heating, ventilating and air conditioning, power generation, transportation, processing and manufacturing. They also perform duties related to the evaluation, installation, operation and maintenance of mechanical systems. Mechanical engineers are employed by consulting firms, by power-generating utilities and in a wide range of manufacturing, processing and transportation industries, or they may be self-employed.

Illustrative example(s)

- acoustics engineer
- automotive engineer
- design engineer - mechanical
- energy conservation engineer
- engineer, power generation
- fluid mechanics engineer
- heating, ventilation and air conditioning (HVAC) engineer
- mechanical engineer
- mechanical maintenance engineer
- nuclear engineer
- piping engineer
- refrigeration engineer
- robotics engineer
- thermal design engineer
- tool engineer

Exclusion(s)

- Engineering managers (0211)
- Industrial and manufacturing engineers (2141)
- Metallurgical and materials engineers (2142)
- Power engineers or stationary engineers (see 9241 Power engineers and power systems operators)

Main duties

Mechanical engineers perform some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of mechanisms, components and systems
- Plan and manage projects, and prepare material, cost and timing estimates, reports and design specifications for machinery and systems
- Design power plants, machines, components, tools, fixtures and equipment
- Analyze dynamics and vibrations of mechanical systems and structures
- Supervise and inspect the installation, modification and commissioning of mechanical systems at construction sites or in industrial facilities
- Develop maintenance standards, schedules and programs and provide guidance to industrial maintenance crews
- Investigate mechanical failures or unexpected maintenance problems
- Prepare contract documents and evaluate tenders for industrial construction or maintenance
- Supervise technicians, technologists and other engineers and review and approve designs, calculations and cost estimates.

Employment requirements

- A bachelor's degree in mechanical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is considerable mobility between mechanical engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Mechanical engineers work closely with civil, electrical, aerospace, chemical, industrial and other engineers, and mobility is possible between some fields of specialization in these disciplines.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2133 Electrical and electronics engineers

Electrical and electronics engineers design, plan, research, evaluate and test electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and by a wide range of manufacturing, processing and transportation industries and government.

Illustrative example(s)

- avionics engineer
- control systems engineer
- design engineer, electrical
- distribution planning engineer, electrical
- electrical engineer
- electrical network engineer
- electronics engineer
- instrumentation and control engineer
- planning engineer, electrical systems
- process control engineer, electrical
- roadway lighting design engineer
- television systems engineer
- test engineer, electronics

Exclusion(s)

- Computer and information systems managers (0213)
- Computer engineers (except software engineers and designers) (2147)
- Electrical and electronics engineering technologists and technicians (2241)
- Engineering managers (0211)
- Software engineers and designers (2173)

Main duties

Electrical and electronics engineers perform some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of electrical generation and distribution networks, electrical machinery and components and electronic communications, instrumentation and control systems, equipment, and components
- Prepare material cost and timing estimates, reports and design specifications for electrical and electronic systems and equipment
- Design electrical and electronic circuits, components, systems and equipment
- Conduct micro or nanodevices simulations, characterization, process modeling and integration in the development of new electronic devices and products
- Supervise and inspect the installation, modification, testing and operation of electrical and electronic systems and equipment
- Develop maintenance and operating standards for electrical and electronic systems and equipment
- Investigate electrical or electronic failures
- Prepare contract documents and evaluate tenders for construction or maintenance
- Supervise technicians, technologists, programmers, analysts and other engineers.

Electrical and electronics engineers may specialize in a number of areas including electrical design for residential, commercial or industrial installations, electrical power generation and transmission, and instrumentation and control systems.

Employment requirements

- A bachelor's degree in electrical or electronics engineering or in an appropriate related engineering discipline is required.
- A master's or doctoral degree in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

Additional information

- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2134 Chemical engineers

Chemical engineers research, design, and develop chemical processes and equipment, oversee the operation and maintenance of industrial chemical, plastics, pharmaceutical, resource, pulp and paper, and food processing plants and perform duties related to chemical quality control, environmental protection and biochemical or biotechnical engineering. Chemical engineers are employed in a wide range of manufacturing and processing industries, consulting firms, government, research and educational institutions.

Illustrative example(s)

- adhesives engineer
- biochemical engineer
- biotechnical engineer
- chemical engineer, environmental
- chemical process engineer
- industrial hygiene engineer
- industrial waste treatment engineer
- liquid fuels engineer
- petrochemical engineer
- polymer engineer
- process control engineer, chemical
- project engineer, chemical
- pulp and paper engineer
- refinery engineer
- waste treatment engineer

Exclusion(s)

- Agricultural and biomedical engineers (see 2148 Other professional engineers, n.e.c.)
- Chemists (2112)
- Civil environmental engineers (see 2131 Civil engineers)
- Engineering managers (0211)
- Metallurgical and materials engineers (2142)
- Petroleum engineers (2145)
- Process control engineers with electrical or electronic specialization (see 2133 Electrical and electronics engineers)

Main duties

Chemical engineers perform some or all of the following duties:

- Conduct economic and technical feasibility studies in areas related to chemical, petroleum, pulp and paper, food or other processing industries
- Conduct research into the development or improvement of chemical engineering processes, reactions and materials
- Evaluate chemical process technology and equipment and determine production specifications
- Design and test chemical processing and associated plants and equipment
- Oversee the construction, modification, operation and maintenance of pilot plants, processing units or processing plants
- Establish and conduct quality control programs, operating procedures and control strategies to ensure consistency and adherence to standards for raw materials, products and waste products or emissions
- Prepare contract documents and evaluate tenders for the process aspects of industrial construction
- Supervise technicians, technologists and other engineers
- May work in an administrative capacity, for example, in the development of guidelines and specifications for the handling of dangerous chemicals, environmental protection, or standards for foods, materials and consumer goods.

Chemical engineers may specialize in the products and processes of a particular industry such as pulp and paper manufacturing, pharmaceuticals, petroleum refining, energy processing, plastics, metal extraction and refining, or adhesives and coatings production. They may also specialize in functional areas of various industries such as process control, pollution control or fermentation processes.

Employment requirements

- A bachelor's degree in chemical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is considerable mobility between chemical engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.
- Chemical engineers work closely with chemists and other scientists and engineers and mobility is possible between some fields of specialization.

214 Other engineers**2141 Industrial and manufacturing engineers**

Industrial and manufacturing engineers conduct studies, and develop and supervise programs to achieve the best use of equipment, human resources, technology, materials and procedures to enhance efficiency and productivity. Industrial and manufacturing engineers are employed in consulting firms, manufacturing and processing companies, in government, financial, health care and other institutions, or they may be self-employed.

Illustrative example(s)

- engineer, computer integrated manufacturing (CIM)
- fire prevention engineer
- industrial engineer
- manufacturing engineer
- plant engineer
- production engineer

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- quality control engineer
 - safety engineer
 - work measurement engineer

Exclusion(s)

- Computer engineers (except software engineers and designers) (2147)
- Engineering managers (0211)
- Mechanical engineers (2132)
- Metallurgical and materials engineers (2142)
- Organizational analysts (see 1122 Professional occupations in business management consulting)

Main duties

Industrial and manufacturing engineers perform some or all of the following duties:

- Plan and design plant layouts and facilities
- Study new machinery and facilities and recommend or select efficient combinations
- Develop flexible or integrated manufacturing systems and procedures
- Conduct studies and implement programs to determine optimum inventory levels for production and to allow optimum utilization of machinery, materials and resources
- Analyze costs of production
- Design, develop and conduct time studies and work simplification programs
- Determine human resource and skill requirements and develop training programs
- Develop performance standards, evaluation systems and wage and incentive programs
- Conduct studies of the reliability and performance of plant facilities and production or administrative systems
- Develop maintenance standards, schedules and programs
- Establish programs and conduct studies to enhance industrial health and safety or to identify and correct fire and other hazards
- Evaluate or assess industrial facilities
- Supervise technicians, technologists, analysts, administrative staff and other engineers.

Employment requirements

- A bachelor's degree in industrial engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- Industrial engineers develop and implement organizational and management systems, and manufacturing engineers design production processes.
- There is considerable mobility between industrial engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2142 Metallurgical and materials engineers

Metallurgical and materials engineers conduct studies of the properties and characteristics of metals and other non-metallic materials and plan, design and develop machinery and processes to concentrate, extract, refine and process metals, alloys and other materials such as ceramics, semiconductors and composite materials. Metallurgical and materials engineers are employed in consulting engineering firms, mining, metal processing and manufacturing companies, and in government, research and educational institutions.

Illustrative example(s)

- ceramics engineer
- corrosion engineer
- electrometallurgical engineer
- foundry engineer
- hydrometallurgical engineer
- materials engineer
- metallurgical engineer
- physical metallurgical engineer
- pyrometallurgical engineer
- welding engineer

Exclusion(s)

- Chemical engineers (2134)
- Chemists (2112)
- Engineering managers (0211)
- Mining engineers (2143)
- Physical metallurgists and materials scientists (see 2115 Other professional occupations in physical sciences)

Main duties

Metallurgical and materials engineers perform some or all of the following duties:

- Conduct studies and design, develop and specify the processes, and machinery to concentrate, extract, refine and process metals from ores
- Conduct studies on the properties and characteristics of materials and design, develop and specify processes for moulding, shaping, forming and thermal treatment of metals, alloys and metallic systems, ceramics, semiconducting and other materials
- Conduct chemical and physical analytical studies, failure analyses and other studies and recommend material selection, design of materials, corrosion control measures, operational testing and other procedures
- Co-ordinate production testing and control of metal refining, smelting or foundry operations or non-metallic materials production operations
- Supervise technologists, technicians and other engineers and scientists.

Employment requirements

- A bachelor's degree in metallurgical, materials, ceramic or chemical engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- Metallurgical engineers research and develop new alloys and systems for extracting metal from ores; materials engineers research and develop new non-metallic materials with physical characteristics to meet specific requirements.
- There is considerable mobility between engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Metallurgical and materials engineers work closely with other engineers and scientists and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2143 Mining engineers

Mining engineers plan, design, organize and supervise the development of mines, mine facilities, systems and equipment; and prepare and supervise the extraction of metallic or non-metallic minerals and ores from underground or surface mines. Mining engineers are employed by mining companies, consulting engineering companies, manufacturers, government and in educational and research institutions.

Illustrative example(s)

- mine design engineer
- mine development engineer
- mine layout engineer
- mine production engineer
- mine safety engineer
- mine ventilation engineer
- mineral engineer
- mining engineer

Exclusion(s)

- Engineering managers (0211)
- Geological engineers (2144)
- Geoscientists and oceanographers (2113)
- Metallurgical and materials engineers (2142)
- Mine managers (see 0811 Managers in natural resources production and fishing)
- Petroleum engineers (2145)

Main duties

Mining engineers perform some or all of the following duties:

- Conduct preliminary surveys and studies of ore, mineral or coal deposits to assess the economic and environmental feasibility of potential mining operations
- Determine the appropriate means of safely and efficiently mining deposits
- Determine and advise on appropriate drilling and blasting methods for mining, construction or demolition
- Design shafts, ventilation systems, mine services, haulage systems and supporting structures
- Design, develop and implement computer applications such as for mine design, mine modelling, mapping or for monitoring mine conditions
- Plan and design or select mining equipment and machinery and mineral treatment machinery and equipment in collaboration with other engineering specialists
- Plan, organize and supervise the development of mines and mine structures and the operation and maintenance of mines
- Prepare operations and project estimates, schedules and reports
- Implement and co-ordinate mine safety programs
- Supervise and co-ordinate the work of technicians, technologists, survey personnel, and other engineers and scientists.

Employment requirements

- A bachelor's degree in mining engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- Supervisory and senior positions in this unit group require experience.
- Mining engineers work closely with geologists, geological engineers, metallurgical engineers, and other engineers and scientists, and mobility is possible between some fields of specialization.

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- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2144 Geological engineers

Geological engineers conduct geological and geotechnical studies to assess suitability of locations for civil engineering, mining and oil and gas projects; and plan, design, develop and supervise programs of geological data acquisition and analysis and the preparation of geological engineering reports and recommendations. Geological engineers are employed in consulting engineering companies, electrical utilities, mining and petroleum companies and in government and research and educational institutions.

Illustrative example(s)

- geological engineer
- geophysical engineer
- hydrogeological engineer - engineering

Exclusion(s)

- Civil engineers (2131)
- Engineering managers (0211)
- Geoscientists and oceanographers (2113)
- Land surveyors (2154)
- Mining engineers (2143)
- Petroleum engineers (2145)

Main duties

Geological engineers perform some or all of the following duties:

- Plan, develop and co-ordinate programs of geotechnical, geological, geophysical or geohydrological data acquisition, analysis and mapping to assist in the development of civil engineering, mining, petroleum and waste management projects or for regional development
- Analyze and prepare recommendations and reports for construction or improvements to foundations of civil engineering projects such as rock excavation, pressure grouting and hydraulic channel erosion control
- Analyze and prepare recommendations and reports on settlement of buildings, stability of slopes and fills, and probable effects of landslides and earthquakes to support construction and civil engineering projects
- Conduct theoretical and applied study of groundwater flow and contamination and develop prescriptions for site selection, treatment and construction
- Plan, develop, co-ordinate and conduct theoretical and experimental studies in mining exploration, mine evaluation and feasibility studies relative to the mining industry
- Conduct surveys and studies of ore deposits, ore reserve calculations and mine design
- Design, develop and implement computer applications for geophysics, geochemistry, geology, mapping and related fields
- Supervise technologists, technicians and other engineers and scientists.

Employment requirements

- A bachelor's degree in geological engineering or in a related discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is considerable mobility between engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.

- Geological engineers work closely with geologists and other scientists and engineers, and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2145 Petroleum engineers

Petroleum engineers conduct studies for the exploration, development and extraction of oil and gas deposits; and plan, design, develop and supervise projects for the drilling, completion, testing and re-working of oil and gas wells. They are employed by petroleum producing companies, consulting companies, well logging or testing companies, government, and research and educational institutions.

Illustrative example(s)

- drilling engineer, oil and gas
- petroleum engineer
- petroleum engineer, completion
- production engineer, oil and gas
- reservoir engineer, petroleum
- subsea engineer

Exclusion(s)

- Chemical engineers (2134)
- Contractors and supervisors, oil and gas drilling and services (8222)
- Engineering managers (0211)
- Geological engineers (2144)
- Geoscientists and oceanographers (2113)

Main duties

Petroleum engineers perform some or all of the following duties:

- Conduct feasibility assessment studies for developing new oil and gas fields
- Direct and monitor oil and gas drilling operations
- Develop drilling programs, select sites and specify drilling fluids, bit selection, drill stem testing procedures and equipment
- Direct and monitor the completion and evaluation of wells, well testing and well surveys
- Design and select artificial lift machinery, and well and surface production equipment and systems, and specify programs for corrosion control and oil or gas treatment
- Develop specifications for and monitor and supervise well modification and stimulation programs to maximize oil and gas recovery
- Analyze reservoir rock and fluid data to design optimum recovery methods and to predict reservoir performance and reserves
- Monitor and forecast oil and gas reservoir performance and recommend oil recovery techniques which extend the economic life of wells
- Design, develop and co-ordinate the installation, maintenance and operation of subsea well-head and production equipment.

Petroleum engineers may specialize in drilling, production, reservoir analysis or subsea operations.

Employment requirements

- A bachelor's degree in petroleum engineering or in a related engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is mobility between petroleum engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2146 Aerospace engineers

Aerospace engineers research, design and develop aerospace vehicles, aerospace systems and their components, and perform duties related to their testing, evaluation, installation, operation and maintenance. They are employed by aircraft and spacecraft manufacturers, air transport carriers, and in government and educational and research institutions.

Illustrative example(s)

- aerodynamics engineer
- aeronautical engineer
- aerospace engineer
- aircraft design engineer
- stress engineer - aerospace
- structural engineer, aerospace
- systems engineer, aerospace
- test engineer, aerospace

Exclusion(s)

- Aircraft maintenance engineers (AME) - avionics (see 2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Aircraft maintenance engineers (AME) (see 7315 Aircraft mechanics and aircraft inspectors)
- Avionics engineers (see 2133 Electrical and electronics engineers)
- Engineering managers (0211)
- Mechanical engineers (2132)
- Metallurgical and materials engineers (2142)

Main duties

Aerospace engineers perform some or all of the following duties:

- Design and develop aerospace vehicles, systems and components such as aircraft, spacecraft, missiles, satellites and space-based communication systems
- Develop and conduct computer simulations of aerospace vehicles, systems and components using advanced mathematical modelling
- Prepare specifications for materials and processes to be used in aerospace manufacturing, maintenance, repair or modification
- Supervise and co-ordinate the manufacturing, assembly, modification, repair and overhaul of aircraft and spacecraft
- Co-ordinate ground and flight tests of air and spacecraft
- Develop operational specifications, maintenance schedules and manuals for operators
- Develop the technical phases of logistical and operational support for aerospace vehicles and systems
- Investigate and report on structural or other component or system failures, accidents or incidents and prepare recommendations for corrective action.

Employment requirements

- A bachelor's degree in aerospace engineering or in a related engineering discipline, such as mechanical engineering or engineering physics, is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).

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- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is considerable mobility between aerospace engineering specializations at the less senior levels.
- Supervisory and senior positions in this unit group require experience.
- Aerospace engineers work closely with other scientists and engineers and mobility is possible between some fields of specialization.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2147 Computer engineers (except software engineers and designers)

Computer engineers (except software engineers and designers) research, plan, design, develop, modify, evaluate and integrate computer and telecommunications hardware and related equipment, and information and communication system networks including mainframe systems, local and wide area networks, fibre-optic networks, wireless communication networks, intranets, the Internet and other data communications systems. They are employed by computer and telecommunication hardware manufacturers, by engineering, manufacturing and telecommunications firms, in information technology consulting firms, by governmental, educational and research institutions and in information technology units throughout the private and public sectors.

Illustrative example(s)

- computer hardware engineer
- fibre-optic network designer
- hardware circuit board designer
- hardware development engineer
- hardware technical architect
- network test engineer
- systems designer - hardware
- telecommunications hardware engineer
- wireless communications network engineer

Exclusion(s)

- Computer and information systems managers (0213)
- Computer programmers and interactive media developers (2174)
- Electrical and electronics engineering technologists and technicians (2241)
- Electrical and electronics engineers (2133)
- Engineering managers (0211)
- Information systems analysts and consultants (2171)
- Software engineers and designers (2173)
- Web designers and developers (2175)

Main duties

Computer and telecommunications hardware engineers perform some or all of the following duties:

- Analyze user's requirements, and design and develop system architecture and specifications
- Research, design, develop and integrate computer and telecommunications hardware such as microprocessors, integrated circuit boards and semiconductor lasers
- Develop and conduct design verification simulations and prototype bench tests of components
- Supervise, inspect and provide design support during the manufacturing, installation and implementation of computer and telecommunications hardware
- Establish and maintain relationships with suppliers and clients
- May lead and co-ordinate teams of engineers, technologists, technicians and drafters in the design and development of computer and telecommunications hardware.

Network system and data communication engineers perform some or all of the following duties:

- Research, design and develop information and communication system network architecture
- Research, evaluate and integrate network system and data communication hardware and software
- Assess, document and optimize the capacity and performance of information and communication system networks
- May lead and co-ordinate teams of design professionals in the development and integration of information and communication system architecture, hardware and software.

Computer engineers may specialize in a number of areas including analog and digital signal processing, fibre optics, integrated circuits, lasers, microprocessors, microwaves and radio astronomy.

Employment requirements

- Computer engineers require a bachelor's degree in computer engineering, electrical or electronics engineering, engineering physics or computer science.
- A master's or doctoral degree in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

2148 Other professional engineers, n.e.c.

This unit group includes agricultural and bio-resource engineers, biomedical engineers, engineering physicists and engineering scientists, marine and naval engineers, textile engineers and other specialized engineering occupations which are not classified elsewhere.

Illustrative example(s)

- agricultural engineer
- biomedical engineer
- bio-resource engineer
- engineering physicist
- engineering scientist
- food processing engineer
- marine engineer
- naval architect
- textile engineer

Exclusion(s)

- Biochemical and biotechnical engineers (see 2134 Chemical engineers)
- Engineering managers (0211)
- Marine engineer officers - water transport (see 2274 Engineer officers, water transport)
- Physicists (see 2111 Physicists and astronomers)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Agricultural and bio-resource engineers design and develop machinery, structures, equipment and systems related to agriculture and food processing.
- Biomedical engineers design and develop medical diagnostic and clinical instrumentation, equipment and procedures; develop devices to assist persons with disabilities; advise hospital administrators on planning, acquisition and use of medical equipment; and modify and install or supervise installation of equipment.

- Engineering physicists and engineering scientists conduct research, develop processes, programs and equipment to expand fundamental knowledge in the applied sciences and engineering and to support advanced engineering and scientific applications.
- Marine and naval engineers design and develop marine vessels and floating structures and associated marine power plants, propulsion systems and related systems and equipment and oversee the building, maintenance and repair of vessels and marine systems.
- Textile engineers design and develop processes, equipment and procedures for the production of fibres, yarns and textiles.

Employment requirements

- A bachelor's degree in an appropriate engineering discipline is required.
- A master's degree or doctorate in a related engineering discipline may be required.
- Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports, and to practise as a Professional Engineer (P.Eng.).
- Engineers are eligible for registration following graduation from an accredited educational program, and after three or four years of supervised work experience in engineering and passing a professional practice examination.

Additional information

- There is limited mobility between the engineering specializations included in this unit group.
- Supervisory and senior positions in this unit group require experience.
- Engineers often work in a multidisciplinary environment and acquire knowledge and skills through work experience that may allow them to practise in associated areas of science, engineering, sales, marketing or management.

215 Architects, urban planners and land surveyors

2151 Architects

Architects conceptualize, plan and develop designs for the construction and renovation of commercial, institutional and residential buildings. They are employed by architectural firms, private corporations and governments, or they may be self-employed.

Illustrative example(s)

- architect
- architectural standards specialist
- chief architect
- consulting architect
- industrial and commercial buildings architect
- residential architect

Exclusion(s)

- Architecture and science managers (0212)
- Database architects (see 2172 Database analysts and data administrators)
- Landscape architects (2152)
- Naval architects (see 2148 Other professional engineers, n.e.c.)
- Software architects (see 2173 Software engineers and designers)
- Structural engineers (see 2131 Civil engineers)
- Technical architects, hardware (see 2147 Computer engineers (except software engineers and designers))

Main duties

Architects perform some or all of the following duties:

- Consult with clients to determine the type, style and purpose of renovations or new building construction being considered
- Conceptualize and design buildings and develop plans describing design specifications, building materials, costs and construction schedules

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- Prepare sketches and models for clients
 - Prepare or supervise the preparation of drawings, specifications and other construction documents for use by contractors and tradespersons
 - Prepare bidding documents, participate in contract negotiations and award construction contracts
 - Monitor activities on construction sites to ensure compliance with specifications
 - Conduct feasibility studies and financial analyses of building projects.

Architects may specialize in a particular type of construction such as residential, commercial, industrial or institutional.

Employment requirements

- A bachelor's degree from an accredited school of architecture or
Completion of the syllabus of studies from the Royal Architectural Institute of Canada (RAIC) is required.
- A master's degree in architecture may be required.
- Completion of a three-year internship under the supervision of a registered architect is required.
- Completion of the architect registration examination is required.
- Registration with the provincial association of architects in the province of work is required.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

Additional information

- Progression to senior positions, such as chief architect, is possible with experience.

2152 Landscape architects

Landscape architects conceptualize landscape designs, develop contract documents and oversee the construction of landscape development for commercial projects, office complexes, parks, golf courses and residential development. They are employed by government environmental and development agencies, landscape consulting firms and by architectural and engineering firms, or they are self-employed.

Illustrative example(s)

- golf course architect
- landscape architect
- landscape planner

Exclusion(s)

- Architects (2151)
- Landscape and horticulture technicians and specialists (2225)
- Landscape architecture managers (see 0212 Architecture and science managers)
- Landscape design contractors (see 8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services)
- Urban and land use planners (2153)

Main duties

Landscape architects perform some or all of the following duties:

- Confer with clients to determine design needs
- Survey and assess designated sites and develop designs taking into consideration landscape features, buildings, climate, future usage and other aspects
- Prepare or oversee the preparation of detailed drawings for sites, including features such as trees, shrubs, gardens, lighting, walkways, patios, decks, benches, fences, retaining walls and fountains
- Prepare or oversee preparation of site plans, reports, sketches, models, photographs, maps, land use studies and design plans
- Estimate costs, prepare specifications and evaluate tenders for landscape construction projects
- Conduct environmental design studies, including environmental assessment, planning and the preservation and re-creation of historical sites

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- Conduct community and neighbourhood physical planning studies, participate in multidisciplinary urban design studies and prepare design guidelines
 - May manage and supervise landscape construction work.

Employment requirements

- A bachelor's degree in landscape architecture is required.
- A master's degree in landscape architecture may be required.
- In Ontario and British Columbia, landscape architects require a two-year internship and the successful completion of a provincial registration exam.
- In the remaining provinces and territories, landscape architects usually require two years of landscape design experience and an interview by their respective provincial associations to receive association certification.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

2153 Urban and land use planners

Urban and land use planners develop plans and recommend policies for managing land use, physical facilities and associated services for urban and rural areas and remote regions. They are employed by all levels of government, land developers, engineering and other consulting companies, or may work as private consultants.

Illustrative example(s)

- community and urban planner
- environmental planner
- land use planner
- municipal planner
- park planner
- planner
- recreation planner
- regional planner
- urban planner

Exclusion(s)

- Architects (2151)
- Architecture and science managers (0212)
- Engineering managers (0211)
- Land surveyors (2154)

Main duties

Urban and land use planners perform some or all of the following duties:

- Compile and analyze data on demographic, economic, legal, political, cultural, sociological, physical and other factors affecting land use
- Confer with municipal, provincial and federal authorities, civic leaders, social scientists, lawyers, land developers, the public and special interest groups to formulate and develop land use or community plans
- Prepare and recommend land development concepts and plans for zoning, subdivisions, transportation, public utilities, community facilities, parks, agricultural and other land uses
- Prepare plans for environmental protection, such as wildlife preserves, national and provincial parks, and protection of watersheds
- Present plans to civic, rural and regional authorities and hold public meetings to present plans, proposals or planning studies to the general public and special interest groups
- Review and evaluate proposals for land use and development plans and prepare recommendations
- Process application for land development permits and administer land use plans and zoning by-laws
- Formulate long-range objectives and policies relative to future land use and the protection of the environment
- Supervise and co-ordinate work of urban planning technicians and technologists.

Employment requirements

- A bachelor's degree in urban and regional planning, geography, architecture, engineering or a related discipline is required.
- A master's degree in one of these disciplines may be required.
- Membership in the Canadian Institute of Planners is usually required.
- Membership in a provincial planning institute may be required in some provinces.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

Additional information

- Progression to management positions in planning is possible with experience.

2154 Land surveyors

Land surveyors plan, direct and conduct legal surveys to establish the location of real property boundaries, contours and other natural or human-made features, and prepare and maintain cross-sectional drawings, official plans, records and documents pertaining to these surveys. They are employed by federal, provincial and municipal governments, private sector land surveying establishments, real estate development, natural resource, engineering and construction firms, or they may be self-employed.

Illustrative example(s)

- commissioned land surveyor
- land surveyor
- legal surveyor
- professional land surveyor
- property surveyor

Exclusion(s)

- Engineering managers (0211)
- Engineering technologists and technicians who apply geotechnical and topographical information to land use and urban planning (see 2231 Civil engineering technologists and technicians)
- Geomatics and survey engineers (see 2131 Civil engineers)
- Hydrographic surveyors (see 2113 Geoscientists and oceanographers)
- Land survey technologists and technicians (2254)
- Technical occupations in geomatics and meteorology (2255)
- Urban and land use planners (2153)

Main duties

Land surveyors perform some or all of the following duties:

- Develop survey plans, methods and procedures for conducting legal surveys
- Plan, direct and supervise or conduct surveys to establish and mark legal boundaries of properties, parcels of lands, provincial and Canada Lands, Aboriginal land claims, wellsites, mining claims, utility rights-of-way, roadways and highways
- Survey and lay out subdivisions for rural and urban development
- Determine precise locations using electronic distance measuring equipment and global positioning systems (GPS)
- Analyze, manage and display data using geographic information systems (GIS) and computer-aided design and drafting (CAD)
- Record all measurements and other information obtained during survey activities
- Prepare or supervise the preparation and compilation of all data, plans, charts, records and documents related to surveys of real property boundaries
- Certify and assume liability for surveys made to establish real property boundaries
- Advise, provide consultation and testify as an expert witness on matters related to legal surveys.

Employment requirements

- A bachelor's degree in geomatics engineering or survey engineering

or

A college diploma in survey science or geomatics technology with additional academic credits and successful completion of equivalent examinations set by a regional board of examiners for land surveyors is required.

- A one- to three-year articling period is required.
- Successful completion of professional land surveyor examinations is required.
- A federal or provincial land surveyor's licence is required.

Additional information

- Federal statutes require a separate license from the Association of Canada Land Surveyors to survey areas such as national parks, Aboriginal lands, offshore areas and northern territories.

216 Mathematicians, statisticians and actuaries

2161 Mathematicians, statisticians and actuaries

Mathematicians and statisticians research mathematical or statistical theories, and develop and apply mathematical or statistical techniques for solving problems in such fields as science, engineering, business and social science. Actuaries apply mathematics, statistics, probability and risk theory to assess potential financial impacts of future events. Mathematicians, statisticians and actuaries are employed by universities, governments, bank and trust companies, insurance companies, pension benefit consulting firms, professional associations, and science and engineering consulting firms.

Illustrative example(s)

- actuary
- biostatistician
- consulting actuary
- demographer
- insurance actuary
- mathematician
- statistical analyst
- statistician

Exclusion(s)

- Financial and investment analysts (1112)
- Financial auditors and accountants (1111)
- Financial managers (0111)
- Insurance, real estate and financial brokerage managers (0121)
- Other financial officers (1114)
- Statistical officers and related research support occupations (1254)

Main duties

Mathematicians, statisticians and actuaries perform some or all of the following duties:

- Mathematicians conduct research to extend mathematical knowledge in traditional areas of mathematics such as algebra, geometry, probability and logic and apply mathematical techniques to the solution of problems in scientific fields such as physical science, engineering, computer science or other fields such as operations research, business or management.
- Statisticians conduct research into the mathematical basis of the science of statistics, develop statistical methodology and advise on the practical application of statistical methodology. They also apply statistical theory and methods to provide information in scientific and other fields such as biological and agricultural science, business and economics, physical sciences and engineering, and the social sciences.
- Actuaries apply mathematical models to forecast and calculate the probable future costs of insurance and pension benefits. They design life, health, and property insurance policies, and calculate premiums, contributions and benefits for insurance policies, and pension and superannuation plans. They may assist investment fund managers in portfolio asset allocation decisions and risk management. They also use these techniques to provide legal evidence on the value of future earnings.

Employment requirements

- Mathematicians and statisticians usually require a graduate degree in mathematics or statistics.
- Actuaries usually require post-secondary education in actuarial science, mathematics, statistics, economics, commerce or business administration.
- Actuaries are conferred fellowships through the Canadian Institute of Actuaries upon successful completion of professional examinations and
Three years of work experience in the actuarial field as an actuarial assistant or in a related position.

Additional information

- With experience, actuaries may progress to managerial positions in consulting, insurance and finance. They may also be self-employed.

217 Computer and information systems professionals**2171 Information systems analysts and consultants**

Information systems analysts and consultants analyze systems requirements, develop and implement information systems development plans, policies and procedures, and provide advice on a wide range of information systems issues. They are employed in information technology consulting firms and in information technology units throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- computer systems analyst
- informatics consultant
- informatics security analyst
- information systems business analyst
- information systems quality assurance analyst
- IT (information technology) consultant
- management information systems (MIS) analyst
- systems auditor
- systems consultant
- systems security analyst

Exclusion(s)

- Computer and information systems managers (0213)
- Computer engineers (except software engineers and designers) (2147)
- Computer programmers and interactive media developers (2174)
- Database analysts and data administrators (2172)
- Financial auditors and accountants (1111)
- Professional occupations in business management consulting (1122)
- Software engineers and designers (2173)
- Web designers and developers (2175)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Information systems business analysts and consultants confer with clients to identify and document requirements, conduct business and technical studies, design, develop, integrate and implement information systems business solutions, and provide advice on information systems strategy, policy, management, security and service delivery.
- Systems security analysts confer with clients to identify and document requirements, assess physical and technical security risks to data, software and hardware, and develop policies, procedures and contingency plans to minimize the effects of security breaches.
- Information systems quality assurance analysts develop and implement policies and procedures throughout the software development life cycle to maximize the efficiency, effectiveness and overall quality of software products and information systems.

- Systems auditors conduct independent third-party reviews to assess quality assurance practices, software products and information systems.

Employment requirements

- A bachelor's degree in computer science, computer systems engineering, software engineering, business administration or a related discipline
or
Completion of a college program in computer science is usually required.
- Experience as a computer programmer is usually required.
- Certification or training provided by software vendors may be required by some employers.

2172 Database analysts and data administrators

Database analysts design, develop and administer data management solutions using database management software. Data administrators develop and implement data administration policy, standards and models. They are employed in information technology consulting firms and in information technology units throughout the private and public sectors.

Illustrative example(s)

- data administrator
- data custodian
- data dictionary administrator
- data warehouse analyst
- database administrator (DBA)
- database analyst
- database architect
- technical architect - database

Exclusion(s)

- Computer and information systems managers (0213)
- Computer engineers (except software engineers and designers) (2147)
- Computer programmers and interactive media developers (2174)
- Information systems analysts and consultants (2171)
- Software engineers and designers (2173)
- Web designers and developers (2175)

Main duties

Database analysts perform some or all of the following duties:

- Collect and document user requirements
- Design and develop database architecture for information systems projects
- Design, construct, modify, integrate, implement and test data models and database management systems
- Conduct research and provide advice to other informatics professionals regarding the selection, application and implementation of database management tools
- Operate database management systems to analyze data and perform data mining analysis.
- May lead, co-ordinate or supervise other workers in this group.

Data administrators perform some or all of the following duties:

- Develop and implement data administration policy, standards and models
- Research and document data requirements, data collection and administration policy, data access rules and security
- Develop policies and procedures for network and/or Internet database access and usage and for the backup and recovery of data
- Conduct research and provide advice to other information systems professionals regarding the collection, availability, security and suitability of data
- Write scripts related to stored procedures and triggers
- May lead and co-ordinate teams of data administrators in the development and implementation of data policies, standards and models.

Employment requirements

- A bachelor's degree, usually in computer science or in mathematics or
Completion of a college program in computer science is usually required.
- Computer programming experience is usually required.

2173 Software engineers and designers

Software engineers and designers research, design, evaluate, integrate and maintain software applications, technical environments, operating systems, embedded software, information warehouses and telecommunications software. They are employed in information technology consulting firms, information technology research and development firms, and information technology units throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- application architect
- computer software engineer
- embedded software engineer
- software architect
- software design engineer
- software design verification engineer
- software designer
- software testing engineer
- systems integration engineer - software
- technical architect - software
- telecommunications software engineer

Exclusion(s)

- Computer and information systems managers (0213)
- Computer engineers (except software engineers and designers) (2147)
- Computer programmers and interactive media developers (2174)
- Database analysts and data administrators (2172)
- Electrical and electronics engineers (2133)
- Information systems analysts and consultants (2171)
- Information systems testing technicians (2283)
- Web designers and developers (2175)

Main duties

Software engineers and designers perform some or all of the following duties:

- Collect and document users' requirements and develop logical and physical specifications
- Research, evaluate and synthesize technical information to design, develop and test computer-based systems
- Develop data, process and network models to optimize architecture and to evaluate the performance and reliability of designs
- Plan, design and co-ordinate the development, installation, integration and operation of computer-based systems
- Assess, test, troubleshoot, document, upgrade and develop maintenance procedures for operating systems, communications environments and applications software
- May lead and co-ordinate teams of information systems professionals in the development of software and integrated information systems, process control software and other embedded software control systems.

Employment requirements

- A bachelor's degree, usually in computer science, computer systems engineering, software engineering or mathematics or
Completion of a college program in computer science is usually required.

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- A master's or doctoral degree in a related discipline may be required.
 - Licensing by a provincial or territorial association of professional engineers is required to approve engineering drawings and reports and to practise as a Professional Engineer (P.Eng.).
 - Engineers are eligible for registration following graduation from an accredited educational program, three or four years of supervised work experience in engineering, and passing a professional practice examination.
 - Experience as a computer programmer is usually required.

2174 Computer programmers and interactive media developers

Computer programmers write, modify, integrate and test computer code for microcomputer and mainframe software applications, data processing applications, operating systems-level software and communications software. Interactive media developers write, modify, integrate and test computer code for Internet applications, computer-based training software, computer games, film, video and other interactive media. They are employed in computer software development firms, information technology consulting firms, and in information technology units throughout the private and public sectors.

Illustrative example(s)

- application programmer
- business application programmer
- computer game developer
- computer programmer
- e-business (electronic business) software developer
- interactive media developer
- multimedia developer
- operating systems programmer
- programmer analyst
- scientific programmer
- software developer
- software programmer
- systems programmer
- Web programmer

Exclusion(s)

- Computer network technicians (2281)
- Database analysts and data administrators (2172)
- E-business managers (see 0124 Advertising, marketing and public relations managers)
- Graphic designers and illustrators (5241)
- Information systems analysts and consultants (2171)
- Information systems testing technicians (2283)
- Software engineers and designers (2173)
- Web designers and developers (2175)

Main duties

Computer programmers perform some or all of the following duties:

- Write, modify, integrate and test software code
- Maintain existing computer programs by making modifications as required
- Identify and communicate technical problems, processes and solutions
- Prepare reports, manuals and other documentation on the status, operation and maintenance of software
- Assist in the collection and documentation of user requirements
- Assist in the development of logical and physical specifications
- May lead and co-ordinate teams of computer programmers
- May research and evaluate a variety of software products.

Interactive media developers perform some or all of the following duties:

- Program animation software to predefined specifications for interactive CDs, DVDs, video game cartridges and Internet-based applications

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- Program special effects software for film and video applications
 - Write, modify, integrate and test software code for e-commerce and other Internet applications
 - Assist in the collection and documentation of user requirements
 - Assist in the development of logical and physical specifications
 - May lead and co-ordinate teams of interactive media developers
 - May research and evaluate a variety of interactive media software products.

Employment requirements

- A bachelor's degree in computer science or in another discipline with a significant programming component
or
Completion of a college program in computer science is usually required.
- Specialization in programming for engineering and scientific applications requires specific post-secondary study or experience.

Additional information

- Progression to information systems analyst, software engineer or Web designer is possible with experience.

2175 Web designers and developers

Web designers and developers research, design, develop and produce Internet and Intranet sites. They are employed in computer software development firms, information technology consulting firms, information technology units throughout the private and public sectors, advertising agencies or they may be self-employed.

Illustrative example(s)

- e-business Web site developer
- Internet site designer
- Internet site developer
- Intranet site designer
- Web designer
- Web developer
- Web manager
- Web site developer
- Webmaster

Exclusion(s)

- Computer network technicians (2281)
- Computer programmers and interactive media developers (2174)
- E-business managers (see 0124 Advertising, marketing and public relations managers)
- Graphic designers and illustrators (5241)
- Information systems analysts and consultants (2171)
- Information systems testing technicians (2283)
- Network systems engineers (see 2147 Computer engineers (except software engineers and designers))

Main duties

Web designers and developers perform some or all of the following duties:

- Consult with clients to develop and document Web site requirements
- Prepare mock-ups and storyboards
- Develop Web site architecture and determine hardware and software requirements
- Source, select and organize information for inclusion and design the appearance, layout and flow of the Web site
- Create and optimize content for the Web site using a variety of graphics, database, animation and other software
- Plan, design, write, modify, integrate and test Web-site related code
- Conduct tests and perform security and quality controls

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- May lead and co-ordinate multidisciplinary teams to develop Web site graphics, content, capacity and interactivity
 - May research and evaluate a variety of interactive media software products.

Employment requirements

- A bachelor's degree, usually in computer science, communications or business or
Completion of a college program in computer science, graphic arts, Web design or business is required.
- Experience as a computer programmer or graphic designer is usually required.

22 Technical occupations related to natural and applied sciences

221 Technical occupations in physical sciences

2211 Chemical technologists and technicians

Chemical technologists and technicians provide technical support and services or may work independently in chemical engineering, chemical and biochemical research and analysis, industrial chemistry, chemical quality control and environmental protection. They are employed by research and development and quality control laboratories, consulting engineering companies, in chemical, petrochemical, pharmaceutical and a variety of other manufacturing and processing industries, and by utilities, health, educational and government establishments.

Illustrative example(s)

- analytical technician, chemical
- biochemistry technologist
- chemical analyst
- chemical engineering technician
- chemical engineering technologist
- chemical laboratory analyst
- chemical research technician
- chemical technician
- chemical technologist
- food technologist
- formulation technician
- geochemical technician
- industrial hygiene technologist
- mass spectrometer technician
- master dyer - textiles
- paint technician
- pilot plant technician
- quality control technician - chemical processing
- quality control technician - food processing

Exclusion(s)

- Biochemistry technologists working as medical laboratory technologists (see 3211 Medical laboratory technologists)
- Process technicians who operate the controls of chemical or petrochemical processing plants (see 9232 Petroleum, gas and chemical process operators)

Main duties

Chemical technologists perform some or all of the following duties:

- Set up and conduct chemical experiments, tests and analyses using techniques such as chromatography, spectroscopy, physical and chemical separation techniques and microscopy
- Operate and maintain laboratory equipment and apparatus and prepare solutions of gas or liquid, reagents, and sample formulations
- Compile records and interpret experimental or analytical results

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- Develop and conduct programs of sampling and analysis to maintain quality standards of raw materials, chemical intermediates and products
 - Assist in the development of chemical engineering processes, studies of chemical engineering procurement, construction, inspection and maintenance and the development of standards, procedures and health and safety measures
 - Operate experimental chemical or petrochemical pilot plants
 - Conduct or assist in air and water quality testing and assessments, environmental monitoring and protection activities, and development of and compliance with standards
 - Assist in synthesis of small molecules for the purpose of creating drug candidates
 - Assist in the design and fabrication of experimental apparatus.

Chemical technicians perform some or all of the following duties:

- Assist in setting up and conducting chemical experiments, tests and analyses
- Operate and maintain laboratory equipment and apparatus and prepare solutions of gas and liquid, reagents and sample formulations
- Compile records for analytical studies
- Assist in developing and conducting programs of sampling and analysis to maintain quality standards
- Carry out a limited range of other technical functions in support of chemical research, tests and analyses, and environmental air and water quality monitoring and protection
- Assist in the design and fabrication of experimental apparatus.

Employment requirements

- Chemical technologists usually require completion of a two- or three-year college program in chemical, biochemical or chemical engineering technology or a closely related discipline.
- Chemical technicians usually require completion of a one- or two-year college program in chemical, biochemical or chemical engineering technology.
- National certification for chemical technologists and technicians is available through the Canadian Society for Chemical Technology.
- Certification in chemical engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required by employers.
- In Quebec, membership in the regulatory body is required to use the title "Professional Technologist."
- A period of supervised work experience, usually two years, is required before certification.

Additional information

- Considerable mobility is possible among jobs within this occupational group.
- Progression to managerial positions is possible with experience.
- Some chemical technologists and technicians working in support of fundamental research in chemistry or biochemistry are university graduates.

2212 Geological and mineral technologists and technicians

Geological and mineral technologists and technicians provide technical support and services or may work independently in the fields of oil and gas exploration and production, geophysics, petroleum engineering, geology, mining and mining engineering, mineralogy, extractive and physical metallurgy, metallurgical engineering and environmental protection. They are employed by petroleum and mining companies, consulting geology and engineering firms, and by governments and educational institutions as well as by a variety of manufacturing, construction and utilities companies.

Illustrative example(s)

- assayer
- geological technician
- geophysical technologist
- groundwater technologist
- log technician
- marine geoscience technologist
- metallurgical technologist

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- mineralogy technician
 - mining engineering technologist
 - mining technologist
 - petroleum engineering technologist
 - petroleum technician
 - petrology technician
 - reservoir engineering technician
 - rock mechanics technician
 - seismic technician
 - welding technologist

Exclusion(s)

- Civil engineering technologists and technicians (2231)
- Contractors and supervisors, oil and gas drilling and services (8222)
- Electrical and electronics engineering technologists and technicians (2241)
- Supervisors, mining and quarrying (8221)
- Technical occupations in geomatics and meteorology (2255)
- Technologists and technicians whose primary duties are to perform chemical laboratory tests (see 2211 Chemical technologists and technicians)

Main duties

Geological and mineral technologists perform some or all of the following duties:

- Conduct or direct geological, geophysical, geochemical, hydrographic or oceanographic surveys, prospecting field trips, exploratory drilling, well logging or underground mine survey programs
- Configure, operate and maintain geophysical survey and well logging instruments and equipment
- Prepare notes, sketches, geological maps and cross sections
- Prepare, transcribe or analyze seismic, gravimetric, well log or other geophysical and survey data
- Assist engineers and geologists in the evaluation and analysis of petroleum and mineral reservoirs
- Prepare or supervise the preparation of rock, mineral or metal samples and perform physical and chemical laboratory tests
- Conduct or assist in environmental audits, in the design of measures to minimize undesirable environmental effects of new or expanded mining and oil and gas operations, and in the development of waste management and other related environmental protection procedures
- May supervise oil and gas well drilling, well completions and work-overs
- May conduct or supervise studies and programs related to mine development, mining methods, mine ventilation, lighting, drainage and ground control
- May assist engineers and metallurgists in specifying material selection, metal treatments or corrosion protection systems
- May assist hydrogeologists in evaluating groundwater and well circulation and in report preparation
- May develop specifications for heat treatment of metals or for welding, design welding fixtures, troubleshoot welding processes or quality problems and supervise welding projects
- May co-ordinate crew members' activities during seismic tests.

Geological and mineral technicians perform some or all of the following duties:

- Participate in geological, geophysical, geochemical, hydrographic or oceanographic surveys, prospecting field trips, exploratory drilling, well logging or underground mine survey programs and in environmental audits and related environmental protection activities
- Operate and maintain geophysical survey and well logging instruments and equipment
- Prepare notes, sketches, geological maps and cross sections
- Assist in preparing, transcribing or analyzing seismic, gravimetric, well log or other geophysical and survey data
- Assist in the preparation of rock, mineral or metal samples and in conducting physical and chemical laboratory tests
- Assist in hydrogeological field and laboratory studies and in preparation of reports
- Carry out a limited range of other technical functions in support of geology, geophysics and petroleum and mining engineering.

Employment requirements

- Geological and mineral technologists usually require completion of a two- to three-year college program in geological technology, petroleum technology, petroleum engineering technology, hydrogeology or groundwater technology, mining technology, mining engineering technology, mineralogy, metallurgical technology, or welding technology.
- Geophysics technologists usually require completion of a two- to three-year college program in electronics technology.
- Geological and mineral technicians usually require completion of a one- to two-year college program in a related field.
- Certification in geological and mineral technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required by employers.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."
- A period of supervised work experience, usually two years, is required before certification.

Additional information

- There is limited mobility among occupations in this group.
- Mobility may be possible between geophysical technology and electronic technology.
- Mobility may be possible between some occupations in this group and related fields of civil engineering technology.

222 Technical occupations in life sciences**2221 Biological technologists and technicians**

Biological technologists and technicians provide technical support and services to scientists, engineers and other professionals working in fields such as agriculture, resource management, environmental protection, plant and animal biology, microbiology, cell and molecular biology and health sciences, or may work independently in these fields. They are employed in both laboratory and field settings by governments, manufacturers of food products, chemicals and pharmaceuticals, biotechnology companies, health, research and educational institutions, environmental consulting companies, and resource and utilities companies.

Illustrative example(s)

- agricultural technician
- agricultural technologist
- agrology technician
- aquaculture technician
- bacteriological technician
- biological laboratory technologist
- botanical technician
- fish hatchery technician
- fisheries technician
- food bacteriological technician
- microbiology quality control technologist
- microbiology technologist (except medical)
- plant breeding technician
- seed technologist
- wildlife biology technician

Exclusion(s)

- Agricultural and fish products inspectors (2222)
- Biochemistry technologists and biochemistry laboratory technicians (see 2211 Chemical technologists and technicians)
- Biologists and related scientists (2121)

- Biomedical engineering technologists (see 2241 Electrical and electronics engineering technologists and technicians)
- Conservation and fishery officers (2224)
- Forestry technologists and technicians (2223)
- Medical laboratory technicians and pathologists' assistants (3212)
- Medical laboratory technologists (3211)

Main duties

Biological technologists perform some or all of the following duties:

- Set up and conduct biological, microbiological and biochemical tests and laboratory analyses in support of research and quality control in food production, sanitation, pharmaceutical production, biotechnology and other fields
- Apply methods and techniques such as microscopy, histochemistry, chromatography, electrophoresis and spectroscopy
- Perform experimental procedures in agriculture, plant breeding, animal husbandry, biology and biomedical research
- Conduct field research and surveys to collect data and samples of water, soil, and plant and animal populations
- Conduct environmental monitoring and compliance activities for the protection of fisheries stock, wildlife and other natural resources
- Analyze data and prepare reports
- Conduct or supervise operational programs such as fish hatchery, greenhouse and livestock production programs.

Biological technicians perform some or all of the following duties:

- Assist in conducting biological, microbiological and biochemical tests and laboratory analyses
- Perform limited range of technical functions in support of agriculture, plant breeding, animal husbandry, biology, biomedical research and environmental protection
- Assist in conducting field research and surveys to collect data and samples of water, soil, and plant and animal populations
- Assist in analysis of data and preparation of reports.

Employment requirements

- Completion of a two- to three-year college program in a field related to agriculture, biology, microbiology, wildlife or resource management is usually required for employment as a biological technologist.
- Completion of a one- to two-year college program in a related field is required for employment as a biological technician.
- Certification with provincial associations is available, but voluntary.

Additional information

- There is limited mobility among occupations in this group.
- Some technologists and technicians working in support of government and academic research in biology are university graduates.

2222 Agricultural and fish products inspectors

Agricultural and fish products inspectors inspect agricultural and fish products for conformity to prescribed production, storage and transportation standards. They are employed by government departments and agencies and by private sector food processing companies. Supervisors of agricultural and fish products inspectors are also included in this group.

Illustrative example(s)

- agricultural products inspector
- crop certification inspector
- dairy products inspector
- fish inspector
- fish products inspector

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- fruit and vegetables inspector
 - grain inspector
 - livestock inspector
 - meat inspector
 - plant protection inspector
 - poultry inspector
 - supervisor, agricultural products inspection
 - supervisor, fish products inspection

Exclusion(s)

- Biological technologists and technicians (2221)
- Fish graders and meat graders who perform routine quality control duties or tally landed fish (see 9465 Testers and graders, food, beverage and associated products processing)
- Forestry technologists and technicians (2223)
- Inspectors in public and environmental health and occupational health and safety (2263)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Fish and fish products inspectors inspect fish, fish products, fish handling and processing methods and prepare reports and ensure that regulations are followed.
- Fruit and vegetables inspectors inspect fresh and frozen fruit and vegetables at inspection centres and prepare reports on crop production and market conditions.
- Grain inspectors inspect and grade all classes of grain at terminal elevators, monitor the fumigation of infested grain, and examine storage, handling and transportation equipment to ensure that sanitary procedures are followed.
- Meat inspectors monitor the operations and sanitary conditions of slaughtering and meat processing plants and inspect carcasses to ensure they are fit for human consumption.
- Plant protection inspectors certify seed crops, oversee the quarantine, treatment or destruction of plants and plant products, and the fumigation of plants and plant product imports and exports.

Employment requirements

- Completion of secondary school is required.
- Government inspectors usually require a bachelor's degree or college diploma in agriculture, biology, chemistry, food processing technology or a related discipline.
- Inspectors (other than government) may require a bachelor's degree or college diploma in a related discipline.
- Several years of experience in agricultural production or fish processing are usually required.
- Completion of in-house training courses is required.

Additional information

- Progression to managerial positions in this field is possible with experience.

2223 Forestry technologists and technicians

Forestry technologists and technicians may work independently or perform technical and supervisory functions in support of forestry research, forest management, forest harvesting, forest resource conservation and environmental protection. They are employed by the forest industry sector, provincial and federal governments, consulting firms, and other industries and institutions, or they may be self-employed.

Illustrative example(s)

- conservation technician - forestry
- cruising technician - forestry
- enforcement officer - forestry
- extension ranger - forestry
- fire suppression officer - forestry
- forest fire technician

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- forest survey technician
 - forest technician
 - forestry technician
 - forestry technologist
 - resource officer, forest inventory
 - resource technician - forestry
 - scaler technician - logging
 - scaling co-ordinator - logging
 - silviculture technician

Exclusion(s)

- Biological technologists and technicians (2221)
- Conservation and fishery officers (2224)
- Foresters and forest engineers (see 2122 Forestry professionals)
- Supervisors, logging and forestry (8211)

Main duties

Forestry technologists and technicians perform some or all of the following duties:

- Conduct, supervise and participate in forest inventory cruises, surveys and field measurements following accepted scientific and operational procedures
- Assist and perform technical functions in the preparation of forest management and harvest plans using photogrammetric and mapping techniques and computerized information systems
- Assist in planning and supervise construction of access routes and forest roads
- Implement, supervise and perform technical functions in silvicultural operations involving site preparation, planting, and tending of tree crops
- Co-ordinate activities such as timber scaling, forest fire suppression, disease or insect control or pre-commercial thinning of forest stands
- Supervise and perform technical functions in forest harvesting operations
- Monitor activities of logging companies and contractors and enforce regulations such as those concerning environmental protection, resource utilization, fire safety and accident prevention
- Provide forestry education, advice and recommendations to woodlot owners, community organizations and the general public
- Develop and maintain computer databases
- Supervise forest tree nursery operations
- Provide technical support to forestry research programs in areas such as tree improvement, seed orchard operations, insect and disease surveys or experimental forestry and forest engineering research.

Employment requirements

- Completion of a one- to three-year college program in forestry technology or in a renewable resource program or forest ranger program is usually required.
- Certification by, or registration with, a provincial association as a forestry technologist or technician may be required.
- Certification or licensing as a scaler is required for some positions.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- Mobility may be possible to occupations in natural resource and wildlife management and in parks management.

2224 Conservation and fishery officers

This unit group includes conservation and fishery officers, inspectors and observers who enforce federal and provincial regulations established for the protection of fish, wildlife and other natural resources and collect and relay information on resource management. They are employed by federal and provincial government departments.

Illustrative example(s)

- conservation officer
- fish and wildlife officer
- fishery officer
- forest ranger - wildlife management
- game officer
- game warden
- natural resources officer
- park ranger

Exclusion(s)

- Biological technologists and technicians (2221)
- Fish inspectors (see 2222 Agricultural and fish products inspectors)
- Forestry technologists and technicians (2223)

Main duties

Conservation and fishery officers, inspectors and observers perform some or all of the following duties:

- Generate public awareness of fish and wildlife conservation and regulations
- Conduct patrols by truck, aircraft, boat, or on foot, to ensure compliance with the provincial and federal statutes relating to fish, wildlife and the environment
- Investigate complaints, arrest violators, prepare briefs and present evidence in court
- Issue licences, export documents and special permits and collect royalties assessed on fish, wildlife and timber resources
- Implement and supervise approved techniques in preventing or overcoming damage caused by wildlife
- Perform resource protection duties, such as inspecting fishing gear and equipment and monitoring fishing activities for compliance with regulations
- Gather resource data by making inventories of fish, collecting water samples and assisting biologists in scientific research
- Supervise or provide firearms safety training courses and trapper education courses.

Employment requirements

- Completion of a college program in renewable resources management, environmental conservation or a related discipline is usually required.
- On-the-job training and courses related to law enforcement and resource management are provided.
- A class-5 driver's licence, pesticide applicator's licence and explosives licence may be required.

Additional information

- Progression to senior and supervisory positions is possible with experience.

2225 Landscape and horticulture technicians and specialists

This unit group includes those who survey and assess landscapes; draw sketches and build models of landscape designs; construct and maintain gardens, parks, golf courses and other landscaped environments; advise clients on issues related to horticulture such as irrigation; breed, cultivate and study plants; and treat injured and diseased trees and plants. They are employed by landscape designers and contractors, lawn service and tree care establishments, golf courses, nurseries and greenhouses, and municipal, provincial and national parks, or they may be self-employed.

Illustrative example(s)

- arborist
- golf course superintendent
- greenskeeper
- horticultural technician
- horticulture specialist
- horticulturist
- hydroponics technician

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- landscape architectural technician
 - landscape designer
 - landscape gardener
 - landscape technician
 - landscaper
 - lawn care specialist
 - tree service technician

Exclusion(s)

- Biological technologists and technicians (2221)
- Botanists (see 2121 Biologists and related scientists)
- Contractors and supervisors, landscaping, grounds maintenance and horticulture services (8255)
- Forestry technologists and technicians (2223)
- Landscape architects (2152)
- Managers in horticulture (0822)
- Nursery and greenhouse workers (8432)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Arborists and tree service technicians examine trees and shrubs to diagnose problems and disease, and apply various treatments such as pruning, spraying, repairing damaged areas and injecting with treatment solutions.
- Golf course superintendents direct crews who maintain the health and appearance of golf courses and their surrounding landscapes, plant and move trees, and apply fertilizers, fungicides, herbicides and pesticides.
- Horticulturists plan and co-ordinate the growth and use of plants for landscaping, ornamental uses and other purposes.
- Landscape designers and landscape architectural technicians and technologists survey and assess sites, prepare drawings, sketches and reports and perform other duties to assist landscape architects in designing landscaped environments.
- Landscape gardeners plant and maintain private and public lawns and gardens.
- Landscapers plan and construct landscaped environments which may include trees, shrubberies, lawns, fences, decks, patios and other landscape structures.
- Lawn care specialists visit clients, assess the health of lawns, and apply fertilizer, pesticides and other lawn care products.

Employment requirements

- Completion of a university or college program in agronomy, arboriculture, horticulture, landscaping, landscape design or landscape technology is usually required.
- Experience as a landscape and grounds maintenance labourer may be required for golf course superintendents, landscape gardeners and landscapers.
- An apprenticeship program is available for horticulturists, arboriculturists and landscape gardeners.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.
- In Quebec, membership in the regulatory body is required to use the title of Professional Technologist.

223 Technical occupations in civil, mechanical and industrial engineering

2231 Civil engineering technologists and technicians

Civil engineering technologists and technicians provide technical support and services to scientists, engineers and other professionals, or may work independently in fields such as structural engineering, municipal engineering, construction design and supervision, highways and transportation engineering, water resources engineering, geotechnical engineering and environmental protection. They are employed by consulting engineering and construction companies, public works, transportation and other government departments and in many other industries.

Illustrative example(s)

- bridge design technician
- building materials technician
- civil engineering technician
- civil engineering technologist
- construction technologist
- foundation technologist
- highway technician
- municipal engineering assistant
- soil technologist - civil engineering
- specifications writer, construction
- structural design technologist
- structural investigator

Exclusion(s)

- Architectural technologists and technicians (2251)
- Construction estimators (2234)
- Construction inspectors (2264)
- Construction managers (0711)
- Drafting technologists and technicians (2253)
- Land survey technologists and technicians (2254)
- Urban and land use planners (2153)

Main duties

Civil engineering technologists perform some or all of the following duties:

- Develop engineering designs and drawings from preliminary concepts and sketches
- Prepare construction specifications, cost and material estimates, project schedules and reports
- Supervise or conduct field surveys, inspections or technical investigations of topography, soils, drainage and water supply systems, road and highway systems, buildings and structures to provide data for engineering projects
- Conduct or supervise inspection and testing of construction materials
- May supervise, monitor and inspect construction projects.

Civil engineering technicians perform some or all of the following duties:

- Assist in developing engineering specifications and drawings
- Participate in field surveys, inspections or technical investigations of topography, soils, drainage and water supply systems, road and highway systems, buildings and structures to provide data for engineering projects
- Perform other technical functions in support of civil engineering activities.

Employment requirements

- Completion of a two- or three-year college program in civil engineering technology or a closely related discipline is usually required for civil engineering technologists.
- Completion of a one- or two-year college program in civil engineering technology is usually required for civil engineering technicians.
- Certification in civil engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- There is mobility to related occupations, such as drafting technologists and technicians and construction inspectors and estimators.
- Progression to construction supervisors or construction managers is possible with experience.

2232 Mechanical engineering technologists and technicians

Mechanical engineering technologists and technicians provide technical support and services or may work independently in mechanical engineering fields such as the design, development, maintenance and testing of machines, components, tools, heating and ventilating systems, power generation and power conversion plants, manufacturing plants and equipment. They are employed by consulting engineering, manufacturing and processing companies, institutions and government departments.

Illustrative example(s)

- aeronautical technologist
- heating designer
- HVAC (heating, ventilation and air conditioning) technologist
- machine designer
- marine engineering technologist
- mechanical engineering technician
- mechanical engineering technologist
- mechanical technologist
- mould designer
- thermal station technician
- tool and die designer
- tool designer

Exclusion(s)

- Drafting technologists and technicians (2253)
- Industrial designers (2252)
- Managers in manufacturing and utilities (091)
- Technical sales specialists - wholesale trade (6221)

Main duties

Mechanical engineering technologists perform some or all of the following duties:

- Prepare and interpret conventional and computer-assisted design (CAD) engineering designs, drawings, and specifications for machines and components, power transmission systems, process piping, heating, ventilating and air-conditioning systems
- Prepare cost and material estimates, project schedules and reports
- Conduct tests and analyses of machines, components and materials to determine their performance, strength, response to stress and other characteristics
- Design moulds, tools, dies, jigs and fixtures for use in manufacturing processes
- Inspect mechanical installations and construction
- Prepare contract and tender documents
- Supervise, monitor and inspect mechanical installations and construction projects
- Prepare standards and schedules and supervise mechanical maintenance programs or operations of mechanical plants.

Mechanical engineering technicians perform some or all of the following duties:

- Assist in preparing conventional and computer-assisted design (CAD) engineering designs, drawings and specifications
- Carry out a limited range of mechanical tests and analyses of machines, components and materials
- Assist in the design of moulds, tools, dies, jigs and fixtures for use in manufacturing processes
- Assist in inspection of mechanical installations and construction projects
- Participate in the installation, repair and maintenance of machinery and equipment.

Employment requirements

- Completion of a two- or three-year college program in mechanical engineering technology is usually required for mechanical engineering technologists.
- Completion of a one- or two-year college program in mechanical engineering technology is usually required for mechanical engineering technicians.

- Certification in mechanical engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body is required to use the title "Professional Technologist."

Additional information

- There is mobility to other related occupations such as technical sales or drafting technologists and technicians.
- Progression to supervisory occupations such as mechanical construction supervisor, manufacturing supervisor or operations maintenance manager is possible with experience.

2233 Industrial engineering and manufacturing technologists and technicians

Industrial engineering and manufacturing technologists and technicians may work independently or provide technical support and services in the development of production methods, facilities and systems, and the planning, estimating, measuring and scheduling of work. They are employed by manufacturing and insurance companies, government departments, and establishments in other industries.

Illustrative example(s)

- CAD/CAM programmer
- industrial engineering technician
- industrial engineering technologist
- loss prevention technologist - manufacturing
- manufacturing technician
- manufacturing technologist
- planning technician
- plastics manufacturing technician
- pulp and paper manufacturing technologist
- quality assurance technologist
- scheduling technician - manufacturing
- textile technologist
- time study analyst

Exclusion(s)

- Machining, metal forming, shaping and erecting trades (723)
- Technical sales specialists - wholesale trade (6221)
- Textile technologists/technicians working in support of chemical dyeing and finishing and quality control technologists/technicians in food or chemical industries or laboratories (see 2211 Chemical technologists and technicians)

Main duties

Industrial engineering and manufacturing technologists perform some or all of the following duties:

- Develop and conduct production, inventory and quality assurance programs in manufacturing or in other industries
- Design plant layouts and production facilities
- Develop and carry out work study and related programs
- Develop and carry out industrial health, safety and fire prevention plans and programs and conduct safety training programs
- Develop applications using CAD/CAM (computer-assisted drafting, computer-assisted manufacturing) for the control of robots, computer numerical control (CNC) machines and other manufacturing processes and operations.

Industrial engineering and manufacturing technicians perform some or all of the following duties:

- Assist in the design of plant layouts
- Conduct work measurement or other studies

- Collect and compile operational or experimental data and assist in the development of estimates, schedules, specifications and reports
- Collect and analyze data and samples in support of quality assurance and industrial health and safety programs
- Develop manufacturing and processing procedures and variables, set machine or equipment controls, oversee production and inspect processes.

Technologists and technicians in this unit group may specialize in the development of production processes, quality assurance programs, plans and schedules in a particular industrial area such as metal fabrication, plastics, pulp and paper, or textile manufacturing.

Employment requirements

- Completion of a two- or three-year college program or equivalent in industrial engineering technology, pulp and paper technology, plastics technology, textile technology, manufacturing technology or a related discipline is usually required for industrial engineering or manufacturing technologists.
- Completion of a one- or two-year college program in industrial engineering technology or in a related discipline is usually required for industrial engineering or manufacturing technicians.
- Certification in industrial engineering or manufacturing technology or in a related field is available through provincial or territorial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- A college diploma in manufacturing technology and/or trade certification and experience in machining and tooling or metalworking is required for CAD-CAM/CNC programmers.
- In Quebec, membership in the regulatory body is required to use the title "Professional Technologist."

Additional information

- There is mobility to related fields such as technical sales.
- Progression to managerial positions is possible with experience.

2234 Construction estimators

Construction estimators analyze costs of and prepare estimates on civil engineering, architectural, structural, electrical and mechanical construction projects. They are employed by residential, commercial and industrial construction companies and major electrical, mechanical and trade contractors, or they may be self-employed.

Illustrative example(s)

- chief estimator - construction
- construction estimator
- cost estimator - construction
- principal estimator - construction
- professional quantity surveyor
- quantity surveyor - construction

Exclusion(s)

- Architectural technologists and technicians (2251)
- Civil engineering technologists and technicians (2231)
- Civil engineers (2131)
- Construction managers (0711)

Main duties

Construction estimators perform some or all of the following duties:

- Prepare estimates of probable costs of materials, labour and equipment for construction projects based on contract bids, quotations, schematic drawings and specifications
- Advise on tendering procedures, examine and analyze tenders, recommend tender awards and conduct negotiations
- Establish and maintain tendering process and set up cost monitoring and reporting systems and procedures

- Prepare cost and expenditure statements and forecasts at regular intervals for the duration of a project
- Prepare and maintain a directory of suppliers, contractors and subcontractors
- Liaise, consult and communicate with engineers, architects, owners, contractors and subcontractors, and prepare economic feasibility studies on changes and adjustments to cost estimates
- Manage and co-ordinate construction projects and prepare construction progress schedules.

Estimators may specialize in estimating costs for structural, electrical or mechanical construction projects.

Employment requirements

- Completion of secondary school is required.
- Completion of a three-year college program in civil or construction engineering technology or
Several years of experience as a qualified tradesperson in a construction trade such as plumbing, carpentry or electrical, are required.
- Certification by the Canadian Institute of Quantity Surveyors is usually required.

Additional information

- Progression to more senior positions in this unit group, such as senior estimator or to construction management positions is possible with experience.

224 Technical occupations in electronics and electrical engineering

2241 Electrical and electronics engineering technologists and technicians

Electrical and electronics engineering technologists and technicians may work independently or provide technical support and services in the design, development, testing, production and operation of electrical and electronic equipment and systems. They are employed by electrical utilities, communications companies, manufacturers of electrical and electronic equipment, consulting firms, and in governments and a wide range of manufacturing, processing and transportation industries.

Illustrative example(s)

- communications technologist
- electrical engineering technician
- electrical engineering technologist
- electricity distribution network technologist
- electronics design technologist
- electronics engineering technician
- electronics engineering technologist
- electronics manufacturing technician
- electronics manufacturing technologist
- lighting technologist
- metering technologist
- microwave maintenance technician
- production support technician - electronics manufacturing

Exclusion(s)

- Aircraft instrument, electrical and avionics mechanics, technicians and inspectors (2244)
- Electronic service technicians (household and business equipment) (2242)
- Engineering managers (0211)
- Industrial instrument technicians and mechanics (2243)
- Manufacturing managers (0911)
- Technical sales specialists - wholesale trade (6221)

Main duties

Electrical and electronics engineering technologists perform some or all of the following duties:

- Design, develop and test power equipment and systems, industrial process control systems, telecommunication, broadcast, recording and audiovisual systems, micro-electronic systems and circuits, computers, computer systems and networks, and computer software
- Supervise the building and testing of prototypes according to general instructions and established standards
- Conduct or supervise the installation, commissioning, and operation of electrical and electronic equipment and systems other than aircraft electronics or instruments
- Carry out applied research in fields of electrical and electronic engineering and physics under the direction of scientists or engineers
- Set up and operate specialized and standard test equipment to diagnose, test and analyze the performance of electrical and electronic components, assemblies and systems
- Write specifications, schedules and technical reports and control schedules and budgets.

Electrical and electronics engineering technicians perform some or all of the following duties:

- Assist in the design, development and testing of electrical and electronic components, equipment, and systems
- Assist in inspection, testing, adjusting and evaluation of incoming electrical, electro-mechanical and electronic components and assemblies to ensure conformance with product specifications and tolerances
- Conduct life tests (burn-ins) on assemblies and record and analyze results
- Assist in building and testing prototypes to specifications
- Carry out a limited range of technical functions in support of research in electrical and electronic engineering and physics
- Install, operate and maintain electrical and electronic equipment and systems
- Calibrate electrical or electronic equipment and instruments according to technical manuals and written instructions
- Collect and compile operational or experimental data and assist in the preparation of estimates, schedules, budgets, specifications and reports.

Employment requirements

- Completion of a two- or three-year college program in electrical or electronics engineering technology, computer engineering technology, telecommunications technology or an equivalent is usually required for electrical or electronics engineering technologists.
- Completion of a one- or two-year college program in electrical or electronics engineering technology is usually required for electrical or electronics engineering technicians.
- Certification in electrical or electronics engineering technology or in a related field is available through provincial associations of engineering/applied science technologists and technicians and may be required for some positions.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- There is mobility to other related occupations such as technical sales, electronics service technicians, instrument technicians and avionics technicians.
- Progression to managerial positions in engineering, production or operations is possible with experience.

2242 Electronic service technicians (household and business equipment)

Electronic service technicians service and repair household and business electronic equipment such as audio and video systems, computers and peripherals, office equipment and other consumer electronic equipment and assemblies. They are employed by electronic service and retail establishments, by wholesale distributors and within service departments of electronic manufacturing companies.

Illustrative example(s)

- alarm system technician
- audio-video service technician
- computer service technician

- electronic service technician apprentice
- electronic service technician supervisor
- field service technician, electronic products
- office equipment service technician
- photocopy machine technician
- radio and television service technician
- satellite antenna servicer

Exclusion(s)

- Electrical and electronics engineering technologists and technicians (2241)
- Telecommunications installation and repair workers (7246)

Main duties

Electronic service technicians perform some or all of the following duties:

- Install, maintain and repair household and business electronic equipment, such as televisions, radios, video cassette recorders, stereo equipment, photocopiers, computers and peripherals
- Inspect and test electronic equipment, components and assemblies using multimeters, circuit testers, oscilloscopes, logic probes and other electronic test instruments, tools and equipment
- Diagnose and locate circuit, component and equipment faults
- Adjust, align, replace or repair electronic equipment, assemblies and components following equipment manuals and schematics, and using soldering tools and other hand and power tools
- Complete work orders, test and maintenance reports
- May supervise other electronic equipment service technicians.

Employment requirements

- Completion of a two- to three-year college program in electronics
or
Completion of a four-year apprenticeship program in electronic servicing and repair
or
Completion of high school or college courses in electronics and on-the-job training is required.
- Trade certification for electronics technicians (consumer products) is available, but voluntary, in Ontario, British Columbia and the Yukon.

Additional information

- Progression to supervisory positions is possible with experience.

2243 Industrial instrument technicians and mechanics

Industrial instrument technicians and mechanics repair, maintain, calibrate, adjust, and install industrial measuring and controlling instrumentation. They are employed by pulp and paper processing companies, nuclear and hydro power generating companies, mining, petrochemical and natural gas companies, industrial instrument and other manufacturing companies, and by industrial instrument servicing establishments.

Illustrative example(s)

- apprentice industrial instrument mechanic
- industrial instrument mechanic
- instrument technician, industrial
- instrumentation technician, industrial
- process control equipment mechanic

Exclusion(s)

- Aircraft instrument technicians (see 2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Electrical and electronics engineering technologists and technicians (2241)
- Industrial mechanics (see 7311 Construction millwrights and industrial mechanics)

Main duties

Industrial instrument technicians and mechanics perform some or all of the following duties:

- Consult manufacturer's manuals, circuit diagrams and blueprints to determine tests and maintenance procedures for instruments used for measuring and controlling flow, level, pressure, temperature, chemical composition and other variables in manufacturing and processing
- Inspect and test operation of instruments and systems to diagnose faults using pneumatic, electrical and electronic testing devices and precision measuring instruments
- Repair and adjust system components, such as sensors, transmitters and programmable logic controllers, or remove and replace defective parts
- Calibrate components and instruments according to manufacturers' specifications
- Perform scheduled preventive maintenance work and complete test and maintenance reports
- Install control and measurement instruments on existing and new plant equipment and processes
- Consult with and advise process operators.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- or five-year apprenticeship program in industrial instrument repair or Completion of a two-year college program in industrial instrumentation technology and several years of work experience are usually required for trade certification.
- Instrumentation and control technician trade certification is available, but voluntary, in all provinces and territories, except in Quebec.
- Red Seal endorsement is also available to qualified instrumentation and control technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors

This unit group includes mechanics and technicians who install, adjust, repair and overhaul aircraft instrument, electrical or avionics systems on aircraft. This unit group also includes avionics inspectors who inspect instrument, electrical and avionics systems following assembly, modification, repair or overhaul. Workers in this unit group are employed by aircraft manufacturing, maintenance, repair and overhaul establishments and by airlines and other aircraft operators.

Illustrative example(s)

- aircraft electrical technician
- aircraft electrician
- aircraft instrument mechanic
- aircraft instrument technician
- aircraft maintenance engineer (AME) - avionics
- avionics maintenance technician
- avionics technician
- inspector, avionics
- instrument inspector, aircraft
- instrument overhaul and repair mechanic - avionics

Exclusion(s)

- Aircraft assemblers and aircraft assembly inspectors (9521)
- Aircraft mechanics and maintenance engineers who maintain and inspect aircraft structures, mechanical, hydraulic or propulsion systems (see 7315 Aircraft mechanics and aircraft inspectors)
- Airworthiness inspectors - government (see 2262 Engineering inspectors and regulatory officers)
- Electrical mechanics (7333)
- Industrial instrument technicians and mechanics (2243)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Aircraft instrument mechanics and technicians repair and overhaul, install, calibrate and test aircraft instruments.
- Aircraft electrical mechanics and technicians repair and overhaul, modify, install and test aircraft electrical systems and equipment.
- Avionics mechanics and technicians troubleshoot, repair and overhaul, test, modify, install and inspect aircraft electronic systems and components including communications, navigation, and autoflight equipment.
- Avionics inspectors inspect and test aircraft instrument, electrical and avionics systems and ensure that the installation, maintenance, repair and overhaul of these systems meet Transport Canada and company standards of performance and safety.

Aircraft mechanics and technicians who work in repair and overhaul shops service and test electrical, electronic and instrument components.

Avionics mechanics and technicians who work in maintenance hangars troubleshoot, repair, install and inspect aircraft systems and components.

Employment requirements

- Aircraft instrument and avionics mechanics and technicians require completion of a two- to three-year college program in avionics or electronics.
- Aircraft electrical mechanics and technicians require completion of a college program as an electrical or electronic technician.
- Four years of on-the-job or company apprenticeship training is required for all mechanics and technicians in this unit group.
- Avionics inspectors require completion of a two- to three-year college program in avionics or electronics and Three to five years of experience as an avionics mechanic or technician.
- Avionics inspectors, mechanics and technicians who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence (category E - avionics) issued by Transport Canada.
- Industry certification is available from the Canadian Aviation Maintenance Council for some occupations in this unit group.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- Avionics inspectors, maintenance technicians and mechanics may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and avionics systems.
- An AME licence can be obtained by fulfilling the education and training requirements as stated above and passing Transport Canada AME examinations.
- Progression to supervisory positions within specific areas of expertise is possible with experience.

225 Technical occupations in architecture, drafting, surveying, geomatics and meteorology

2251 Architectural technologists and technicians

Architectural technologists and technicians may work independently or provide technical assistance to professional architects and civil design engineers in conducting research, preparing drawings, architectural models, specifications and contracts and in supervising construction projects. Architectural technologists and technicians are employed by architectural and construction firms, and governments.

Illustrative example(s)

- architectural design technician
- architectural design technologist
- architectural technician

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- architectural technologist

Exclusion(s)

- Architects (2151)
- Civil engineering technologists and technicians (2231)
- Construction estimators (2234)
- Construction inspectors (2264)
- Construction managers (0711)
- Drafting technologists and technicians (2253)
- Land survey technologists and technicians (2254)

Main duties

Architectural technologists and technicians perform some or all of the following duties:

- Assist in the development of architectural designs
- Analyze building codes, by-laws, space requirements, site requirements and other technical documents and reports
- Prepare manual and CAD (computer-assisted design) drawings, specifications, cost estimates and listings of quantities of material from conceptual drawings and instructions
- Construct architectural and display models, and 3-D virtual models of architectural designs
- Prepare contract and bidding documents
- May supervise drafters, technicians and technologists on the architectural team
- May supervise construction projects and co-ordinate, monitor and inspect work done by others.

Employment requirements

- Completion of a two- to three-year college program in architectural technology or a related subject is usually required.
- Certification in architectural technology or in a related field through provincial associations of architectural or engineering/applied science technologists and technicians may be required by employers.
- A period of supervised work experience, usually two years, is required before certification.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- There is mobility to other related occupations such as drafters, civil engineering technologists and technicians, construction estimators and construction inspectors.
- Progression to supervisory positions is possible with experience.

2252 Industrial designers

Industrial designers conceptualize and produce designs for manufactured products. They are employed by manufacturing industries and private design firms or they may be self-employed.

Illustrative example(s)

- furniture designer
- industrial design consultant
- industrial designer
- industrial products designer
- product designer

Exclusion(s)

- Architectural technologists and technicians (2251)
- Civil engineering design technologists (see 2231 Civil engineering technologists and technicians)
- Electrical and electronics design technologists (see 2241 Electrical and electronics engineering technologists and technicians)
- Engineering design and drafting technicians and technologists (see 2253 Drafting technologists and technicians)

-
- Graphic designers and illustrators (5241)
 - Interior designers and interior decorators (5242)
 - Mechanical engineering equipment designers (see 2232 Mechanical engineering technologists and technicians)
 - Theatre, fashion, exhibit and other creative designers (5243)

Main duties

Industrial designers perform some or all of the following duties:

- Consult with client, engineers or production specialists to establish product requirements
- Analyze the intended use of product and user preferences
- Conduct research into cost, properties of production materials and methods of production
- Prepare design concepts, sketches or models for approval
- Prepare manufacturing drawings, specifications and guidelines for production and construct prototype of design
- Consult with engineers and production staff during manufacturing stage.

Employment requirements

- A university degree in industrial design, architecture, engineering or
A college diploma in industrial design is required.
- Creative ability, as demonstrated by a portfolio of work, is required.

Additional information

- There is mobility between positions in this unit group.
- Mobility is possible to other design occupations.

2253 Drafting technologists and technicians

Drafting technologists and technicians prepare engineering designs, drawings and related technical information, in multidisciplinary engineering teams or in support of engineers, architects or industrial designers, or they may work independently. They are employed by consulting and construction companies, utility, resource and manufacturing companies, all levels of government and by a wide range of other establishments.

Illustrative example(s)

- architectural draftsperson
- computer-assisted design and drafting technologist
- computer-assisted drafting (CAD) technician
- design and drafting technologist
- drafting technician
- drafting technologist
- draftsperson
- electrical draftsperson
- electromechanical draftsperson
- electronic draftsperson
- engineering design and drafting technologist
- mechanical draftsperson
- steel detailer - drafting
- structural draftsperson
- structural steel drafter-detailer
- supervisor, drafting office

Exclusion(s)

- Architectural design technologists (see 2251 Architectural technologists and technicians)
- Civil engineering design technologists (see 2231 Civil engineering technologists and technicians)
- Electrical and electronics engineering design technologists (see 2241 Electrical and electronics engineering technologists and technicians)

- Industrial designers (2252)
- Mechanical engineering design technologists (see 2232 Mechanical engineering technologists and technicians)

Main duties

Drafting technologists perform some or all of the following duties:

- Develop and prepare engineering designs and drawings from preliminary concepts, sketches, engineering calculations, specification sheets and other data
- Operate computer-assisted design (CAD) and drafting workstations
- Develop and prepare design sketches
- Complete documentation packages and produce drawing sets
- Check and verify design drawings to conform to specifications and design data
- Write technical reports
- Prepare contracts and tender documents
- Prepare construction specifications, costs and material estimates
- Supervise and train other technologists, technicians and drafters.

Drafting technicians perform some or all of the following duties:

- Develop and prepare engineering drawings, plans, diagrams or layouts from sketches
- Operate computer-assisted drafting equipment or a conventional drafting station.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to three-year college program in engineering design and drafting technology or in a related field is usually required for drafting and design technologists.
- Completion of a one- to two-year college program in drafting
or
Completion of a three- to four-year apprenticeship program
or
Four to five years of related experience plus completion of college or industry courses in drafting are usually required for drafting technicians.
- Trade certification for draftspersons is available, but voluntary in Ontario.
- Certification in engineering design and drafting technology or in a related field through provincial associations of engineering/applied science technologists and technicians may be required by employers.
- A period of supervised work experience, usually two years, is required before certification.

Additional information

- Mobility is possible to civil, mechanical, electrical or other engineering design technologies through educational or work specialization.
- Senior and supervisory drafting and design technology workers require experience.

2254 Land survey technologists and technicians

Land survey technologists and technicians conduct or participate in surveys to determine the exact locations and relative positions of natural features and other structures on the earth's surface, underground and underwater. They are employed by all levels of government, architectural and engineering firms, and by private sector surveying establishments.

Illustrative example(s)

- engineering survey technologist
- geodetic survey technologist
- geomatics technologist - land surveying
- land survey technician
- legal survey technician
- topographic survey technician
- transit operator - surveying

Exclusion(s)

- Drafting technologists and technicians (2253)
- Engineering technologists and technicians who apply geotechnical and topographical information to land use and urban planning (see 2231 Civil engineering technologists and technicians)
- Geological, geophysical, hydrographic and mine survey technologists (see 2212 Geological and mineral technologists and technicians)
- Land surveyors (2154)
- Technical occupations in geomatics and meteorology (2255)

Main duties

Land survey technologists perform some or all of the following duties:

- Assist survey engineers or professional surveyors to develop methods and procedures for conducting field surveys
- Conduct field surveys and operate survey instruments and computer equipment to measure distance, angles, elevations and contours
- Record measurements and other information obtained during field survey activities
- Determine precise geographic locations using global positioning systems (GPS) equipment
- Analyze latitude, longitude and angles and compute trigonometric and other calculations to plot features, contours and areas to a specific scale
- Prepare detailed drawings, charts and plans and survey notes and reports
- Supervise and co-ordinate field survey activities.

Land survey technicians perform some or all of the following duties:

- Participate in field surveys and operate survey instruments and devices
- Keep records, measurements and other survey information in systematic order
- Assist in the calculation, analysis and computation of measurements obtained during field surveys
- Assist in the preparation of detailed drawings, charts and plans.

Land survey technologists and technicians may specialize in one of the following types of surveys: geodetic survey, topographic survey, legal (cadastral) survey or engineering survey.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to three-year college program in geomatics or land survey technology is usually required for land survey technologists.
- Completion of a one- to two-year college program in geomatics or land survey technology is usually required for land survey technicians.
- Certification by provincial associations of technicians and technologists may be required by some employers.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist."

Additional information

- Mobility is possible between the various occupations in this unit group.
- Progression to supervisory positions is possible with experience.
- Progression to land surveyor position is possible with completion of professional surveyor examinations and certification.
- Geomatics is an interdisciplinary field encompassing the collection, analysis and presentation of geographically referenced data.

2255 Technical occupations in geomatics and meteorology

Technical occupations in geomatics include aerial survey, remote sensing, geographic information systems, cartographic and photogrammetric technologists and technicians, who gather, analyze, interpret and use geospatial information for applications in natural resources, geology, environmental research and land use planning. Meteorological technologists and technicians observe weather and atmospheric conditions, record, interpret, transmit and report on meteorological data, and provide weather information to the agricultural, natural resources

and transportation industries and the public. Geomatics technologists and technicians are employed by all levels of government, utilities, mapping, computer software, forestry, architectural, engineering and consulting firms and other related establishments. Meteorological technologists and technicians are employed by all levels of government, the media, natural resources, utilities and transportation companies and consulting firms.

Illustrative example(s)

- aerial survey technician
- aerological technician
- avalanche controller
- cartographer
- climate data processor
- climate service technician
- geographic information systems (GIS) technician
- ice observer
- map editor
- mapping technician
- meteorological inspector
- meteorological technician
- officer-in-charge, weather station
- operations technician, weather station
- photogrammetric technologist
- photogrammetrist
- remote sensing (RS) technician
- softcopy photogrammetrist
- surface weather observer

Exclusion(s)

- Airborne geophysical equipment operators (see 2212 Geological and mineral technologists and technicians)
- Drafting technologists and technicians (2253)
- Engineering technologists and technicians who apply geotechnical and topographical information to land use and urban planning (see 2231 Civil engineering technologists and technicians)
- Geomatics engineers and surveying engineers (see 2131 Civil engineers)
- Land surveyors (2154)
- Land survey technologists and technicians (2254)
- Meteorologists and climatologists (2114)

Main duties

Aerial survey and remote sensing technologists and technicians perform some or all of the following duties:

- Operate analog or digital airborne remote sensing equipment such as survey film or digital cameras, laser or radar sensors and scanners to prepare images, data and graphic reports, maps and charts from airborne or satellite data
- Develop specialized analog and computer software specific routines to customize and integrate image analysis
- Inspect quality of recorded images, verify the integrity and accuracy of data contained in remote sensing image analysis systems, and adjust equipment as required.

Geographic information systems (GIS) technologists and technicians perform some or all of the following duties:

- Operate specialized computer hardware and software and peripheral equipment to model, manage, analyze and display geospatial data
- Develop specialized computer software routines, Internet based GIS, database and business applications to customize geographic information
- Work with external organizations on data transfer and systems compatibility issues
- Perform data entry and editing activities and maintenance operations to systems following pre-determined calibration procedures
- Integrate external software such as spreadsheets and statistical packages with GIS software

- Train and provide technical support for GIS users.

Cartographic technologists and technicians perform some or all of the following duties:

- Plan map content, format and design and compile required data from aerial photographs, survey notes, records, reports and other maps
- Generate maps and related graphs and charts using digital mapping techniques, computer interactive graphics, computer assisted design and drafting (CAD) software, traditional drafting methods and computer or traditional scribing tools
- Inspect final compositions to ensure completeness and accuracy.

Photogrammetric technologists and technicians perform some or all of the following duties:

- Examine and interpret aerial photographs to prepare topographic maps, aerial-photograph mosaics and related charts
- Operate digitized stereoscopic plotting and computer graphics equipment to provide three-dimensional optical models of terrain, to trace maps, and to prepare charts and tables
- Monitor recording quality and adjust equipment as required and inspect quality of recorded images.

Meteorological technologists and technicians perform some or all of the following duties:

- Observe, record and transmit atmospheric and weather information including air pressure, temperature, humidity, precipitation and cloud, wind and ultraviolet conditions
- Observe, chart and report on ice conditions in navigable waters and snow conditions, and participate in programs to forecast and control avalanches in mountainous terrain
- Maintain climatological databases, analyze and interpret weather data and participate in the production of weather maps, charts and reports
- Install, inspect, monitor, calibrate and maintain meteorological equipment and instruments.

Employment requirements

- Completion of secondary school is required.
- Geomatics technologists require completion of a two- to three-year college program in cartography, photogrammetry, aerial survey, remote sensing, geographic information system or geomatics.
- Geomatics technicians require completion of a one- to two-year college program in cartography, photogrammetry, aerial survey, remote sensing, geographic information system or geomatics.
- In Quebec, membership in the regulatory body for professional technologists is required to use the title "Professional Technologist".
- Meteorological technicians require completion of a one-year meteorological technician program provided by the Meteorological Service of Canada.
- Further specialized training is available for meteorological technicians, and may be required by some employers.

Additional information

- Geomatics is an interdisciplinary field encompassing the collection, analysis and presentation of geographically referenced data.
- Mobility is possible between some occupations in this unit group.

226 Other technical inspectors and regulatory officers

2261 Non-destructive testers and inspection technicians

Non-destructive testers and inspection technicians operate radiographic, ultrasonic, liquid penetrant, magnetic particle, eddy current and similar testing equipment to detect discontinuities in objects of various compositions and materials. They are employed by quality control, maintenance and safety departments of manufacturing, processing, transportation, energy and other companies and by private industrial inspection establishments.

Illustrative example(s)

- acoustic emission technician
- aircraft non-destructive inspection technician
- eddy current technician
- industrial radiographer

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- infrared thermographer
 - liquid penetrant testing technician
 - NDT (non-destructive testing) maintenance technician
 - non-destructive inspector
 - pressure vessel tester
 - radiographic technician - non-destructive testing
 - ultrasonic testing technician
 - visual inspection technician - welding
 - weld tester

Exclusion(s)

- Engineering inspectors and regulatory officers (2262)
- Radiographic or ultrasonic equipment operating occupations in medical laboratories or hospitals (see 321 Medical technologists and technicians (except dental health))

Main duties

Non-destructive testers and inspection technicians perform some or all of the following duties:

- Set up and calibrate non-destructive testing equipment
- Conduct tests to ensure quality or detect discontinuities (defects) using ultrasonic, radiographic, liquid penetrant, magnetic particle, eddy current and other non-destructive testing methods
- Establish techniques for proper examination of objects under inspection, ensuring strict adherence to safety regulations
- Interpret radiographs, cathode ray tube (CRT) or digital readouts, conductivity meters and visual indicators
- Apply testing criteria in accordance with applicable specifications or standards and evaluate results
- Organize and report test results
- May perform specialized inspections using acoustic emission, vibration analysis, infrared thermography and laser shearography testing methods
- May instruct and supervise trainees.

Employment requirements

- Completion of secondary school is required.
- Completion of two years of an approved post-secondary science or engineering program may be required.
- Additional classroom and on-the-job training is required for certification in non-destructive testing.
- Non-destructive testing certification by Natural Resources Canada is available in three levels and is usually required by employers.
- Industrial radiographers using a radioactive isotope must pass an examination to be recognized as a certified exposure device operator by the Canadian Nuclear Safety Commission.
- Welding inspector certification by the Canadian Welding Bureau is available in three levels and may be required by employers.
- Boiler and pressure vessel, process pipeline and above-ground storage tank inspector certification is available from the American Petroleum Institute.

2262 Engineering inspectors and regulatory officers

Engineering inspectors and regulatory officers inspect transportation vehicles such as aircraft, watercraft, automobiles and trucks and weighing and measuring devices such as scales and meters as well as industrial instruments, processes and equipment for conformity to government and industry standards and regulations. They are employed by government agencies and in the private sector.

Illustrative example(s)

- airworthiness inspector
- elevator inspector
- engineering inspector
- inspector, air carrier maintenance
- inspector, air transport
- inspector, electricity and gas meters

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- inspector, weights and measures
 - insurance loss prevention inspector
 - marine damage surveyor
 - motor vehicle defects investigator
 - railway accident investigation officer
 - regulatory officer, engineering

Exclusion(s)

- Construction inspectors (2264)
- Inspectors in public and environmental health and occupational health and safety (2263)
- Non-destructive testers and inspection technicians (2261)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Motor vehicles defects investigators conduct motor vehicle and motor vehicle component defect investigations, examinations, tests and defect-related accident investigations; provide expert advice and testimony on specific motor vehicle performance problems or defects and recommend improvements in vehicle inspection and licensing procedures and vehicle safety standards.
- Railway accident investigation officers collect and analyze data from train derailments, collisions, and other accidents to determine the causes and inspect and evaluate railway property, structures, rolling stock, signals, track structure and train handling characteristics to ensure compliance to operating standards.
- Airworthiness inspectors conduct initial and regular inspections of establishments and individuals holding or applying for air carrier operating certificates and establishments engaged in aircraft maintenance, repair or modification; inspect aircraft, advise of any deficiencies and detain aircraft suspected of being unairworthy or unsafe.
- Inspectors, weights and measures conduct inspections and tests of a variety of mechanical and electronic weighing and measuring devices and systems; prepare draft investigative reports of findings and recommend corrective or enforcement action.
- Oil and gas drilling rig inspectors conduct onshore and offshore inspections of drilling and well servicing equipment and processes to ensure compliance with regulations and policies and to recommend improvements and corrective action.

Employment requirements

- University degree or college diploma in an appropriate engineering field
or
Trade qualifications and extensive related work experience are required.
- Appropriate professional engineering or engineering technology certification and licences may be required.

2263 Inspectors in public and environmental health and occupational health and safety

Inspectors in this unit group evaluate and monitor health and safety hazards and develop strategies to control risks in the workplace. They inspect restaurants, public facilities, industrial establishments, municipal water systems and other workplaces to ensure compliance with government regulations regarding sanitation, pollution control, the handling and storage of hazardous substances and workplace safety. They are employed throughout the private and public sectors.

Illustrative example(s)

- environmental health officer
- hazardous waste inspector
- health and safety officer
- health standards inspector
- occupational health and safety officer
- pollution control inspector
- public health inspector
- restaurant inspector
- rodent control inspector

- supervisor, public health inspectors
- water inspector

Exclusion(s)

- By-law enforcement and other regulatory officers, n.e.c. (4423)
- Construction inspectors (2264)
- Engineering inspectors and regulatory officers (2262)
- Occupational hygienists and ergonomists (see 4161 Natural and applied science policy researchers, consultants and program officers)

Main duties

Inspectors in this unit group perform some or all of the following duties:

- Inspect the sanitary conditions of restaurants, hotels, schools, hospitals and other public facilities or institutions
- Conduct surveys and monitoring programs of the natural environment to identify sources of pollution
- Collect samples of water for analysis; measure physical, biological and chemical workplace hazards; and conduct safety and environmental audits
- Investigate health and safety related complaints, spills of hazardous chemicals, outbreaks of diseases or poisonings and workplace accidents
- Inspect workplaces to ensure that equipment, materials and production processes do not present a safety or health hazard to employees or to the general public
- Develop, implement and evaluate health and safety programs and strategies
- Initiate enforcement procedures to fine or to close an establishment contravening municipal, provincial or federal regulations
- Provide consultation and deliver training programs to employers, employees and the general public on issues of public health, environmental protection or workplace safety.

Employment requirements

- A bachelor's degree or college diploma in a discipline such as food science, environmental studies, chemistry or health and safety is usually required.
- In some establishments, several years of related work experience and the completion of in-house training courses may substitute for formal education.
- Public health inspectors employed outside Quebec require certification with the Canadian Institute of Public Health Inspectors.
- Occupational health and safety officers may require certification with the Association for Canadian Registered Safety Professionals.

2264 Construction inspectors

Construction inspectors inspect the construction and maintenance of new and existing buildings, bridges, highways and industrial construction to ensure that specifications and building codes are observed and monitor work site safety. They are employed by federal, provincial and municipal governments, construction companies, architectural and civil engineering consulting firms or they may be self-employed.

Illustrative example(s)

- bridge inspector
- building construction inspector
- construction inspector
- highway construction inspector
- home inspector
- housing construction inspector
- mine inspector, construction
- plumbing inspector
- pre-stressed concrete inspector
- safety officer - construction

Exclusion(s)

- By-law enforcement and other regulatory officers, n.e.c. (4423)
- Construction estimators (2234)
- Construction managers (0711)
- Engineering inspectors and regulatory officers (2262)
- Inspectors in public and environmental health and occupational health and safety (2263)

Main duties

Construction inspectors perform some or all of the following duties:

- Examine plans, drawings, and site layouts for new buildings, building renovations and other proposed structures
- Inspect construction of buildings, bridges, dams, highways and other types of building and engineering construction for conformance to drawings, specifications, building codes or other applicable ordinances
- Inspect and test electrical or plumbing installations in buildings to ensure compliance with municipal, provincial and federal regulations
- Inspect steel framework, concrete forms, reinforcing steel mesh and rods, concrete or pre-stressed concrete to ensure quality standards and to verify conformance to specifications and building codes
- Inspect construction of sewer systems and pipelines
- Inspect construction sites to ensure that safe working conditions are maintained
- Inspect existing buildings to identify and report on structural defects, fire hazards and other threats to safety
- Inspect new or resale homes on behalf of clients and assess and provide reports on the physical condition of property.

Employment requirements

- Completion of secondary school is required.
- A college diploma in construction, civil engineering or architectural technology plus several years of related work experience
or
Several years of experience as a qualified tradesperson in a construction trade, such as plumbing, carpentry or electrical trade are required.
- Provincial certification in a skilled trade or as an engineering technologist is usually required.
- Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.

Additional information

- Progression to construction management positions is possible with experience.

227 Transportation officers and controllers**2271 Air pilots, flight engineers and flying instructors**

Air pilots fly fixed wing aircraft and helicopters to provide air transportation and other services such as crop spraying and aerial surveying. Flight engineers assist air pilots with monitoring, troubleshooting and maintenance of aircraft systems and with pre- and post-flight inspections. Flying instructors teach flying techniques and procedures to student and licensed pilots. Air pilots, flight engineers and flight instructors are employed by airline and air freight companies, flying schools and by other public and private sector aircraft operators.

Illustrative example(s)

- air pilot
- captain - air transport
- check pilot
- chief flying instructor
- chief pilot
- co-pilot
- flight engineer

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- flying instructor
 - helicopter pilot
 - pilot instructor
 - relief pilot
 - second officer - air transport
 - test pilot

Exclusion(s)

- Air traffic controllers and related occupations (2272)
- Ground school instructors (see 4021 College and other vocational instructors)

Main duties

Air pilots perform some or all of the following duties:

- Conduct pre-flight inspection of aircraft and check passenger and cargo distribution to ensure that weight and balance specifications are met
- Co-ordinate flight activities with ground crews and air-traffic control, inform crew members of flight and test procedures and direct activities of aircraft crew during flights
- Contact control towers for takeoff clearances, arrival instructions and other information
- Conduct in-flight tests and monitor functioning of aircraft equipment and systems during flights, maintain communications with flight dispatchers and weather forecasters and respond to and report in-flight emergencies and malfunctions
- Prepare flight evaluation reports
- Train pilots to use new equipment, or prepare them for examinations to re-validate or upgrade existing licences
- May fly new or experimental planes to examine their flight performance and safety
- May participate in search and rescue operations, forest firefighting, aerial surveying, crop dusting and other services.

Flight engineers perform some or all of the following duties:

- Inspect aircraft prior to takeoff according to pre-flight checklist and verify passenger and cargo distribution to ensure that weight and balance specifications are met
- Assist air pilots in monitoring aircraft systems, equipment and functions during flight
- Make in-flight repairs, such as replacing fuses and adjusting instruments, and follow emergency procedures to compensate for equipment malfunction or failure
- Perform post-flight inspections, record equipment malfunctions and corrective actions taken during flight and report required repairs to ground maintenance personnel.

Flying instructors perform some or all of the following duties:

- Instruct student pilots in procedures and techniques of flying aircraft and in ground-school subjects such as navigation, radio procedures and flying regulations
- Train licensed pilots for additional certification.

Employment requirements

Pilots and flight engineers

- Completion of secondary school and graduation from a certified flying or aviation school are required.
- A university degree or college diploma may be required.
- A commercial pilot's licence or an air transport pilot's licence is required.
- Additional licences or endorsements to fly different types of aircraft are required.
- Flight engineers require a flight engineer license issued by Transport Canada.
- Structured training is provided by employers.

Flight instructors

- Completion of secondary school and graduation from a certified flying or aviation school are required.
- A university degree or college diploma may be required.
- A commercial pilot's or an air transport pilot's licence is required.
- Transport Canada ratings and endorsements to provide instructions on different types of aircraft are required.

Additional information

- Flight engineers may progress to co-pilot and pilot positions with required hours of flying experience and completion of licensing and endorsement requirements.

2272 Air traffic controllers and related occupations

Air traffic controllers direct air traffic within assigned airspace, and control moving aircraft and service vehicles at airports. Flight service specialists provide pilots with flight information essential to aviation safety. Flight dispatchers authorize airline flights over assigned routes. Air traffic controllers and flight service specialists are employed by NAV Canada and the Canadian Forces. Flight dispatchers are employed by airline and air services companies and by the Canadian Forces.

Illustrative example(s)

- air traffic controller (ATC)
- airport air traffic controller
- enroute air traffic controller
- flight dispatcher
- flight service specialist (FSS)
- instrument flight rules air traffic controller
- terminal air traffic controller
- visual flight rules air traffic controller

Exclusion(s)

- Railway traffic controllers and marine traffic regulators (2275)

Main duties

Air traffic controllers perform some or all of the following duties:

- Control flow of air traffic within assigned airspace using radar monitors, radio and other communication equipment and visual references
- Issue aircraft takeoff and landing instructions to pilots and relay meteorological, navigational and other information to pilots in flight
- Maintain radio and telephone contact with adjacent control towers, terminal control units and other area control centres, and co-ordinate movement of aircraft into adjoining areas
- Alert airport emergency services when aircraft are experiencing difficulties and report missing aircraft to search and rescue services
- Direct activities of all moving aircraft and service vehicles on or near airport runways.

Flight service specialists perform some or all of the following duties:

- Provide pre-flight information concerning current and forecast weather conditions, radio frequencies, terrain, airports and related data to assist pilots in preparation of flight plans
- Check flight plans for completeness and accuracy and forward flight plans to air traffic services facility
- Respond to radio calls from aircraft preparing for takeoff or landing and supply information such as weather conditions, wind speed and direction and presence of local air traffic
- Support air traffic control operations by relaying radio requests for flight clearances, arrival and departure information and position reports
- Alert airport emergency services of aircraft experiencing difficulties and initiate communication searches when aircraft become overdue
- Observe, record and report weather conditions at airports.

Flight dispatchers perform some or all of the following duties:

- Analyze environmental conditions and assess aircraft for load and fuel capacity and other factors to determine flight routes
- Brief flight crew before takeoff on weather conditions, status of navigational facilities and airports en route
- Co-sign flight authorization with aircraft captain
- Monitor progress of flight and communicate as required with aircraft during flight
- Delay or cancel flights if conditions warrant
- Prepare and maintain flight plans, flight logs and other reports.

Employment requirements

- Completion of secondary school is required.
- A basic radio telephone operator's licence is required.
- Air traffic controllers and flight service specialists require completion of a NAV Canada training program which includes structured in-class and on-the-job training.
- Air traffic controllers require an air traffic controller's licence.
- Flight dispatchers may require experience in air traffic control or flight operations and may require a private pilot's licence.

Additional information

- Air traffic controllers with experience and appropriate NAV Canada endorsements may move to units with higher volumes of air traffic.

2273 Deck officers, water transport

Deck officers, water transport, operate and command ships or self-propelled vessels to transport passengers and cargo on oceans and coastal and inland waters, and supervise and co-ordinate the activities of deck crews. This unit group also includes Canadian Coast Guard deck officers. They are employed by marine transportation companies and federal government departments.

Illustrative example(s)

- deck officer - water transport
- ferryboat master
- first mate, ship
- master mariner
- navigation officer, Coast Guard vessel
- second mate, ship
- ship pilot
- ship's captain
- ship's mate
- third mate, ship
- tugboat captain
- watchkeeping officer, Coast Guard vessel

Exclusion(s)

- Engineer officers, water transport (2274)
- Fishing masters and officers (8261)
- Shore captains (see 0731 Managers in transportation)
- Water transport deck and engine room crew (7532)

Main duties

Deck officers perform some or all of the following duties:

- Command and operate ships or other self-propelled vessels, such as barges or oil rigs, to transport passengers and cargo
- Command and operate coast guard vessels to provide ice-breaking and search and rescue services, and to maintain control over ships operating in Canadian waters
- Board vessels at berth or from pilot boats to advise ships' captains on the course to steer for safe passage into and out of ports, seaways or other waterways under pilotage authority
- Plan and execute safe navigational passage using navigational aids
- Determine geographical position using navigational instruments, maps and charts
- Guide vessels in rivers, canals, and other confined or hazardous waters and waterways
- Maintain vessels' navigational instruments and equipment
- Direct and oversee the loading and unloading of cargo
- Supervise and co-ordinate the activities of deck crews
- Record vessel progress, crew activities, weather and sea conditions in the ship's log.

Employment requirements

- Completion of secondary school is required.
- Completion of deck officer cadet program from an approved nautical institute or
One to three years of experience as a member of a deck crew is required.
- A deck officer certificate of competency, issued by Transport Canada, is required.
- For ship pilots, a ship pilot licence and a master certificate of competency are required.

Additional information

- Transport Canada administers a deck officer certification program, consisting of several levels. Progression from one level of certification to the next requires additional experience, training and testing.
- Mobility between employers is possible for positions requiring the same level of certification.
- Progression to management positions in transportation is possible with experience.

2274 Engineer officers, water transport

Engineer officers, water transport, operate and maintain main engines, machinery and auxiliary equipment aboard ships and other self-propelled vessels, and supervise and co-ordinate the activities of engine room crews. They are employed by marine transportation companies and federal government departments.

Illustrative example(s)

- chief engineer - water transport
- engineer officer - water transport
- fourth engineer - water transport
- marine engineer officer
- second engineer
- third engineer - water transport
- tugboat engineer

Exclusion(s)

- Deck officers, water transport (2273)
- Managers in transportation (0731)
- Marine and naval engineers (see 2148 Other professional engineers, n.e.c.)
- Marine mechanical engineers (see 2132 Mechanical engineers)
- Water transport deck and engine room crew (7532)

Main duties

Engineer officers, water transport, perform some or all of the following duties:

- Operate main engines, machinery and all auxiliary equipment aboard ships, such as boilers, steering and deck machinery, motors, pumps, generators and condensers
- Stand engine room watch, monitoring and noting performance of engines, machinery and all auxiliary equipment
- Inspect and conduct maintenance and emergency repairs to engines, machinery and all auxiliary equipment
- Supervise and co-ordinate the activities of the engine room crew
- Maintain records and prepare reports on engine performance and failures.

Employment requirements

- Completion of secondary school is required.
- Completion of a three-year cadet program in marine engineering from an approved marine training institute or
Approximately three years of experience as an engine room crew member and six months of formal training at an approved marine training institute
or
Approximately three years of experience as an engine mechanic and six months of experience as an engine room crew member are required for certification as a fourth class marine engineer.

- A marine engineer officer certificate of competency, issued by Transport Canada, is required.

Additional information

- Fourth Class Marine Engineer certificate is the entry level of a four-level certification program administered by Transport Canada. Progression from one level of certification to the next requires additional experience, training and testing.
- Mobility between employers is possible for positions requiring the same level of certification.
- Progression to management positions in transportation is possible with experience.

2275 Railway traffic controllers and marine traffic regulators

Railway traffic controllers co-ordinate passenger and freight train traffic on railways. They are employed by rail transport companies. Marine traffic regulators monitor and regulate coastal and inland marine traffic within assigned waterways. They are employed by port, harbour, canal and lock authorities and by the Canadian Coast Guard.

Illustrative example(s)

- chief rail traffic controller
- marine traffic regulator
- rail traffic controller
- train operator

Exclusion(s)

- Harbour masters (see 0714 Facility operation and maintenance managers)
- Subway traffic controllers and light rail transit dispatchers (see 7305 Supervisors, motor transport and other ground transit operators)
- Supervisors, railway transport operations (7304)

Main duties

Railway traffic controllers perform some or all of the following duties:

- Operate and monitor centralized traffic control systems to co-ordinate and follow railway traffic
- Chart train movements, calculate arrival and departure times and record rail traffic information
- Issue instructions to control the movement of passenger and freight train traffic and on-track mobile maintenance equipment
- Receive, record and relay train instructions to train crew by hand or radio telephone
- May supervise and train other railway traffic controllers.

Marine traffic regulators perform some or all of the following duties:

- Direct and monitor vessel movements using radar or closed circuit monitors, remote radio systems and other telecommunication equipment
- Obtain position, course, speed and estimated arrival time of vessels and monitor vessel progress through traffic zone
- Issue clearance instructions to vessels, advise vessels of traffic volumes and weather conditions, and relay information to next marine traffic control sector
- Report accidents, distress signals, navigational hazards and other emergencies to authorities
- Maintain radio and telephone contact with adjacent marine control sectors and with vessels within area of jurisdiction
- Maintain log of vessel movements, size and structure.

Employment requirements

- Railway traffic controllers usually require completion of secondary school and several years of experience in the railway industry.
- Up to 35 weeks of a combination of classroom and on-the-job training is provided for railway traffic controllers.
- Railway traffic controllers require a Canadian Rail Operating Rules certificate.
- Marine traffic regulators require completion of secondary school and several months of formal traffic regulator training.

Additional information

- There is little mobility between traffic controlling occupations in the railway and marine sectors.
- With experience, railway traffic controllers may progress to supervisory positions in rail transport operations.

228 Technical occupations in computer and information systems**2281 Computer network technicians**

Computer network technicians establish, operate, maintain and co-ordinate the use of local and wide area networks (LANs and WANs), mainframe networks, hardware, software and related computer equipment. They set up and maintain Internet and intranet Web sites and Web-server hardware and software, and monitor and optimize network connectivity and performance. They are employed in information technology units throughout the private and public sectors. Supervisors of computer network technicians are included in this unit group.

Illustrative example(s)

- computer network technician
- data centre operator
- Internet Web site technician
- LAN (local area network) administrator
- LAN (local area network) technician
- network administrator
- network support technician
- supervisor, computer network technicians
- system administrator
- Web technician

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Computer engineers (except software engineers and designers) (2147)
- Computer programmers and interactive media developers (2174)
- Information systems testing technicians (2283)
- User support technicians (2282)
- Web designers and developers (2175)

Main duties

Computer network technicians perform some or all of the following duties:

- Maintain, troubleshoot and administer the use of local area networks (LANs), wide area networks (WANs), mainframe networks, computer workstations, connections to the Internet and peripheral equipment
- Evaluate and install computer hardware, networking software, operating system software and software applications
- Operate master consoles to monitor the performance of computer systems and networks and to co-ordinate access and use of computer networks
- Provide problem-solving services to network users
- Install, maintain, troubleshoot and upgrade Web-server hardware and software
- Implement network traffic and security monitoring software, and optimize server performance
- Perform routine network start up and close down and maintain control records
- Perform data backups and disaster recovery operations
- Conduct tests and perform security and quality controls
- Control and monitor e-mail use, Web navigation, and installed software
- Perform shell scripting or other basic scripting tasks
- May supervise other workers in this group.

Employment requirements

- Completion of a college or other program in computer science, network administration, Web technology or a related field is usually required.

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- Certification or training provided by software vendors may be required by some employers.

Additional information

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

2282 User support technicians

Technicians in this group provide first-line technical support to computer users experiencing difficulties with computer hardware and with computer applications and communications software. They are employed by computer hardware manufacturers and retailers, software developers, in call centres and in information technology units throughout the private and public sectors. Technicians in this group are also employed by independent technical support companies or they may be self-employed.

Illustrative example(s)

- call centre agent - technical support
- client support representative - systems
- computer help desk representative - systems
- computer help desk supervisor
- hardware installation technician
- hardware technical support analyst
- help desk technician
- software installation technician
- software technical support analyst
- systems support representative
- technical support analyst - systems
- technical support supervisor
- user support technician

Exclusion(s)

- Computer network technicians (2281)
- Computer programmers and interactive media developers (2174)
- Information systems analysts and consultants (2171)
- Information systems testing technicians (2283)

Main duties

User support technicians perform some or all of the following duties:

- Communicate electronically and in person with computer users experiencing difficulties to determine and document problems experienced
- Consult user guides, technical manuals and other documents to research and implement solutions
- Emulate or reproduce technical problems encountered by users
- Provide advice and training to users in response to identified difficulties
- Provide business systems, network and Internet support to users in response to identified difficulties
- Collect, organize and maintain a problems and solutions log for use by other technical support analysts
- Participate in the redesign of applications and other software
- May supervise other technical support workers in this group.

Employment requirements

- Completion of a college program in computer science, computer programming or network administration is usually required.
- College or other courses in computer programming or network administration are usually required.
- Certification or training provided by software vendors may be required by some employers.

Additional information

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

2283 Information systems testing technicians

Information systems testing technicians execute test plans to evaluate the performance of software applications and information and telecommunications systems. They are employed in information technology units throughout the private and public sectors.

Illustrative example(s)

- application tester
- application testing technician
- software test co-ordinator
- software tester
- software testing technician
- systems tester
- systems testing technician
- user acceptance tester

Exclusion(s)

- Computer engineers (except software engineers and designers) (2147)
- Computer network technicians (2281)
- Computer programmers and interactive media developers (2174)
- Information systems analysts and consultants (2171)
- Software engineers and designers (2173)
- User support technicians (2282)
- Web designers and developers (2175)

Main duties

Information systems testing technicians perform some or all of the following duties:

- Develop and document software testing plans
- Install software and hardware and configure operating system software in preparation for testing
- Execute, analyze and document results of software application tests and information and telecommunication systems tests
- Develop and implement software and information system testing policies, procedures and scripts.

Employment requirements

- Completion of a college program in computer science, computer programming or network administration is usually required.
- College or other courses in computer programming or network administration are usually required.
- Certification or training provided by software vendors may be required by some employers.

Additional information

- Progression to computer programming, interactive media development, Web development or systems analysis is possible with experience.

3 Health occupations

30 Professional occupations in nursing

301 Professional occupations in nursing

3011 Nursing co-ordinators and supervisors

Nursing co-ordinators and supervisors co-ordinate and supervise the activities of registered nurses, registered psychiatric nurses, licensed practical nurses and other nursing personnel in the provision of patient care. They are employed in health care institutions such as hospitals, clinics and nursing homes, and in nursing agencies.

Illustrative example(s)

- nursing care co-ordinator
- nursing services co-ordinator
- nursing supervisor
- patient care co-ordinator - nursing
- psychiatric nursing supervisor
- public health nursing supervisor

Exclusion(s)

- Directors of nursing and nursing unit administrators (see 0311 Managers in health care)

Main duties

Nursing co-ordinators and supervisors perform some or all of the following duties:

- Supervise registered nurses, licensed practical nurses and other nursing personnel
- Evaluate patients' needs and ensure that required nursing care is delivered
- Set up and co-ordinate nursing services in conjunction with other health services
- Ensure quality nursing care is provided and appropriate administrative procedures are followed
- Assist in the establishment of unit policies and procedures
- Administer nursing unit budget and ensure that supplies and equipment are available
- Assist in the selection, evaluation and professional development of nursing personnel
- Collaborate on research projects related to nursing and medical care and multidisciplinary services
- May provide direct patient care.

Employment requirements

- Completion of a university, college or other approved registered nursing, or registered psychiatric nursing, program is required.
- Courses in management studies or a degree, diploma or certificate in management or administration may be required.
- Registration as a registered nurse by a provincial or territorial regulatory body is required or registration as a registered psychiatric nurse in Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon is required.
- Clinical experience as a registered nurse, or as a registered psychiatric nurse, is required.

Additional information

- Progression to management positions, such as director of nursing, is possible with experience.

3012 Registered nurses and registered psychiatric nurses

This unit group includes registered nurses, registered psychiatric nurses and graduates of a nursing program who are awaiting registration (graduate nurses). They provide direct nursing care to patients, deliver health education programs and provide consultative services regarding issues relevant to the practice of nursing. They are employed in a variety of settings including hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics, community agencies, companies and private homes, or they may be self-employed.

Illustrative example(s)

- clinical nurse
- community health nurse
- critical care nurse
- emergency care nurse
- intensive care nurse
- nurse researcher
- nursing consultant
- occupational health nurse
- private duty nurse
- public health nurse

- registered nurse (R.N.)
- registered psychiatric nurse (R.P.N.)

Exclusion(s)

- Nurse practitioners (see 3124 Allied primary health practitioners)
- Nursing co-ordinators and supervisors (3011)
- Nursing service managers (see 0311 Managers in health care)
- Registered practical nurses (see 3233 Licensed practical nurses)

Main duties

General duty registered nurses perform some or all of the following duties:

- Assess patients to identify appropriate nursing interventions
- Collaborate with members of an interdisciplinary health team to plan, implement, co-ordinate and evaluate patient care in consultation with patients and their families
- Administer medications and treatments as prescribed by a physician or according to established policies and protocols
- Monitor, assess, address, document and report symptoms and changes in patients' conditions
- Operate or monitor medical apparatus or equipment
- Assist in surgery and other medical procedures
- May supervise licensed practical nurses and other nursing staff
- May develop and implement discharge planning process on admission of patients
- May teach and counsel patients and their families on health-related issues in collaboration with other health care providers.

Registered nurses may specialize in areas such as surgery, obstetrics care, psychiatric care, critical care, pediatrics, geriatrics, community health, occupational health, emergency care, rehabilitation or oncology.

- Occupational health nurses develop and implement employee health education programs and provide registered nursing care in private businesses and industry.
- Community health nurses provide health education and registered nursing care in public health units and through home visits, manage complex home care cases, participate in community needs assessment and program development, conduct disease screening and deliver immunization programs.
- Psychiatric nurses provide nursing care, supportive counselling and life skills programming to patients in psychiatric hospitals, mental health clinics, long-term care facilities and community-based settings.
- Nursing consultants provide consultative services to institutes, associations and health care organizations regarding issues and concerns relevant to the nursing profession and nursing practice.
- Nursing researchers engaged in research activities related to nursing are self-employed or are employed by hospitals, public and private organizations and governments.
- Clinical nurses provide leadership, advice and counsel on the provision of research-based care for specific patient groups within the care of particular health care organizations.

Employment requirements

Registered nurses

- Completion of a university, college or other approved registered nursing program is required.
- Additional academic training or experience is required to specialize in a specific area of nursing.
- A master's or doctoral degree in nursing is usually required for clinical nurse specialists, clinical nurses, nursing consultants and nursing researchers.
- Registration with a regulatory body is required in all provinces and territories.

Registered psychiatric nurses

- Completion of a university or college registered psychiatric nursing program is required.
- Registration with a regulatory body is required in Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon.

Additional information

- Nurses trained exclusively as registered psychiatric nurses (RPN) are regulated in Manitoba, Saskatchewan, Alberta and British Columbia. In all other provinces and territories, registered nurses (RN) may work as psychiatric nurses without separate registration.

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- Registered nurses and registered psychiatric nurses may progress to supervisory and managerial positions with experience.

31 Professional occupations in health (except nursing)

311 Physicians, dentists and veterinarians

3111 Specialist physicians

This unit group includes specialist physicians in clinical medicine, in laboratory medicine and in surgery. Specialists in clinical medicine diagnose and treat diseases and physiological or psychiatric disorders and act as consultants to other physicians. Specialists in laboratory medicine study the nature, cause and development of diseases in humans. Specialists in surgery perform and supervise surgical procedures. Specialists in clinical medicine usually work in private practice or in a hospital while those in laboratory medicine and in surgery usually work in hospitals. Residents in training to become specialist physicians are included in this unit group.

Illustrative example(s)

Specialists in clinical medicine

- anesthetist
- cardiologist
- clinical immunologist-allergist
- dermatologist
- diagnostic radiologist
- emergency physician
- endocrinologist
- gastroenterologist
- geriatrician
- hematologist
- nephrologist
- neurologist
- oncologist
- orthopedist
- pediatrician
- physiatrist
- pneumologist
- psychiatrist
- radiation oncologist
- respirologist
- rheumatologist

Specialists in laboratory medicine

- anatomical pathologist
- general pathologist
- hematopathologist
- medical biochemist - physician
- medical microbiologist
- neuropathologist

Specialists in surgery

- cardiac surgeon
- general surgeon
- neurosurgeon
- obstetrician-gynecologist
- ophthalmologist
- orthopedic surgeon
- otorhinolaryngologist
- pediatric surgeon

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- plastic surgeon
 - thoracic surgeon
 - urologist
 - vascular surgeon

Exclusion(s)

- Allied primary health practitioners (3124)
- Chiropractors (3122)
- General practitioners and family physicians (3112)
- Managers in health care (0311)
- Other professional occupations in health diagnosing and treating (3125)

Main duties

Specialists in clinical medicine perform some or all of the following duties:

- Diagnose and treat diseases and physiological or psychiatric disorders
- Order laboratory tests, X-rays and other diagnostic procedures
- Prescribe medication and treatment and refer patients for surgery
- Act as consultants to other physicians
- May conduct medical research.

Specialists in laboratory medicine perform some or all of the following duties:

- Study the nature, cause and development of diseases in humans and the structural and functional changes caused by diseases
- Conduct microscopic and chemical analyses of laboratory samples and specimens
- Supervise laboratory activities
- Act as consultants to other physicians.

Specialists in surgery perform some or all of the following duties:

- Assess patients' diseases or disorders to determine appropriate surgical procedures
- Perform and supervise surgical procedures to correct physical abnormalities and deficiencies and repair injuries
- Act as consultants to other physicians.

Employment requirements

Specialist physicians

- A bachelor of science degree
or
In Quebec, completion of a college program and one year of pre-medicine university studies is usually required.
- Graduation from an approved medical school and specific specialty training are required.
- Completion of the certifying examinations of the Royal College of Physicians and Surgeons of Canada and
Licensing by the provincial or territorial licensing authority are required.

Specialists in clinical medicine

- Four to five years of specialty residency training are required.
- Two years of subspecialty training may also be required.

Specialists in laboratory medicine

- Four to five years of specialty residency training are required.

Specialists in surgery

- Five to six years of specialty residency training are required.
- Two years of subspecialty training may also be required.

Additional information

- Progression to management positions, such as director of laboratory medicine or chief of surgery, is possible with experience.

3112 General practitioners and family physicians

General practitioners and family physicians diagnose and treat the diseases, physiological disorders and injuries of patients. They provide primary contact and continuous care toward the management of patients' health. They usually work in private practice, including group or team practices, hospitals and clinics. Residents in training to be general practitioners and family physicians are included in this unit group.

Illustrative example(s)

- family physician
- general practitioner (GP)
- medical doctor
- resident, general practice

Exclusion(s)

- Allied primary health practitioners (3124)
- Chiropractors (3122)
- Managers in health care (0311)
- Other professional occupations in health diagnosing and treating (3125)
- Specialist physicians (3111)

Main duties

General practitioners and family physicians perform some or all of the following duties:

- Examine patients and take their histories, order laboratory tests, X-rays and other diagnostic procedures and consult with other medical practitioners to evaluate patients' physical and mental health
- Prescribe and administer medications and treatments
- Perform and assist in routine surgery
- Provide emergency care
- Provide acute care management
- Vaccinate patients to prevent and treat diseases
- Deliver babies and provide pre-natal and post-natal care
- Advise patients and their families on health care including health promotion, disease, illness and accident prevention
- Provide counselling and support to patients and their families on a wide range of health and lifestyle issues
- Perform patient advocacy role
- Co-ordinate or manage primary patient care
- Provide continuous care to patients
- Supervise home care services
- Report births, deaths, and contagious and other diseases to governmental authorities.

Employment requirements

- A bachelor's degree
or
In Quebec, completion of a college program and one year of pre-medicine university studies is usually required.
- Graduation from an approved medical school
and
Two to three years of family medicine residency training are required.
- Completion of the qualifying examinations of the Medical Council of Canada
and
Licensing by the provincial or territorial licensing authority are required.

Additional information

- General practitioners and family physicians may become specialist physicians with additional training.

3113 Dentists

Dentists diagnose, treat, prevent and control disorders of the teeth and mouth. They work in private practice or may be employed in hospitals, clinics, public health facilities or universities.

Illustrative example(s)

- dentist
- endodontist
- oral and maxillofacial surgeon
- oral pathologist
- oral radiologist
- orthodontist
- pediatric dentist
- periodontist
- prosthodontist
- public health dentist

Exclusion(s)

- Dental assistants (3411)
- Dental hygienists and dental therapists (3222)
- Dental technologists, technicians and laboratory assistants (3223)
- Denturists (3221)

Main duties

Dentists perform some or all of the following duties:

- Examine patients' teeth, gums and surrounding tissue to diagnose disease, injury and decay and plan appropriate treatment
- Restore, extract and replace diseased and decayed teeth
- Perform oral surgery, periodontal surgery and other treatments
- Clean teeth and instruct patients on oral hygiene
- Design bridgework, fit dentures and provide appliances to correct abnormal positioning of the teeth and jaws, or write fabrication instructions or prescriptions for use by denturists and dental technicians
- Supervise dental hygienists, dental assistants and other staff.

Dentists may specialize in such areas as oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics, endodontics, prosthodontics, oral pathology, oral radiology or public health dentistry.

Employment requirements

- One to four years of pre-dentistry university studies or, in Quebec, completion of a college program in sciences and
A university degree from a recognized dental program are required.
- Licensing by a provincial or territorial regulatory body is required.
- Dentists in general practice can move into a specialized practice through advanced training.
- Licensing for specializations is required.

Additional information

- Certification by the National Dental Examining Board of Canada entitles dentists or graduates of approved dental programs to practise dentistry in any province in Canada provided requirements set out by the provincial and territorial licensing authorities are met.

3114 Veterinarians

Veterinarians prevent, diagnose and treat diseases and disorders in animals and advise clients on the feeding, hygiene, housing and general care of animals. Veterinarians work in private practice or may be employed by animal clinics, farms, laboratories, government or industry.

Illustrative example(s)

- farm veterinarian
- small animal veterinary specialist
- veterinarian
- veterinary inspector
- veterinary pathologist
- veterinary physiologist
- veterinary surgeon
- zoo veterinarian

Exclusion(s)

- Animal health technologists and veterinary technicians (3213)
- Biologists and related scientists (2121)

Main duties

Veterinarians perform some or all of the following duties:

- Diagnose diseases or abnormal conditions in individual animals, herds and flocks through physical examinations or laboratory tests
- Treat sick or injured animals by prescribing medication, setting bones, dressing wounds or performing surgery
- Vaccinate animals to prevent and treat diseases
- Perform routine, emergency and post-mortem examinations
- Advise clients on feeding, housing, behaviour, breeding, hygiene and general care of animals
- Provide a range of veterinary services including obstetrics, dentistry and euthanasia
- May supervise animal health technologists and animal care workers
- May be responsible for overall operation of animal hospital, clinic or mobile service to farms
- May conduct veterinary research related to areas such as animal nutrition, health care products development and disease prevention and control
- May enforce government regulations in disease control and food production including animal or animal-based food inspection.

Employment requirements

- Two years of pre-veterinary university studies or completion of a college program in health science and
A four to five year university degree in veterinary medicine
and
Completion of national certification examinations are required.
- A provincial licence to practice is required.
- Entry into research positions may require post-graduate study.

Additional information

- The duties of veterinarians performing research may be similar to those of some biologists.

312 Optometrists, chiropractors and other health diagnosing and treating professionals

3121 Optometrists

Optometrists examine eyes and diagnose ocular diseases and disorders. They prescribe and fit eyeglasses and contact lenses and recommend treatments such as exercises to correct vision problems or ocular disorders. They work in private practice, clinics and community health centres.

Illustrative example(s)

- doctor of optometry (OD)
- optometrist

Exclusion(s)

- Ocularists (see 3219 Other medical technologists and technicians (except dental health))
- Ophthalmologists (see 3111 Specialist physicians)
- Opticians (3231)
- Orthoptists (see 3125 Other professional occupations in health diagnosing and treating)

Main duties

Optometrists perform some or all of the following duties:

- Examine patients' eyes, conduct tests and use ophthalmoscopes, biomicroscopes and other specialized instruments to determine ocular health and visual efficiency
- Prescribe treatment (excluding surgery) to maintain, improve and correct vision and manage other ocular disorders
- Prescribe and fit eyeglasses and contact lenses
- Educate and advise patients on contact lens use and care, ocular hygiene, preventive care and maintenance, lighting arrangements, working distances and other safety factors
- Refer patients to ophthalmologists or other physicians and surgeons for treatment of ocular or other diseases or conditions such as cataracts, glaucoma and macular degeneration.

Optometrists may specialize in fitting visual aids for people who are partially blind, fitting contact lenses or correcting special vision problems.

Employment requirements

- Three years of university undergraduate studies in mathematics and sciences and
A four-year university program in optometry are required.
- Licensing by the provincial or territorial regulatory governing body is required.

3122 Chiropractors

Chiropractors diagnose, treat and prevent patients' neuromuscular-skeletal disorders of the spine, nervous system, pelvis and other body joints by adjusting the spinal column or through other corrective manipulation. Chiropractors are usually in private practice or in clinics with other health practitioners.

Illustrative example(s)

- chiropractic doctor
- chiropractor

Exclusion(s)

- Chiropractic aides (see 3414 Other assisting occupations in support of health services)

Main duties

Chiropractors perform some or all of the following duties:

- Take patients' case history, conduct examinations, observe patients, and perform X-rays and other tests to diagnose patient's condition
- Diagnose neuromuscular-skeletal disorders of the spinal column, pelvis, extremities and associated tissues
- Treat health disorders in a natural manner through adjustments or articular manipulations and complementary treatments such as electrotherapy, acupuncture, heat therapy and massage with special attention given to the spine
- Advise patients on alternate treatment modalities such as corrective exercises, posture, lifestyle and nutrition that have positive effects on the spine, joints, muscles and nervous system.
- Refer patients for medical care when appropriate.

Employment requirements

- A minimum of two years of university undergraduate studies in sciences and

Completion of a four- or five-year program at an institution accredited by the Accreditation Commission of the Council on Chiropractic Education and

Completion of the examinations of the Canadian Chiropractic Examining Board and of the provincial licensing body are required.

- Licensing by a regulatory body is required in all provinces and in the Yukon.

3124 Allied primary health practitioners

This unit group includes nurse practitioners, physician assistants and midwives who provide primary health care and treatment in conjunction with physicians and in collaboration with other health professionals. Nurse practitioners and physician assistants provide a range of health services to patients delivering preventive and continuous care toward the management of patients' health. Midwives provide full-course care to women and their babies during the pre- and post-natal period. Nurse practitioners are employed in community health centres, hospitals, clinics and rehabilitation centres. Physician assistants usually work in private practice, including group or team practices, hospitals and clinics. Midwives are employed in hospitals, clinics, birthing centres or in private practice.

Illustrative example(s)

- anesthesia assistant
- midwife
- nurse practitioner
- nurse practitioner - extended class
- physician assistant

Exclusion(s)

- General practitioners and family physicians (3112)
- Managers in health care (0311)
- Other professional occupations in health diagnosing and treating (3125)
- Practitioners of natural healing (3232)
- Registered nurses and registered psychiatric nurses (3012)
- Specialist physicians (3111)

Main duties

Nurse practitioners perform some or all of the following duties:

- Examine patients and take their medical histories and consult with physicians and other medical practitioners to evaluate patients' physical and mental health
- Order laboratory tests, X-rays and other diagnostic procedures
- Inoculate and vaccinate patients
- Advise patients and their families on health care including health promotion, disease, illness and accident prevention
- Collaborate with members of an interdisciplinary health team such as family physicians, therapists and nutritionists to plan, implement, co-ordinate and evaluate patient care in consultation with patients and their families.

Physician assistants perform some or all of the following duties:

- Conduct patient interviews, physical assessments and take medical histories
- Perform or order diagnostic tests and interpret results
- Formulate and implement treatment plans and monitor patients' progress
- Inoculate and vaccinate patients
- Perform and assist in minor surgery
- Provide health maintenance education
- May participate in research activities.

Midwives perform some or all of the following duties:

- Provide primary, full-course, care to women and their babies during pregnancy, labour, birth and the post-natal period including monitoring the health of mother and baby

-
- Manage labour and spontaneous normal deliveries
 - Care for, assess and monitor the health of newborns and refer infants to appropriate medical services as required
 - Provide advice and guidance regarding care for newborns and young infants.

Employment requirements

- Nurse practitioners usually require a master's degree in nursing; or completion of a nursing program with additional advanced or extended primary health care nursing education; and several years of practice as a registered nurse.
- Registration with a regulatory body is required for nurse practitioners in all provinces and territories.
- Physician assistants require completion of a university degree in a physician assistant program.
- Registration with a regulatory body is required for physician assistants in Manitoba.
- Midwives require completion of an undergraduate university degree program in midwifery or its equivalent and a period of supervised practical training.
- Registration with a regulatory body is required for midwives in Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest Territories.

Additional information

- There is no mobility between these occupations without further training.

3125 Other professional occupations in health diagnosing and treating

This unit group includes health professionals who diagnose and treat the diseases and injuries of patients and who are not elsewhere classified. This includes doctors of podiatric medicine, chiropractors and podiatrists, naturopaths, orthoptists and osteopaths. They work in private practices, clinics and hospitals.

Illustrative example(s)

- chiropractor
- doctor of osteopathy
- doctor of podiatric medicine (D.P.M.)
- foot specialist
- naturopath
- naturopathic doctor (ND)
- orthoptist
- osteopath
- osteopathic physician
- podiatrist

Exclusion(s)

- Chiropractors (3122)
- General practitioners and family physicians (3112)
- Practitioners of natural healing (3232)
- Specialist physicians (3111)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Doctors of podiatric medicine are primary care practitioners who diagnose diseases, deformities and injuries of the human foot and communicate diagnoses to patients. They treat patients using braces, casts, shields, orthotic devices, physical therapy, or prescribed medications. Doctors of podiatric medicine may also perform surgery on the bones of the forefoot and the subcutaneous soft tissues of the foot.
- Chiropractors and diploma or first-degree trained podiatrists diagnose diseases, deformities and injuries of the human foot and treat patients using braces, casts, shields, orthotic devices, physical therapy and subcutaneous soft-tissue foot surgery.

- Naturopaths diagnose patients' diseases and disorders and employ natural methods of healing such as acupuncture and acupressure, spinal manipulation, reflexology, hydrotherapy, herbal medicines, biochemical therapy, clinical nutrition, homeopathy and counselling in their treatment.
- Orthoptists work alongside ophthalmologists in the diagnosis and treatment of eye disorders by performing specialized eye tests to measure and assess defective binocular vision or abnormal eye movement in patients and prescribing treatment such as eye exercises or patching regimens.
- Osteopaths or osteopathic physicians diagnose disorders and injuries of the musculo-skeletal, circulatory and nervous systems and treat patients with manipulative therapy, medications or surgery.

Employment requirements

Doctors of podiatric medicine (D.P.M.)

- A four-year doctoral degree program in podiatric medicine available in the United States and in Quebec, normally following completion of a bachelor's degree program, is required.
- A medical residency is required in Alberta and British Columbia.
- A doctor of podiatric medicine (D.P.M.) degree is required to practise podiatry in Quebec, Ontario, Alberta and British Columbia.

Chiropodists and podiatrists

- A three-year diploma program in chiropody (DCh) obtained in Canada
or
A first-degree program in podiatric medicine (D.Pod.M.) obtained abroad (United Kingdom) is usually required.
- A licence is required in New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

Naturopaths

- A university degree in pre-medical science is required.
- Completion of a university program in naturopathic medicine, obtained abroad
or
A four-year program in naturopathic medicine from a private institute is required.
- A licence is required in Ontario, Manitoba, Saskatchewan and British Columbia.

Orthoptists

- A bachelor's degree and completion of a two-year accredited training program in orthoptics are required.
- Certification with the Canadian Orthoptic Council is required.
- Continuing education is required for recertification with the Canadian Orthoptic Council.

Osteopaths

- A bachelor's degree is required for admission to a doctor of osteopathy program.
- A four-year program in osteopathic medicine leading to a doctor of osteopathy degree
and
A one-year medical residency are required. These qualifications are usually obtained in the United States.
- A licence is required in New Brunswick, Quebec, Ontario, Saskatchewan, Alberta and British Columbia.

Additional information

- Chiropodist and podiatrist titles are used interchangeably in some provinces, although the title podiatrist is becoming more common. The use of the podiatrist job title does not necessarily refer to doctors of podiatric medicine (D.P.M.).
- Orthoptists often work as part of a medical team which includes ophthalmologists, opticians and other ophthalmic medical personnel.
- Orthoptists may also be trained as ophthalmic technicians or technologists.
- Osteopaths may obtain a licence as general practitioners.
- Osteopaths have full scope of practice in New Brunswick, Quebec and Alberta, and limited scope of practice (to practise osteopathic manipulative medicine) in Ontario and Saskatchewan.
- There are two licences in British Columbia for osteopaths - one allows the doctor of osteopathy full scope of practice rights, while the other limits practice to osteopathic manipulative medicine.

313 Pharmacists, dietitians and nutritionists

3131 Pharmacists

Community pharmacists and hospital pharmacists compound and dispense prescribed pharmaceuticals and provide consultative services to both clients and health care providers. They are employed in retail and hospital pharmacies, or they may be self-employed. Industrial pharmacists participate in the research, development, promotion and manufacture of pharmaceutical products. They are employed in pharmaceutical companies and government departments and agencies.

Illustrative example(s)

- clinical pharmacist
- community pharmacist
- hospital pharmacist
- industrial pharmacist
- pharmacist
- retail pharmacist

Exclusion(s)

- Chemists (2112)
- Chiefs of pharmacy and pharmacy directors (see 0311 Managers in health care)
- Pharmaceutical sales representatives (see 6221 Technical sales specialists - wholesale trade)
- Pharmacologists (see 2121 Biologists and related scientists)
- Pharmacy aides (see 3414 Other assisting occupations in support of health services)
- Pharmacy and drugstore managers (see 0621 Retail and wholesale trade managers)
- Pharmacy technicians (see 3219 Other medical technologists and technicians (except dental health))

Main duties

Community pharmacists and hospital pharmacists perform some or all of the following duties:

- Check prescriptions for proper dosage
- Compound prescribed pharmaceutical products by calculating, measuring and mixing the quantities of drugs and other ingredients required and filling appropriate containers with correct quantity
- Dispense prescribed pharmaceuticals to customers or to other health care professionals and advise them on indications, contra-indications, adverse effects, drug interactions and dosage
- Maintain medication profiles of customers including registry of poisons and narcotic and controlled drugs
- Ensure proper preparation, packaging, distribution and storage of vaccines, serums, biologicals and other drugs and pharmaceuticals
- Order and maintain stock of pharmaceutical supplies
- Advise customers on selection and use of non-prescription medication
- May supervise and co-ordinate the activities of other pharmacists, pharmacy assistants, pharmacy technicians and other staff.

Industrial pharmacists perform some or all of the following duties:

- Participate in research for the development of new drugs
- Formulate new drug products developed by medical researchers
- Test new drug products for stability and to determine absorption and elimination patterns
- Co-ordinate clinical investigations of new drugs
- Control the quality of drug products during production to ensure that they meet standards of potency, purity, uniformity, stability and safety
- Develop information materials concerning the uses, properties and risks of particular drugs
- Evaluate labelling, packaging and advertising of drug products
- Promote pharmaceutical products to health professionals.

Employment requirements

- A bachelor of science degree in pharmacy is required.
- Pharmacists also require practical training under the supervision of a pharmacist.
- Licensure is required in all provinces and territories for community and hospital pharmacists.

3132 Dietitians and nutritionists

Dietitians and nutritionists plan, implement and oversee nutrition and food service programs. They are employed in a variety of settings including hospitals, home health-care agencies and extended care facilities, community health centres, the food and beverage industry, the pharmaceutical industry, educational institutions, and government and sports organizations, or they may work as private consultants.

Illustrative example(s)

- administrative dietitian
- clinical dietitian
- community nutritionist
- consultant dietitian
- dietitian
- dietitian-nutritionist
- nutrition specialist
- nutritionist
- public health dietitian
- public health nutritionist
- registered dietitian (RD)
- research dietitian

Exclusion(s)

- Dietary technicians (see 3219 Other medical technologists and technicians (except dental health))
- Directors of dietetics (see 0311 Managers in health care)
- Food service supervisors (6311)
- Home economists (see 4164 Social policy researchers, consultants and program officers)

Main duties

Dietitians and nutritionists perform some or all of the following duties:

- Develop, administer and supervise nutrition and food preparation and service programs in hospitals, nursing homes, schools, company cafeterias or similar settings
- Evaluate nutritional status of individuals and provide nutrition guidance and consulting to health professionals, individuals, dietetic interns, community groups, government and the media
- Aid in the prevention and/or treatment of inadequate nutrition
- Plan, evaluate and conduct nutrition education programs and develop educational materials for various audiences
- Practice on an individual basis or as a member of an interdisciplinary team to determine nutritional needs of patients and to plan, implement and evaluate normal and therapeutic menus to maintain and enhance general health
- Analyze current scientific nutritional studies, conduct research and evaluate program effectiveness to improve the nutritional value, taste, appearance and preparation of food
- Work within industry in the development, testing and evaluation, and marketing of food and nutrition products or as a company representative supplying product related information to health professionals
- Confer with other health professionals, community groups, government and the media to provide consultation and advice in areas of nutrition interpretation, intervention and policy
- Supervise training of dietetic interns.

Dietitians and nutritionists may specialize in areas such as administrative dietetics, clinical dietetics, community dietetics, public health nutrition or research dietetics.

Employment requirements

- Dietitians require a bachelor's or master's degree in dietetics, nutrition or a related field such as food and nutritional science or biochemistry and
A period of supervised practical training.
- Registration with a regulatory body is required in all provinces for dietitians.
- Membership in the national association, Dietitians of Canada, may be required for dietitians to practise.

- Nutritionists usually require similar education and training as dietitians.
- Registration with a regulatory body is required for nutritionists in Nova Scotia, (as a registered dietitian-nutritionist) in New Brunswick, Quebec and Alberta.
- Membership with the national association, Dietitians of Canada, and/or a provincial regulatory body is available for nutritionists who have the same education and practical training as dietitians.

Additional information

- Dietitians and nutritionists may progress to management positions through additional experience.

314 Therapy and assessment professionals

3141 Audiologists and speech-language pathologists

Audiologists diagnose, evaluate and treat individuals with peripheral and central hearing loss, tinnitus and balance problems. Speech-language pathologists diagnose, assess and treat human communication disorders including speech, fluency, language, voice and swallowing disorders. Audiologists and speech-language pathologists are employed in hospitals, community and public health centres, extended care facilities, day clinics, rehabilitation centres and educational institutions, or may work in private practice. Audiologists and speech-language pathologists who are supervisors are included in this unit group.

Illustrative example(s)

- audiologist
- certified audiologist
- clinical audiologist
- educational speech-language pathologist
- research audiologist
- speech therapist
- speech-language clinician

Exclusion(s)

- Audiology and speech-language technical and assisting occupations (see 3237 Other technical occupations in therapy and assessment)
- Braille, lip-reading and sign language instructors (see 4215 Instructors of persons with disabilities)
- Managers in health care (0311)
- Phoniatrists (see 3111 Specialist physicians)

Main duties

Audiologists perform some or all of the following duties:

- Develop and administer audiometric tests and examinations using specialized instruments and electronic equipment to diagnose and evaluate the degree and type of patients' hearing impairment
- Plan and implement habilitation/rehabilitation programs for patients, including selection, fitting and adjustment of amplification devices, such as hearing aids, and teaching speech (lip) reading
- Provide information to patients and families regarding the nature, extent, impact and implications of hearing loss and treatment
- Establish personalized care plans working as a member of an interdisciplinary team
- Conduct research related to hearing and hearing disorders
- May instruct and supervise audiometric technicians, students and other health care personnel.

Speech-language pathologists perform some or all of the following duties:

- Administer tests and examinations and observe patients to diagnose and evaluate speech, voice, resonance, language, cognitive-linguistic and swallowing disorders
- Develop, plan and implement remedial programs to correct speech, voice, language, resonance, cognitive-linguistic and swallowing disorders
- Establish group and personalized care plans working as a member of an interdisciplinary team
- Provide advice and educational services to patients and families regarding communication and swallowing disorders

- Conduct research on speech and other communication disorders and on the development and design of diagnostic procedures and devices
- May instruct and supervise communicative disorders assistants, students and other health care personnel.

Employment requirements

- Audiologists require a master's degree in audiology.
- Speech-language pathologists require a master's degree in speech-language pathology.
- Registration with a regulatory body is required for audiologists and speech-language pathologists in New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.
- Membership in the national association, Canadian Association of Speech-Language Pathologists and Audiologists, is usually required.
- In some jurisdictions, audiologists may be required to obtain a separate licence to dispense hearing aids.

Additional information

- Progression into management positions, such as chief audiologist or director of speech-language pathology, is possible with experience.

3142 Physiotherapists

Physiotherapists assess patients and plan and carry out individually designed treatment programs to maintain, improve or restore physical functioning, alleviate pain and prevent physical dysfunction in patients. Physiotherapists are employed in hospitals, clinics, industry, sports organizations, rehabilitation centres and extended care facilities, or they may work in private practice.

Illustrative example(s)

- physical therapist
- physiotherapist
- registered physiotherapist
- research physiotherapist

Exclusion(s)

- Directors of physiotherapy (see 0311 Managers in health care)
- Physical rehabilitation technicians (see 3237 Other technical occupations in therapy and assessment)

Main duties

Physiotherapists perform some or all of the following duties:

- Assess patients' physical abilities through evaluative procedures such as functional ability tests
- Establish treatment goals with patients based on physical diagnoses
- Plan and implement programs of physiotherapy including therapeutic exercise, manipulations, massage, education, the use of electro-therapeutic and other mechanical equipment and hydro-therapy
- Evaluate effectiveness of treatment plans and modify accordingly
- Communicate with referring physician and other healthcare professionals regarding patients' problems, needs and progress
- Maintain clinical and statistical records and confer with other health care professionals
- Develop and implement health promotion programs for patients, staff and the community
- May conduct research in physiotherapy
- May provide consulting or education services.

Physiotherapists may focus their practice in particular clinical areas such as neurology, oncology, rheumatology, orthopedics, obstetrics, pediatrics, geriatrics, in the treatment of patients with cardiovascular and cardiopulmonary disorders, burns or sports injuries or in the field of ergonomics.

Employment requirements

- A university degree in physiotherapy and a period of supervised practical training are required.
- A licence or registration with a regulatory body is required to practise physiotherapy in all provinces.
- Completion of the Physiotherapy National Exam, administered by the Alliance of Physiotherapy Regulatory Boards, may be required.

Additional information

- Progression to management positions, such as director of physiotherapy, is possible through experience and additional training.

3143 Occupational therapists

Occupational therapists develop individual and group programs with people affected by illness, injury, developmental disorders, emotional or psychological problems and ageing to maintain, restore or increase their ability to care for themselves and to engage in work, school or leisure. They also develop and implement health promotion programs with individuals, community groups and employers. They are employed in health care facilities, in schools, and by private and social services agencies, or they may be self-employed.

Illustrative example(s)

- clinical occupational therapist
- community occupational therapist
- occupational therapist (OT)
- occupational therapist, case manager
- occupational therapist, research and development
- occupational therapy rehabilitation consultant

Exclusion(s)

- Directors of occupational therapy (see 0311 Managers in health care)
- Orientation and mobility instructors (see 4215 Instructors of persons with disabilities)

Main duties

Occupational therapists perform some or all of the following duties:

- Analyse clients' capabilities and expectations related to life activities through observation, interviews and formal assessments
- Develop intervention programs to address clients' needs related to self-care, work and leisure activities
- Maintain clients' records
- Establish personalized care plans working as a member of an interdisciplinary team
- Consult and advise on health promotion programs to prevent disabilities and to maximize independent function in all activities of life
- May supervise support personnel and students and provide training.

Occupational therapists may specialize in working with specific populations such as children or adults, or persons with distinct problems such as dementia, traumatic brain injury and chronic pain, or provide special interventions such as return-to-work programs.

Employment requirements

- A university degree in occupational therapy including supervised fieldwork is required or Graduation from an occupational therapy program approved by the World Federation of Occupational Therapists (WFOT) is accepted in some provinces.
- Completion of the national certification examination may be required.
- Licensure with a regulatory body is required in all provinces.
- Membership in the national association, Canadian Association of Occupational Therapists, is required in some provinces.
- Occupational therapists may obtain expertise in a particular area through additional training or experience.

Additional information

- Occupational therapists may progress to management or administrative positions through further training and experience.

3144 Other professional occupations in therapy and assessment

This unit group includes specialized therapists not elsewhere classified who use techniques such as athletic, movement, art or recreational therapy to aid in the treatment of mental and physical disabilities or injuries. They are employed by establishments such as hospitals, rehabilitation centres, extended health care facilities, clinics, recreational centres, nursing homes, industry, educational institutions and sports organizations, or they may work in private practice.

Illustrative example(s)

- art therapist
- athletic therapist
- certified athletic therapist (CAT)
- certified kinesiologist
- drama therapist
- exercise physiologist
- human kineticist
- kinesiologist
- movement therapist
- music therapist
- recreational therapist
- registered dance therapist (DTR)

Exclusion(s)

- Family, marriage and other related counsellors (4153)
- Occupational therapists (3143)
- Physiotherapists (3142)
- Recreation, sports and fitness policy researchers, consultants and program officers (4167)
- Technical assistants in therapy and assessment (see 3237 Other technical occupations in therapy and assessment)

Main duties

Therapists and other professionals in this unit group perform some or all of the following duties:

- Assess patients and review reports from physicians, physiotherapists, psychiatrists, counsellors, teachers and other professionals to determine patients' current and potential functioning level
- Prepare individualized and group treatment plans either independently or through a multidisciplinary team approach, based on health concerns and on recommendations from physicians or other health professionals
- Design specialized therapy programs to maintain, rehabilitate or enhance movement, musculoskeletal functioning and performance in sports, work and recreation
- Implement treatment plans by carrying out specialized therapy sessions employing approaches and techniques such as art, drama and music therapy or dance, recreational, sports or other movement therapy
- Observe, record observations and analyze patients during treatment sessions, write progress reports on patient outcomes and consult with other health professionals to evaluate treatment plans
- May provide education to clients regarding health promotion and injury prevention, management and treatment
- May conduct research in respective field of specialization.

Employment requirements

- Kinesiologists usually require a master's degree in kinesiology or human kinetics.
- Certification for kinesiologists is available through the Canadian Kinesiology Alliance.
- Sport therapists require a bachelor's degree in sport therapy, or a degree in health sciences with a specialization in sports injury management.
- Art therapists require a bachelor's degree in psychology and a master's degree in art therapy.
- Music therapists require a bachelor's degree in psychology and a master's degree in music therapy.

- Dance therapists require a bachelor's degree in psychology, and usually require a master's degree in art, drama or movement therapy.
- Recreational therapists usually require a bachelor's degree in recreation with a specialization in therapeutic recreation.
- Supervised practical training is usually required for occupations in this unit group.
- Creative or technical ability in the field of specialization is usually required.
- Certification or membership with the appropriate national professional association or provincial counterpart may be required.

Additional information

- There is no mobility between the different occupations in this unit group.

32 Technical occupations in health

321 Medical technologists and technicians (except dental health)

3211 Medical laboratory technologists

Medical laboratory technologists conduct medical laboratory tests, experiments and analyses to assist in the diagnosis, treatment and prevention of disease. They are employed in medical laboratories in hospitals, blood banks, community and private clinics, research facilities and post-secondary educational institutions. Medical laboratory technologists who are supervisors are included in this unit group.

Illustrative example(s)

- clinical immunology technologist
- cytogenetics technologist - medical laboratory
- histology technologist
- immunohematology technologist
- medical laboratory supervisor
- medical laboratory technologist
- medical technologist - medical laboratory

Exclusion(s)

- Life science technologists in non-medical laboratories (see 2221 Biological technologists and technicians)
- Medical laboratory technicians and pathologists' assistants (3212)
- Physical science technologists in non-medical laboratories (see 2211 Chemical technologists and technicians)

Main duties

Medical laboratory technologists perform some or all of the following duties:

- Set up, operate and maintain laboratory equipment
- Conduct chemical analyses of blood, urine, and cerebrospinal and other body fluids
- Study blood cells and other tissues to determine their relation to various physiological and pathological conditions
- Prepare tissue sections for microscopic examinations using techniques to demonstrate special cellular tissue elements or other characteristics
- Perform blood group, type and compatibility tests for transfusion purposes
- Establish procedures for the analysis of specimens and for medical laboratory experiments
- Conduct quality control assessment of testing techniques
- May supervise and train other medical laboratory technical staff, students and helpers
- May assist pathologists during autopsies.

Medical laboratory technologists may specialize in areas such as clinical chemistry, clinical microbiology, hematology, histotechnology, immunohematology, cytotechnology and cytogenetics.

Employment requirements

- A two- or three-year college program in medical laboratory technology is required and
A period of supervised practical training may be required.
- Registration with a regulatory body is required in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta.
- Certification by the Canadian Society for Medical Laboratory Science is usually required by employers.

3212 Medical laboratory technicians and pathologists' assistants

Medical laboratory technicians conduct routine medical laboratory tests and set up, clean and maintain medical laboratory equipment. They are employed in medical laboratories in hospitals, clinics, research facilities, post-secondary educational institutions and government research laboratories. Pathologists' assistants assist at autopsies and examinations of surgical specimens or perform autopsies under a pathologist's supervision. They are usually employed in hospitals and universities.

Illustrative example(s)

- medical laboratory assistant
- medical laboratory technician
- pathology assistant
- phlebotomist
- phlebotomy aide

Exclusion(s)

- Biological technicians in non-medical laboratories (see 2221 Biological technologists and technicians)
- Chemical technicians in non-medical laboratories (see 2211 Chemical technologists and technicians)
- Medical laboratory technologists (3211)

Main duties

Medical laboratory technicians perform some or all of the following duties:

- Collect blood, tissue and other samples from patients
- Log patient samples and prepare them for testing
- Set up medical laboratory equipment
- Conduct routine laboratory tests and sample analyses
- Perform quality assurance of testing techniques
- Clean and maintain medical laboratory and medical laboratory equipment.

Pathologists' assistants perform some or all of the following duties:

- Prepare for autopsies by obtaining patients' medical records and arranging for radiographic examinations
- Assist with or perform autopsies and surgical specimen examinations under pathologists' supervision
- Dissect, examine, weigh and photograph organs and specimens, collect tissue samples for chemical analysis and record findings
- Discard specimens according to established safety procedures
- Clean and maintain instruments, equipment and supplies
- May prepare bodies for release to funeral homes following completion of autopsies
- May supervise and train junior resident pathologists and morgue attendants.

Employment requirements

- Medical laboratory technicians/assistants require completion of a college certificate program in medical laboratory science.
- Certification by the Canadian Society for Medical Laboratory Science may be required for medical laboratory technicians/assistants.
- Combined laboratory and X-ray technicians require completion of a combined laboratory X-ray technology program.
- Pathologists' assistants require some post-secondary courses or a university degree in life sciences and
Specialized on-the-job training.

3213 Animal health technologists and veterinary technicians

Animal health technologists and veterinary technicians provide technical support to veterinarians by caring for animals and assisting in the diagnosis and treatment of animal health disorders. They are employed in veterinary clinics, animal hospitals, animal shelters, humane societies, zoos, animal research laboratories, pharmaceutical companies and government. Animal health technologists and veterinary technicians who are supervisors are included in this unit group.

Illustrative example(s)

- animal health technician
- animal health technologist
- laboratory animal technician
- registered veterinary technician (RVT)
- veterinarian assistant
- veterinary technician
- veterinary technologist

Exclusion(s)

- Pet groomers and animal care workers (6563)

Main duties

Animal health technologists and veterinary technicians perform some or all of the following duties:

- Provide nursing care and rehabilitation therapy for animals
- Handle, restrain and care for animals undergoing treatment and surgery
- Produce radiographs, collect and analyse samples and perform other laboratory tests to assist in diagnosis of animal health problems
- Assist veterinarian with animals before, during and following surgery by preparing surgical equipment, administering and monitoring anaesthetics and cleaning up after surgery
- Prepare and administer medications and vaccines under direction of a veterinarian
- Administer treatments as prescribed by a veterinarian
- Provide wound and bandage care
- Conduct specialized procedures such as animal identification and hoof trimming
- Educate and advise clients on animal health care including nutrition and home care
- Assist in laboratory research
- Perform routine animal dental procedures and assist veterinarians with animal dentistry
- May perform a variety of office management and clerical duties.

Employment requirements

- Completion of a two- or three-year animal health/veterinary technology college program is required.
- Successful completion of a national registration examination may be required in some employment settings.
- Registration with provincial animal health technologists' or veterinary technicians' associations is available, and is mandatory in some provinces.

Additional information

- With experience, animal health technologists and veterinary technicians may progress to supervisory positions.

3214 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists

Respiratory therapists assist physicians in the diagnosis, treatment and care of patients with respiratory and cardiopulmonary disorders. Clinical perfusionists provide technical support to patients undergoing cardiac surgery and patients requiring cardio-respiratory support. Cardiopulmonary technologists assist physicians in the technical aspects of diagnosis and treatment of cardiovascular and pulmonary disease. Respiratory therapists are employed

in hospitals, extended care facilities, public health centres and respiratory home care companies. Clinical perfusionists and cardiopulmonary technologists are primarily employed in hospitals. Respiratory therapists, clinical perfusionists and cardiopulmonary technologists who are supervisors or instructors are included in this unit group.

Illustrative example(s)

- cardiopulmonary technologist
- cardiovascular perfusion supervisor
- cardiovascular perfusionist
- certified clinical perfusionist (CCP)
- chief respiratory technologist
- chief, respiratory therapy
- clinical perfusionist
- perfusionist
- registered respiratory therapist (RRT)
- respiratory therapist
- respiratory therapy clinical instructor

Exclusion(s)

- Other medical technologists and technicians (except dental health) (3219)
- Other technical occupations in therapy and assessment (3237)

Main duties

Respiratory therapists perform some or all of the following duties:

- Perform diagnostic tests, such as arterial blood gas analysis and cardiopulmonary functions tests
- Operate and monitor respiratory equipment to administer treatments such as oxygen, oxygen-air mixtures, humidified air or medications
- Operate, monitor, maintain and test a variety of diagnostic and therapeutic equipment
- Assess patients and perform or assist with interventions such as airway maintenance, line insertions, inductions and intubations
- Perform artificial respiration and external cardiac massage
- Assist with transport of high-risk patients
- Supervise and train students and other respiratory therapists
- Participate in home care programs for chronic respiratory patients and provide patient and family education
- Participate in research related to cardiac and pulmonary disorders.

Respiratory therapists may specialize in areas such as anaesthesia, critical care, pediatrics, cardiopulmonary diagnostics and respiratory home care.

Clinical perfusionists perform some or all of the following duties:

- Assemble, maintain and operate extracorporeal circulation equipment, intra-aortic balloon pumps and other heart assist devices to support or temporarily replace patients' cardiopulmonary functions during open-heart surgery
- Administer blood products, drugs and other substances through heart-lung machines and other devices as directed by cardiac surgeons and anaesthetists to maintain adequate flow of oxygenated blood to all organs of the body
- Monitor vital signs to support and maintain patients' physiological functions and metabolic needs during cardiopulmonary surgery
- Participate in routine maintenance, calibration and inspection of all perfusion related equipment
- Supervise and train student clinical perfusionists and other clinical perfusionists.

Cardiopulmonary technologists perform some or all of the following duties:

- Perform diagnostic tests, such as pulmonary function and asthma stress, or assist physicians with cardiac and cardiopulmonary stress tests and bronchoscopies
- Determine patients' blood characteristics such as activated clotting time and oxygen saturation
- Operate, monitor, maintain, calibrate and test diagnostic and therapeutic equipment
- Monitor patients and advise physician of any changes in patients' condition
- Prepare medications and administer inhaler and other treatments under supervision of cardiologist

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- Provide information and care for patients during tests
 - Assist with the preparation of cardiac catheterization room, prepare specialized catheters and assist cardiologists during catheterization
 - Perform analysis, programming and monitoring of implanted devices such as pacemakers and defibrillators during surgery
 - Supervise and train students and other cardiopulmonary technologists
 - Provide technical support for research.

Employment requirements

- Respiratory therapists require the completion of a three-year college, hospital or university degree program in respiratory therapy, including clinical training.
- Licensing is required for respiratory therapists in Quebec, Ontario, Manitoba and Alberta.
- Clinical perfusionists require the completion of a respiratory therapy or registered nursing program with a minimum of one year of work experience as a respiratory therapist or registered nurse and Completion of a college or university program in clinical perfusion, including clinical training.
- Certification with the Canadian Society of Clinical Perfusion is required for clinical perfusionists.
- Cardiopulmonary technologists require a two-year college diploma in an allied health discipline such as respiratory therapy, nursing diploma, or a university degree in a related science and Completion of a college post-diploma program in cardiovascular technology and additional training in pulmonary technology through courses or supervised on-the-job clinical training.
- Registration with the Canadian Association of Cardio-pulmonary Technologists (CACPT) may be required.

Additional information

- Supervisory and instructor positions in this unit group require experience in their respective fields as a respiratory therapist, clinical perfusionist or cardiopulmonary technologist.

3215 Medical radiation technologists

This unit group includes technologists who operate radiographic and radiation therapy equipment to administer radiation treatment and produce images of body structures for the diagnosis and treatment of injury and disease. They are employed in hospitals, cancer treatment centres, clinics, radiological laboratories, colleges and universities. Medical radiation technologists who are supervisors or instructors are included in this unit group.

Illustrative example(s)

- clinical instructor, radiation therapy
- magnetic resonance imaging (MRI) technologist
- mammography technician
- nuclear medicine clinical instructor
- nuclear medicine technologist
- radiation oncology technologist
- radiation therapist
- radiation therapy technologist (RTT)
- radiography technologist
- radiological technologist
- radiotherapy technician
- supervisor, nuclear medicine technologists
- X-ray (radiology) technician

Exclusion(s)

- Other medical technologists and technicians (see 321 Medical technologists and technicians (except dental health))

Main duties

Radiological technologists perform some or all of the following duties:

- Operate X-ray, radiographic and fluoroscopic equipment, computerized tomography (CT) scanners, mammography units and magnetic resonance imaging (MRI) scanners to produce radiographs or anatomic images of the human body for the diagnosis by radiologists of disease or injury
- Record and process patient data
- Perform basic verification and quality control checks on radiographic and film processing equipment
- Provide appropriate care and monitoring of the patient during the radiographic examination
- Explain procedures, position patient and equipment and apply radiation protection measures
- May train and supervise student radiographers or supervise other radiological technologists.

Radiological technologists may specialize in areas such as computerized tomography, angiography, mammography, magnetic resonance imaging, interventional radiology, dosimetry, stereotaxy or brachytherapy.

Nuclear medicine technologists perform some or all of the following duties:

- Prepare and administer radiopharmaceuticals, such as radionuclides and other tracer materials to patients or to biological samples
- Operate radiation detection equipment, such as gamma cameras, scanners, scintillation counters, tomodensitometers and ionization chambers, to acquire data for use by nuclear medicine physicians in the diagnosis of disease
- Perform diagnostic procedures using radioactive materials on biological specimens, such as blood, urine and faeces
- Record and process results of procedures
- Check equipment to ensure proper operation
- Provide appropriate care and monitoring of the patient during the examination
- Apply radiation protection measures
- May train and supervise student nuclear medicine technologists or supervise other nuclear medicine technologists.

Radiation therapists perform some or all of the following duties:

- Operate linear accelerators, cobalt 60, X-ray and other radiation therapy equipment to administer radiation treatment prescribed by radiation oncologists
- Check radiation therapy equipment to ensure proper operation
- Assist radiation oncologists and clinical physicists with preparation of radiation treatment plan
- Assist in the preparation of sealed radioactive materials such as cobalt, radium, cesium and isotopes and the construction of devices such as plaster casts and acrylic moulds to assist with administration of radiation treatment
- Provide appropriate care and monitoring of the patient's physical and psychological well-being during the entire course of treatment
- Explain procedures and side effects of radiation
- May train and supervise student radiotherapy technologists or supervise other radiotherapy technologists.

Employment requirements

- Completion of a two- to three-year college, hospital or other approved program in diagnostic radiography or magnetic resonance imaging (for radiological technologists and magnetic resonance technologists), nuclear medicine technology (for nuclear medicine technologists) or radiation therapy (for radiation therapists)
or
A bachelor of health sciences in radiography, nuclear medicine or radiation therapy
and
A period of supervised practical training are required.
- Licensure with a regulatory body is required in all provinces.
- Certification by the Canadian Association of Medical Radiation Technologists is required in all provinces except Quebec.

Additional information

- There is no mobility between the three types of medical radiation technologists without further training.
- Experience as a medical radiation technologist is required for supervisors and instructors.

3216 Medical sonographers

Medical sonographers operate ultrasound equipment to produce and record images of various parts of the body to aid physicians in monitoring pregnancies and in diagnosing cardiac, ophthalmic, vascular and other medical disorders. They are employed in clinics and hospitals. Medical sonographers who are supervisors or instructors are included in this unit group.

Illustrative example(s)

- diagnostic medical sonography instructor
- medical sonographer
- medical sonographers supervisor
- registered diagnostic medical sonographer (RDMS)
- ultrasound technologist

Exclusion(s)

- Medical radiation technologists (3215)

Main duties

Medical sonographers perform some or all of the following duties:

- Operate ultrasound imaging equipment that transmits high frequency sound pulses through the body to produce images of those parts of the body requiring examination
- Monitor examination by viewing images on video screen, to evaluate quality and consistency of diagnostic images, and make adjustments to equipment, as required
- Record, store and process scanned images by using camera unit connected to ultrasound equipment
- Observe and care for patients throughout examinations to ensure patient safety and comfort
- Prepare examination reports for physicians to aid in the monitoring of pregnancies and the diagnosis of cardiac, abdominal, ophthalmic, vascular and other disorders
- Perform quality control checks on ultrasound equipment to ensure proper operation and perform minor repairs and adjustments as required
- May supervise and train student and other medical sonographers.

Medical sonographers may specialize in abdominal, cardiac, cerebral, obstetrical and gynaecological, ophthalmic, intraluminal or peripheral vascular sonography. They may also specialize in adult or pediatric echocardiography or neurosonology.

Employment requirements

- Completion of a three- to four-year program in diagnostic medical sonography or ultrasound technology or Completion of a two- to three-year program in a related allied health field and a one-year post-diploma program in diagnostic medical sonography from an accredited institution are required.
- Registration with the Canadian Association of Registered Diagnostic Medical Ultrasound Professionals and/or the American Registry of Diagnostic Medical Sonographers is usually required by employers.
- Registration with l'Ordre des Technologues en Radiologie du Québec is required in Quebec.

Additional information

- Membership in the Canadian Society of Diagnostic Medical Sonographers is available but voluntary.

3217 Cardiology technologists and electrophysiological diagnostic technologists, n.e.c.

Cardiology technologists operate electrocardiogram and other electronic equipment to record cardiac activity of patients to aid in the diagnosis, monitoring and treatment of heart disease. Electrophysiological diagnostic technologists, not elsewhere classified, operate electroencephalographic, electromyographic and other electrophysiological diagnostic equipment to assist physicians in diagnosing diseases, injuries and abnormalities. Cardiology technologists and electrophysiological diagnostic technologists who are supervisors or instructors are included in this unit group. They are employed in clinics, hospitals and medical laboratories.

Illustrative example(s)

- cardiac stress technologist
- cardiology supervisor
- cardiology technologist
- electrocardiographic (ECG) technologist
- electrocardiography technologist
- electroencephalograph (EEG) technologist
- electromyography (EMG) technologist
- electroneurodiagnostic (END) technologist
- electroneurophysiology (ENP) technologist

Exclusion(s)

- Cardiovascular perfusionists (see 3214 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists)

Main duties

Cardiology technologists perform some or all of the following duties:

- Operate electrocardiogram and other electronic equipment to record cardiac activity of patients
- Perform cardiovascular procedures and tests, such as electrocardiograms, exercise tolerance tests, ambulatory monitoring and scanning of tapes, holter arrhythmia scanning, pacemaker analysis and follow-up
- Record and assess cardiac activity and provide preliminary reports of tests
- Provide patients with care during procedures and tests
- Prepare reports for interpretation by cardiologists
- Reprogram pacemakers according to required standards
- Check, calibrate and perform routine maintenance of cardiology equipment to ensure proper operation
- May analyze tests and notify physician or other health care professionals of abnormalities
- May administer certain drugs under direct supervision of physician
- May document and record pacemaker implant threshold measurements under direct supervision of cardiac surgeon
- May supervise and train students, other cardiology technologists and nurses.

Electrophysiological technologists perform some or all of the following duties:

- Review patient's case history and assess nature of problem to determine procedures and tests required
- Attach diagnostic equipment to patients and ensure their comfort and safety
- Operate diagnostic equipment such as electroencephalographic and evoked potential equipment to record the electrical activity of the brain and cranial and central nervous systems
- Operate electromyographic equipment to conduct electrophysiological nerve conduction velocity tests and to assist physicians in conducting electrophysiological tests such as muscle strength and repetitive stimulation
- Take notes on the recorded graph to identify interference such as poor electrode contact or patient movement
- Prepare recordings and reports of findings for physicians to aid in the diagnosis of neurological disorders
- Check, calibrate and perform routine maintenance of diagnostic equipment
- Train and supervise students, technicians or other electroencephalograph technologists.

Employment requirements

- Cardiology technologists require completion of a two-year college diploma program in cardiology technology and Supervised practical training.
- Cardiology technologists require registration with the Canadian Society of Cardiology Technologists in all provinces except Quebec.
- Electroencephalograph and other diagnostic technologists require completion of a two-year college or hospital-based program in electrophysiology technology and Supervised practical training.

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- Registration with the Canadian Board of Electroencephalograph Technologists is available for electroencephalograph technologists and is usually required by employers.
 - Registration with the Association of Electromyography Technologists of Canada is available for electromyography technologists and is usually required by employers.

3219 Other medical technologists and technicians (except dental health)

This unit group includes medical technologists and technicians not elsewhere classified, such as dietary technicians, pharmacy technicians, ocularists, prosthetists, orthotists, prosthetic technicians and orthotic technicians. Dietary technicians are employed in health care and commercial food service establishments such as hospitals, extended care facilities, nursing homes, schools, cafeterias and fast food outlets. Pharmacy technicians are employed in retail and hospital pharmacies, long-term care facilities and by pharmaceutical manufacturers. Ocularists are employed in custom ocular prosthetic laboratories, or they may be self-employed. Prosthetists, orthotists and prosthetic and orthotic technicians are employed in hospitals, clinics, prosthetics and orthotics laboratories, and prosthetic device manufacturing companies. Prosthetists and orthotists may also be self-employed.

Illustrative example(s)

- dietary technician
- food and nutrition technician - dietetics
- ocularist
- ocularist technician
- orthotic technician
- orthotist
- pharmacy technician
- prosthetic technician
- prosthetist

Exclusion(s)

- Other health care technologists and technicians (see 321 Medical technologists and technicians (except dental health))
- Pharmacy aides (see 3414 Other assisting occupations in support of health services)
- Technologists and technicians in therapy and assessment (see 3237 Other technical occupations in therapy and assessment)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Dietary technicians assist dietitians or nutritionists to plan and supervise food service operations; plan menus and diet for individuals or groups under the direction of a dietitian or nutritionist; assist in the supervision of personnel who prepare and serve food; help patients select menu items; and assist dietitians with research in food, nutrition and food service systems.
- Pharmacy technicians assist pharmacists to maintain inventories of medications and prescription records of pharmaceutical products; ensure the information on prescriptions is accurate, enter client information in databases and prepare medications for clients; compound oral solutions, ointments and creams; bill third party insurers; and may help with scheduling and workflow.
- Ocularists design, fabricate and fit ocular prostheses and conformers, and may design and fabricate implants; paint the iris and pupil of artificial eyes; clean and restore ocular prostheses; advise patients concerning the loss of depth perception and the care and use of ocular prostheses; repair and maintain fabrication and laboratory equipment; and consult with ophthalmologists concerning insertion of ocular prostheses.
- Prosthetists and orthotists design, fabricate and fit prosthetic and orthotic appliances such as artificial limbs, braces or supports; interpret physicians' specifications and examine and measure patients to develop working sketches of appliances; make and modify plaster casts of areas to receive prostheses or orthoses; fit, adjust and repair appliances; advise patients in the use and care of prostheses and orthoses; and supervise and direct the activities of prosthetic and orthotic technicians.

- Prosthetic and orthotic technicians assemble or build prosthetic and orthotic appliances according to drawings, measurements and plaster casts using a variety of materials such as metals, plastics and leathers; repair, rebuild and modify prosthetic and orthotic appliances or orthopaedic footwear; and may take the body or limb measurements of patients.

Employment requirements

- Dietary technicians require completion of a two- to three-year college program in dietary technology and supervised practical training.
- Pharmacy technicians usually require completion of a two- to three-year college program in pharmaceuticals.
- Ocularists require completion of the ocularist training program of the American Society of Ocularists and supervised practical training
or
A five-year supervised practical training program under a certified ocularist.
- Certification by the National Examining Board of Ocularists is usually required.
- Prosthetists and orthotists require a two-year college program in prosthetics and orthotics technology and three years of supervised practical training.
- Certification by the Canadian Board of Certification of Prosthetists and Orthotists (CBCPO) may be required.
- Prosthetic and orthotic technicians usually require a two- to three- year college program in prosthetics and orthotics and one to two years of supervised practical training
or
Completion of secondary school and up to four years of supervised practical training under a certified prosthetist or orthotist.
- Registration with the Canadian Association of Prosthetists and Orthotists (CAPO) may be required.

Additional information

- Prosthetic and orthotic technicians may become certified prosthetists or orthotists with an additional two years of experience as a registered prosthetic or orthotic technician and completion of certification examinations by the Canadian Board of Certification of Prosthetists and Orthotists.

322 Technical occupations in dental health care

3221 Denturists

Denturists examine patients and design, construct and repair removable dentures. Most denturists work in private practice.

Illustrative example(s)

- dental mechanic
- denturist
- denturologist

Exclusion(s)

- Dental assistants (3411)
- Dental hygienists and dental therapists (3222)
- Dental technologists, technicians and laboratory assistants (3223)
- Dentists (3113)

Main duties

Denturists perform some or all of the following duties:

- Measure patients' jaws to determine size and shape of dentures required
- Make impressions of patients' teeth, gums and jaws
- Design and construct dentures or direct other workers to construct dentures
- Insert, fit and modify new dentures
- Repair dentures

- Reline, rebase and adjust dentures
- Fabricate mouth protectors, anti-snoring prostheses and removable prostheses on implants
- May order radiographs
- May prepare partial dentures
- May perform denture whitening and cleaning.

Employment requirements

- Completion of a two- or three-year college program in denturism/denturology is required.
- An internship in a registered denture clinic may be required.
- Licensing by a provincial or territorial regulatory body is required.

3222 Dental hygienists and dental therapists

Dental hygienists provide dental hygiene treatment and information related to the prevention of diseases and disorders of the teeth and mouth. They are employed in dentists' offices, hospitals, clinics, educational institutions, government agencies and private industry. Dental therapists carry out limited dental services related to the prevention and treatment of diseases and disorders of the teeth and mouth. They are employed by the federal government and the provincial governments to provide services in rural and remote communities.

Illustrative example(s)

- dental hygienist
- dental nurse
- dental therapist

Exclusion(s)

- Dental assistants (3411)
- Dental technologists, technicians and laboratory assistants (3223)
- Dentists (3113)
- Denturists (3221)

Main duties

Dental hygienists perform some or all of the following duties:

- Conduct an initial dental assessment and consult with dentists on patient care
- Take dental impressions
- Instruct patients regarding oral hygiene procedures
- Clean and stimulate the gums to prevent gum disease
- Remove stains and deposits from teeth to prevent tooth and root decay
- Apply fluoride treatment
- Take and develop X-rays
- May perform restorative and orthodontic procedures under the direction of a dentist
- May supervise dental assistants in their health care functions.

Dental therapists perform some or all of the following duties:

- Conduct dental assessments and consult with dentist on patient care
- Take dental impressions
- Take and develop X-rays
- Remove stains and deposits from teeth to prevent tooth and root decay
- Apply fluoride treatment
- Instruct patients regarding oral hygiene procedures
- Supervise dental assistants in their health care functions
- May drill and fill cavities, extract teeth and replace portions of tooth crown.

Employment requirements

- Dental hygienists are required to complete a college program ranging from one to three years, or other approved program in dental hygiene recognized by the governing board within the province or territory of residence.

- Dental therapists are required to complete a two- to three- year college diploma or equivalent credentials from an approved dental institution.
or
Complete the dental therapy diploma program offered by the First Nations University of Canada in Prince Albert, Saskatchewan.
- Licensing by the appropriate provincial or territorial regulatory body is required for dental hygienists.
- Licensure is required for dental therapists in Newfoundland and Labrador, Saskatchewan, the Yukon, the Northwest Territories and Nunavut.

3223 Dental technologists, technicians and laboratory assistants

Dental technologists and technicians design, prepare and fabricate dentures and dental devices as prescribed by dentists and other specialists. Dental laboratory assistants assist dental technologists and technicians in preparing and fabricating dentures and other dental devices. They are employed in dental laboratories. Dental technologists and technicians who are supervisors are included in this unit group.

Illustrative example(s)

- ceramic denture moulder
- dental laboratory assistant
- dental technician
- dental technician supervisor
- dental technologist
- denture finisher
- denture wax pattern former
- orthodontic band maker
- registered dental technician
- registered dental technologist

Exclusion(s)

- Dental assistants (3411)
- Dental hygienists and dental therapists (3222)
- Denturists (3221)

Main duties

Dental technologists, technicians and laboratory assistants perform some or all of the following duties:

- Design, fabricate or repair dental devices including full or partial dentures, orthodontic appliances, crowns, bridges, inlays, onlays, clasps and bands, and implants
- Prepare plaster models and moulds from dental impressions
- Prepare wax bite-blocks and impression trays
- Cast gold or metal alloys for bridges and denture bases
- Pack plastic material in moulds to form full or partial dentures
- Mould wax over denture set-up to form full contours of artificial gums
- Make orthodontic bands from gold, silver, stainless steel or other metals
- Finish metal framework of dentures and polish and buff dentures to obtain natural finish
- May consult with dentists or other specialists on problematic dental cases
- May train and supervise other dental technicians and dental laboratory assistants in fabricating dentures and other dental devices
- May perform administrative functions for the dental laboratory.

Employment requirements

- Dental technologists and technicians are required to complete a college program in dental technology
or
Four or more years of on-the-job training under the supervision of a registered dental technologist or technician.
- Registration with a regulatory body is required for dental technologists and technicians in all provinces except in Manitoba and the territories.

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- Dental laboratory assistants usually require secondary school and up to two years of on-the-job training.

Additional information

- Dental laboratory assistants may progress to dental technologist and technician positions with training, experience and registration.

323 Other technical occupations in health care

3231 Opticians

Opticians fit clients with prescription eyeglasses or contact lenses, assist clients in the selection of eyeglass frames, arrange for the production of eyeglasses or contact lenses and mount lenses in eyeglass frames. They are employed in optical retail outlets or other establishments with optical dispensing departments, or they may be self-employed. Student opticians and opticians who are managers of optical retail outlets are included in this unit group.

Illustrative example(s)

- contact lens fitter
- contact lens technician
- dispensing optician
- ophthalmic dispenser
- optician

Exclusion(s)

- Managers of optical retail outlets or of optical dispensing departments who are not opticians (see 0621 Retail and wholesale trade managers)
- Ocularists (see 3219 Other medical technologists and technicians (except dental health))
- Ophthalmologists (see 3111 Specialist physicians)
- Optical lab technicians (see 3414 Other assisting occupations in support of health services)
- Optometrists (3121)

Main duties

Opticians perform some or all of the following duties:

- Obtain specifications for eyeglasses or contact lenses from a prescription prepared by an ophthalmologist or optometrist or by analyzing the client's eyeglasses or contact lenses and by measuring client's eye curvature, pupillary distance and bridge width, using optical measuring devices
- Assist clients in selecting eyeglasses by advising on lens materials, frames, tints and anti-reflection coating
- Advise on use and care of contact lenses
- Arrange for grinding and polishing of lenses or grind and polish lenses
- Cut and edge lenses and fit lenses into frames
- Adjust finished eyeglasses to fit client
- May supervise or manage the activities of other opticians or student opticians.

Employment requirements

- Completion of a two- or three-year college program in ophthalmic dispensing or optical sciences is required.
- Licensing by a regulatory body for opticians is required in all provinces.
- Licensing requirements for scope of practice and protected titles related to dispensing and contact lens certification vary by province.

3232 Practitioners of natural healing

Practitioners of natural healing provide health care to patients using traditional Chinese medicine techniques and other forms of treatment including acupuncture, herbology or reflexology to promote, maintain and restore the holistic health of patients. They usually work in private practice, including group or team practices, or are employed by clinics, health clubs and spas.

Illustrative example(s)

- acupuncturist
- aromatherapist
- ayurvedic practitioner
- herbalist
- homeopathist
- reflexologist
- traditional Chinese medicine practitioner

Exclusion(s)

- Massage therapists (3236)
- Midwives (see 3124 Allied primary health practitioners)
- Naturopathic and osteopathic physicians (see 3125 Other professional occupations in health diagnosing and treating)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Traditional Chinese medicine practitioners diagnose the diseases, physiological disorders and injuries of patients and treat them using raw herbs and other medicines, dietary supplements or acupuncture.
- Acupuncturists diagnose symptoms, physiological disorders and injuries of patients and treat them by the insertion of acupuncture needles or through stimulation techniques such as acupressure, moxibustion, cupping or electrical current.
- Herbalists assess patients and advise them on the use of herbs for the treatment of conditions such as arthritis, rheumatism, asthma, skin disorders and stomach ailments and may cultivate herbs and manufacture and sell herbal compounds.
- Homeopaths diagnose illnesses and treat them by administering, in chemical or herbal form, a small dosage of the illness itself or by suggesting lifestyle changes.
- Reflexologists apply gentle finger pressure to specific spots on the clients' feet or hands to promote relaxation and better health and well-being.

Employment requirements

- Traditional Chinese medicine practitioners usually require completion of a three- to four-year diploma program in traditional Chinese medicine from a private institute or completion of a program in traditional Chinese medicine from recognized medical schools abroad.
- Registration with a regulatory body is required for traditional Chinese medicine practitioners in Ontario and British Columbia.
- Registration with a regulatory body is required for acupuncturists in Quebec, Ontario, Alberta and British Columbia.
- Acupuncturists usually require completion of a three-year diploma program in acupuncture from a private institute or completion of some university undergraduate studies in science and training in a related health care discipline or work experience under the supervision of a registered acupuncturist.
- Other occupations in this unit group usually require completion of training programs specific to their type of practice and some supervised practical training.

Additional information

- Traditional Chinese medicine practitioners may include acupuncture or herbology as part of their healing techniques.

3233 Licensed practical nurses

Licensed practical nurses provide nursing care usually under the direction of medical practitioners, registered nurses or other health team members. They are employed in hospitals, nursing homes, extended care facilities, rehabilitation centres, doctors' offices, clinics, companies, private homes and community health centres. Operating room technicians are included in this unit group.

Illustrative example(s)

- graduate nursing assistant
- licensed practical nurse (L.P.N.)
- operating room technician
- registered nursing assistant (R.N.A.)

Exclusion(s)

- Home health aides (see 4412 Home support workers, housekeepers and related occupations)
- Nurse aides, orderlies and patient service associates (3413)

Main duties

Licensed practical nurses perform some or all of the following duties:

- Provide nursing services, within defined scope of practice, to patients based on patient assessment and care planning procedures
- Perform nursing interventions such as taking vital signs, applying aseptic techniques including sterile dressing, ensuring infection control, monitoring nutritional intake and conducting specimen collection
- Administer medication and observe and document therapeutic effects
- Provide pre-operative and post-operative personal and comfort care
- Monitor established respiratory therapy and intravenous therapy
- Monitor patients' progress, evaluate effectiveness of nursing interventions and consult with appropriate members of healthcare team
- Provide safety and health education to individuals and their families.

Operating room technicians perform some or all of the following duties:

- Prepare patients for surgery by washing, shaving and sterilizing the patients' operative areas
- Assist in surgery by laying out instruments, setting up equipment, assisting surgical teams with gowns and gloves and passing instruments to surgeons
- Clean and sterilize the operating room and instruments.

Employment requirements

- Completion of a vocational, college or other approved program for licensed practical nurses is required.
- Registration with a regulatory body is required in all provinces and territories.
- Completion of the Canadian Practical Nurse Registration Examination is required in all provinces and territories except Quebec.
- Operating room technicians require either additional academic training in operating room techniques or on-the-job training.

Additional information

- Working under the direction of a medical practitioner or registered nurse is not required for licensed practical nurses in all jurisdictions.

3234 Paramedical occupations

This unit group includes workers who administer pre-hospital emergency medical care to patients with injuries or medical illnesses and transport them to hospitals or other medical facilities for further medical care. They are employed by private ambulance services, hospitals, fire departments, government departments and agencies, manufacturing firms, mining companies and other private sector establishments. Paramedics who are supervisors are included in this unit group.

Illustrative example(s)

- advanced care paramedic
- ambulance attendant
- critical care paramedic
- emergency medical attendant (EMA)
- emergency medical technician (EMT)
- emergency medical technician, paramedic
- emergency medical technologist - paramedic (EMT-P)
- paramedic
- primary care paramedic
- supervisor, ambulance services

Exclusion(s)

- Emergency medical responders (see 3413 Nurse aides, orderlies and patient service associates)
- Other assisting occupations in support of health services (3414)

Main duties

Workers in this unit group perform some or all of the following duties:

- Assess extent of injuries or medical illnesses of trauma victims, patients with respiratory disease and stress, overdose and poisoning victims, industrial accident victims and other ill or injured individuals to determine emergency medical treatment
- Administer pre-hospital emergency care to patients such as oxygen therapy, cardiopulmonary resuscitation (CPR), spinal immobilization, bandaging and splinting
- Establish and maintain intravenous treatment (IV), apply adjunctive equipment for ventilation and circulation complications, administer medications and provide other advanced emergency treatment to patients
- Transport patients by air, land or water to hospital or other medical facility for further medical care
- Collaborate with ambulance dispatch centres, hospital staff, police, firefighters and family members to ensure relevant information is collected and proper treatment is administered
- Document and record nature of injuries and illnesses and treatment provided
- Assist hospital personnel with provision of medical treatment, if necessary
- Maintain ambulances and emergency care equipment and supplies
- May train and supervise other workers in this unit group
- May assist with triage of emergency patients.

Employment requirements

- Completion of a one- to three-year college, hospital-based or other recognized paramedical or emergency medical technology program is required.
- Licensing by a regulatory body is required in all provinces.
- Those operating emergency vehicles require an appropriate class of licence.

3236 Massage therapists

Massage therapists assess soft tissues and joints of the body for treatment and prevention of dysfunction, injury, pain and physical disorders. Massage therapists work in private practice, including group or team practices, hospitals, clinics, extended care facilities, rehabilitation centres and educational institutions.

Illustrative example(s)

- massage therapist (MT)
- registered massage practitioner
- registered massage therapist (RMT)

Exclusion(s)

- Medical technologists and technicians (except dental health) (321)
- Other technical occupations in health care (323)
- Physiotherapy assistants (see 3237 Other technical occupations in therapy and assessment)

Main duties

Massage therapists perform some or all of the following duties:

- Assess clients by conducting range of motion and muscle tests and propose treatment plans
- Explain procedures, risks and benefits to clients
- Administer massage techniques, treating soft tissues and joints of the body through soft tissue manipulation, relaxation techniques, hydrotherapy, trigger point therapy, joint pain and lower grade mobilizations, remedial exercise programs and client self-help programs
- Suggest home care instructions and provide information about techniques for further postural improvement and stretching, strengthening, relaxation and rehabilitative exercises
- Maintain records of treatments given
- May consult with other health care professionals such as physiotherapists, chiropractors, physicians and psychologists when developing treatment plans for clients.

Massage therapists may be trained in various specialized massage techniques.

Employment requirements

- Massage therapists usually require completion of an 18- to 24-month or 18- to 36-month program in massage therapy from an accredited school and a period of supervised practical training.
- Registration with a regulatory body is required in Newfoundland and Labrador, Ontario and British Columbia.

3237 Other technical occupations in therapy and assessment

This unit group includes workers, not elsewhere classified, who perform various technical therapy and assessment functions. Some may assist professionals such as audiologists, speech-language pathologists, ophthalmologists, physiotherapists and occupational therapists. They are employed in hospitals, clinics, extended care facilities, rehabilitation centres, educational institutions and in the private practices of the professionals they assist.

Illustrative example(s)

- audiology technician
- audiometric assistant
- audiometric technician
- communicative disorders assistant
- hearing instrument practitioner
- occupational therapy assistant
- ophthalmic assistant
- ophthalmic technician
- ophthalmic technologist
- ophthalmologist assistant
- physical rehabilitation technician
- physiotherapy technician
- speech technician
- speech therapy assistant

Exclusion(s)

- Medical technologists and technicians (except dental health) (321)
- Other technical occupations in health care (323)
- Physiotherapy helpers and chiropractic aides (see 3414 Other assisting occupations in support of health services)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Hearing instrument practitioners examine adult clients to assess hearing loss using diagnostic evaluation and electro acoustic testing; recommend and dispense appropriate type of hearing instrument; take earmold impressions for use in the manufacture of hearing devices; fit, adjust and make minor modifications to hearing instruments; educate clients in appropriate use, care and maintenance of hearing instruments and perform follow-up examinations and readjustments.
- Audiometric technicians, under the supervision of audiologists, administer tests such as pure tone hearing screening, impedance tests and noise level measurements using equipment such as audiometers and sound level meters to determine hearing thresholds of patients; instruct patients on test procedures and record results; monitor, check and calibrate auditory equipment; may take earmold impressions and fit and adjust hearing instruments.
- Communicative disorders assistants and speech-language pathology assistants assist speech-language pathologists during assessment of patients; carry out treatment programs and develop materials for use with patients, under the supervision of speech-language pathologists; document patient rehabilitation progress; and check and maintain therapeutic equipment and materials.
- Ophthalmic medical assistants operate ophthalmic testing and measuring instruments to aid ophthalmologists in assessing patients' vision; record test results; assist ophthalmologists in office surgery; administer eye drops, ointments and medications as directed by ophthalmologists; clean and maintain instruments and equipment used during examinations; take patients' general medical and ophthalmic history; and perform various administrative duties.
- Physiotherapy assistants and occupational therapy assistants, under the direction of physiotherapists and/or occupational therapists, carry out treatment programs such as thermotherapy, traction, hydrotherapy and electrotherapeutic techniques to rehabilitate patients with various injuries or disabilities to maximize their ability to independently manage daily activities.

Employment requirements

- Hearing instrument practitioners require completion of a three-year college diploma in a hearing instrument specialist program, including a period of supervised training.
- Licensure with a regulatory body is required for hearing instrument practitioners in all provinces except in Ontario where membership with the Association of Hearing Instrument Practitioners (AHIP) is required. Hearing instrument practitioners can prescribe and dispense hearing instruments except in Ontario where dispensing is dependant on a prescription from a physician or audiologist.
- Audiometric technicians and communicative disorders and speech-language pathology assistants require completion of a 12- to 18-month college program in communicative disorders
or
Some post-secondary education and on-the-job training.
- Ophthalmic medical assistants require completion of a one- to two-year college program or a two-year hospital-based training program in ophthalmic medical technology
or
A minimum of one year of supervised practical training under an ophthalmologist and completion of an approved ophthalmic assistant home study program.
- Physiotherapy assistants require completion of a two- to three-year college program in physical rehabilitation therapy
or
A two-year physical therapy assistant (PTA) program and supervised practical training.
- Occupational therapy assistants require completion of a two-year occupational therapy assistant (OTA) college program.

Additional information

- Currently, the qualifications of physical rehabilitation technicians are recognized only in the province of Quebec.
- In most provinces occupational therapy assistants (OTA) and physiotherapy assistants (PTA) receive training through a single OTA/PTA program in community colleges.

34 Assisting occupations in support of health services

341 Assisting occupations in support of health services

3411 Dental assistants

Dental assistants assist dentists, dental hygienists and dental therapists during the examination and treatment of patients and perform clerical functions. Dental assistants work in dentists' offices, community health centres, clinics and in educational institutions.

Illustrative example(s)

- certified dental assistant
- certified intra-oral dental assistant
- dental assistant
- registered dental assistant

Exclusion(s)

- Dental hygienists and dental therapists (3222)
- Dental technologists, technicians and laboratory assistants (3223)

Main duties

Dental assistants perform some or all of the following duties:

- Prepare patients for dental examination and assist the dentist during the examination
- Sterilize and maintain instruments and equipment
- Prepare dental instruments and filling materials
- Take and develop X-rays
- Polish teeth and clinical crowns and apply fluoride and sealant
- Take preliminary impressions for diagnostic casts
- Fabricate and place temporary crowns and restorations
- Educate patients concerning oral hygiene
- Invoice patients for dental services
- Schedule patient appointments and record dental procedures performed
- Order dental and office supplies
- May perform intra-oral duties such as remove sutures, take and record vital signs, apply desensitizing agents, topical anaesthetic, anticariogenic agents and apply and remove rubber dams.

Employment requirements

- Completion of an eight-month to one-year college or other program in dental assistance
or
Completion of secondary school with on-the-job training is required.
- Licensing is required to perform intra-oral duties in all provinces. In Quebec, intra-oral duties are not performed by dental assistants.

Additional information

- In some provinces there are two levels of dental assistants: Level I - chair-side assistant and Level II - intra-oral assistant. Progression from Level I to Level II is possible with education, training and licensure.

3413 Nurse aides, orderlies and patient service associates

Nurse aides, orderlies and patient service associates assist nurses, hospital staff and physicians in the basic care of patients. They are employed in hospitals, nursing homes, assisted care facilities for the elderly and other health care establishments.

Illustrative example(s)

- emergency medical responder
- health care aide

- hospital attendant
- long term care aide
- nurse aide
- nursing attendant
- orderly
- patient care aide
- patient service associate
- personal care attendant - medical
- psychiatric aide
- resident care aide - medical

Exclusion(s)

- Licensed practical nurses (3233)
- Other assisting occupations in support of health services (3414)
- Personal care attendants - home care (see 4412 Home support workers, housekeepers and related occupations)

Main duties

Nurse aides, orderlies and patient service associates perform some or all of the following duties:

- Answer call signals; supply and empty bed pans; bathe, dress and groom patients; serve meal trays, feed or assist in feeding of patients and assist patients with menu selection; weigh, lift, turn, and position patients; shave patients prior to operations; supervise patients' exercise routines, set up and provide leisure activities for patients, accompany patients on outside recreational activities and perform other duties related to patient care and comfort
- Take patients' blood pressure, temperature and pulse; report or record fluid intake and output; observe or monitor patients' status and document patient care on charts; administer first aid in emergency situations; collect specimens such as urine, faeces or sputum; administer suppositories, colonic irrigations and enemas and perform other procedures as directed by nursing and hospital staff
- Transport patients by wheelchair or stretcher for treatment or surgery
- Carry messages, reports, requisitions and specimens between departments
- Make beds and maintain patients' rooms
- Maintain inventory of supplies
- May perform maintenance tasks such as assisting with the set-up and maintenance of traction equipment, cleaning or sterilizing equipment, maintaining and repairing equipment, and assembling, setting-up and operating job-related equipment
- May transport patients between care facilities.

Employment requirements

- Some secondary school education and on-the-job training
or
A nursing aide or health care aide college or private institutional program, or a college nursing orderly program and supervised practical training are required.
- Some health care facilities may also require completion of specialized courses such as CPR (cardiopulmonary resuscitation), first aid and food handling/sterile processing.
- An appropriate class of driver's licence may be required for medical attendants.

3414 Other assisting occupations in support of health services

This unit group includes workers who provide services and assistance to health care professionals and other health care staff. They are employed in hospitals, medical clinics, offices of health care professionals, nursing homes, optical retail stores and laboratories, pharmacies and medical pathology laboratories.

Illustrative example(s)

- autopsy assistant
- blood donor clinic assistant
- cast room technician

-
- chiropractic assistant
 - clinical laboratory helper
 - lens grinder, ophthalmic
 - morgue attendant
 - ophthalmic laboratory technician - retail
 - optical laboratory assistant
 - optometrist assistant
 - orthopedic technologist
 - rehabilitation assistant
 - sterile processing technician
 - therapist assistant - medical

Exclusion(s)

- Medical technologists and technicians (see 321 Medical technologists and technicians (except dental health))
- Operating room technicians (see 3233 Licensed practical nurses)
- Other technical occupations in therapy and assessment (3237)
- Pathologists' assistants (see 3212 Medical laboratory technicians and pathologists' assistants)
- Pharmacy clerks (see 6421 Retail salespersons)
- Pharmacy technicians (see 3219 Other medical technologists and technicians (except dental health))

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Orthopedic technologists assist orthopedic surgeons in the treatment of orthopedic diseases and injuries by applying and adjusting casts, splints, bandages and other orthopedic devices; assisting in the application, maintenance and adjustment of traction equipment; cleaning and dressing wounds; and removing casts, sutures, staples and pins. They also instruct patients and their families and other health care professionals with respect to orthopedic matters.
- Rehabilitation assistants prepare and maintain equipment and supplies; assist in activities for the rehabilitation of patients as directed by health care professionals and may perform routine office functions.
- Optical/ophthalmic laboratory technicians and assistants operate laboratory equipment to grind, cut, polish and edge lenses for eyeglasses according to prescriptions received and fit lenses into frames; make minor repairs for customers such as replacing frame screws or straightening frames; and maintain and repair optical laboratory equipment or machinery.
- Pharmacy aides help pharmacists and other pharmacy staff with packaging and labelling of pharmaceutical products and may help in maintaining prescription records and inventories of medications and pharmaceutical products.
- Sterile processing technicians operate and maintain sterilization equipment such as instrument washers, sonic sinks, cart washers and steam autoclaves to clean and disinfect trays, carts, linens, supplies, instrumentation and equipment for re-use according to standardized safety practices. They reassemble equipment and assemble packs of sterile supplies and instruments for delivery to hospital departments.
- Blood donor clinic assistants set up and dismantle equipment; prepare and maintain cleanliness of collection areas; maintain supplies; record information on donors; monitor donors throughout procedure and assist with post-donation care and donor reaction care as assigned under supervision of a registered nurse; and label and process donated blood.
- Morgue attendants assist pathologists at autopsies by laying out surgical instruments; preparing solutions for preservation of specimens; transferring bodies from morgue to examining table; removing organs and tissue specimens, as instructed by attending pathologist, and placing them in preservative solutions; and cleaning and sewing up bodies for release to funeral home.

Employment requirements

- Orthopedic technologists usually require completion of secondary school and
Several months of on-the-job training
or
A college orthopedic technologist program.

- Registration with the Canadian Society of Orthopaedic Technologists is available and may be required by employers.
- Health care courses or short-term college programs related to the work of medical therapy assistants, such as recreational therapy programs, are available and may be required by employers.
- Pharmacy aides require completion of secondary school and
Several months of on-the-job training.
- Sterile processing technicians require completion of secondary school and
A six- to nine-month sterile processing college program.
- Completion of secondary school and several months of on-the-job training are usually required for other assisting occupations in this unit group.

4 Occupations in education, law and social, community and government services

40 Professional occupations in education services

401 University professors and post-secondary assistants

4011 University professors and lecturers

University professors and lecturers teach courses to undergraduate and graduate students and conduct research at universities. University professors who are heads of departments are included in this unit group.

Illustrative example(s)

- assistant professor, botany - university
- associate professor, linguistics
- chairperson, food sciences department - university
- chairperson, physics department - university
- computer science professor - university
- department head, geography - university
- English professor - university
- French language professor - university
- lecturer - university
- professor of medicine - university
- university instructor, engineering
- university professor

Exclusion(s)

- College and other vocational instructors (4021)
- Other instructors (4216)
- Post-secondary teaching and research assistants (4012)

Main duties

University professors and lecturers perform some or all of the following duties:

- Teach one or more university subjects to undergraduate and graduate students
- Prepare and deliver lectures to students and conduct laboratory sessions or discussion groups
- Prepare, administer and grade examinations, laboratory assignments and reports
- Advise students on course and academic matters and career decisions
- Direct research programs of graduate students and advise on research matters
- Conduct research in field of specialization and publish findings in scholarly journals or books
- May serve on faculty committees dealing with such matters as curriculum planning and degree requirements, and perform a variety of administrative duties
- May represent their universities as speakers and guest lecturers
- May provide professional consultative services to government, industry and private individuals.

University professors and lecturers specialize in a particular subject matter such as biology, chemistry, anatomy, sociology, business administration or law.

Employment requirements

- A doctoral degree in the field of specialization is required for university professors.
- A master's degree in the field of specialization is required for university lecturers.
- Licences or professional certification may be required for professors teaching future practitioners in certain professionally regulated fields, such as medicine, engineering, architecture, psychology or law.

Additional information

- University professors who are also practitioners in their field of specialization must have the appropriate licences or certification.
- Progression to senior positions within a department, faculty or university is possible with experience.

4012 Post-secondary teaching and research assistants

Post-secondary teaching and research assistants assist university professors, community college and CEGEP teachers and other faculty members in teaching and research activities at universities and colleges.

Illustrative example(s)

- college laboratory assistant
- college teaching assistant
- graduate assistant - university
- post-secondary research assistant
- research assistant, university

Exclusion(s)

- Elementary and secondary school teacher assistants (4413)
- Other instructors (4216)

Main duties

Post-secondary teaching assistants perform some or all of the following duties:

- Organize reference materials, visual aids and other materials as required by university professors or college teachers for lectures
- Conduct seminars, discussion groups and laboratory sessions to supplement lectures
- Assist in the preparation and administration of examinations
- Grade examinations, term papers and laboratory reports.

Research assistants perform some or all of the following duties:

- Conduct literature reviews, surveys, laboratory experiments and other research for use in scholarly publications
- Compile research results and assist professors in the analysis of results and the preparation of journal articles or papers.

Post-secondary teaching and research assistants specialize in a subject matter based on their field of study.

Employment requirements

- Enrolment in a university or college program is required.

402 College and other vocational instructors

4021 College and other vocational instructors

This unit group includes instructors who teach applied arts, academic, technical and vocational subjects to students at community colleges, CEGEPs, agricultural colleges, technical and vocational institutes, language schools and other college level schools. This unit group also includes trainers who are employed by private training establishments, companies, community agencies and governments to deliver internal training or development courses. College teachers who are heads of departments are included in this group.

Illustrative example(s)

- CEGEP teacher
- college teacher
- commercial art instructor
- community college teacher
- company trainer
- computer training instructor
- department chairperson - college
- department head - CEGEP
- firefighting instructor
- instructor - technology institute
- language school instructor
- lecturer - college
- teacher - institute of technology
- teacher, legal assistant program
- training officer - company
- vocational institute teacher

Exclusion(s)

- Administrators - post-secondary education and vocational training (0421)
- Instructors teaching non-academic or non-vocational courses (see 4216 Other instructors)
- Secondary school teachers (4031)
- University professors and lecturers (4011)

Main duties

College and other vocational instructors perform some or all of the following duties:

- Teach students using a systematic plan of lectures, demonstrations, discussion groups, laboratory work, shop sessions, seminars, case studies, field assignments and independent or group projects
- Develop curriculum and prepare teaching materials and outlines for courses
- Prepare, administer and mark tests and papers to evaluate students' progress
- Advise students on program curricula and career decisions
- Provide individualized tutorial or remedial instruction to students who require it
- Supervise independent or group projects, field placements, laboratory work or hands-on training
- Supervise teaching assistants
- May provide consultation services to government, business and other organizations
- May serve on committees concerned with matters such as budgets, curriculum revision, and course and diploma requirements.

These instructors specialize in particular fields or areas of study such as visual arts, dental hygiene, welding, engineering technology, policing, computer software, management and early childhood education.

Employment requirements

- A bachelor's degree, a college diploma or demonstrated expertise in the field of instruction is required.
- A master's degree in the field of instruction may be required.
- A certificate, diploma or degree in adult education may be required.
- For instructors of trades, completion of apprenticeship training and industry or trade certification are required. Additional courses in teaching or a provincial teaching certificate may be required.

Additional information

- In Québec, trades training programs are offered in the secondary school system.
- Progression to administrative positions in post-secondary education is possible with experience.

403 Secondary and elementary school teachers and educational counsellors**4031 Secondary school teachers**

Secondary school teachers prepare and teach academic, technical, vocational or specialized subjects at public and private secondary schools. Secondary school teachers who are heads of departments are included in this group.

Illustrative example(s)

- adult education teacher, secondary school
- biology teacher, high school
- commerce teacher - secondary school
- department head, secondary school
- English as a second language teacher, high school
- English teacher, secondary school
- French as a second language teacher, high school
- high school teacher, special education
- history teacher, secondary school
- remedial teacher - secondary school
- secondary school teacher
- supply teacher, high school
- teacher-librarian, high school
- trades instructor - secondary school
- vocational teacher, high school

Exclusion(s)

- College and other vocational instructors (4021)
- Educational counsellors (4033)
- Elementary and secondary school teacher assistants (4413)
- Elementary school and kindergarten teachers (4032)
- Junior high school teachers (see 4032 Elementary school and kindergarten teachers)
- Psychoeducators (see 4153 Family, marriage and other related counsellors)
- School principals and administrators of elementary and secondary education (0422)
- Secondary school librarians (see 5211 Library and public archive technicians)
- Teachers of non-academic courses (see 4216 Other instructors)
- Teachers teaching life skills courses to persons with disabilities (see 4215 Instructors of persons with disabilities)

Main duties

Secondary school teachers perform some or all of the following duties:

- Prepare subject material for presentation to students according to an approved curriculum
- Teach students using a systematic plan of lectures, discussions, audio-visual presentations, and laboratory, shop and field studies
- Assign and correct homework
- Prepare, administer and correct tests
- Evaluate progress, determine individual needs of students and discuss results with parents and school officials
- Prepare and implement remedial programs for students requiring extra help
- Participate in staff meetings, educational conferences and teacher training workshops
- May teach and evaluate students through distance or online courses
- May advise students on course selection and on vocational and personal matters
- May supervise student teachers.

Secondary school teachers may specialize in such areas as mathematics, English, French, special education or second language instruction. Secondary school teachers of vocational and trades subjects may specialize in areas such as hairdressing or auto mechanics.

Employment requirements

- Teachers of academic subjects require a bachelor's degree in education which is often preceded by a bachelor's degree in the arts or sciences.
- Teachers of vocational or technical subjects require a bachelor's degree in education which is usually preceded by specialized training or experience in the subject.
- Instructors of trades in Quebec require completion of an apprenticeship training program and industry or trade certification.
- Department heads usually require several years of teaching experience.
- To specialize in special education or English or French as a second language, additional training is required.
- A provincial teaching certificate is required.
- Membership in a provincial or territorial teachers' association or federation may be required.

Additional information

- Progression to vice-principal or other administrative positions in the education system is possible with experience.

4032 Elementary school and kindergarten teachers

Elementary school and kindergarten teachers teach basic subjects such as reading, writing and arithmetic or specialized subjects such as English or French as a second language at public and private elementary schools.

Illustrative example(s)

- elementary school teacher, English as a second language
- elementary school teacher, French as a second language
- French immersion teacher - elementary school
- kindergarten teacher
- primary school teacher
- remedial teacher - elementary school
- special education teacher - elementary school
- special education teacher - primary school
- supply teacher - elementary school
- teacher-librarian, elementary school

Exclusion(s)

- Early childhood educators and assistants (4214)
- Elementary and secondary school teacher assistants (4413)
- Elementary school librarians (see 5211 Library and public archive technicians)
- Psychoeducators (see 4153 Family, marriage and other related counsellors)
- School principals and administrators of elementary and secondary education (0422)
- Secondary school teachers (4031)
- Teachers of persons with developmental disabilities (see 4215 Instructors of persons with disabilities)

Main duties

Elementary school and kindergarten teachers perform some or all of the following duties:

- Prepare courses for presentation to students according to approved curriculum
- Teach students using a systematic plan of lessons, discussions, audio-visual presentations and field trips
- Lead students in activities to promote their physical, mental and social development and their school readiness
- Assign and correct homework
- Prepare, administer and correct tests
- Evaluate the progress of students and discuss results with students, parents and school officials

- Identify children's individual learning needs
- Prepare and implement remedial programs for students requiring extra help
- Participate in staff meetings, educational conferences and teacher training workshops
- May supervise teachers' aides and student teachers.

Elementary school and kindergarten teachers may specialize in such areas as special education or second language instruction.

Employment requirements

- A bachelor's degree in education is required.
- A bachelor's degree in child development may be required.
- Additional training is required to specialize in special education or second language instruction.
- A provincial teaching certificate is required. Additional certification is required to teach English or French as a second language.
- Membership in a provincial or territorial teachers' association or federation is usually required.

Additional information

- Progression to education consultant or school principal is possible with experience.

4033 Educational counsellors

Educational counsellors advise current and prospective students on educational issues, career planning and personal development, and co-ordinate the provision of counselling services to students, parents, teachers, faculty and staff. They are employed by school boards and post-secondary educational institutions.

Illustrative example(s)

- academic counsellor
- career counsellor - education
- school counsellor
- student services counsellor

Exclusion(s)

- Employment counsellors (4156)
- Family, marriage and other related counsellors (4153)
- School psychologists (see 4151 Psychologists)
- Secondary school teachers (4031)
- Social workers (4152)

Main duties

Educational counsellors perform some or all of the following duties:

- Counsel students regarding educational issues such as course and program selection, time tables and scheduling, school adjustment, attendance problems and study skills
- Counsel students regarding career or vocational issues including career exploration and planning, résumé preparation, job interview skills and job search strategies and make available to them a wide range of educational and occupational information
- Co-ordinate co-op and school-to-work transition programs, and the provision of counselling and information services, such as career information, professional development sessions and exchanges with other educational institutions, to students, parents, teachers, faculty and staff
- Consult with teachers and parents or faculty and other professionals such as psychologists, speech therapists and social workers regarding various issues and concerns, and with administrators and community agencies regarding programs and referrals
- Administer and interpret standardized intelligence, personality, vocational, aptitude and interest tests
- Develop and co-ordinate study skills groups or workshops in high schools, colleges and universities on topics such as note-taking, test or examination anxiety and preparation strategies and time management skills
- Visit colleges and secondary schools to provide academic information to prospective students, their parents and educational counsellors

-
- Co-ordinate or participate in student orientation programs in colleges or universities
 - Arrange for employers to recruit graduating college and university students, and students for co-op education work terms
 - Counsel students regarding personal and social issues such as substance abuse, depression, sexuality, eating disorders, anxiety, self-esteem, family problems, relationship and interpersonal skills and anger management
 - Counsel students in crisis situations such as dealing with the death of a friend or family member, suicidal tendencies and abuse situations
 - May supervise peer counselling programs in school settings
 - May supervise field experience for graduate students in counselling
 - May teach regular classes.

Employment requirements

- A bachelor's degree in counselling, career development, education or social sciences is required for counsellors in school settings.
- A master's degree in counselling psychology or a related field such as educational psychology, developmental psychology or social work is usually required.
- Educational counsellors in post-secondary settings require an undergraduate degree and may require a graduate degree. A particular academic specialization may also be required.
- In Quebec, membership in L'Ordre des conseillers et conseillères d'orientation et des psychoéducateurs et psychoéducatrices du Québec is mandatory to use the title "counsellor".
- A teacher's certificate in the province of employment and some teaching experience is usually required for counsellors in school settings.
- Educational counsellors in colleges and universities may require licensing from a provincial regulatory body governing psychologists, educational counsellors or social workers.

Additional information

- Elementary school counsellors generally provide more social and personal counselling whereas academic counselling is provided more by high school counsellors.
- Educational counsellors in colleges, universities and other settings may specialize in academic, career or personal issues counselling.

41 Professional occupations in law and social, community and government services

411 Judges, lawyers and Quebec notaries

4111 Judges

Judges adjudicate civil and criminal cases and administer justice in courts of law. Judges preside over federal and provincial courts.

Illustrative example(s)

- chief justice
- county court judge
- Court of Queen's Bench justice
- district court judge
- family court judge
- federal trial court justice
- provincial court of appeal justice
- small claims court judge
- superior court justice
- Supreme Court justice

Exclusion(s)

- Administrative tribunal judges (see 0411 Government managers - health and social policy development and program administration)

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- Citizenship court judges (see 1227 Court officers and justices of the peace)
 - Justices of the Peace (see 1227 Court officers and justices of the peace)

Main duties

Judges perform some or all of the following duties:

- Preside over courts of law, interpret and enforce rules of procedure and make rulings regarding the admissibility of evidence
- Instruct the jury on laws that are applicable to the case
- Weigh and consider evidence in non-jury trials and decide legal guilt or innocence or degree of liability of the accused or defendant
- Pass sentence on persons convicted in criminal cases and determine damages or other appropriate remedy in civil cases
- Grant divorces and divide assets between spouses
- Determine custody of children between contesting parents and other guardians
- Enforce court orders for access or support
- Supervise other judges and court officers.

Judges may specialize in particular areas of law such as civil, criminal or family law.

Employment requirements

- Extensive experience as a lawyer or as a professor of law with continuous membership in the bar association is usually required.
- Membership in good standing with a provincial or territorial law society or bar association is required.
- Judges are appointed by federal or provincial cabinets.
- Those appointed to more senior positions in a court, such as chief justice, usually have experience as judges in that court.

4112 Lawyers and Quebec notaries

Lawyers and Quebec notaries advise clients on legal matters, represent clients before administration boards and draw up legal documents such as contracts and wills. Lawyers also plead cases, represent clients before tribunals and conduct prosecutions in courts of law. Lawyers are employed in law firms and prosecutor's offices. Quebec notaries are employed in notary offices. Both lawyers and Quebec notaries are employed by federal, provincial and municipal governments and various business establishments or they may be self-employed. Articling students are included in this group.

Illustrative example(s)

- articling law student
- corporate counsel
- Crown attorney
- law partner
- lawyer
- legal advisor
- legislative counsel
- notary (Quebec)
- prosecutor
- solicitor

Exclusion(s)

- Legal department directors (see 0114 Other administrative services managers)
- Legal firm managers (see 0125 Other business services managers)
- Notaries public and trademark agents who are not lawyers (see 4211 Paralegal and related occupations)
- Patent agents who are not lawyers or Quebec notaries (see 4161 Natural and applied science policy researchers, consultants and program officers)

Main duties

Lawyers and Quebec notaries perform some or all of the following duties:

- Advise clients of their legal rights and all matters related to law
- Research legal precedents and gather evidence
- Plead clients' cases before courts of law, tribunals and boards (lawyers only)
- Draw up legal documents such as real estate transactions, wills, divorces and contracts, and prepare statements of legal opinions
- Negotiate settlements of civil disputes (lawyers only)
- Perform administrative and management functions related to the practice of law
- May act as mediator, conciliator or arbitrator
- May act as executor, trustee or guardian in estate and family law matters.

Lawyers and Quebec notaries may specialize in specific areas of the law such as criminal law (lawyers only), corporate law, contract law, taxation law, administrative law, international law, commercial law, real estate law, family and estate law, intellectual property law and labour law.

*Employment requirements***Lawyers**

- Two to three years of undergraduate studies or, in Quebec, completion of a college program and
A bachelor's degree from a recognized law school
and
Successful completion of the bar examination and completion of a period of articling are required.
- Licensing by the provincial or territorial law society is required.

Notaries (Quebec)

- A bachelor's degree from a recognized law school and a Diploma of Notarial Law (D.D.N.)
or
A master's degree of law with specialization in notarial law
and
A 32-week vocational training program are required.
- Registration with the Corporation of Notaries is required.

Additional information

- Lawyers wishing to practise in another province or territory may be required to pass examinations set by the provincial or territorial law society.

415 Social and community service professionals**4151 Psychologists**

Psychologists assess and diagnose behavioural, emotional and cognitive disorders, counsel clients, provide therapy, conduct research and apply theory relating to behaviour and mental processes. Psychologists help clients work toward the maintenance and enhancement of psychological, physical, intellectual, emotional, social and interpersonal functioning. Psychologists work in private practice or in clinics, correctional facilities, hospitals, mental health facilities, rehabilitation centres, community service organizations, businesses, schools and universities, and in government and private research agencies.

Illustrative example(s)

- clinical psychologist
- experimental psychologist
- psychological associate
- psychologist
- research psychologist

Exclusion(s)

- Family, marriage and other related counsellors (4153)

- Psychiatrists (see 3111 Specialist physicians)
- Psychologists who teach at universities (see 4011 University professors and lecturers)
- Psychology research assistants, non-university (see 4164 Social policy researchers, consultants and program officers)
- Psychology research assistants, university (see 4012 Post-secondary teaching and research assistants)
- Psychometrists (see 4169 Other professional occupations in social science, n.e.c.)

Main duties

Psychologists perform some or all of the following duties:

- Examine and assess behaviour, diagnose behavioural, emotional and cognitive disorders, counsel clients and provide therapy
- Help clients manage physical illness and disorders
- Counsel individuals and groups to achieve more effective personal, social and vocational development and adjustment, and offer mediation services
- Use standard psychological tests for assessment
- Plan intervention programs and conduct program evaluation
- Apply psychological theory and principles regarding behaviour and mental processes such as learning, language development, memory and perception to develop treatment programs
- Formulate hypotheses and experimental designs, review literature, conduct studies and publish research papers, educational texts and articles
- Deliver presentations at conferences, workshops or symposia
- Provide consultation services to government and other organizations.

Psychologists may specialize in applied psychology or experimental research. Sub-specialties include behavioural psychology, child psychology, cognitive psychology, developmental psychology, educational psychology, industrial psychology, neuropsychology, social psychology or sports psychology.

Employment requirements

- A doctoral degree in psychology is required in order to use the designation "Psychologist" in Quebec, Ontario, Manitoba and British Columbia.
- A master's degree in psychology is required for the designation "Psychologist" in Newfoundland and Labrador, Nova Scotia, New Brunswick, Saskatchewan, Alberta and the Northwest Territories.
- A master's degree in psychology is required in order to use the designation "Psychological Associate" in Ontario and Manitoba.
- In Prince Edward Island, a doctoral degree is required to work in private practice, or a master's degree with practice limited to institutions and agencies.
- A period of supervised practical experience is required in most jurisdictions.
- Successful completion of the written Examination for Professional Practice in Psychology (EPPP) is required in most provinces.
- Oral examinations and board interviews are required in some provinces.
- Registration with a regulatory body is required in all provinces, Nunavut and the Northwest Territories.
- Membership in the provincial professional association for psychologists is mandatory in all provinces, Nunavut and the Northwest Territories.
- Psychologists can become specialized in a particular area through training and experience.

Additional information

- Psychological associates may be granted permission by provincial regulatory authorities to perform duties normally restricted to psychologists, specifically diagnosing psychological disorders and communicating diagnoses to clients.

4152 Social workers

Social workers help individuals, couples, families, groups, communities and organizations develop the skills and resources they need to enhance social functioning and provide counselling, therapy and referral to other supportive social services. Social workers also respond to other social needs and issues such as unemployment, racism and

poverty. They are employed by hospitals, school boards, social service agencies, child welfare organizations, correctional facilities, community agencies, employee assistance programs and Aboriginal band councils, or they may work in private practice.

Illustrative example(s)

- co-ordinator of social work
- medical social worker
- psychiatric social worker
- social work supervisor
- social worker

Exclusion(s)

- Educational counsellors (4033)
- Family, marriage and other related counsellors (4153)
- Managers in social, community and correctional services (0423)
- Social and community service workers (4212)

Main duties

Social workers perform some or all of the following duties:

- Interview clients individually, in families, or in groups, to assess their situation and problems and determine the types of services required
- Provide counsel and therapy to assist clients in developing skills to deal with and resolve their social and personal problems
- Plan programs of assistance for clients including referral to agencies that provide financial assistance, legal aid, housing, medical treatment and other services
- Investigate cases of child abuse or neglect and take authorized protective action when necessary
- Serve as members on interdisciplinary teams of professionals working with client groups
- Act as advocates for client groups in the community, lobby for solutions to problems directly affecting client groups and develop prevention and intervention programs to meet community needs
- Develop or advise on social policy legislation, conduct social research and assist in community development
- Provide mediation services and psychosocial assessments
- Evaluate the effectiveness of counselling and social programs
- May provide public education and consultation to professionals or groups regarding counselling services, issues and methods
- May supervise other social workers.

Social workers may specialize in fields of practice such as child welfare, family services, corrections, gerontology or addictions.

Employment requirements

- A bachelor's degree in social work is required in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, British Columbia, the Northwest Territories and Nunavut.
- In Alberta, a bachelor's degree or diploma in social work is required.
- Supervised practical experience is usually required.
- Successful completion of provincial written and oral examinations may be required.
- Registration with a provincial governing body is mandatory to practise as a social worker in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario and Alberta.
- Use of the titles "Social Worker" and "Registered Social Worker" is regulated in all provinces.
- Membership in a provincial association of social workers is usually required.

4153 Family, marriage and other related counsellors

Family, marriage and other related counsellors assist individuals and groups of clients to identify, understand and overcome personal problems and achieve personal objectives. They are employed by counselling centres, social service agencies, group homes, government agencies, family therapy centres, and health care and rehabilitation facilities, or they may work in private practice.

Illustrative example(s)

- addictions counsellor
- bereavement counsellor
- child and youth counsellor
- family counsellor
- marriage counsellor
- psychoeducator
- registered clinical counsellor
- registered marriage and family therapist
- rehabilitation counsellor
- sex therapist
- vocational rehabilitation counsellor

Exclusion(s)

- Educational counsellors (4033)
- Employment counsellors (4156)
- Managers in social, community and correctional services (0423)
- Social and community service workers (4212)
- Social workers (4152)

Main duties

Family, marriage and other related counsellors perform some or all of the following duties:

- Interview clients, prepare case histories and assess problems
- Conduct vocational testing and psychometric assessment
- Develop and implement counselling and intervention programs to assist clients in determining goals and means of attaining them
- Counsel clients, provide therapy and mediation services, and facilitate group sessions
- Liaise with community agencies or partners, and identify additional or alternative services and provide referrals
- Evaluate the effectiveness of counselling programs and interventions, and clients' progress in resolving identified problems and movement toward defined objectives
- Follow up on results of counselling programs and clients' adjustments
- Prepare assessment, progress, follow-up and court reports
- May supervise other counsellors, social service staff and assistants
- May provide public education and consultation to other professionals or groups regarding counselling services, issues and methods
- May provide witness testimony in court proceedings
- May conduct research, publish research papers, educational texts and articles and deliver presentations at conferences.
- May participate in fundraising activities.

Family, marriage and other related counsellors often specialize in dealing with a specific client group such as injured workers, or with specific problems, such as drug and alcohol addiction, marital difficulties or behavioural disorders.

Employment requirements

- A master's degree in the field of counselling, mental health or a related social service discipline is usually required.
- In Quebec, a master's degree in psychoeducation is required to practise as a psycho-educator.

- An undergraduate degree or college diploma in a social science is required for certain areas of counselling.
- Membership with a provincial association for marriage and family therapists or clinical counsellors is required to use the title "Registered Marriage and Family Therapist" or "Registered Clinical Counsellor", and in Quebec, to use the title "marriage and family therapist (MFT)", "family therapist (FT)" or "marriage therapist (MT)". Membership with a provincial association may be required by some employers.
- In Quebec, membership in the professional association is mandatory for counsellors and psychoeducators.
- Registered marriage and family therapists and registered clinical counsellors must meet strict criteria involving post-graduate education and a period of supervised clinical work with clients.

Additional information

- Counsellors usually become specialized in a particular area through training and experience.
- Progression to social service management positions is possible with additional training and experience.

4154 Professional occupations in religion

Ministers of religion conduct religious services, administer the rites of a religious faith or denomination, provide spiritual and moral guidance and perform other functions associated with the practice of a religion. Ministers of religion perform these duties in churches, synagogues, temples or other places of worship. They may also work in other institutions such as schools, hospitals and prisons.

Illustrative example(s)

- archbishop
- bishop
- cardinal
- chaplain
- evangelist
- granthi
- imam
- minister
- moderator - religion
- pastor
- priest
- rabbi

Exclusion(s)

- Other religious occupations (4217)

Main duties

Ministers of religion perform some or all of the following duties:

- Conduct regular religious services
- Administer rites of faiths such as marriages and funerals
- Pray and promote spirituality by delivering sermons and other talks
- Provide spiritual and moral guidance to members of a religious faith
- Supervise, plan and administer programs of religious education
- May participate in humanitarian endeavours, social services and welfare activities
- May share in the administrative and financial operation of a religious community
- May provide consultation services to government and other organizations.

Employment requirements

- Educational requirements vary, depending on the religion, and range from the completion of a college or other program in religious studies to a master's of divinity degree.
- A period of study with a senior minister is usually required.

Additional information

- Progression to senior positions included in this unit group, within a religious order, is possible with experience.

4155 Probation and parole officers and related occupations

Probation officers monitor the conduct and behaviour of criminal offenders serving probation terms. Parole officers monitor the reintegration of criminal offenders serving the remainder of sentences while conditionally released into the community on parole. Classification officers assess inmates and develop rehabilitation programs for criminal offenders who are incarcerated in correctional facilities. They are employed by federal and provincial governments and work in the community and in correctional facilities.

Illustrative example(s)

- case manager - corrections
- classification officer, correctional institution
- parole officer
- probation officer
- youth worker - corrections

Exclusion(s)

- Correctional service officers (4422)
- Correctional services managers (see 0423 Managers in social, community and correctional services)
- Social and community service workers (4212)
- Social workers (4152)

Main duties

Probation and parole officers perform some or all of the following duties:

- Interview offenders, police, family, friends, school authorities and employers to prepare pre-sentence reports and assess offenders' prospects for successful reintegration into the community
- Plan rehabilitation programs with offenders, establishing rules of conduct, goals and objectives
- Refer offenders to community and social service programs, as required
- Supervise the terms of a probation order and attend court
- Interview probationers and parolees regularly to evaluate their progress in accomplishing goals and maintaining the terms specified in their probation contracts and rehabilitation plans
- Recommend remedial action or initiate court action when terms of probation or parole are violated
- May perform administrative duties and supervise support staff
- May participate in policy development.

Classification officers, correctional institutions, perform some or all of the following duties:

- Interview inmates to assess adjustment problems and develop suitable rehabilitation programs
- Prepare classification reports recommending type of incarceration and types of interventions considered most beneficial for the rehabilitation of the inmates
- Plan rehabilitation programs with offenders, identifying needs and setting out goals and objectives
- Liaise with the inmates' families and contacts in the community to maintain established bonds outside of the institution
- Advise and counsel inmates regarding their problems and evaluate their progress.

Employment requirements

- A bachelor's degree in social work, criminology, psychology, sociology or other related social science discipline is required.
- A master's degree in social work, criminology, psychology or other related social science discipline may be required.

Additional information

- Progression to correctional service management positions is possible with additional training or experience.

4156 Employment counsellors

Employment counsellors provide assistance and information to job seeker clients on all aspects of employment search and career planning. They also provide advice and information to employer clients regarding employment issues and human resources. Employment counsellors are employed by human resource departments of establishments, employment service organizations, consulting firms, correctional facilities and by federal and provincial governments. Supervisors of employment counsellors are included in this unit group.

Illustrative example(s)

- career counsellor - except education
- career development counsellor
- employment counsellor
- outplacement counsellor
- relocation consultant
- relocation counsellor

Exclusion(s)

- Educational counsellors (4033)
- Employment insurance officers (see 1228 Employment insurance, immigration, border services and revenue officers)
- Human resources and recruitment officers (1223)
- Job coaches for persons with disabilities (see 4215 Instructors of persons with disabilities)
- Vocational rehabilitation counsellors (see 4153 Family, marriage and other related counsellors)

Main duties

Employment counsellors perform some or all of the following duties:

- Interview clients to obtain employment history, educational background and career goals
- Identify barriers to employment and assist clients with such matters as job readiness skills, job search strategies, writing résumés and preparing for job interviews
- Assess need for assistance such as rehabilitation, financial aid or further training and refer clients to the appropriate services
- Provide established workers with information and strategies for maintaining a job or moving within an organization, dealing with job dissatisfaction, making mid-career changes and adjusting to workplace transitions
- Collect labour market information for clients regarding job openings, entry and skill requirements and other occupational information
- Advise employers on human resource and other employment-related issues
- Provide consulting services to community groups and agencies, businesses, industry and other organizations involved in providing community-based career planning support or resources
- May administer and interpret tests designed to determine the interests, aptitudes and abilities of clients.

Employment requirements

- A bachelor's degree or college diploma in employment counselling, career development or in a related field, such as human resources development, psychology, education or social services is required.
- A master's degree in counselling psychology or a related field such as educational psychology, developmental psychology or social work may be required.
- In Quebec, membership in a professional association is mandatory to use the title "counsellor".

Additional information

- Mobility to positions in personnel or training is possible.
- Progression to supervisory positions is possible through experience.

416 Policy and program researchers, consultants and officers

4161 Natural and applied science policy researchers, consultants and program officers

Natural and applied science policy researchers, consultants and program officers conduct research, prepare reports, provide consultation and advice and administer programs in a variety of areas related to the natural and applied sciences. They are employed by federal, provincial and municipal governments, computer and office furniture manufacturers, educational institutions, research organizations, consulting firms, environmental and conservation organizations, or they may be self-employed.

Illustrative example(s)

- certified ergonomist
- emergency management analyst
- emergency preparedness planner
- energy policy analyst
- environmental impact analyst
- environmental issues lobbyist
- ergonomics specialist
- fisheries analyst
- industrial hygienist
- natural resources policy analyst
- occupational hygienist
- patent agent
- program officer, natural and applied sciences
- recycling program co-ordinator
- scientific consultant
- supervisor, environmental program development
- technology transfer officer
- transportation safety analyst

Exclusion(s)

- Architecture and science managers (0212)
- Health policy researchers, consultants and program officers (4165)
- Life science professionals (212)
- Other engineers (214)
- Patent lawyers (see 4112 Lawyers and Quebec notaries)
- Physical science professionals (211)
- Professional occupations in engineering (see 213 Civil, mechanical, electrical and chemical engineers)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Ergonomists or human factors specialists conduct research and advise on, and intervene in the physical, social and psychological interrelationships between persons, their equipment and working or living environments to ensure that the design, configuration and use of equipment, procedures and environmental conditions maximize safety, productivity and comfort.
- Occupational or industrial hygienists study, evaluate and control physical, chemical and biological hazards and stresses in the workplace. They report and document investigations and conclusions, suggest changes to work environments and processes and provide information to workers and managers or employers on methods to reduce the risk of injury or illness from specific occupational hazards. They may also teach safe work procedures, participate in emergency response planning, testify at hearings and report findings at scientific conferences or in scientific journals.
- Patent agents advise clients on elements of patent law and on the patentability of inventions, conduct patent searches, prepare patent applications and represent clients before the patent office.
- Technology transfer officers are responsible for transferring and integrating new technologies, usually from university or government research and development environments, to commercial and industrial applications and ensure the protection of intellectual property of researchers and developers.

- Science policy and program officers conduct research and advise on policies or develop or administer programs related to transportation, emergency preparedness, communications, natural resources, agriculture, the environment, traditional and alternative energy technologies, land use, recycling and other scientific fields. They promote public awareness and education on such issues as utilization of natural resources, the environment, and reprocessing and reduction of waste.

Employment requirements

- A bachelor's degree or college diploma in a related scientific or technical discipline is usually required for occupations in this unit group.
- A master's degree in a related scientific discipline may be required.
- Certification through the Canadian College of Certified Professional Ergonomists is required to use the title "Canadian Certified Professional Ergonomist (CCPE)". Membership with the Association of Canadian Ergonomists may be required.
- Occupational hygienists may require certification by the Canadian Registration Board of Occupational Hygienists or le Conseil d'accréditation en hygiène industrielle du Québec.
- Patent agents require 12 months of work experience in the patent field and successful completion of examinations set by the Commissioner of Patents. They may also be required to be listed in the register of patent agents.
- Occupations in this group that are involved in green building design and technologies development may require the Leadership in Energy and Environmental Design (LEED) certification offered by the Canadian Green Building Council.

Additional information

- Progression to supervisory or managerial positions in these fields is possible with experience.

4162 Economists and economic policy researchers and analysts

Economists and economic policy researchers and analysts conduct research, monitor data, analyze information and prepare reports and plans to resolve economic and business problems and develop models to analyze, explain and forecast economic behaviour and patterns. They advise on matters such as finance, fiscal and monetary policy, international trade, agricultural and natural resource commodities and labour and industrial markets. They are employed by government departments and agencies and throughout the private sector in associations, unions, research organizations, banks and investment firms.

Illustrative example(s)

- agricultural economist
- economic advisor
- economic analyst
- economic policy analyst
- economist
- economist, natural resources
- energy economist
- financial economist
- industrial economist
- international trade economist
- investment economist
- labour economist
- tax economist
- trade economist

Exclusion(s)

- Business development officers and marketing researchers and consultants (4163)
- Economists who teach at universities (see 4011 University professors and lecturers)
- Financial and investment analysts (1112)
- Government managers - economic analysis, policy development and program administration (0412)
- Labour policy analysts (see 4164 Social policy researchers, consultants and program officers)

Main duties

Economists and economic policy researchers and analysts perform some or all of the following duties:

- Conduct research and develop models to analyze, explain and forecast economic behaviour and patterns, and devise methods for collection and analysis of data
- Forecast production and consumption of specific products and services based on records of past production and consumption and general economic and industry-specific conditions
- Prepare forecasts of income and expenditure, interest rates and exchange rates
- Analyze factors which determine economic growth and advise government agencies on policies to increase economic activities
- Analyze factors which determine labour force participation, employment, wages, unemployment and other labour market outcomes
- Study mathematical formulae and statistical techniques and apply them to the testing and quantifying of economic theories and the solution of economic problems
- Study the nature of money, credit and the operation of banks and other financial institutions to develop monetary policies and forecasts of financial activity
- Monitor economic data to assess the effectiveness, and advise on the appropriateness, of monetary and fiscal policies
- Examine problems related to the economic activity of individual companies
- Examine financial methods, production costs and techniques and marketing policies to recommend possible improvements
- Examine statistical data on the exchange of goods and services among nations
- Forecast production and consumption of renewable resources and supply, consumption and depletion of non-renewable resources
- Conduct research on market conditions in local, regional or national area to set sales and pricing levels for goods and services, to assess market potential and future trends and to develop business strategies
- Monitor regional and local economic trends
- Study regulatory processes and provide material in support of legal proceedings with government and other parties.

Employment requirements

- A master's degree in economics or in a related discipline such as business administration or statistics is usually required.
- A doctorate in economics may be required.

Additional information

- Progression to managerial positions in economics is possible with experience.

4163 Business development officers and marketing researchers and consultants

Business development officers and marketing researchers and consultants conduct research, formulate policies and manage programs to stimulate industrial and commercial business investment or tourism in urban and rural areas, or to promote commercial or industrial products and services. They are employed by government departments, international organizations, marketing firms and business associations or may be self-employed.

Illustrative example(s)

- business development officer
- community economic development consultant
- economic development officer
- industrial development officer
- market researcher
- marketing analyst
- marketing consultant - market research
- regional development analyst
- tourism development officer
- tourism industry consultant

Exclusion(s)

- Economic development managers (see 0412 Government managers - economic analysis, policy development and program administration)
- Economists and economic policy researchers and analysts (4162)
- Financial and investment analysts (1112)
- International development or aid officers (see 4164 Social policy researchers, consultants and program officers)
- Marketing managers (see 0124 Advertising, marketing and public relations managers)
- Other financial officers (1114)
- Urban and land use planners (2153)

Main duties

Business development officers and marketing researchers and consultants perform some or all of the following duties:

- Develop policies and administer programs to promote industrial and commercial business investment in urban and rural areas
- Design market research questionnaires
- Conduct social or economic surveys on local, regional or national areas to assess development potential and future trends
- Plan development projects and co-ordinate activities with representatives of a wide variety of industrial and commercial enterprises, community and business associations and government agencies
- Assess business opportunities and develop strategies to attract venture capital
- Respond to enquiries from members of the business community and general public concerning development opportunities
- Review and evaluate commercial or industrial development proposals and provide advice on procedures and requirements for government approval
- Conduct surveys and analyze data on the buying habits and preferences of wholesale or retail consumers
- Evaluate customer service and store environments
- Conduct comparative research on marketing strategies for industrial and commercial products
- Develop social and economic profiles of urban and rural areas to encourage industrial and commercial investment and development.
- Prepare reports, research papers, educational texts or articles
- Plan and develop E-commerce strategies
- Provide consultation on planning and starting of new businesses.

Employment requirements

- A bachelor's degree in economics, commerce, business administration or public administration is required.
- Certification as a certified economic developer (Ec.D.) may be required.

Additional information

- Progression to managerial positions is possible with experience.

4164 Social policy researchers, consultants and program officers

Social policy researchers, consultants and program officers conduct research, develop policy and implement or administer programs in areas such as consumer affairs, employment, home economics, immigration, law enforcement, corrections, human rights, housing, labour, family services, foreign aid and international development. They are employed by government departments and agencies, industry, hospitals, educational institutions, consulting establishments, professional associations, research institutes, non-government organizations and international organizations or they may be self-employed.

Illustrative example(s)

- Aboriginal issues lobbyist
- child welfare policy analyst
- community social development officer
- consumer advisor

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- home economist
 - housing policy analyst
 - human rights officer
 - international aid and development project officer
 - labour policy analyst
 - policy analyst, immigration
 - policy consultant, employment equity
 - program consultant, community policing
 - social policy researcher
 - social services planner
 - social survey researcher (except statistician)

Exclusion(s)

- Business development officers and marketing researchers and consultants (4163)
- Economists and economic policy researchers and analysts (4162)
- Government managers - health and social policy development and program administration (0411)
- Health policy researchers, consultants and program officers (4165)
- Home economics teachers (see 4031 Secondary school teachers)
- Non-government managers in social policy (see 0423 Managers in social, community and correctional services)
- Social and community service workers (4212)
- Social workers (4152)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Social policy researchers develop social programs, social legislation, or proposals based on demographic, social and economic analysis and the evaluation of pilot projects.
- Home economists conduct research, advise consumers on the selection and proper use of food products, textiles and other consumer goods and teach household management skills. They may also provide consultative services in the areas of development and promotion of new food products, retail buying, social program administration and small business endeavours.
- Housing policy analysts identify and assess economic, demographic, and social developments and report on their implications for housing policy.
- International aid and development project officers plan, organize and administer foreign aid and international development policies and programs.
- Social survey researchers develop questionnaires, co-ordinate and conduct surveys, analyse data, and compile and interpret statistics on social issues and policy areas.
- Social services planners conduct research, develop social programs, assess, co-ordinate and develop awareness of existing social services, and ensure that duplication of services is avoided. They may also work with land use planners to determine the impact of major land use plans for transportation, housing and recreational facilities projects.

Employment requirements

- A bachelor's degree or college diploma in a social science or related discipline, or in business administration is usually required.
- A master's degree in a social science or related discipline or in business administration may be required.
- Home economists require a bachelor's degree in home economics, home economics education, human ecology, nutrition and food sciences or family and consumer studies.
- Registration is available, but voluntary, for home economists but the use of the designation "Professional Home Economist" is regulated in New Brunswick, Ontario, Manitoba and Alberta, and "Registered Professional Home Economist" in British Columbia.
- Certified immigration consultants must be registered members of the Canadian Society of Immigration Consultants.

Additional information

- Progression to managerial positions is possible with experience.

4165 Health policy researchers, consultants and program officers

Health policy researchers, consultants and program officers conduct research, produce reports and administer health care policies and programs. They are employed by government departments and agencies, consulting establishments, universities, research institutes, hospitals, community agencies, educational institutions, professional associations, non-governmental organizations and international organizations.

Illustrative example(s)

- consultant, drug and alcohol abuse
- consultant, health care
- consultant, mental health programs
- health care planner
- health promotion program officer
- health services researcher
- planning officer, child health care programs
- policy development officer, nursing homes
- research analyst, health policy

Exclusion(s)

- Education policy researchers, consultants and program officers (4166)
- Government managers - health and social policy development and program administration (0411)
- Managers in health care (0311)
- Social and community service workers (4212)
- Social policy researchers, consultants and program officers (4164)

Main duties

Health policy researchers, consultants and program officers perform some or all of the following duties:

- Assist in developing government health policy by reviewing relevant literature, conducting interviews, collecting and analysing statistical data, and providing advice to senior managers and officials on issues such as health promotion, regulation, standards and financing
- Design and implement health projects or programs
- Maintain, update and manage health information databases
- Compile and analyse statistical information provided by private and public health care institutions and organizations and produce reports
- Monitor and evaluate health care programs operated by government departments and agencies or private organizations
- Assess compliance with health standards and identify remedial action if necessary
- Conduct evaluations and assessments of health projects and programs
- Provide consulting services to clients in private establishments or government departments or agencies
- Respond to internal and external program and policy information requests
- Produce newsletters, magazines and other documents to provide information to association or organization members or the general public
- Present the views of an association or organization to politicians, government officials, the media or the general public.

Health policy researchers, consultants and program officers may specialize in a particular area of health policy development, research or program administration such as addiction research.

Employment requirements

- A bachelor's degree or college diploma in health science, public administration, recreation administration or hospital administration, or a bachelor's degree in social science, is required.
- A graduate degree in health, social science or an administrative discipline may be required.
- Several years of experience in the health field as a health care professional or as a community or social service worker are usually required.

Additional information

- Progression to managerial positions is possible with experience.

4166 Education policy researchers, consultants and program officers

Education policy researchers, consultants and program officers conduct research, produce reports and administer elementary, secondary and post-secondary education policies and programs. They are employed by government departments, school boards, research institutes, professional associations and educational and other organizations throughout the public and private sectors, or they may be self-employed.

Illustrative example(s)

- co-ordinator, special education
- curriculum developer
- curriculum planner
- education consultant
- education outreach program co-ordinator
- education policy officer
- education program co-ordinator
- education program officer
- education researcher
- supervisor, education policy

Exclusion(s)

- College and other vocational instructors (4021)
- Educational counsellors (4033)
- Elementary school and kindergarten teachers (4032)
- Government managers - education policy development and program administration (0413)
- Psychology assistants (except university) (see 4164 Social policy researchers, consultants and program officers)
- Secondary school teachers (4031)

Main duties

Education policy researchers, consultants and program officers perform some or all of the following duties:

- Conduct research, produce reports and administer education policies and programs
- Evaluate curriculum programs and recommend improvements
- Develop the structure, content and objectives of new programs
- Conduct statistical analyses to determine cost and effectiveness of education policies and programs
- Provide ongoing professional development, training and consultative services to teachers and other professionals throughout the public and private sector
- Develop teaching materials and other resources for program delivery
- Deliver presentations at conferences, workshops and symposia
- May supervise the work of other education policy researchers, consultants or program officers
- May administer specialized testing and assessment programs.

Employment requirements

- A bachelor's degree in education or in a discipline such as social science or business administration is required.
- A master's degree in education may be required.
- Specialized training or certification may be required.
- Several years of experience as a school teacher are usually required.
- A teacher's certificate for the province of employment is usually required when employed by provincial education ministries.

Additional information

- Progression to managerial positions is possible with experience.

4167 Recreation, sports and fitness policy researchers, consultants and program officers

This unit group includes those who oversee and administer recreation, sports and fitness programs and activities, provide consulting services, conduct research and develop programs and policies related to recreation, sports and physical fitness. They are employed by federal, provincial and municipal governments, recreation, sports, fitness and health care facilities, retirement homes, community centres, sports and fitness consulting firms and organizations, or they may be self-employed.

Illustrative example(s)

- fitness consultant
- fitness policy analyst
- recreation consultant
- recreologist
- sports analyst
- sports and recreation consultant
- sports consultant
- sports policy analyst
- sports program supervisor

Exclusion(s)

- Program leaders and instructors in recreation, sport and fitness (5254)
- Recreation, sports and fitness program and service directors (0513)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Recreation, sports and fitness policy analysts conduct research and develop government policies related to recreation, sports, fitness and athletic safety and standards.
- Sports program consultants provide expert advice and consulting services to sports associations and other organizations in the design, development and administration of sports programs and activities.
- Fitness program consultants provide expert advice and consulting services to community groups, corporations, schools and other organizations in the design and development of fitness programs and activities. They may write proposals and press statements for corporations, industry and the fitness community.
- Recreation program consultants provide expert advice and consulting services to communities, corporations, institutions and other organizations in the design and development of recreation programs and activities.
- Recreation, sports and fitness program supervisors develop, plan and co-ordinate sports, fitness and recreation programs, and special sporting events.

Employment requirements

- A university degree in recreation administration, sports administration, physical education, kinesiology or related discipline combined with some work experience in a related field
or
A college diploma in a recreation, sports or fitness program combined with some experience in a related field is required.
- Recreation, sports and fitness program supervisors require experience as program leaders or instructors in recreation, sports and fitness. Certification in program specialization, such as fitness or lifesaving, may also be required.

Additional information

- Mobility among recreation, sports and fitness consultants may be restricted within individual area of expertise.
- Recreation, sports and fitness program supervisors may progress to recreation, sports and fitness management positions with experience.

4168 Program officers unique to government

Program officers in this unit group are primarily concerned with the administration and operation of government institutions, such as Parliament, and activities unique to the operations of government, such as international relations, federal-provincial affairs, elections and tribunals.

Illustrative example(s)

- attaché
- elections officer
- federal-provincial relations officer
- foreign service officer
- intergovernmental affairs officer
- officer, office of the Speaker
- officer, royal commission
- officer, standing or select committee
- protocol officer
- returning officer
- tribunal officer

Exclusion(s)

- Administrative officers (1221)
- Court officers and justices of the peace (1227)
- Economists and economic policy researchers and analysts (4162)
- Employment insurance, immigration, border services and revenue officers (1228)
- Executive assistants (1222)
- Social policy researchers, consultants and program officers (4164)

Main duties

Program officers unique to government perform some or all of the following duties:

- Advise politicians or diplomats on the social, economic and political effects of government decisions on other governments in Canada or abroad
- Plan intergovernmental meetings and conferences with officers of other municipal, provincial or federal governments
- Co-ordinate the logistics and administration of elections within constituencies and ensure that electoral and voting procedures are followed
- Co-ordinate administrative support services for legislative committees, royal commissions or tribunals
- Participate as a member of a board or tribunal
- Plan logistics and oversee diplomatic protocol of official visits to Canada by foreign politicians and dignitaries
- Explain Canadian foreign and domestic policies to governments and nationals of foreign countries, and act on behalf of Canada abroad.

Employment requirements

- A bachelor's degree is usually required.
- A master's degree may be required.
- Several years of experience as a researcher, consultant or program administrator may be required.
- Foreign service officers are accepted on the basis of competitive examination.

4169 Other professional occupations in social science, n.e.c.

This unit group includes anthropologists, archaeologists, geographers, historians, linguists, political scientists, sociologists and other professional occupations in social science not elsewhere classified. They are employed in universities and throughout the public and private sectors.

Illustrative example(s)

- anthropologist

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- archaeologist
 - geographer
 - gerontologist
 - historian
 - linguist
 - political scientist
 - psychometrist
 - sociologist

Exclusion(s)

- College and other vocational instructors (4021)
- Economists and economic policy researchers and analysts (4162)
- Mathematicians, statisticians and actuaries (2161)
- Psychologists (4151)
- Secondary school teachers (4031)
- Social policy researchers, consultants and program officers (4164)
- University professors and lecturers (4011)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Anthropologists conduct studies of the origin, development and functioning of human societies and cultures and of human evolution, changing physical characteristics and geographical distribution.
- Archaeologists study artifacts (objects and structures) to reconstruct past economic, social, political and intellectual life.
- Geographers study and analyse the spatial distribution and interrelationship of physical, biological, cultural and social patterns.
- Historians conduct research into one or more phases or aspects of past human activity and interpret and document findings.
- Linguists study the origin, structure and development of languages and apply linguistic theory to problems in teaching, translation and communications.
- Political scientists conduct research into the theory, origin, development, interrelationships and functioning of political institutions, political movements and individual political behaviour.
- Psychometricians develop psychological tests, scales and measures, and may administer or apply and interpret such tests, scales and measures. Psychometrists administer and score psychological tests, usually under the supervision of a registered psychologist.
- Sociologists study the development, structure, social patterns and interrelationships of human society.
- Other social science professionals included in this group specialize in particular areas of social sciences and humanities disciplines. These include criminologists (specialists in the study of crime and criminals), gerontologists (specialists in the phenomena and problems of ageing), graphoanalysts (specialists in handwriting analysis) and others.

Specialization usually exists within each of these occupations.

Employment requirements

- A master's or doctoral degree in the discipline is usually required.

Additional information

- Specialization within each occupation occurs through specialized university study or through experience.

42 Paraprofessional occupations in legal, social, community and education services

421 Paraprofessional occupations in legal, social, community and education services

4211 Paralegal and related occupations

Paralegals prepare legal documents and conduct research to assist lawyers or other professionals. Independent paralegals provide legal services to the public as allowed by government legislation, or provide paralegal services on contract to law firms or other establishments. Notaries public administer oaths, take affidavits, sign legal documents and perform other activities according to the scope of their practice. Trademark agents advise clients on intellectual property matters. Paralegals are employed by law firms, by record search companies and in legal departments throughout the public and private sectors. Independent paralegals are usually self-employed. Notaries public are employed by government and in the public and private sectors or they may be self-employed. Trademark agents are employed by law firms and legal departments throughout the public and private sectors, trademark development and search firms or they may be self-employed.

Illustrative example(s)

- commercial law clerk
- corporate paralegal
- family law paralegal
- independent paralegal
- land titles examiner
- legal researcher
- notary public
- paralegal
- real estate law clerk
- title searcher
- trademark agent

Exclusion(s)

- Articling students, Quebec notaries and trademark lawyers (see 4112 Lawyers and Quebec notaries)
- Legal administrative assistants (1242)
- Patent agents (see 4161 Natural and applied science policy researchers, consultants and program officers)

Main duties

Paralegals perform some or all of the following duties:

- Assist lawyers by interviewing clients, witnesses and other related parties, assembling documentary evidence, preparing trial briefs, and arranging for trials
- Assist lawyers in preparation for mediation and judicial dispute resolutions
- Prepare wills, real estate transactions and other legal documents, court reports and affidavits
- Research records, court files and other legal documents
- Draft legal correspondence and perform general office and clerical duties.

Independent paralegals perform some or all of the following duties:

- Represent clients in small claims court and in other lower court proceedings, at tribunals and before administrative bodies
- Advise clients and take legal action on landlord and tenant matters, traffic violations, name changes and other issues within their jurisdictions.

Notaries public perform some or all of the following duties:

- Administer oaths and take affidavits and depositions
- Witness and certify the validity of signatures on documents
- May draft contracts, prepare promissory notes and draw up wills, mortgages and other legal documents
- May arrange probates and administer the estates of deceased persons.

Trademark agents perform some or all of the following duties:

- Advise clients on intellectual property matters and represent clients before the Registrar of Trade-Marks on matters including prosecution of applications for registration of trademarks
- Advise on the registrability of trademarks, trademark licensing requirements, transfer of intellectual property and protection of existing trademark rights
- Represent clients at proceedings before the Trade Marks Opposition Board and in related proceedings
- May represent clients internationally in consultation with foreign associates and attorneys.

Employment requirements

- Paralegals in law firms require a bachelor's degree in law or a law college diploma and in-house training from a law firm or other legal establishment.
- Independent paralegals require knowledge of legal principles and procedures usually obtained through industry-sponsored courses and through experience, or through completion of a community college paralegal program.
- Notaries public are appointed after examination and certification of their qualifications by the governing judiciary in their province or territory. All appointments have specific limitations on the activities they can perform and for specific periods of time.
- Notaries public require a provincial licence. In British Columbia, membership in the Society of Notaries Public is also required.
- To be licensed, trademark agents are required to work in the area of trademark law, including the preparation and prosecution of trademark applications for registration, for two years and
To successfully complete the examination conducted jointly by the Intellectual Property Institute of Canada and the Registrar of Trade-Marks, Canadian Intellectual Property Office
or
Either one of the above and to be a lawyer entitled to practise in Canada.
- Trademark agents require registration with the federal Trade-Mark Office.

Additional information

- Notaries public usually receive in-house training and perform their duties in rural or remote areas or in the business offices in which they are employed.

4212 Social and community service workers

Social and community service workers administer and implement a variety of social assistance programs and community services, and assist clients to deal with personal and social problems. They are employed by social service and government agencies, mental health agencies, group homes, shelters, substance abuse centres, school boards, correctional facilities and other establishments.

Illustrative example(s)

- Aboriginal outreach worker
- addictions worker
- child and youth worker
- community development worker
- community service worker
- crisis intervention worker
- developmental service worker
- drop-in centre worker
- family service worker
- group home worker
- income maintenance officer - social services
- life skills instructor
- mental health worker
- rehabilitation worker - social services
- social services worker
- veteran services officer
- welfare and compensation officer
- women's shelter supervisor

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- youth worker

Exclusion(s)

- Activities leaders - seniors (see 5254 Program leaders and instructors in recreation, sport and fitness)
- Educational counsellors (4033)
- Family, marriage and other related counsellors (4153)
- Instructors of persons with disabilities (4215)
- Managers in social, community and correctional services (0423)
- Social workers (4152)

Main duties

Social and community service workers perform some or all of the following duties:

- Review client background information, interview clients to obtain case history and prepare intake reports
- Assess clients' relevant skill strengths and needs
- Assist clients to sort out options and develop plans of action while providing necessary support and assistance
- Assess and investigate eligibility for social benefits
- Refer clients to other social services or assist clients in locating and utilizing community resources including legal, medical and financial assistance, housing, employment, transportation, day care and other services
- Counsel clients living in group homes and half-way houses, supervise their activities and assist in pre-release and release planning
- Participate in the selection and admission of clients to appropriate programs
- Implement life skills workshops, substance abuse treatment programs, behaviour management programs, youth services programs and other community and social service programs under the supervision of social services or health care professionals
- Meet with clients to assess their progress, give support and discuss any difficulties or problems
- Assist in evaluating the effectiveness of treatment programs by tracking clients' behavioural changes and responses to interventions
- Advise and aid recipients of social assistance and pensions
- Provide crisis intervention and emergency shelter services
- Implement and organize the delivery of specific services within the community
- Maintain contact with other social service agencies and health care providers involved with clients to provide information and obtain feedback on clients' overall progress
- Co-ordinate the volunteer activities of human service agencies, health care facilities and arts and sports organizations
- May maintain program statistics for purposes of evaluation and research
- May supervise social service support workers and volunteers.

Employment requirements

- Completion of a college or university program in social work, child and youth care, psychology or other social science or health-related discipline is usually required.
- Previous work experience in a social service environment as a volunteer or in a support capacity may replace formal education requirements for some occupations in this unit group.
- Social service workers may be required to be a member of a provincial regulatory body in some provinces.

Additional information

- Progression to professional occupations in social services, such as family and marriage counsellors, social workers, and probation and parole officers, is possible with additional training and experience.

4214 Early childhood educators and assistants

Early childhood educators plan, organize and implement programs for children between the ages of infancy and 12 years. Early childhood educator assistants provide care for infants and preschool- to school-age children under the guidance of early childhood educators. Early childhood educators and assistants lead children in activities to stimulate and develop their intellectual, physical and emotional growth and ensure their security and well-being.

They are employed in child-care centres, daycare centres, kindergartens, agencies for exceptional children and other settings where early childhood education services are provided. Supervisors of early childhood educators and assistants are included in this unit group.

Illustrative example(s)

- child care worker assistant
- child care worker, daycare
- daycare helper
- daycare supervisor
- daycare teacher
- daycare worker
- early childhood assistant
- early childhood education worker
- early childhood educator - preschool
- early childhood educator (E.C.E.)
- early childhood educator assistant
- early childhood program staff assistant
- early childhood supervisor
- preschool helper
- preschool supervisor

Exclusion(s)

- Child-care centre administrators (see 0423 Managers in social, community and correctional services)
- Elementary and secondary school teacher assistants (4413)
- Elementary school and kindergarten teachers (4032)

Main duties

Early childhood educators perform some or all of the following duties:

- Develop and implement child-care programs that support and promote the physical, cognitive, emotional and social development of children
- Lead activities by telling or reading stories, teaching songs, taking children to local points of interest and providing opportunities to express creativity through the media of art, dramatic play, music and physical activity
- Plan and maintain an environment that protects the health, security and well-being of children
- Assess the abilities, interests and needs of children and discuss progress or problems with parents and other staff members
- Observe children for signs of potential learning or behavioural problems and prepare reports for parents, guardians or supervisor
- Guide and assist children in the development of proper eating, dressing and toilet habits
- Establish and maintain collaborative relationships with co-workers and community service providers working with children
- May plan and organize activities for school-age children in child-care programs before and after regular school hours
- May supervise and co-ordinate activities of other early childhood educators and early childhood educator assistants.

Early childhood educator assistants perform some or all of the following duties:

- Support early childhood educators in carrying out programs that promote the physical, cognitive, emotional and social development of children
- Engage children in activities by telling stories, teaching songs and preparing crafts
- Prepare snacks and arrange rooms or furniture for lunch and rest periods
- Assist with proper eating, dressing and toilet habits
- Submit written observations on children to early childhood educators or supervisors
- Maintain daycare equipment and assist in housekeeping and cooking duties
- Attend staff meetings to discuss progress and problems of children
- May assist early childhood educators or supervisors in keeping records.

Employment requirements

Early childhood educators

- Completion of a two- to four-year college program in early childhood education or
A bachelor's degree in child development is required.
- Licensing by a provincial or territorial association for early childhood educators (ECE) is usually required.

Early childhood educator assistants

- Completion of secondary school is required.
- Experience in child care is required.
- Completion of an early childhood education assistant certificate program or post-secondary courses in early childhood education may be required.
- Licensing by a provincial or territorial association for early childhood educators (ECE) may be required.

Additional information

- Progression to senior positions, such as daycare supervisor, is possible with several years of experience or with experience and advanced ECE qualification levels.

4215 Instructors of persons with disabilities

Instructors of persons with disabilities teach children and adults using a variety of techniques to facilitate communication, rehabilitation, social skills and increased independence. They are employed in rehabilitation centres, specialized educational institutes and throughout the school system.

Illustrative example(s)

- braille instructor
- instructor of persons with a mobility impairment
- instructor of persons who are deaf
- instructor of persons who are hard of hearing
- instructor of persons with a learning disability
- instructor of persons with a visual impairment
- instructor of persons with special needs
- lip-reading instructor
- orientation and mobility instructor
- sign language instructor
- teacher for persons with intellectual disabilities

Exclusion(s)

- Occupational therapy rehabilitation consultants (see 3143 Occupational therapists)
- Special education technicians - social and community services (see 4212 Social and community service workers)
- Special needs educational assistants (see 4413 Elementary and secondary school teacher assistants)
- Special needs teachers - elementary school (see 4032 Elementary school and kindergarten teachers)
- Special needs teachers - secondary school (see 4031 Secondary school teachers)
- Speech and hearing therapists (see 3141 Audiologists and speech-language pathologists)

Main duties

Instructors of persons with disabilities perform some or all of the following duties:

- Develop individualized education and intervention plans based on special needs of client to facilitate their readaptation and independence objectives
- Assess individuals in areas such as physical limitations, orientation and mobility skills, and cognitive, social and emotional barriers to establish client rehabilitation or adaptation goals
- Assist individuals with physical, intellectual, visual and hearing disabilities or multiple disorders to develop life skills and provide job training
- Instruct individuals with disabilities and their families in the use of rehabilitative techniques, prosthetic devices, wheelchairs and other equipment designed to maximize clients' independence and potential

- Instruct persons with a visual impairment in reading and writing braille and in the use of special equipment or supports such as human or animal guides, long canes and other adaptive mobility devices
- Instruct persons who are hard of hearing or deaf in lip-reading, finger spelling and sign language according to individual communication needs
- Instruct persons who are hard of hearing or deaf in the formation and development of sounds for speech using hearing aids, and other devices and techniques
- Collaborate with specialists, such as rehabilitation counsellors, speech-language pathologists and occupational therapists, to develop programs for clients' special needs

Employment requirements

- Completion of a college program in special education, rehabilitation, orientation and mobility, visual impairment, hearing impairment or intellectual disability is required.
- A bachelor's degree in special education or a related field such as social work or psychology may be required.

4216 Other instructors

Instructors in this unit group teach courses, such as motor vehicle or motorcycle driving, sailing and navigation, sewing or other courses, which are outside of educational institutions and not primarily job-related. They are employed by driving schools, fabric retailers and other commercial establishments or they may be self-employed. This unit group also includes modelling and finishing school instructors, driver's licence examiners, who are employed by provincial governments and tutors who provide instruction in elementary or secondary school subjects.

Illustrative example(s)

- driver's licence examiner
- driving instructor
- instructor, modelling and finishing school
- motorcycle driving instructor
- sewing instructor - non-vocational

Exclusion(s)

- College and other vocational instructors (4021)
- Elementary school and kindergarten teachers (4032)
- Secondary school teachers (4031)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Driving instructors instruct individuals on proper motor vehicle driving skills and traffic regulations, demonstrate and explain the handling and mechanical operation of motor vehicles and supervise individuals during practice driving.
- Driver's licence examiners conduct road test examinations and evaluate the driving ability of applicants for driver's licences.
- Sewing instructors give instruction to students in techniques and skills of sewing, tailoring and dressmaking.
- Modelling and finishing school instructors give instruction on comportment, personal development, make-up application and modelling techniques for fashion shows and magazine advertising.

Employment requirements

- Expertise in the field of instruction must be demonstrated.
- Driving instructors must obtain special licensing as a driving instructor in the province of employment.
- Certification by the Canadian Yachting Association may be required for sailing and navigation instructors.

4217 Other religious occupations

This unit group includes brothers, nuns, monks, religious education workers and others who provide support to ministers of religion or to a religious community and who perform certain functions associated with the practice of a religion. They may perform these duties in churches, synagogues, temples or other places of worship or in institutions such as schools, hospitals and prisons.

Illustrative example(s)

- brother/sister - religion
- cantor
- Christian science practitioner
- deacon
- missionary
- monk
- nun
- pastoral animator
- religious education worker
- Salvation Army field worker

Exclusion(s)

- Professional occupations in religion (4154)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Assist at services of public worship and religious rites
- Provide religious education, spiritual guidance and moral support to members of a religious community
- Administer programs providing food, clothing and shelter.

Employment requirements

- Requirements range from completion of secondary school education to a university undergraduate degree, depending on the particular occupation and religion.
- There may be other employment requirements depending on the particular occupation and religion.

43 Occupations in front-line public protection services

431 Occupations in front-line public protection services

4311 Police officers (except commissioned)

Police officers protect the public, detect and prevent crime and perform other activities directed at maintaining law and order. They are employed by municipal and federal governments and some provincial and regional governments. This unit group includes railway police.

Illustrative example(s)

- community relations officer - police
- constable
- crime prevention constable
- detective - police
- harbour police officer
- highway patrol officer
- police cadet
- police diver
- police officer
- police sergeant
- railway police officer
- RCMP officer

Exclusion(s)

- By-law enforcement and other regulatory officers, n.e.c. (4423)
- Commissioned police officers (0431)
- Private detectives (see 6541 Security guards and related security service occupations)
- Sheriffs and bailiffs (4421)

Main duties

Police officers perform some or all of the following duties:

- Patrol assigned areas to maintain public safety and order and to enforce laws and regulations
- Investigate crimes and accidents, secure evidence, interview witnesses, compile notes and reports and provide testimony in courts of law
- Arrest criminal suspects
- Provide emergency assistance to victims of accidents, crimes and natural disasters
- Participate in crime prevention, public information and safety programs
- May supervise and co-ordinate the work of other police officers.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program or university degree in law and security or in the social sciences is usually required.
- A three- to six-month police training program is provided.
- Physical agility, strength, fitness and vision requirements must be met, and psychological or other tests may also be required.
- Experience as a constable and the completion of specialized courses are required for detectives and sergeants.

Additional information

- Progression to commissioned police officer positions is possible with additional training and experience.

4312 Firefighters

Firefighters carry out firefighting and fire prevention activities, and assist in other emergencies. They are employed by municipal, provincial and federal governments and by large industrial establishments that have internal firefighting services.

Illustrative example(s)

- airport firefighter
- fire captain
- firefighter
- firefighter, shipboard
- industrial firefighter
- lieutenant, firefighters

Exclusion(s)

- Fire chiefs and senior firefighting officers (0432)
- Forest firefighters (see 8422 Silviculture and forestry workers)
- Paramedics (see 3234 Paramedical occupations)

Main duties

Firefighters perform some or all of the following duties:

- Respond to fire alarms and other calls for assistance, such as automobile and industrial accidents, bomb threats and other emergencies
- Rescue victims from burning buildings and accident sites
- Control and extinguish fires using manual and power equipment, such as axes, water hoses, aerial ladders and hydraulic equipment and various firefighting chemicals
- Administer first aid and other assistance

-
- Ensure proper operation and maintenance of firefighting equipment
 - Prepare written reports on fire incidents
 - Inform and educate the public on fire prevention
 - Train to maintain high level of physical fitness
 - Assist the public, the police and emergency organizations during times of major disasters
 - May participate as members of a trauma or emergency response team and provide paramedical aid to accident victims or ill persons
 - May supervise and co-ordinate the work of other firefighters
 - May conduct building inspections to ensure compliance with fire code.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a college program in fire protection technology, fire science or a related field may be required.
- Firefighting and emergency medical care training courses are provided and vary in length depending on the requirements of different fire departments or services.
- An apprenticeship training program for firefighters and voluntary trade certification is available in New Brunswick.
- Experience as a volunteer firefighter may be an advantage.
- Physical agility, strength, fitness and vision requirements must be met.
- Several years of experience are required for senior firefighters, such as lieutenants and captains.

Additional information

- Progression to senior positions such as fire chief is possible with additional training and several years of experience.

4313 Non-commissioned ranks of the Canadian Forces

This unit group consists of Canadian Forces personnel who are non-commissioned officers (NCOs) or members of other non-commissioned ranks. They provide collective defence measures to protect Canadian waters, land, airspace and other interests. All ranks of non-commissioned officers and members in the air force, army, and navy are included in this unit group.

Illustrative example(s)

Air Force and Army ranks

- chief warrant officer
- master corporal
- private
- sergeant

Navy ranks

- able seaman - armed forces
- master seaman
- ordinary seaman - armed forces
- petty officer first class

Exclusion(s)

- Commissioned officers of the Canadian Forces (0433)

Main duties

Personnel in non-commissioned ranks of the Canadian Forces perform some or all of the following duties:

- Operate armoured vehicles, artillery, hand-held weapons and other military combat equipment and defence systems
- Conduct peacekeeping operations and enforce cease-fire agreements
- Engage in non-combat operations for humanitarian efforts
- Provide assistance in emergency situations, such as civil disorder, natural disasters and major accidents

- Participate in drills and other training in preparation for peacekeeping, combat and natural disaster relief duties
- Perform administrative and guard duties.

Personnel in this unit group are assigned to specific operations related to reconnaissance, peacekeeping, disaster relief and combat.

Employment requirements

- Completion of secondary school is usually required.
- Three months of basic military training are provided.
- Specialized training in the operation and maintenance of military equipment and systems is provided.

Additional information

- Progression to commissioned officer occupations is possible with additional training and experience.

44 Care providers and educational, legal and public protection support occupations

441 Home care providers and educational support occupations

4411 Home child care providers

Home child care providers care for children on an ongoing or short-term basis. They care for the well-being and physical and social development of children, assist parents with child care and may assist with household duties. They provide care primarily in their own homes or in the children's homes, where they may also reside. They are employed by private households and child-care agencies, or they may be self-employed. Foster parents are included in this unit group.

Illustrative example(s)

- babysitter
- babysitter - fitness centre
- child care provider - private home
- foster parent
- live-in caregiver, child care
- nanny
- parent's helper

Exclusion(s)

- Child care workers - daycare (see 4214 Early childhood educators and assistants)
- Live-in caregivers for seniors and persons with disabilities (see 4412 Home support workers, housekeepers and related occupations)

Main duties

Home child care providers perform some or all of the following duties:

- Supervise and care for children in employer's or own residence
- Bathe, dress and feed infants and children
- Prepare formulas and change diapers for infants
- Plan, prepare and serve meals for children and may perform other housekeeping duties
- Oversee children's activities, such as meals and rest periods, as instructed by employer
- Maintain a safe and healthy environment in the home
- Instruct children in personal hygiene
- Tend to the emotional well-being of children and support their social development
- Discipline children according to the methods requested by the parents
- Organize and participate in activities such as games, crafts, reading and outings
- Take children to and from school and appointments
- May be required to keep records of daily activities and health information regarding each child.

Foster parents perform some or all of the following duties:

- Care for foster children, usually on an emergency or temporary basis, as a primary guardian under general direction of foster parent agency
- Consult foster parent agency supervisors for advice and when problems arise
- Administer foster care programs for foster children, as directed by foster parent agency social workers.

Employment requirements

- Completion of secondary school may be required.
- Home child care providers, parent's helpers and foster parents may require completion of a training program in child care or a related field.
- Child care or household management experience may be required.
- Demonstrated ability to perform work is usually required.
- First aid certification and CPR (cardiopulmonary resuscitation) training may be required.

Additional information

- There is mobility among occupations in this group.

4412 Home support workers, housekeepers and related occupations

Home support workers provide personal care and companionship for seniors, persons with disabilities and convalescent clients. Care is provided within the client's residence, in which the home support worker may also reside. They are employed by home care and support agencies, private households, or they may be self-employed. Housekeepers perform housekeeping and other home management duties in private households and other non-institutional, residential settings.

Illustrative example(s)

- attendant for persons with disabilities - home care
- family caregiver
- home support worker
- housekeeper
- live-in caregiver - seniors
- personal aide - home support
- personal care attendant - home care
- respite worker - home support

Exclusion(s)

- Home child care providers (4411)

Main duties

Home support workers perform some or all of the following duties:

- Provide care and companionship for individuals and families during periods of incapacitation, convalescence or family disruption
- Administer bedside and personal care to clients such as aid in ambulation, bathing, personal hygiene, and dressing and undressing
- Plan and prepare meals and special diets, and feed or assist in feeding clients
- May perform routine health-related duties such as changing non-sterile dressings, assisting in the administration of medications and collecting specimens under the general direction of home care agency supervisor or nurse
- May perform routine housekeeping duties such as laundry, washing dishes and making beds.

Housekeepers perform some or all of the following duties:

- Perform housekeeping and other home management duties under general direction of employer
- Plan and prepare meals independently or with employer, and may serve meals
- May care for children.

Employment requirements

- Some secondary school education is usually required.
- Home management experience may be required.

- College or other courses in home support may be required.
- First aid certification may be required.
- Completion of a training program in care of the elderly, care of persons with disabilities, convalescent care or in a related field may be required.

Additional information

- There is mobility among the occupations in this group.

4413 Elementary and secondary school teacher assistants

Elementary and secondary school teacher assistants support students, and assist teachers and counsellors with teaching and non-instructional tasks. They assist in areas of personal care, teaching and behaviour management under the supervision of teachers or other child care professionals. They are employed in public and private elementary, secondary and special needs schools and treatment centres.

Illustrative example(s)

- educational assistant
- educational resources assistant
- elementary school teacher's aide
- homework assistant
- remedial education aide
- school lunchroom supervisor
- secondary school teacher's assistant
- special education assistant

Exclusion(s)

- Early childhood educators and assistants (4214)
- Elementary school and kindergarten teachers (4032)
- Instructors of persons with disabilities (4215)
- Post-secondary teaching and research assistants (4012)

Main duties

Elementary and secondary school teacher assistants perform some or all of the following duties:

- Assist students with integration into the classroom and school setting
- Help students individually or in small groups with assignments and reinforce learning and retention concepts under the supervision of classroom teacher
- Assist students with special needs using techniques such as sign language, braille and remedial programs
- Monitor and report student progress to classroom teacher
- Accompany and supervise students during activities in school gymnasiums, laboratories, libraries, resource centres and on field trips
- May assist teacher in the operation of projectors, tape recorders and other audio-visual or electronic equipment
- May assist in school library or office and perform other duties assigned by school principal
- May monitor students during recess, at noon hour or during the day.

Employment requirements

- Completion of secondary school is required.
- Teacher assistants usually require completion of a 10-month college program in teaching assistance, educational assistance or other social science program.
- Teacher assistants who help students with special needs usually require specialized training and experience.

Additional information

- Mobility to other occupations related to child care and adolescent supportive instruction is possible with experience.

442 Legal and public protection support occupations

4421 Sheriffs and bailiffs

Sheriffs execute and enforce court orders, warrants and writs, participate in seizure and sale of property and perform courtroom and other related duties. Bailiffs serve legal orders and documents, seize or repossess properties, evict tenants and perform other related activities. Sheriffs and bailiffs are employed by provincial or territorial courts, and bailiffs may be employed as officers of the court or in private service as agents for creditors.

Illustrative example(s)

- bailiff
- deputy sheriff
- sheriff
- sheriff's bailiff
- sheriff's officer

Exclusion(s)

- Correctional service officers (4422)
- Court clerks (1416)
- Police officers (except commissioned) (4311)

Main duties

Sheriffs and bailiffs perform some or all of the following duties:

- Serve statements of claims, summonses, warrants, jury summonses, orders to pay spousal support, and other court orders
- Serve writs of execution by seizing and selling property and distributing the proceeds according to court decisions
- Locate property and make seizures and removals under various acts of Parliament
- Provide courthouse security for judges and perimeter security for the courthouse
- Escort prisoners to and from courts and correctional institutions
- Prepare comprehensive reports and affidavits and maintain records
- Attend court, escort witnesses and assist in maintaining order
- Ensure security support services for sequestered juries
- Issue warrants for imprisonment, arrest or apprehension.

Employment requirements

- Completion of secondary school is required.
- A college diploma or bachelor's degree in legal studies is usually required.
- Sheriffs require experience as a deputy sheriff or bailiff and/or in custodial/escort or security work.
- Bailiffs usually require some work experience related to law enforcement as well as knowledge of relevant statutes and laws.
- Membership in the provincial regulatory body is mandatory in Quebec.

Additional information

- Progression to supervisory positions is possible with additional experience and in-house training.

4422 Correctional service officers

Correctional service officers guard offenders and detainees and maintain order in correctional institutions and other places of detention. They are employed by federal, provincial and municipal governments. Correctional service officers who are supervisors are included in this unit group.

Illustrative example(s)

- correctional facility guard
- correctional service officer
- detention attendant

- prison guard
- supervisor, correctional officers

Exclusion(s)

- Detention home workers (see 4212 Social and community service workers)
- Managers in social, community and correctional services (0423)
- Social workers (4152)

Main duties

Correctional service officers perform some or all of the following duties:

- Observe conduct and behaviour of offenders and detainees to prevent disturbances and escapes
- Supervise offenders during work assignments, meals and recreation periods
- Patrol assigned area and report any problems to supervisor
- Observe behaviour of offenders and prepare reports
- Escort detainees in transit and during temporary leaves
- Prepare admission, program, release, transfer and other reports
- May supervise and co-ordinate work of other correctional service officers.

Employment requirements

- Completion of secondary school is required.
- Post-secondary education in correctional services, police studies or criminology may be required.
- Correctional officer recruits must successfully complete the Correctional Service of Canada training course to be employed by federal institutions.
- Correctional officer recruits are usually required to complete a basic training course to be employed by provincial/territorial institutions.
- Physical agility, strength and fitness requirements must be met.
- Correctional service supervisors require experience as a correctional service officer.
- First aid certification and CPR (cardiopulmonary resuscitation) training are usually required.

4423 By-law enforcement and other regulatory officers, n.e.c.

Officers and inspectors in this unit group enforce by-laws and regulations of provincial and municipal governments. They are employed by provincial and municipal governments and agencies.

Illustrative example(s)

- animal control officer
- by-law enforcement officer
- commercial transport inspector
- garbage collection inspector
- liquor licence inspector
- parking control officer
- property standards inspector
- taxi inspector
- zoning inspector

Exclusion(s)

- Employment insurance, immigration, border services and revenue officers (1228)
- Engineering inspectors and regulatory officers (2262)
- Inspectors in public and environmental health and occupational health and safety (2263)
- Police officers (except commissioned) (4311)
- Sheriffs and bailiffs (4421)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Animal control officers respond to citizen complaints concerning stray domestic animals, livestock and wildlife; issue warnings and citations to owners; and impound lost, homeless and dangerous animals.

- By-law enforcement officers enforce municipal and provincial regulations, investigate complaints, and issue warnings and citations to commercial and residential property owners and occupants.
- Commercial transport inspectors inspect commercial vehicles to ensure compliance with regulations governing load restrictions, the transportation of hazardous materials and public safety.
- Garbage collection inspectors investigate complaints concerning infractions of garbage collection by-laws.
- Liquor licence inspectors conduct inspections of licensed establishments, advise licencees on laws and regulations, and report contravention of laws and regulations to provincial liquor control boards and agencies.
- Parking control officers enforce parking by-laws on city streets, regional roads and municipal properties.
- Taxi inspectors inspect taxicabs for mechanical reliability, cleanliness, licensing and meter accuracy; investigate public complaints, issue citations and prepare reports; and give evidence to city councils, taxi commissions and in court.
- Zoning inspectors investigate properties in violation of zoning and related by-laws, after receiving requests for licence clearances pertaining to zoning and related by-laws, and on receipt of building permit applications.

By-law enforcement officers may specialize in the enforcement of one specific by-law.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program or courses in law and security or other related field or
Experience in a related administrative or regulatory occupation is usually required.
- Zoning inspectors or zoning enforcement officers may require a college diploma as a civil engineering or architectural technologist or technician and several years of experience in enforcement and/or building construction or a related field.
- On-the-job training is provided.

5 Occupations in art, culture, recreation and sport

51 Professional occupations in art and culture

511 Librarians, archivists, conservators and curators

5111 Librarians

Librarians select, develop, organize and maintain library collections and provide advisory services for users. They are employed in libraries or in a department within a library.

Illustrative example(s)

- bibliographer
- cataloguer - library
- cybrarian
- liaison librarian
- librarian
- library consultant
- library supervisor

Exclusion(s)

- Library and public archive technicians (5211)
- Library curators (see 5112 Conservators and curators)
- Library directors and managers (see 0511 Library, archive, museum and art gallery managers)
- School librarians (see 5211 Library and public archive technicians)
- Teacher-librarian, elementary school (see 4032 Elementary school and kindergarten teachers)
- Teacher-librarian, high school (see 4031 Secondary school teachers)

Main duties

Librarians perform some or all of the following duties:

- Recommend acquisition of books, periodicals and audio-visual, interactive media and other materials for inclusion in library collection
- Provide reference services
- Select, classify, catalogue and weed library materials
- Prepare bibliographies, indexes, reading lists, guides and other finding aids
- Develop systems to access library collections
- Perform manual, on-line and interactive media reference searches to assist users in accessing library materials and arrange for interlibrary loans
- Develop taxonomies using various information and data sources
- Provide specialized programs for children, seniors and other groups
- Conduct library information and orientation training programs and tours
- Perform related administrative duties and supervise library technicians, assistants and clerks.

Employment requirements

- A master's degree in library science is required.

Additional information

- Progression to library management positions is possible with experience.

5112 Conservators and curators

Conservators restore and conserve artifacts belonging to museums, galleries and owners of cultural property. Curators recommend the acquisition of museum artifacts and gallery works of art and research their artistic history. Conservators and curators are employed in museums, art galleries and universities. Conservators may be self-employed.

Illustrative example(s)

- art gallery conservator
- assistant curator
- conservator - art objects
- conservator - museum
- curator
- historical artifact conservator
- natural history museum curator

Exclusion(s)

- Curatorial assistants (see 5212 Technical occupations related to museums and art galleries)
- Museum designers (see 5243 Theatre, fashion, exhibit and other creative designers)
- Museum educators (see 1123 Professional occupations in advertising, marketing and public relations)
- Restaurateurs in food services (see 0631 Restaurant and food service managers)

Main duties

Conservators perform some or all of the following duties:

- Examine artifacts, determine their condition, suggest methods for treating them and recommend preventive conservation techniques to their owners
- Restore and conserve paintings, photographs, sculptures, furniture, pottery and other museum and art gallery artifacts
- Provide advice on display and storage of museum and gallery artifacts to ensure proper maintenance and preservation
- Research new conservation and restoration techniques
- Provide consultation to museums, art galleries or private individuals
- Supervise conservation technicians and other museum technicians.

Curators perform some or all of the following duties:

-
- Recommend the acquisition of paintings, photographs, sculptures, documents and other museum and art gallery artifacts
 - Research origins and artistic history of artifacts
 - Develop storylines and themes and organize displays and exhibitions
 - Co-ordinate the storage of collections and the setting up of displays and exhibitions
 - Oversee the conservation, display and circulation of collections
 - Supervise curatorial assistants and other museum technicians.

Conservators and curators may specialize in a particular type of collection or material, such as furniture, weapons, books, paintings and musical instruments.

Employment requirements

- Conservators require a master's degree in art conservation or
Completion of a three-year college program in conservation technology and several years of experience in conservation work.
- Curators require a master's or bachelor's degree in museology, art history or a field related to their specific area of work.

Additional information

- Progression to museum or art gallery management positions is possible with experience.

5113 Archivists

Archivists manage, process, store and disseminate information contained in an organization's archives. They acquire, store and research textual material, pictures, maps, architectural documents, electronic materials, films and videos, and sound recordings and multimedia materials. Archivists are employed in archives, in the public and para-public sectors and in private sector organizations.

Illustrative example(s)

- archivist
- historical archivist
- multimedia archivist

Exclusion(s)

- Archive assistants (see 5211 Library and public archive technicians)
- Librarians (5111)
- Library, archive, museum and art gallery managers (0511)

Main duties

Archivists perform some or all of the following duties:

- Develop policies and procedures for managing current and semicurrent archives, in particular corporate cataloguing systems, records scheduling and disposal, and finding aids
- Design programs for managing, disseminating and storing archives of all types (documents, photographs, maps, audio-visual materials, manuscripts, etc.)
- Plan the computerized management of archives and the management of electronic archives
- Appraise and acquire archival materials to build and develop an archival collection for research purposes
- Authenticate documents and records, and research the origins and significance of archival materials
- Organize noncurrent archives and develop cataloguing and retrieval systems to allow access to archival materials
- Assist people with their searches.

Employment requirements

- A bachelor's degree with a minor in archival studies or
A university degree with a certificate in archival studies is required.

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- A master's degree in archival studies, archival studies and information science, library science or history may be required.

Additional information

- Progression to archive management positions is possible with experience.

512 Writing, translating and related communications professionals

5121 Authors and writers

Authors and writers plan, research and write books, scripts, storyboards, plays, essays, speeches, manuals, specifications and other non-journalistic articles for publication or presentation. They are employed by advertising agencies, governments, large corporations, private consulting firms, publishing firms, multimedia/new-media companies and other establishments, or they may be self-employed.

Illustrative example(s)

- advertising copywriter
- copywriter
- essayist
- interactive media writer
- literary writer
- medical writer
- novelist
- playwright
- poet
- scientific writer
- script writer
- specifications writer
- speech writer
- technical writer
- writer

Exclusion(s)

- Editors (5122)
- Journalists (5123)
- Professional occupations in advertising, marketing and public relations (1123)
- Song writers (see 5132 Conductors, composers and arrangers)
- Translators, terminologists and interpreters (5125)

Main duties

The following is a summary of the main duties of some occupations in this unit group:

Novelists, playwrights, script writers, poets and other creative writers

- Conceive and write novels, plays, scripts, poetry and other material for publication or presentation
- May conduct research to establish factual content and to obtain other necessary information.

Technical writers

- Analyze material, such as specifications, notes and drawings and write manuals, user guides and other documents to explain clearly and concisely the installation, operation and maintenance of software and electronic, mechanical and other equipment.

Copywriters

- Study and determine selling features of products and services and write text for advertisements and commercials.

Authors and writers may specialize in a particular subject or type of writing.

Employment requirements

- Technical writers usually require a university degree in the area of specialization, such as computer science or engineering.
- Copywriters usually require a university degree or college diploma in French, English, marketing, advertising or another discipline.
- Creative writing programs are offered by universities and colleges.
- Talent and ability, as demonstrated by a portfolio of work, are important hiring criteria.
- Membership in a guild or union related to the occupation may be required.

5122 Editors

Editors review, evaluate and edit manuscripts, articles, news reports and other material for publication, broadcast or interactive media and co-ordinate the activities of writers, journalists and other staff. They are employed by publishing firms, magazines, journals, newspapers, radio and television networks and stations, and by companies and government departments that produce publications such as newsletters, handbooks, manuals and Web sites. Editors may also work on a freelance basis.

Illustrative example(s)

- advertising editor
- associate editor
- contributing editor
- copy editor
- editor
- editorial consultant
- literary editor
- manuscript editor
- medical editor
- news editor
- news service editor
- sports editor
- technical editor

Exclusion(s)

- Authors and writers (5121)
- Editorial assistants (see 1452 Correspondence, publication and regulatory clerks)
- Film editors (see 5131 Producers, directors, choreographers and related occupations)
- Journalists (5123)
- Managing editors (see 0512 Managers - publishing, motion pictures, broadcasting and performing arts)
- Map editors (see 2255 Technical occupations in geomatics and meteorology)
- Sound editors (see 5225 Audio and video recording technicians)
- Translators-revisers (see 5125 Translators, terminologists and interpreters)

Main duties

Editors perform some or all of the following duties:

- Evaluate suitability of manuscripts, articles, news copy and wire service dispatches for publication, broadcast or electronic media and recommend or make changes in content, style and organization
- Read and edit copy to be published or broadcast to detect and correct errors in spelling, grammar and syntax, and shorten or lengthen copy as space or time requires
- Confer with authors, staff writers, reporters and others regarding revisions to copy
- Plan and implement layout or format of copy according to space or time allocations and significance of copy
- Plan and co-ordinate activities of staff and assure production deadlines are met
- Plan coverage of upcoming events and assign work accordingly
- Write or prepare introductions, marketing and promotional materials, bibliographic references, indexes and other text
- May negotiate royalties with authors and arrange for payment of freelance staff.

Editors may specialize in a particular subject area, such as news, sports or features, or in a particular type of publication, such as books, magazines, newspapers or manuals.

Employment requirements

- A bachelor's degree in English, French, journalism or a related discipline is usually required.
- Several years of experience in journalism, writing, publishing or a related field are usually required.
- Membership in the Editors Association of Canada may be required.
- Editors who specialize in a specific subject matter may be required to have training in that subject.

Additional information

- Progression to supervisory and management positions, such as editor-in-chief or managing editor, is possible with experience.

5123 Journalists

Journalists research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media. Journalists are employed by radio and television networks and stations, newspapers and magazines. Journalists may also work on a freelance basis.

Illustrative example(s)

- book reviewer
- broadcast journalist
- columnist
- correspondent
- cyberjournalist
- investigative reporter
- journalist
- network reporter
- news commentator
- newspaper critic
- reporter

Exclusion(s)

- Announcers and other broadcasters (5231)
- Authors and writers (5121)
- Editors (5122)
- Photojournalists (see 5221 Photographers)

Main duties

Journalists perform some or all of the following duties:

- Collect local, national and international news through interviews, investigation and observation
- Write news stories for publication and broadcast
- Receive, analyze and verify news and other copy for accuracy
- Arrange for and conduct interviews as part of research and for radio and television programs
- Research and report on developments in specialized fields such as medicine, science and technology
- Prepare regular feature columns and stories on specialized topics
- Write editorials and commentaries on topics of current interest to stimulate public interest and express the views of a publication or broadcasting station
- Write critical reviews of literary, musical and other artistic works based on knowledge, judgement and experience.

Journalists may specialize in print, broadcast or Webcast media, in particular issues such as political affairs or entertainment news, or in a particular geographic area.

Employment requirements

- A university degree or college diploma in journalism or a related field such as communications is usually required.

Additional information

- Experienced reporters may advance to editorial positions (print media) or become producers (broadcast media).

5125 Translators, terminologists and interpreters

Translators translate written material from one language to another. Interpreters translate oral communication from one language to another during speeches, meetings, conferences, debates and conversation, or in court or before administrative tribunals. Terminologists conduct research to itemize terms connected with a certain field, define them and find equivalents in another language. Sign language interpreters use sign language to translate spoken language and vice versa during meetings, conversations, television programs or in other instances. Translators, terminologists and interpreters are employed by government, private translation and interpretation agencies, in-house translation services, large private corporations, international organizations and the media, or they may be self-employed. Sign language interpreters work in schools and courts, and for social service agencies, interpretation services, government services and television stations, or they may be self-employed.

Illustrative example(s)

- community interpreter
- conference interpreter
- court interpreter
- interpreter
- legal terminologist
- literary translator
- localiser
- medical terminologist
- sign language interpreter
- terminologist
- translator
- translator adaptor
- translator-reviser

Exclusion(s)

- Authors and writers (5121)
- Editors (5122)
- Language instructors (see 4021 College and other vocational instructors)
- Linguists (see 4169 Other professional occupations in social science, n.e.c.)

Main duties

Translators and translator-revisers perform some or all of the following duties:

- Translate a variety of written material such as correspondence, reports, legal documents, technical specifications and textbooks from one language to another, maintaining the content, context and style of the original material to the greatest extent possible
- Localize software and accompanying technical documents to adapt them to another language and culture
- Revise and correct translated material
- May train and supervise other translators.

Terminologists perform some or all of the following duties:

- Identify the terminology used in a field of activity
- Conduct terminological research on a given subject or in response to inquiries for the preparation of glossaries, terminology banks, technological files, dictionaries, lexicons and resource centres, and add to terminological databases
- Manage, update and circulate linguistic information collected from terminological databases

- Provide consultative services to translators, interpreters and technical writers preparing legal, scientific or other documents that require specialized terminologies.

Interpreters perform some or all of the following duties:

- Interpret oral communication from one language to another aloud or using electronic equipment, either simultaneously (as the speaker speaks), consecutively (after the speaker speaks) or whispered (speaking in a low whisper to one or two persons as the speaker is talking)
- Provide interpretation services in court or before administrative tribunals
- May interpret language for individuals and small groups travelling in Canada and abroad
- May interpret for persons speaking an Aboriginal or foreign language in a variety of circumstances
- May train other interpreters.

Translators, terminologists and interpreters specialize in two languages, such as French and English, the official languages of Canada. They may also specialize in another language and one of the official languages. The main areas of specialization include administrative, literary, scientific and technical translation. Interpreters may specialize in court, parliamentary or conference interpretation.

Sign language interpreters perform some or all of the following duties:

- Translate sign language to a spoken language and vice versa either simultaneously or consecutively.

Sign language interpreters work in French and Langue des signes québécoise (LSQ) or in English and American Sign Language (ASL).

Employment requirements

- A university degree in translation with a specialization in translation, interpretation or terminology in two languages including at least one of the two official languages
or
A university degree in a related discipline such as languages, linguistics, philology and courses in linguistic transfer and two years' experience as a full-time translator working in two languages, at least one of which is an official language
or
Five years of experience as a full-time translator working in two languages, at least one of which is an official language, are required.
- Sign language interpreters require a college training program or a university certificate in sign language interpretation.
- Certification on dossier or by examination from the Canadian Translators, Terminologists and Interpreters Council may be required for translators, terminologists and interpreters.
- Sign language interpreters may require a certificate or certification evaluation in LSQ or ASL.
- Fluency in three languages is usually required for translators or interpreters working in an international context.
- Membership in a provincial or territorial association of translators, interpreters and terminologists may be required.
- Membership in a provincial association of sign language interpreters may be required.

513 Creative and performing artists

5131 Producers, directors, choreographers and related occupations

This unit group includes producers, directors, choreographers and others who oversee and control the technical and artistic aspects of film, television, radio, dance and theatre productions. They are employed by film production companies, radio and television stations, broadcast departments, advertising companies, sound recording studios, record production companies and dance companies. They may also be self-employed.

Illustrative example(s)

- artistic director - motion picture
- choreographer
- cyber-choreographer
- director - motion picture
- director of photography

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- film editor
 - filmmaker
 - multimedia audio producer
 - producer - performing arts
 - producer-director
 - radio producer
 - record producer
 - stage director - performing arts
 - technical director - broadcasting
 - television producer

Exclusion(s)

- Managers - publishing, motion pictures, broadcasting and performing arts (0512)
- Photographers, graphic arts technicians and technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts (522)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Film, radio and television producers plan, organize and control the various stages and scheduling involved in the production of presentations, motion pictures, television shows and radio programs; engage directors and other production personnel and supervise all technical personnel, and determine the treatment, scope and scheduling of production; maintain production archives and negotiate royalties.
- Directors interpret scripts and direct the mise-en-scène; select and direct the actors, extras and technical crew; advise the cast and crew on the interpretation and delivery of the performance; direct rehearsals, filmings, broadcasts and performances; and confer with crew and specialists throughout production and post-production to achieve desired presentation.
- Choreographers create dances for film, theatre and television performances that convey stories, ideas and moods, and direct rehearsals for dancers to achieve desired interpretation.
- Art directors plan, organize and direct the artistic aspects of motion pictures, stage productions and television shows by overseeing the design of sets, costumes, furnishings and props to create portrayals of period and setting.
- Film editors edit motion picture film and arrange film segments into sequences to achieve continuity and desired dramatic, comedic and thematic effects.
- Record producers plan and co-ordinate the production of musical recordings, direct musicians and singers during rehearsals and recordings and manage technicians involved in duplicating, dubbing and mastering of recordings.
- Directors of photography co-ordinate and direct the photography of motion pictures, supervise camera operators and other crews and determine lighting, lenses, camera angles, backgrounds and other elements to achieve desired visual effect.

Employment requirements

Producers, directors and film editors

- A university degree or college diploma in the performing arts, broadcasting, journalism, business administration, theatre production or film studies
and
Experience in a technical or production occupation in motion pictures, broadcasting or theatre are usually required.

Choreographers

- A university degree or college diploma in dance, or a period of study at a school of dance
and
Extensive training with a dance company are usually required.

Record producers

- A university degree or college diploma in music or the recording arts
and
Experience in a technical or production occupation in the recording arts are usually required.

Directors of photography

- A university degree or college diploma in film studies or cinematography and Experience in camera operation or another technical occupation in video or motion picture production are usually required.

Demonstrated creative ability is required for all occupations in this unit group.

Additional information

- Membership in a related guild or union may be required.

5132 Conductors, composers and arrangers

This unit group includes those who conduct bands and orchestras, compose musical works and arrange instrumental and vocal compositions. They are employed by symphony and chamber orchestras, bands, choirs, sound recording companies, and orchestras for ballet and opera performances, or they may be self-employed.

Illustrative example(s)

- arranger
- bandmaster
- choir director
- composer
- conductor
- lyricist
- music adapter
- musical director
- orchestrator
- singer-songwriter-composer
- songwriter

Exclusion(s)

- Musicians and singers (5133)
- Producers, directors, choreographers and related occupations (5131)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Conductors select and interpret musical works and lead bands, orchestras and choirs during rehearsals and performances.
- Composers create musical compositions such as television and film scores, theme music, songs, symphonies and music for interactive products such as video games.
- Arrangers adapt and modify musical compositions to convey desired themes and to suit particular instrumental and vocal performances.

Conductors, composers and arrangers usually specialize in a particular type of music such as classical, country, jazz or popular.

Employment requirements

- A university degree in music or completion of a program at a music academy, conservatory or school of music is usually required.
- A period of specialized study related to conducting, composing or arranging is usually required.
- Experience as a musician is required.
- Musical and creative talent and ability, as demonstrated by a portfolio of work, are important hiring criteria.

Additional information

- Composers often work as arrangers.

5133 Musicians and singers

This unit group includes musicians, singers and teachers of vocal and instrumental music. Musicians and singers perform with orchestras, choirs, opera companies and popular bands in establishments such as concert halls, lounges and theatres and in film, television and recording studios. Music teachers teach in conservatories, academies and private homes.

Illustrative example(s)

- accompanist
- church organist
- guitar player
- instrumentalist
- music teacher - musicians
- musician
- opera singer
- percussionist
- recording artist
- rock singer
- singer
- vocalist

Exclusion(s)

- Conductors, composers and arrangers (5132)
- Elementary school music teachers (see 4032 Elementary school and kindergarten teachers)
- Professors of music (see 4011 University professors and lecturers)
- Secondary school music teachers (see 4031 Secondary school teachers)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Musicians play one or more instruments as soloists or as members of a musical group before audiences or for recording purposes.
- Singers sing musical arrangements as soloists or as members of vocal groups before audiences or for recording purposes.
- Teachers of music or voice teach technique, interpretation and music theory to students through private or group lessons.

Musicians and singers usually specialize in specific types of music such as classical, country, ethnic, jazz, opera or popular music.

Employment requirements

- Musical training from a university or college or through private instruction is usually required.
- Members of orchestras and other professional classical musicians and singers usually require a university degree in music.
- Musical talent and ability, as demonstrated during an audition, are important hiring criteria.
- Membership in a guild or union related to the occupation or type of performance may be required.

5134 Dancers

This unit group includes dancers and dance teachers. Dancers are employed by ballet and dance companies, television and film productions and night clubs and similar establishments. Dance teachers are employed by dance academies and dance schools.

Illustrative example(s)

- ballet dancer
- ballet teacher
- ballroom dancing teacher
- dance instructor

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- dancer
 - folkloric dancer
 - interpretative dancer
 - tap dancer

Exclusion(s)

- Choreographers (see 5131 Producers, directors, choreographers and related occupations)
- Other performers, n.e.c. (5232)

Main duties

Dancers perform some or all of the following duties:

- Practise and rehearse dance routines under direction or instruction to achieve desired interpretation and presentation
- Perform dances as soloists or as members of groups before live audiences or for film or television
- Train and exercise to maintain the required levels of ability and fitness
- May choreograph their own performances.

Dance teachers perform some or all of the following duties:

- Teach dance technique and artistic interpretation to amateur and professional individuals and groups
- Teach the techniques, cultural origins and symbolic meanings of Aboriginal, ethnic and folkloric dances
- Teach recreational dancing lessons such as ballroom dancing
- Prepare dance students for specific auditions and performances.

Dancers may specialize in specific types of dance such as ballet, ballroom, folk, jazz or modern.

Employment requirements

- A university degree or college diploma in dance or
Graduation from a private dance school or academy may be required.
- Talent and ability, as demonstrated during an audition, are important hiring criteria.
- Dance teachers usually require experience as dancers.
- Membership in a guild or union related to the occupation or type of performance may be required.

5135 Actors and comedians

Actors and comedians perform roles in motion picture, television, theatre and radio productions to entertain a variety of audiences. They are employed by motion picture, television, theatre and other production companies. This unit group includes acting teachers employed by private acting schools.

Illustrative example(s)

- acting teacher - private or studio
- actor/actress
- comedian
- drama teacher - private or studio
- narrator

Exclusion(s)

- Announcers and other broadcasters (5231)
- Dancers (5134)
- Drama professors (see 4011 University professors and lecturers)
- Musicians and singers (5133)
- Other performers, n.e.c. (5232)

Main duties

Actors and comedians perform some or all of the following duties:

- Study and rehearse lines, gestures and expressions to interpret a role

- Portray roles in video or motion picture productions, television shows, theatre productions, radio dramas, commercials and other productions or perform the narration
- Sing or dance as required by specific roles
- Perform comedy acts in nightclubs alone or as members of comedy troupes
- Improvise a role.

Acting teachers perform some or all of the following duties:

- Train students in interpretation of scripts, speech, movement, and dramatic theory
- Prepare acting students for specific auditions and performances.

Employment requirements

- Demonstrated ability, based on an audition or previous acting roles, is an important hiring criteria.
- Acting programs are offered at universities, colleges and private acting schools.
- Acting teachers usually require experience as actors.
- Membership in a guild or union may be required.

5136 Painters, sculptors and other visual artists

Painters, sculptors and other visual artists create original paintings, drawings, sculptures, engravings and other artistic works. They are usually self-employed. This group also includes art instructors and teachers, who are usually employed by art schools.

Illustrative example(s)

- art teacher (except primary, secondary and post-secondary education)
- artist
- artistic painter
- portrait painter
- sculptor
- silkscreen artist
- watercolourist

Exclusion(s)

- Artisans and craftspersons (5244)
- Art teachers (in 4011, 4021, 4031, 4032 - university, post-secondary, secondary and elementary education)
- Graphic designers and illustrators (5241)

Main duties

Painters, sculptors and other visual artists perform some or all of the following duties:

- Painters create drawings, paintings and other artwork using oils, pastels, watercolours, charcoal, ink and other media.
- Sculptors create sculptures, statues and other three-dimensional artwork by shaping, carving and working with materials such as clay, ice, paper, stone, wood or metal.
- Art instructors and teachers teach students the techniques and methods of drawing, painting, sculpting and other forms of artistic expression.

Employment requirements

- Creative ability and talent, as demonstrated by a portfolio of work, and knowledge of the safe use of materials, tools and equipment are required. Art programs are offered at universities, colleges and private art schools.
- A college diploma in fine arts techniques may be required.
- Art instructors and teachers may be required to have a university degree or college diploma in a field related to art.

52 Technical occupations in art, culture, recreation and sport

521 Technical occupations in libraries, public archives, museums and art galleries

5211 Library and public archive technicians

Library and public archive technicians assist users in accessing library or archive resources, assist in describing new acquisitions, participate in archive processing and storage, and conduct reference searches. They are employed by libraries and public archives.

Illustrative example(s)

- archive technician
- elementary school librarian
- high school librarian
- library technician
- secondary school librarian
- technical indexer - library

Exclusion(s)

- Archivists (5113)
- Librarians (5111)
- Library assistants and clerks (1451)
- Records management technicians (1253)

Main duties

Library technicians perform some or all of the following duties:

- Assist library users in accessing books, films, photographs, maps, documents, electronic materials and other library materials
- Catalogue new library acquisitions under the direction of a librarian
- Perform manual and on-line reference searches and make interlibrary loans for users
- Assist librarians in giving tours and providing children's and other specialized library programs.

Public archive technicians perform some or all of the following duties:

- Assist in developing inventories, forms and finding aids
- Implement and update classification plans and records scheduling and disposal plans
- Apply standards and policies for storage of records and archival materials
- Codify and classify archival materials
- Put archival materials on microfilm or in databases
- Transfer materials from current to semi-current status or put into permanent storage
- Purge, sort, reduce and sample archives
- Research and retrieve archival materials
- Participate in instructing and assisting users
- Ensure that proper procedures are followed in the use of computerized document management systems.

Employment requirements

- Library technicians usually require completion of a two- to three-year college program in library and information technology.
- Public archive technicians require completion of a college diploma or certificate program in archive and document management technology.

5212 Technical occupations related to museums and art galleries

This unit group includes workers who classify and catalogue museum artifacts and gallery works of art, construct and install exhibits and displays, restore, maintain and store museum and gallery collections, frame artwork, and perform other functions in support of curatorial and conservation activities. They are employed in museums and galleries. Picture framers and taxidermists may also be employed in retail settings or may be self-employed. This

unit group also includes museum and other interpreters who conduct guided tours. They are employed by art galleries, museums, parks, aquariums, zoos, interpretive centres, botanical gardens, cultural centres, nature sanctuaries, historic and heritage sites, and other locations.

Illustrative example(s)

- art gallery preparator
- conservation technician - museums and art galleries
- curatorial assistant
- heritage interpreter
- museology technician
- museum extension officer
- museum interpreter
- museum objects cataloguer
- museum registrar
- museum technician
- paintings restoration technician
- picture framer - museum and art gallery
- restoration technician - museum
- taxidermist

Exclusion(s)

- Assistant curators (see 5112 Conservators and curators)
- Museum exhibit designers (see 5243 Theatre, fashion, exhibit and other creative designers)
- Tour and travel guides (6531)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Conservation and restoration technicians assist in the restoration and conservation of artifacts under the direction of a conservator.
- Curatorial assistants assist in the research, handling and storage of artifacts.
- Museum interpreters conduct tours of museums, gallery exhibitions and historical, heritage and other sites, answer inquiries and provide information concerning exhibits or sites.
- Museum extension officers assist with the planning and development of travelling exhibitions and special events.
- Museology technicians protect and care for cultural artifacts and collections during exhibitions, while in transit and in storage.
- Museum registrars and cataloguers classify and assign registration numbers to artifacts and supervise inventory control.
- Preparators construct displays and dioramas, build models, install artifacts in displays and prepare artifacts for storage and shipping.
- Picture framers fabricate custom frames, measure and cut mats, mat enhancements and glass, and mount paintings, photographs and other art work.
- Taxidermists prepare and mount skins of birds or animals for preservation, scientific or display purposes.

Technical museum and gallery workers may specialize in a specific type of collection.

Employment requirements

- Registrars, cataloguers and interpreters may require a university degree in a field related to museum and gallery work.
- For other occupations in this unit group, completion of a college program in museum technology or conservation technology or
Other technical or on-the-job training programs related to the work are required.

Additional information

- Museum interpreters may require specific scientific or academic credentials for employment by some museums, nature centres or other sites.

522 Photographers, graphic arts technicians and technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts

5221 Photographers

Photographers operate still cameras to photograph people, events, scenes, materials, products and other subjects. Photographers are employed by photographic studios, newspapers, magazines, museums and government, or they may be self-employed.

Illustrative example(s)

- aerial photographer
- commercial photographer
- forensic photographer
- industrial photographer
- photographer
- photojournalist
- portrait photographer
- scientific photographer

Exclusion(s)

- Film and video camera operators (5222)

Main duties

Photographers perform some or all of the following duties:

- Study requirements of a particular assignment and decide on type of camera, film, lighting and background accessories to be used
- Determine picture composition, make technical adjustments to equipment and photograph subject
- May operate scanners to transfer photographic images to computers
- May operate computers to manipulate photographic images
- May adapt existing photographic images and create new digitized images to be included in multimedia/newmedia products
- May use delicate instruments, such as optical microscopes attached to cameras
- May process exposed film
- May use airbrush, computer or other techniques to retouch negatives
- Medical photographers may work closely with medical illustrators.

Photographers may specialize in areas such as portrait photography, commercial photography, scientific photography, forensic photography, medical photography, digitized photography, multimedia photography or photojournalism.

Employment requirements

- A bachelor's degree in visual arts with specialization in photography
or
Completion of specialized training in photography in high school, college or specialized training schools
or
Extensive on-the-job training under the supervision of a photographer is required.
- Experience in, or knowledge of computerized photography or digital imaging may be required.
- Creative and technical ability, as demonstrated by a portfolio of work, are required.

5222 Film and video camera operators

Film and video camera operators operate motion picture and video cameras and related equipment to record news, live events, films, videos and television broadcasts. They are employed by television networks and stations, motion picture and video production companies and in-house communications facilities of large corporations.

Illustrative example(s)

- assistant camera operator
- camera operator
- electronic news gathering (ENG) camera operator
- film camera operator
- motion picture camera operator
- studio camera operator
- television camera operator
- video camera operator

Exclusion(s)

- Audio and video recording technicians (5225)
- AV (audiovisual) assistants (see 5227 Support occupations in motion pictures, broadcasting, photography and the performing arts)
- Filmmakers and directors of photography (see 5131 Producers, directors, choreographers and related occupations)
- Photographers (5221)
- Video artists (see 5136 Painters, sculptors and other visual artists)
- Video transmission operators (see 5224 Broadcast technicians)

Main duties

Film and video camera operators perform some or all of the following duties:

- Meet with director and senior members of camera crew to discuss assignment and determine filming sequences, camera movements and picture composition
- Select and set up camera equipment to be used and attach lens, filters and film magazine to camera
- Adjust focus, exposure, lighting and other camera settings
- Operate film or video camera to record news, live events, films, videos and television broadcasts
- Label and record contents of exposed film, and complete report sheets
- Test, maintain and store equipment.

Employment requirements

- Completion of a college or technical program in broadcasting, audio-visual technology or a related field and Experience as an assistant camera operator are usually required.
- Creative and technical ability, as demonstrated by a portfolio of work and experience, may be required.

Additional information

- Progression to supervisory or director of photography positions is possible with additional training and experience.

5223 Graphic arts technicians

Graphic arts technicians assist in conceptualizing a project, interpreting design specifications or sketches, preparing the page make-up, lay-out and lettering, and preparing production materials for press, electronic or multimedia publishing. They are employed by publishing, communications, advertising, marketing, printing and multimedia establishments, and by television and film production companies. They may also be self-employed.

Illustrative example(s)

- animated cartoon technician
- animation painter
- computer graphics technician
- graphics technician
- multimedia graphic design technician

Exclusion(s)

- Camera, platemaking and other prepress occupations (9472)

- Correspondence, publication and regulatory clerks (1452)
- Desktop publishing specialists (see 1423 Desktop publishing operators and related occupations)
- Graphic designers and illustrators (5241)

Main duties

Graphic arts technicians perform some or all of the following duties:

- Review the graphic designer's instructions
- Produce or assist in developing and producing design concepts
- Capture elements such as titles, text, drawings, illustrations, graphics, lettering and colour harmonization, using a computer
- Produce computerized images and drawings
- Digitize images using peripherals and transform them using retouching systems, graphic palettes or specialized software
- Perform the layout, page make-up and placement using the conceptual mock-ups provided
- Produce proofs and camera-ready materials and prepare film and any other prepress materials
- Paint or ink individual cells of 2-D or 3-D animated drawings according to animator's specifications using an electronic palette
- Lay out, draw or paint letters, figures, logos and designs for windows, advertisements, billboards, vehicles, books and publications using specialized software or painting equipment
- Work in an interdisciplinary environment.

Employment requirements

- A college diploma in commercial or graphic arts, computer graphics or animated design is required.
- Experience or training in multimedia design at a post-secondary, college or technical institution may be required.
- Creative ability and artistic talent, as demonstrated by a portfolio of work, are required.

Additional information

- Progression to graphic designer positions is possible with experience or supplementary training.

5224 Broadcast technicians

Broadcast technicians install, set up, test, operate and repair electronic equipment used to record and transmit live and taped radio and television programs and to produce audio and video streaming broadcasts for the Internet. They are employed by radio and television broadcasting networks and stations, by broadcast equipment companies and by Internet-based communication providers.

Illustrative example(s)

- broadcast engineer
- broadcast technician
- broadcast transmitter operator
- broadcasting switcher
- master control room (MCR) equipment operator - broadcasting
- master control room (MCR) technician - broadcasting
- mobile broadcasting equipment operator
- regional transmitter technician
- short-wave receiving station technician
- video transmission operator

Exclusion(s)

- Audio and video recording technicians (5225)
- Film and video camera operators (5222)
- Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts (5226)

Main duties

Broadcast technicians perform some or all of the following duties:

- Monitor broadcast quality of live and taped radio and television programs
- Operate and monitor radio and television broadcasting systems to broadcast, receive signals and to regulate clarity and range of sounds and colours of recordings or broadcasts
- Operate broadcast equipment to produce audio and video streaming broadcasts for the Internet
- Make emergency repairs to equipment and substitute programs in case of signal failure
- Maintain, install and troubleshoot a wide variety of broadcast hardware and software
- Set up and operate consoles to pick up and select feed sources from different locations and to air radio or television programs and commercials
- May supervise other broadcast technicians.

Employment requirements

- Completion of a college program in broadcast technology or electronics is usually required.
- Senior and supervisory positions in this unit group require experience.

5225 Audio and video recording technicians

Audio and video recording technicians operate equipment to record, mix and edit sound, music and videotape, for motion pictures, television and radio programs, videos, recordings and live events. They are employed by multimedia companies, film, video and concert production companies, sound recording firms, theatre and dance companies, educational establishments, clubs, hotels, bands, radio stations, television networks and video production and editing companies.

Illustrative example(s)

- audiovisual (AV) technician
- multimedia sound technician
- postproduction technician
- radio technician
- recording engineer
- recording studio technician
- sound effects editor
- sound engineer
- sound mixer
- sound technician
- video and sound recorder
- video recording technician

Exclusion(s)

- Broadcast technicians (5224)
- Film and video camera operators (5222)
- Film editors (see 5131 Producers, directors, choreographers and related occupations)
- Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts (5226)
- Recording studio assistants (see 5227 Support occupations in motion pictures, broadcasting, photography and the performing arts)

Main duties

Audio and video recording technicians perform some or all of the following duties:

- Set up, prepare, operate and adjust audio, recording, editing and reproducing equipment to record, edit and reproduce sound input or feed of pre-recorded material from tapes, records, compact discs, digital audio devices, and input from live microphones, satellites or microwave trucks for films, videos, radio and television programs and recordings
- Prepare and operate videotape recording and playback equipment to record videos, television programs, concerts and live events, and to edit video tape after production

- Operate electronic equipment to generate program titles, credits, sub-titles, graphic backgrounds or animation for television programs
- Operate audio consoles or computers, tape machines, microphones and sound processing equipment to mix, combine and edit music and sound at concerts and live events
- Operate dubbing machines to play back edited dialogue, music and sound effect tracks from different sources, in synchronization with motion picture film
- May supervise and co-ordinate the work of other audio and video recording technicians.

Employment requirements

- Completion of a college or other program in recording engineering, audiovisual technology or a related field
or
Experience as a recording studio assistant is usually required.
- Senior occupations in this unit group, such as recording and sound engineers, require experience.

5226 Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts

This unit group includes a range of technical, co-ordinating and supervisory workers who co-ordinate and perform specific activities for television, radio and motion picture productions, news broadcasts, theatre and stage productions, and other live or recorded productions. They are employed by television and radio stations and networks, recording studios, motion picture and video production companies, concert promoters and theatre, stage and dance companies.

Illustrative example(s)

- costumier
- gaffer
- key grip
- lighting technician
- make-up artist - motion pictures, broadcasting and performing arts
- program co-ordinator - broadcasting
- property master - broadcasting
- settings shop foreman/woman
- special effects technician
- stage manager
- stunt co-ordinator
- theatre technician

Exclusion(s)

- Audio and video recording technicians (5225)
- Broadcast technicians (5224)
- Film and video camera operators (5222)
- Lighting designers (see 5243 Theatre, fashion, exhibit and other creative designers)
- Support occupations in motion pictures, broadcasting, photography and the performing arts (5227)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Floor managers co-ordinate the work of camera operators and other technical staff, and cue announcers, actors and performers during news broadcasts and television program tapings.
- Key grips supervise grips, gaffers and stagehands who rig, place, move and dismantle lights, sets, backdrops, scenery and other stage equipment.
- Gaffers and lighting technicians set up, operate and make repairs to lights and other electrical equipment in studios and on sets and stages.
- Stunt co-ordinators and special effects technicians design and co-ordinate special effects such as fires, explosions and crashes.
- Make-up artists apply cosmetic and special effects make-up on actors and other performers.

- Costumiers study scripts to determine the necessary costumes and oversee the acquisition, fitting and maintenance of costumes.
- Settings shop foremen and forewomen assist in preparing the construction specifications for sets.
- Property masters identify and list the necessary props and place them during rehearsals and performances.

Employment requirements

- For most occupations in this unit group, completion of a college or university program in broadcasting, theatre arts or a related field and several years of experience in a related support or assisting occupation in motion pictures, broadcasting or the performing arts are required.
- Floor managers require a portfolio of work.
- Make-up artists working in motion pictures, broadcasting and the performing arts may require a training program.
- Creative ability, as demonstrated by a portfolio of work, is required for make-up artists.
- For gaffers, lighting technicians, key grips and other stage technicians, completion of a college program or other specialized training program in technical production for theatre is required.
- Membership in a related union may be required.

Additional information

- There may be an overlap in duties among occupations in this unit group, depending on the size of the production or broadcasting studio.

5227 Support occupations in motion pictures, broadcasting, photography and the performing arts

This unit group includes workers who perform support duties related to broadcasting and to the production of motion pictures and the performing arts. They are employed by television and radio stations and networks, recording studios, motion picture and video production companies and by theatre and stage companies. This unit group also includes projectionists employed by movie theatres.

Illustrative example(s)

- boom grip
- camera crane operator
- dresser - motion pictures, broadcasting and performing arts
- lighting assistant
- production assistant
- projectionist
- prompter
- props person
- script assistant
- set builder
- special effects assistant
- spotlight operator
- stagehand

Exclusion(s)

- Audio and video recording technicians (5225)
- Broadcast technicians (5224)
- Film and video camera operators (5222)
- Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts (5226)

Main duties

The following is a summary of main duties for some occupations in this unit group:

-
- Camera crane operators set up, assemble, adjust, maintain and replace reels and projector equipment; detect and repair mechanical and electrical problems; and change and install an electronic control panel using automated equipment.
 - Production assistants provide support to the director and producer, and are responsible for various aspects of production such as preparing schedules, setting up equipment, and making travel arrangements to various shooting locations.
 - Motion picture projectionists check the condition of the copy; set up and load film reels on movie theatre projection systems, adjust focus, sound levels and other projector and theatre settings; and maintain projection equipment.
 - Props persons and set builders assemble, repair, place, build and oversee props.
 - Script assistants distribute scripts to actors; keep detailed notes of all actions, positions and camera angles; and photograph and date scenes.
 - Grips and riggers rig, place, move and dismantle sets, backdrops, scenery and other stage equipment.
 - Dressers clean, maintain, transport and store costumes, and assist performers to dress in costumes.

Employment requirements

- Completion of secondary school is usually required.
- Most occupations in this unit group require completion of college courses in broadcasting, theatre arts or a related field
or
A period of on-the-job training.
- Certification for projectionists is available, but voluntary, in New Brunswick. In Quebec, projectionists are regulated under operators of electrical machines, cinema equipment.
- Projectionists are required to be licensed by their province of employment.

Additional information

- There may be an overlap in duties among occupations in this unit group, depending on the size of the production or broadcasting studio.
- Progression to related technical occupations in motion pictures, broadcasting or the performing arts is possible with additional training or experience.

523 Announcers and other performers, n.e.c.

5231 Announcers and other broadcasters

Announcers and other broadcasters read news, sports, weather, commercial and public service messages and host entertainment and information programs for broadcast on radio or television. They are primarily employed by radio and television stations and networks and by commercial firms that produce advertisements for radio or television.

Illustrative example(s)

- announcer
- broadcaster
- disc jockey - broadcast
- news reader
- radio host/hostess
- sports announcer
- talk show host/hostess
- television host/hostess
- traffic reporter
- weather reporter

Exclusion(s)

- Broadcast journalists who prepare and present their own reports (see 5123 Journalists)
- Support occupations in motion pictures, broadcasting, photography and the performing arts (5227)

Main duties

Announcers and other broadcasters perform some or all of the following duties:

- Select and introduce music, videos and other entertainment material for broadcast, and make commercial and public service announcements
- Act as host/hostess or master of ceremonies, introduce and interview guests and conduct proceedings of shows or programs
- Read news, sports and weather for radio and television
- Report on weather conditions using information provided by weather forecasting services
- Report on traffic conditions by maintaining contact with external sources of information or by observing traffic from air or land vehicle
- May present own material or material prepared by others.

Employment requirements

- Completion of a college radio or television arts program is usually required.
- Practical training, such as work at a college radio station, may be required.
- Talent and ability, as demonstrated during an audition, are important hiring criteria.
- Membership in a guild or union related to the occupation or type of performance may be required.

Additional information

- Movement to occupations in journalism is possible for those with an educational background in journalism or a related field.

5232 Other performers, n.e.c.

This unit group includes circus performers, magicians, models, puppeteers and other performers not elsewhere classified. They are employed by circuses, nightclubs, and theatre, advertising and other production companies, or they may be self-employed.

Illustrative example(s)

- acrobat
- busker
- circus performer
- clown
- fashion model
- magician
- puppeteer
- ventriloquist

Exclusion(s)

- Actors and comedians (5135)
- Dancers (5134)
- Musicians and singers (5133)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Buskers entertain passers-by on sidewalks and in parks with magic tricks, juggling acts, short dramatic works, music and other entertaining displays.
- Circus performers such as trapeze artists, high-wire walkers, clowns and jugglers entertain audiences with thrilling and humorous acts.
- Magicians and illusionists perform sleight-of-hand tricks, disappearing acts and other illusions.
- Fashion models display clothing and merchandise in commercials, advertisements and fashion shows and pose for artists and photographers.
- Puppeteers operate puppets and marionettes.

Employment requirements

- Circus performers and acrobats may require a period of study at a circus school.

-
- Completion of modelling courses is usually required for models.
 - Training for other occupations in this unit group is often obtained under the guidance of a practitioner.
 - Talent and ability, as demonstrated during an audition, are important hiring criteria.
 - Membership in a guild or union related to the occupation or type of performance may be required.

Additional information

- There is little mobility between the different occupations in this unit group.

524 Creative designers and craftspersons

5241 Graphic designers and illustrators

Graphic designers conceptualize and produce graphic art and visual materials to effectively communicate information for publications, advertising, films, packaging, posters, signs and interactive media such as Web sites and CDs. They are employed by advertising and graphic design firms, by establishments with advertising or communications departments and by multimedia production companies, or they may be self-employed. Graphic designers who are also supervisors, project managers or consultants are included in this unit group. Illustrators conceptualize and create illustrations to represent information through images. They are almost solely self-employed.

Illustrative example(s)

- 3D animation artist
- advertising designer
- animator - animated films
- bank note designer
- cartoonist
- commercial artist
- graphic artist
- graphic designer
- graphic designer - multimedia
- illustrator
- layout designer
- medical illustrator
- multimedia illustrator
- scientific illustrator

Exclusion(s)

- Advertising managers (see 0124 Advertising, marketing and public relations managers)
- Graphic arts technicians (5223)
- Interior designers and interior decorators (5242)
- Painters, sculptors and other visual artists (5136)

Main duties

Graphic designers perform some or all of the following duties:

- Consult with clients to establish the overall look, graphic elements and content of communications materials in order to meet their needs
- Determine the medium best suited to produce the desired visual effect and the most appropriate vehicle for communication
- Develop the graphic elements that meet the clients' objectives
- Prepare sketches, layouts and graphic elements of the subjects to be rendered using traditional tools, multimedia software and image processing, layout and design software
- Estimate cost of materials and time to complete graphic design
- Use existing photo and illustration banks and typography guides or hire an illustrator or photographer to produce images that meet clients' communications needs
- Establish guidelines for illustrators or photographers

- Co-ordinate all aspects of production for print, audio-visual or electronic materials, such as Web sites, CDs and interactive terminals
- Co-ordinate sub-contracting
- Work in a multidisciplinary environment
- Supervise other graphic designers or graphic arts technicians.

Illustrators perform some or all of the following duties:

- Consult with clients to determine the nature and content of illustrations in order to meet their communications needs
- Develop and produce realistic or representational sketches and final illustrations, by hand or using computer-assisted design (CAD) software, for printed materials such as books, magazines, packaging, greeting cards and stationery
- Assist in developing storyboards for electronic productions such as multimedia, interactive and digital products and television advertising and productions
- Produce 2-D and 3-D animated drawings or computer illustrations
- May adapt existing illustrations.

Illustrators may specialize in a particular field such as illustrations for children, advertising, editorials, humour, or medical, scientific or technical illustration, or multimedia design.

Employment requirements

- A university degree in visual arts with specialization in graphic design, commercial art, graphic communications or cartooning
or
Completion of a college diploma program in graphic arts is required.
- Experience or training in multimedia design at a post-secondary, college or technical institution may be required.
- In addition to the arts, training in biology, engineering, architecture or a scientific field is usually required for medical, technical and scientific illustrators.
- Creative ability and artistic talent, as demonstrated by a portfolio of work, are required for graphic designers and illustrators.

Additional information

- Progression to management or senior design positions is possible with experience.
- The title "registered graphic designer" is recognized by law in Ontario.

5242 Interior designers and interior decorators

Interior designers and interior decorators conceptualize and produce aesthetic, functional and safe designs for interior spaces in residential, commercial, cultural, institutional and industrial buildings. They are employed by architectural and interior design firms, retail establishments, construction companies, hospitals, airlines, hotel and restaurant chains, and other establishments, or they may be self-employed.

Illustrative example(s)

- aircraft interior designer
- interior decorator
- interior design technician
- interior designer
- kitchen designer
- office space planner
- project manager, interior design
- retail space planner

Exclusion(s)

- Graphic designers and illustrators (5241)
- Industrial designers (2252)
- Lighting designers (see 5243 Theatre, fashion, exhibit and other creative designers)
- Painters and decorators (except interior decorators) (7294)

-
- Theatre, fashion, exhibit and other creative designers (5243)

Main duties

Interior designers and interior decorators perform some or all of the following duties:

- Consult with clients to determine needs, preferences, safety requirements and purpose of space
- Develop detailed plans and 3-D models showing arrangement of walls, dividers, displays, lighting and other fixtures using computer-assisted design (CAD) software and graphics software
- Develop plans, elevations, cross sections and detailed drawings, and advise on selection of colours, finishes and materials, floor and wall coverings, window treatments, interior and exterior lighting, furniture and other items, taking into account ergonomic and occupational health standards
- Estimate costs and materials required and may advise on leasing, real estate and marketing
- Prepare plans and specifications for the final interior designs in accordance with current practices and codes
- Work in a multidisciplinary environment
- May direct site work crews and subcontractors.

Interior designers are experts in the area of interior architecture, construction materials and building codes. They may specialize in designing interiors for residential, commercial, institutional, cultural and industrial buildings and for aircraft, ships or trains, trade shows and exhibitions. Interior decorators may specialize in decorating residential or commercial interior spaces, home staging, colour consulting and home organizing.

Employment requirements

Interior designers

- A university degree or college diploma in interior design is usually required.
- The National Council for Interior Design Qualification (NCIDQ) examination may be required after six years of combined study and experience.
- Certification by a provincial institute or association is required to use the designation Interior Design Consultant (IDC) in Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

Interior decorators

- A college certificate or diploma in interior decoration is usually required.
- Membership in the Canadian Decorators' Association is available to qualified decorators.

5243 Theatre, fashion, exhibit and other creative designers

Designers in this unit group conceptualize and produce designs for film, television, theatre and video productions, garments and textiles, displays and exhibits, and for other creative items such as jewellery and trophies. Theatre designers are employed by performing arts and broadcasting companies and by festivals; fashion designers are employed by clothing and textiles companies or may be self-employed; and exhibit designers are employed by museums and retail establishments. Other creative designers in this unit group are employed by manufacturing establishments or may be self-employed.

Illustrative example(s)

- clothing designer
- costume designer
- couturier - haute couture
- display designer
- fabric designer
- fashion designer
- fur designer
- jewellery designer
- lighting designer
- museum exhibit designer
- shoe designer
- trophy designer
- window display designer

Exclusion(s)

- Diorama makers - museums and galleries (see 5212 Technical occupations related to museums and art galleries)
- Graphic designers and illustrators (5241)
- Industrial designers (2252)
- Interior designers and interior decorators (5242)
- Patternmakers - textile, leather and fur products (5245)
- Tailors, dressmakers, furriers and milliners (6342)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Theatre designers design and create settings, scenic environments, properties, costumes and lighting for theatre, film and video productions, operas and ballets.
- Fashion designers design and create clothing and accessories for men, women and children.
- Exhibit designers plan and develop permanent and temporary or moveable exhibits and displays for museum exhibitions, trade shows, conventions, retail spaces and other exhibitions.

Theatre designers may specialize in costume, lighting or set design; fashion designers may specialize in men's, women's or children's apparel or in different lines such as sportswear, footwear or formal wear.

Employment requirements

- A university degree in fine arts or visual arts with specialization in theatre design, clothing design or exhibit design
or
Completion of a college or art school program in theatre design, clothing design or exhibit design is required.
- Creative ability, as demonstrated by a portfolio of work, is required.
- Use of computer-aided design (CAD) software may be required.

Additional information

- Designers may advance to supervisory and management positions.

5244 Artisans and craftspersons

This unit group includes those who use manual and artistic skills to design and make ornamental objects, pottery, stained glass, jewellery, rugs, blankets, other handicrafts and artistic floral arrangements. Makers of musical instruments are also included in this unit group. Most craftspersons are self-employed. Artistic floral arrangers are usually employed in florist shops and floral departments of retail establishments, or may be self-employed. Craft instructors are also included in this unit group and are employed by artisan guilds, colleges, private studios and recreational organizations.

Illustrative example(s)

- artistic floral arranger
- carver
- craft instructor (except education)
- craftsperson
- glass blower
- lace weaver - arts and crafts
- leather worker
- metal arts worker
- potter
- screen printing artisan
- silversmith
- stained glass artist
- stringed instrument maker
- totem pole carver
- weaver - arts and crafts

Exclusion(s)

- Cabinetmakers (7272)
- Fabric-making occupations in manufacturing (see 9442 Weavers, knitters and other fabric making occupations)
- Jewellers, jewellery and watch repairers and related occupations (6344)
- Painters, sculptors and other visual artists (5136)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Carvers use hand tools and woodworking machines to produce carvings from wood, stone and other materials and to carve ornamental designs into wooden furniture and other objects.
- Glass blowers design and create glass objects using blowpipes and artisan's hand tools and equipment.
- Metal arts workers design metal jewellery, utensils, implements, wall hangings and other objects and create them from gold, silver, copper, pewter and other metals.
- Potters design ornamental and ceramic functional earthenware pieces and create them using clay, moulds, potter's wheels and other equipment, glazing materials and kilns.
- Stained glass artists design stained glass windows, lampshades and other objects and cut, paint, fire and assemble pieces of stained glass to create such products.
- Instrument makers construct instruments applying their knowledge of wood, ebonite, metal properties and other materials and instrument design using hand and power tools.
- Weavers use hands or loom to interlace strips of flexible material such as wool, cotton, silk, grasses, bark and rawhide to make baskets, wreaths, wall hangings, clothing, rugs, blankets and other objects.
- Craft instructors prepare craftmaking lessons, gather the required working materials and demonstrate and teach craftmaking techniques.
- Artistic floral arrangers design bouquets, corsages, sprays, wreaths and other floral arrangements and select natural and artificial flowers, foliage and decorative accessories to create arrangements or other floral items to suit customers' requirements.

Employment requirements

- Skills are often learned through apprenticeship with a master craftsman.
- Training programs are offered by artisan guilds, colleges and private studios.
- Creative ability and talent, as demonstrated by a portfolio of work, and knowledge of safe handling of material, tools and equipment are required.
- A college diploma in fine craft techniques may be required.

5245 Patternmakers - textile, leather and fur products

Patternmakers in this unit group create master patterns for the production of garments, footwear and other textile, leather or fur products. They are employed by pattern manufacturers, textile, leather or fur products manufacturers, or they may be self-employed.

Illustrative example(s)

- dress patternmaker
- embroidery patternmaker
- fur garment patternmaker
- garment patternmaker
- leather products patternmaker
- shoe patternmaker
- textile products patternmaker

Exclusion(s)

- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

Main duties

Patternmakers in this unit group perform some or all of the following duties:

-
- Examine sketches, samples of articles and specifications of designs to determine number, size and shape of pattern parts and assess the amount of cloth required to make a product
 - Draw, lay out and cut master patterns of products
 - Outline parts of patterns on paper and mark patterns to indicate details such as the placement of pockets and pleats on garments, decorative stitching on shoe parts or eyelets on canvas products
 - Create pattern size variations from master patterns using computer or drafting instruments, or forward patterns to computer operator to create pattern size variations
 - Lay out master patterns on fabric and cut sample patterns
 - Mark size, identification, style and sewing instructions on sample patterns.

Employment requirements

- Completion of secondary school is required.
- College courses in design and patternmaking
or
One to two years of on-the-job training are required.
- Courses in computer-assisted patternmaking may be required.

Additional information

- Progression to supervisory positions is possible with experience.

525 Athletes, coaches, referees and related occupations

5251 Athletes

Athletes participate in competitive sports events on an amateur or professional basis. They play team sports such as hockey, baseball, football and lacrosse; or compete in individual sports such as skiing, figure skating, boxing or track and field; or in games such as poker or chess. Athletes are employed by professional team organizations or they may be self-employed. This unit group also includes competitors such as chess players and poker players.

Illustrative example(s)

- athlete
- baseball player
- boxer
- figure skater
- football player
- golfer
- harness race driver
- hockey player
- jockey
- professional athlete
- skier
- sprinter
- track athlete

Exclusion(s)

- Coaches (5252)
- Sports instructors (see 5254 Program leaders and instructors in recreation, sport and fitness)
- Sports officials and referees (5253)

Main duties

Athletes perform some or all of the following duties:

- Train under the direction of a coach or trainer to qualify for competition
- Attend scheduled practice and training sessions
- Participate in local, regional, provincial, national or international competitions and sporting events
- Assess performance after an event to identify strengths and weaknesses.

Employment requirements

- Demonstrated ability in a particular sport, or type of game, is required.
- Extensive training under the supervision of a coach is required.
- Certification with a particular sports federation may be required.
- A background combining athletic training and college or university studies is strongly recommended.

5252 Coaches

Coaches prepare and train individual athletes or teams for competitive events. They are employed by national and provincial sports organizations, professional and amateur sports teams, sports clubs and universities or they may be self-employed. This unit group also includes sports scouts who identify and recruit athletes for professional sports teams. They are employed by professional sports organizations.

Illustrative example(s)

- coach
- figure skating coach
- football scout
- gymnastics coach
- head coach
- hockey coach
- hockey scout
- national team coach
- soccer coach
- sports scout
- swimming coach
- volleyball coach

Exclusion(s)

- Athletes (5251)
- Athletic therapists (see 3144 Other professional occupations in therapy and assessment)
- Program leaders and instructors in recreation, sport and fitness (5254)
- Sports officials and referees (5253)

Main duties

Coaches perform some or all of the following duties:

- Identify strengths and weaknesses of athletes or teams
- Plan, develop and implement training and practice sessions
- Nurture and develop athletes' potential skills and abilities
- Develop, plan and co-ordinate competitive schedules and programs
- Motivate and prepare athletes or teams for competitive events or games
- Formulate competitive strategies, develop game plans and direct athletes and players during games or athletic events
- Analyse and evaluate athletes' or teams' performances and modify training programs.

Sports scouts perform some or all of the following duties:

- Identify and recruit developing athletes for professional sports teams
- Observe and evaluate prospective athletes' skills and performance, and review their past records
- File reports on scouting assessments and recommendations with professional team employers.

*Employment requirements***Coaches**

- Completion of the National Coaching Certificate program is usually required for individual and team sports coaches in all sports.
- National Coaching Certificate Level 3 is usually required for provincial coaches.
- National Coaching Certificate Level 4 is usually required for coaches of national team athletes.
- A degree in physical education may be required.

-
- Experience in and technical knowledge of the sport is required.

Sports scouts

- Experience in and technical knowledge of the sport is required.

5253 Sports officials and referees

Sports officials and referees observe and enforce rules and regulations governing sporting events, athletic games and sports competitions. They are employed by national, provincial and local sporting commissions, organizations and leagues.

Illustrative example(s)

- athletics judge
- clerk of the course - racetrack
- figure skating judge
- goal judge
- harness racing starter
- racetrack timer
- referee
- sports linesman/woman
- sports official
- umpire

Exclusion(s)

- Coaches (5252)
- Program leaders and instructors in recreation, sport and fitness (5254)

Main duties

Sports officials and referees perform some or all of the following duties:

- Officiate at sporting events or athletic competitions to maintain standards of play and to ensure that game rules and safety regulations are observed
- Record elapsed time and keep scores during events or competitions
- Judge the performance of competitors, award points, impose penalties for infractions and determine results
- Compile scores and other athletic records
- Establish and maintain rapport with coaches, players and organizing committees
- Verify credentials of athletes or animals engaged in sports or related special events, and respond to written protests.

Employment requirements

- Sports officials require certification by and registration with a sport governing body or commission.
- Sports referees require completion of an officiating program offered by a sport governing body.

5254 Program leaders and instructors in recreation, sport and fitness

Program leaders and instructors in recreation, sport and fitness lead and instruct groups and individuals in recreational, sports, fitness or athletic programs. They are employed by community centres, sports and fitness clubs, outdoor centres, resorts, recreational facilities, health care facilities, retirement homes, correctional institutions, government departments, private businesses, tourism associations and similar establishments.

Illustrative example(s)

- aerobics instructor
- camp counsellor
- certified personal trainer
- day camp leader
- fitness appraiser
- fitness instructor

-
- gymnastics teacher
 - lifeguard
 - personal trainer
 - playground worker
 - recreation program leader
 - recreation technician
 - riding instructor
 - ski instructor
 - ski patrol
 - swimming instructor - sports

Exclusion(s)

- Other instructors (4216)
- Recreation and sports supervisors (see 4167 Recreation, sports and fitness policy researchers, consultants and program officers)
- Recreation, sports and fitness program and service directors (0513)

Main duties

Program leaders and instructors in recreation, sport and fitness perform some or all of the following duties:

- Plan and carry out recreational, athletic, fitness and sports activities
- Assemble supplies and sports and game equipment
- Demonstrate and instruct athletic, fitness or sports activities and techniques
- Instruct groups and individuals in arts, crafts and similar activities and lead groups and individuals in recreational or leisure programs
- Attend to clients with special needs
- Provide lifestyle awareness information
- Conduct therapeutic recreational or athletic activities
- Monitor recreational, sports or fitness activities to ensure safety and provide emergency or first aid assistance when required
- Enforce safety rules and regulations
- Assist with co-ordination of special events
- Schedule activities, keep logs, maintain records and prepare reports
- May train and supervise staff
- May maintain and repair sports equipment.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a college program in recreation or physical education or extensive experience in a specific recreational or sports program activity is usually required.
- Certification is usually required in a specific area of recreational, sports or fitness activity, such as ski instructor or personal trainer, or in first aid or emergency care.
- Demonstrated ability in a particular recreational, sports or fitness discipline is required.
- Fitness appraiser certification may be required for fitness appraisers.

6 Sales and service occupations

62 Retail sales supervisors and specialized sales occupations

621 Retail sales supervisors

6211 Retail sales supervisors

Retail sales supervisors supervise and co-ordinate the activities of workers in the following unit groups: *Retail Salespersons and Sales Clerks* (6421), *Cashiers* (6611), *Grocery Clerks and Store Shelf Stockers* (6622) and *Other Elemental Sales Occupations* (6623). They are employed by stores and other retail businesses, wholesale businesses that sell on a retail basis to the public, rental service establishments and businesses involved in door-to-door soliciting and telemarketing.

Illustrative example(s)

- department store supervisor
- head cashier
- liquor store supervisor
- produce department supervisor
- rental service supervisor
- route supervisor, retail sales
- telemarketing supervisor

Exclusion(s)

- Retail and wholesale trade managers (0621)
- Service supervisors (631)
- Supervisors of technical salespersons (see 6221 Technical sales specialists - wholesale trade)

Main duties

Retail sales supervisors perform some or all of the following duties:

- Supervise and co-ordinate sales staff and cashiers
- Assign sales workers to duties and prepare work schedules
- Authorize payments by cheque and the return of merchandise
- Sell merchandise to customers
- Resolve problems that arise, such as customer complaints and supply shortages
- Maintain specified inventory and order merchandise
- Prepare reports regarding sales volumes, merchandising and personnel matters
- Hire and train or arrange for the training of new sales staff.

Employment requirements

- Completion of secondary school is usually required.
- Previous retail sales experience as a retail salesperson or sales clerk, cashier, telemarketer, door-to-door salesperson or rental agent is required.

Additional information

- Progression to management positions in retail trade is possible with additional training or experience.

622 Technical sales specialists in wholesale trade and retail and wholesale buyers

6221 Technical sales specialists - wholesale trade

Technical sales specialists, wholesale trade, sell a range of technical goods and services, such as scientific, agricultural and industrial products, electricity, telecommunications services and computer services, to governments and to commercial and industrial establishments in domestic and international localities. They are employed by establishments that produce or provide technical goods and services, such as pharmaceutical companies, industrial

equipment manufacturing companies, grain elevators, computer services firms, engineering firms and hydroelectric companies, or they may be self-employed technical sales specialists/agents who contract their services to other companies. Technical sales specialists who are supervisors are included in this unit group.

Illustrative example(s)

- aircraft sales representative
- communication equipment sales representative
- construction equipment sales representative
- electricity sales representative
- grain elevator district manager
- grain elevator operator
- heavy equipment sales representative
- industrial supplies sales representative
- medical instruments sales agent
- sales engineer, technical support
- software sales representative
- technical sales representative
- technical sales supervisor
- technical support specialist - wholesale trade

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Retail salespersons (6421)
- Sales and account representatives - wholesale trade (non-technical) (6411)

Main duties

Technical sales specialists perform some or all of the following duties:

- Promote sales to existing clients
- Identify and solicit potential clients
- Assess clients' needs and resources and recommend the appropriate goods or services
- Provide input into product design where goods or services must be tailored to suit clients' needs
- Develop reports and proposals as part of sales presentation to illustrate benefits from use of good or service
- Estimate costs of installing and maintaining equipment or service
- Prepare and administer sales contracts
- Consult with clients after sale to resolve problems and to provide ongoing support
- Troubleshoot technical problems related to equipment
- May train customers' staff in the operation and maintenance of equipment
- May conduct sales transactions through Internet-based electronic commerce
- May supervise the activities of other technical staff and sales specialists.

Technical sales specialists usually specialize in a particular line of goods or services.

Employment requirements

- A university degree or college diploma in a program related to the product or service is usually required.
- Experience in sales or in a technical occupation related to the product or service may be required.
- Fluency in a specific foreign language, and/or foreign work or travel experience may be required for technical sales specialists seeking employment with companies that import or export technical goods or services.
- Technical sales supervisors require experience as a technical sales specialist.

Additional information

- Extensive company training programs for technical sales specialists may be provided by employers.
- Progression to sales management positions is possible with additional training or experience.

6222 Retail and wholesale buyers

Retail and wholesale buyers buy merchandise for resale by retail or wholesale establishments and are usually responsible for the merchandising operations of retail or wholesale establishments. Retail and wholesale buyers who are supervisors and those who are assistants are included in this unit group.

Illustrative example(s)

- appliance buyer
- assistant buyer
- buyer - retail
- buyer - wholesale
- chief buyer
- clothing buyer
- food buyer
- merchandiser
- produce buyer
- taster and buyer, beverages

Exclusion(s)

- Purchasing agents and officers (1225)

Main duties

Retail and wholesale buyers perform some or all of the following duties:

- Purchase merchandise for resale by retail or wholesale establishments
- Review requirements of establishment and determine quantity and type of merchandise to purchase
- Study market reports, trade periodicals and sales promotion materials and visit trade shows, showrooms, factories and product design events
- Select the merchandise which best fits the establishment's requirements
- Interview suppliers and negotiate prices, discounts, credit terms and transportation arrangements
- Oversee distribution of merchandise to outlets and maintain adequate stock levels
- Establish and maintain contact with suppliers
- May supervise the work of other retail buyers.

Retail and wholesale buyers may specialize in a particular merchandise line.

Employment requirements

- Completion of secondary school is required.
- A university degree or college diploma in business, marketing or a related program is usually required.
- Previous work experience in retail or wholesale establishments is usually required.
- Supervisors and senior buyers require experience in the occupation supervised or in a particular merchandise line.

Additional information

- Retail and wholesale buyers may specialize through experience or product-related training courses.
- Progression to management positions in retail trade, sales, marketing or advertising is possible with additional training or experience.

623 Insurance, real estate and financial sales occupations

6231 Insurance agents and brokers

Insurance agents and brokers sell life, automobile, property, health and other types of insurance to individuals, businesses and public institutions. Insurance agents are employed by individual insurance companies or are independent representatives of specific insurance companies. Insurance brokers are employed by brokerage firms, or may work in partnerships or hold sole proprietorship. Supervisors of insurance agents are included in this unit group.

Illustrative example(s)

- insurance agent
- insurance broker
- insurance sales representative
- insurance sales supervisor

Exclusion(s)

- Insurance managers (see 0121 Insurance, real estate and financial brokerage managers)
- Insurance underwriters (1313)
- Supervisors, finance and insurance office workers (1212)

Main duties

Insurance agents and brokers perform some or all of the following duties:

- Sell automobile, fire, health, life, property, marine, aircraft and other types of insurance to clients
- Establish client insurance coverage, calculate premiums and establish method of payment
- Provide information concerning group and individual insurance packages, the range of risk coverage, benefits paid and other policy features
- Ensure appropriate forms, medical examinations and other policy requirements are completed
- Monitor insurance claims and respond to clients' enquiries
- Identify and solicit potential clientele.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training and insurance industry courses and training programs are provided and are required for employment.
- Licensure by the insurance governing body in the province or territory of employment is required.

Additional information

- Progression to insurance management positions is possible through experience.
- Completion of educational programs through the Insurance Institute of Canada or its provincial counterpart entitles agents to professional recognition as an Associate of the Insurance Institute of Canada (A.I.I.C.) or Fellow of the Insurance Institute of Canada (F.I.I.C.).
- Completion of educational courses through the Canadian Association of Insurance and Financial Advisors allows for various levels of professional designations for insurance and financial advisors.

6232 Real estate agents and salespersons

Real estate agents and salespersons act as agents for the sale or purchase of houses, apartments, commercial buildings, land and other real estate and are employed in the real estate industry.

Illustrative example(s)

- commercial real estate agent
- real estate agent
- real estate broker
- real estate sales representative
- residential real estate agent
- supervisor, real estate agents

Exclusion(s)

- Assessors, valuers and appraisers (1314)
- Insurance, real estate and financial brokerage managers (0121)
- Mortgage brokers (see 1114 Other financial officers)
- Rental agents (see 1224 Property administrators)
- Right-of-way agents (see 1225 Purchasing agents and officers)

Main duties

Real estate agents and salespersons perform some or all of the following duties:

- Solicit property sales listings from prospective vendors
- Assist vendors in selling property by establishing asking price, advertising the property, listing the property with listing services and conducting open houses for prospective buyers
- Assist prospective buyers in selecting, visiting, inspecting and making offers of purchase on real estate properties
- Advise clients on market conditions, prices, mortgages, legal requirements and related matters
- Draw up sales agreements for approval of purchaser and seller
- May rent or lease properties on behalf of clients.

Real estate agents and salespersons may specialize in residential, commercial, industrial/institutional or rural real estate sales.

Employment requirements

- Completion of secondary school is required.
- Completion of a real estate training course is required.
- Provincial or territorial licensure in the province or territory of employment is required.

Additional information

- Real estate agents and salespersons normally work on a commission basis.
- Real estate agents may operate independently by obtaining a broker's licence in accordance with the regulations of the province of employment. A broker's licence is required to become a manager in real estate.

6235 Financial sales representatives

Financial sales representatives sell basic deposit, investment and loan products and services to individuals and businesses. They work in banks, credit unions, trust companies and similar financial institutions.

Illustrative example(s)

- credit officer
- financial services officer
- financial services representative
- loan officer
- mortgage officer
- sales associate - personal banking

Exclusion(s)

- Banking, insurance and other financial clerks (1434)
- Credit and loan managers (see 0122 Banking, credit and other investment managers)
- Customer services representatives - financial institutions (6551)
- Other financial officers (1114)

Main duties

Financial sales representatives perform some or all of the following duties:

- Open new personal and non-personal accounts, and provide access to automated banking machine, telephone banking and online banking services
- Interview applicants for personal, mortgage, student and business loans
- Promote the sale of deposit, investment, credit and loan products and services
- Assist clients by proposing solutions to address financial objectives such as business expansion, debt management, investment and other financial goals
- Research and evaluate loan applicant's financial status, references, credit and ability to repay the loan
- Complete credit and loan documentation

- Submit credit and loan applications to branch or credit manager with recommendations for approval or rejection; or approve or reject applications within authorized limits ensuring that credit standards of the institution are respected
- Prepare statements on delinquent accounts and forward irreconcilable accounts for collector action
- Review and update credit and loan files
- Act as joint custodian for cash and securities.

Employment requirements

- Completion of secondary school and extensive general banking experience is usually required.
- A bachelor's degree or college diploma related to commerce or economics may be required.
- A mutual funds license is usually required.
- Registration with the securities regulatory authority in the province or territory of employment is usually required.
- Completion of a loan or credit training program, ranging from six to twelve months, is usually required.
- Various training programs and courses are offered by the Institute of Canadian Bankers and may be required by employers.
- Financial services officers who sell regulated financial products and investments are required to be licensed by the appropriate governing body.

Additional information

- Progression to higher levels of financial planning and wealth management is possible with experience.
- Progression to credit and loan management positions is possible with experience.

63 Service supervisors and specialized service occupations

631 Service supervisors

6311 Food service supervisors

Food service supervisors, supervise, direct and co-ordinate the activities of workers who prepare, portion and serve food. They are employed by hospitals and other health care establishments and by cafeterias, catering companies and other food service establishments.

Illustrative example(s)

- cafeteria supervisor
- canteen supervisor
- catering supervisor
- food service supervisor

Exclusion(s)

- Banquet captains (see 6513 Food and beverage servers)
- Maîtres d'hôtel and hosts/hostesses (6511)
- Restaurant and food service managers (0631)

Main duties

Food service supervisors perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of staff who prepare, portion and serve food
- Estimate and order ingredients and supplies required for meal preparation
- Prepare food order summaries for chef according to requests from dieticians, patients in hospitals or other customers
- Establish methods to meet work schedules
- Maintain records of stock, repairs, sales and wastage
- Train staff in job duties, and sanitation and safety procedures
- Supervise and check assembly of regular and special diet trays and delivery of food trolleys to hospital patients
- Ensure that food and service meet quality control standards

- May participate in the selection of food service staff and assist in the development of policies, procedures and budgets
- May plan cafeteria menus and determine related food and labour costs.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a community college program in food service administration, hotel and restaurant management or related discipline
or
Several years of experience in food preparation or service are required.

6312 Executive housekeepers

Executive housekeepers direct and control the operations of housekeeping departments within hotels, hospitals and other establishments.

Illustrative example(s)

- assistant executive housekeeper
- executive housekeeper
- hospital executive housekeeper
- hotel executive housekeeper
- housekeeping director
- housekeeping manager

Exclusion(s)

- Accommodation service managers (0632)
- Facility operation and maintenance managers (0714)
- Housekeeping supervisors (see 6315 Cleaning supervisors)

Main duties

Executive housekeepers perform some or all of the following duties:

- Establish and implement operational procedures for the housekeeping department
- Plan and co-ordinate the activities of housekeeping supervisors and their crews
- Co-ordinate the inspection of assigned areas to ensure that health regulations, safety standards and departmental policies are being met
- Select and purchase equipment and supplies, and maintain inventory
- Arrange for maintenance and repair of equipment and machinery
- Hire, train and supervise housekeeping staff
- Maintain financial records and prepare budgets, payroll and employee schedules.

Employment requirements

- Completion of secondary school is usually required.
- A university degree or college diploma in hospital management, hotel management or business administration is usually required.
- Extensive experience as a cleaning supervisor may substitute for formal education requirements.

6313 Accommodation, travel, tourism and related services supervisors

Supervisors in this unit group supervise and co-ordinate the activities of hotel accommodation service clerks, casino workers, reservation clerks and other travel and accommodations workers not elsewhere classified. They are employed by service establishments throughout the public and private sectors.

Illustrative example(s)

- dealers supervisor, casino
- hotel clerk supervisor
- reservations supervisor

- tour guide supervisor
- travel clerk supervisor

Exclusion(s)

- Accommodation service managers (0632)
- Food service supervisors (6311)

Main duties

Accommodation, travel, tourism and related services supervisors perform some or all of the following duties:

- Co-ordinate, assign and review the work of hotel, motel and other accommodation services clerks, casino workers, reservation clerks and other travel and accommodations workers not elsewhere classified
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Hire and train staff in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems, equipment and machinery, and arrange for maintenance and repair work
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college courses related to the area supervised may be required.
- Experience in the occupation supervised is usually required.

Additional information

- Progression to managerial positions is possible with additional training or experience.

6314 Customer and information services supervisors

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Customer Service Representatives - Financial Institutions* (6551) and *Other Customer and Information Services Representatives* (6552). They are employed by banks, trust companies, credit unions and similar financial institutions, retail establishments, contact centres, insurance, telephone and utility companies and other establishments throughout the private and public sectors.

Illustrative example(s)

- contact centre supervisor
- current accounts supervisor
- customer service representatives supervisor - financial services
- customer service supervisor (except financial services)
- information clerks supervisor
- supervisor, call centre agents

Exclusion(s)

- Banking, credit and other investment managers (0122)
- Other business services managers (0125)
- Retail and wholesale trade managers (0621)
- Retail sales supervisors (6211)
- Supervisors, finance and insurance office workers (1212)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of clerks engaged in the following duties: providing information and customer service; and serving customers in banks, trust companies and other financial institutions
- Examine and verify accuracy of work and authorize routine deposits and withdrawals
- Establish work schedules and procedures and co-ordinate activities with other work units or departments

-
- Resolve work-related problems and prepare and submit progress and other reports
 - Identify training needs and train workers in job duties and company policies
 - Requisition supplies and materials
 - Ensure smooth operation of computer systems and equipment and arrange for maintenance and repair work
 - May perform the same duties as workers supervised.

Employment requirements

- Experience in the occupation supervised is required.
- Completion of college or industry courses related to bookkeeping and customer services may be required.

6315 Cleaning supervisors

Cleaning supervisors supervise and co-ordinate the activities of workers in the following unit groups: *Light Duty Cleaners* (6731), *Specialized Cleaners* (6732), and *Janitors, Caretakers and Building Superintendents* (6733). Cleaning supervisors are employed by hospitals and other health care institutions, hotels, motels, schools and other educational institutions, commercial and industrial establishments, home and office cleaning establishments and by various specialized cleaning companies.

Illustrative example(s)

- building cleaning supervisor
- carpet cleaning supervisor
- cleaning supervisor
- head custodian
- housekeeping supervisor
- window washing supervisor

Exclusion(s)

- Building maintenance supervisors (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Executive housekeepers (6312)
- Specialized cleaners (6732)

Main duties

Cleaning supervisors perform some or all of the following duties:

- Supervise and co-ordinate the work of light duty, industrial or specialized cleaners and janitors
- Inspect sites or facilities to ensure established safety and cleanliness standards are met
- Recommend or arrange for additional services required such as painting, repair work, renovations or replacement of furnishings and equipment
- Hire and train cleaning staff
- Prepare work schedule and co-ordinate activities with those of other departments
- Prepare budget, estimate costs and keep financial records
- Receive payment for specialized cleaning jobs
- May perform certain cleaning duties.

Employment requirements

- Completion of secondary school is usually required.
- Previous experience in a particular area of cleaning is usually required.
- Previous supervisory experience may be required.

6316 Other services supervisors

Supervisors in this unit group supervise and co-ordinate the activities of dry cleaning, laundry, ironing, pressing and finishing workers, theatre ushers and attendants, sports and recreation club workers, commissionaires, security guards and other service workers not elsewhere classified. They are employed by service establishments throughout the public and private sectors.

Illustrative example(s)

- campground supervisor
- dry cleaning supervisor
- foreman/woman - laundry and dry cleaning
- laundry supervisor
- parking lot supervisor
- production supervisor, dry cleaning
- supervisor, clubhouse attendants
- supervisor, commissionaires
- supervisor, security guards
- supervisor, ski lift attendants
- supervisor, theatre attendants
- supervisor, ticket takers

Exclusion(s)

- Cleaning supervisors (6315)
- Executive housekeepers (6312)
- Managers in customer and personal services, n.e.c. (0651)
- Retail sales supervisors (6211)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Co-ordinate, assign and review the work of dry cleaning, laundry, ironing, pressing and finishing workers, theatre ushers and attendants, sports and recreation club workers, commissionaires, security guards and other service workers not elsewhere classified
- Establish work schedules and procedures and co-ordinate activities with other work units or departments
- Resolve work-related problems and prepare and submit progress and other reports
- Hire and train staff in job duties, safety procedures and company policies
- Requisition supplies and materials
- Ensure smooth operation of computer systems, equipment and machinery, and arrange for maintenance and repair work
- Monitor quality and production levels
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college courses related to the area supervised may be required.
- Experience in the occupation supervised is usually required.
- Certification or licensing may be required for some occupations in this group (i.e., supervisors of commissionaires or security guards).

Additional information

- Progression to managerial positions is possible with additional training or experience.

632 Chefs and cooks**6321 Chefs**

This unit group includes various types of chefs who plan and direct food preparation and cooking activities and who prepare and cook meals and specialty foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, clubs and similar establishments, and on ships.

Illustrative example(s)

- chef
- corporate chef
- executive chef

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- executive sous-chef
 - head chef
 - master chef
 - pastry chef
 - saucier
 - sous-chef
 - specialist chef

Exclusion(s)

- Cooks (6322)
- Food counter attendants, kitchen helpers and related support occupations (6711)
- Restaurant and food service managers (0631)

Main duties

Executive chefs perform some or all of the following duties:

- Plan and direct food preparation and cooking activities of several restaurants in an establishment, restaurant chains, hospitals or other establishments with food services
- Consult with clients regarding weddings, banquets and specialty functions
- Plan menus and ensure food meets quality standards
- Estimate food requirements and may estimate food and labour costs
- Supervise activities of sous-chefs, specialist chefs, chefs and cooks
- Arrange for equipment purchases and repairs
- Recruit and hire staff
- May prepare and cook food on a regular basis, or for special guests or functions.

Sous-chefs perform some or all of the following duties:

- Supervise activities of specialist chefs, chefs, cooks and other kitchen workers
- Demonstrate new cooking techniques and new equipment to cooking staff
- May plan menus and requisition food and kitchen supplies
- May prepare and cook meals or specialty foods.

Chefs and specialist chefs perform some or all of the following duties:

- Prepare and cook complete meals or specialty foods, such as pastries, sauces, soups, salads, vegetables and meat, poultry and fish dishes, and create decorative food displays for special events such as banquets
- Instruct cooks in preparation, cooking, garnishing and presentation of food
- Create new recipes
- Supervise cooks and other kitchen staff
- May plan menus
- May requisition food and kitchen supplies.

Employment requirements

- Completion of secondary school is usually required.
- Cook's trade certification, which is available in all provinces and territories, or equivalent credentials, training and experience, are required.
- Executive chefs usually require management training and several years of experience in commercial food preparation, including two years in a supervisory capacity and
Experience as a sous-chef, specialist chef or chef.
- Sous-chefs, specialist chefs and chefs usually require several years of experience in commercial food preparation.
- Red Seal endorsement for cooks is also available to qualified chefs upon successful completion of the interprovincial Red Seal examination.
- Chef de cuisine certification, administered by the Canadian Culinary Institute of the Canadian Federation of Chefs and Cooks (CFCC), is available to qualified chefs.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- There is some mobility among the various types of chefs in this unit group.

-
- Executive chefs may progress to managerial positions in food preparation establishments.

6322 Cooks

Cooks prepare and cook a wide variety of foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, educational institutions and other establishments. Cooks are also employed aboard ships and at construction and logging campsites. Apprentice cooks are included in this unit group.

Illustrative example(s)

- apprentice cook
- cook
- dietary cook
- first cook
- grill cook
- hospital cook
- institutional cook
- journeyman/woman cook
- licensed cook
- line cook
- second cook
- short order cook

Exclusion(s)

- Chefs (6321)
- Food counter attendants, kitchen helpers and related support occupations (6711)

Main duties

Cooks perform some or all of the following duties:

- Prepare and cook complete meals or individual dishes and foods
- Prepare and cook special meals for patients as instructed by dietitian or chef
- Schedule and supervise kitchen helpers
- Oversee kitchen operations
- Maintain inventory and records of food, supplies and equipment
- May set up and oversee buffets
- May clean kitchen and work area
- May plan menus, determine size of food portions, estimate food requirements and costs, and monitor and order supplies
- May hire and train kitchen staff.

Cooks may specialize in preparing and cooking ethnic cuisine or special dishes.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program for cooks
or
Completion of college or other program in cooking
or
Several years of commercial cooking experience are required.
- Trade certification is available, but voluntary, in all provinces and territories.
- Red Seal endorsement is also available to qualified cooks upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- There is mobility among the various types of cooks in this group.
- Progression to supervisory or more senior positions, such as chef, is possible with experience and training.

633 Butchers and bakers

6331 Butchers, meat cutters and fishmongers - retail and wholesale

Butchers, meat cutters and fishmongers, retail and wholesale, prepare standard cuts of meat, poultry, fish and shellfish for sale in retail or wholesale food establishments. They are employed in supermarkets, grocery stores, butcher shops and fish stores or may be self-employed. Butchers who are supervisors or heads of departments are included in this group.

Illustrative example(s)

- butcher apprentice
- butcher, retail
- fishmonger - retail
- head butcher - wholesale
- meat cutter - retail or wholesale
- supermarket meat cutter

Exclusion(s)

- Fish cutters (see 9463 Fish and seafood plant workers)
- Industrial butchers and meat cutters, poultry preparers and related workers (9462)
- Seafood sales clerks (see 6421 Retail salespersons)

Main duties

Butchers, meat cutters and fishmongers in this unit group perform some or all of the following duties:

- Cut, trim, and otherwise prepare standard cuts of meat, poultry, fish and shellfish for sale at self-serve counters or according to customers' orders
- Grind meats and slice cooked meats using powered grinders and slicing machines
- Prepare special displays of meat, poultry, fish and shellfish
- Shape, lace and tie roasts and other meats, poultry or fish and may wrap prepared meats, poultry, fish and shellfish
- Manage inventory, keep records of sales and determine amount, product line and freshness of products according to company and customer requirements
- Ensure food storage conditions are adequate
- May supervise other butchers, or meat cutters or fishmongers.

Employment requirements

- Completion of secondary school may be required.
- Completion of a college or other meat-and-fish-cutting training program, or a three-year meat cutting apprenticeship may be required.
- On-the-job training in food stores is usually provided for retail butchers, meat cutters and fishmongers.
- Trade certification is available, but voluntary, in Quebec and British Columbia.

6332 Bakers

Bakers prepare bread, rolls, muffins, pies, pastries, cakes and cookies in retail and wholesale bakeries and dining establishments. They are employed in bakeries, supermarkets, catering companies, hotels, restaurants, hospitals, and other institutions, or they may be self-employed. Bakers who are supervisors are included in this unit group.

Illustrative example(s)

- baker
- baker apprentice
- bakery supervisor
- bread baker
- head baker

Exclusion(s)

- Baking machine operators (see 9461 Process control and machine operators, food, beverage and associated products processing)
- Pastry chefs (see 6321 Chefs)

Main duties

Bakers perform some or all of the following duties:

- Prepare dough for pies, bread, rolls and sweet goods, batters for muffins, cookies and cakes and icings and frostings according to recipes or special customer orders
- Operate machinery
- Bake mixed doughs and batters
- Frost and decorate cakes or other baked goods
- Ensure quality of products meets established standards
- Draw up production schedule to determine type and quantity of goods to produce
- Purchase baking supplies
- May oversee sales and merchandising of baked goods
- May hire, train and supervise baking personnel and kitchen staff.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program for bakers or
Completion of a college or other program for bakers is usually required.
- On-the-job training may be provided.
- Trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified bakers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.

634 Specialized occupations in personal and customer services**6341 Hairstylists and barbers**

Hairstylists and barbers cut and style hair and perform related services. They are employed in hairstyling or hairdressing salons, barber shops, vocational schools, health care establishments and theatre, film and television establishments.

Illustrative example(s)

- barber
- barber apprentice
- hair colour technician
- hairdresser
- hairdresser apprentice
- hairstylist
- hairstylist apprentice
- wig stylist

Exclusion(s)

- Estheticians, electrologists and related occupations (6562)
- Hairdressing teachers (see 4021 College and other vocational instructors)

Main duties

Hairstylists perform some or all of the following duties:

- Suggest hair style compatible with client's physical features or determine style from client's instructions and preferences
- Cut, trim, taper, curl, wave, perm and style hair
- Apply bleach, tints, dyes or rinses to colour, frost or streak hair
- Analyze hair and scalp condition and provide basic treatment or advice on beauty care treatments for scalp and hair
- Clean and style wigs and hair pieces
- Apply hair extensions
- May shampoo and rinse hair
- May perform receptionist duties and order supplies
- May judge in competitions
- May train or supervise other hairstylists, hairstylist apprentices and helpers.

Barbers perform some or all of the following duties:

- Cut and trim hair according to client's instructions or preferences
- Shave and trim beards and moustaches
- May shampoo hair and provide other hair treatment, such as waving, straightening and tinting and may also provide scalp conditioning massages
- May book appointments and order supplies
- May train and supervise other barbers and barber apprentices.

Employment requirements

Hairstylists

- Some secondary school education is required.
- Completion of a two- or three-year hairstyling apprenticeship program or completion of a college or other program in hairstyling combined with on-the-job training is usually required.
- Several years of experience may replace formal education and training.
- Employers may require applicants to provide a hairstyling demonstration before being hired.
- Trade certification for hairstylists is compulsory in Nova Scotia, Ontario, Manitoba, Saskatchewan, and Alberta, and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Quebec, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified hairstylists upon successful completion of the interprovincial Red Seal examination.

Barbers

- Some secondary school education is required.
- Completion of a two-year apprenticeship or other barber program is usually required.
- On-the-job training may be substituted for formal education.
- Trade certification for barbers is available, but voluntary, in British Columbia and the Yukon.
- Red Seal endorsement is also available to barbers, as qualified hairstylists, upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.

6342 Tailors, dressmakers, furriers and milliners

Tailors, dressmakers and furriers make, alter and repair tailored clothing, dresses, coats and other made-to-measure garments. Milliners make, alter and repair hats. This unit group also includes alterationists who fit, alter and repair garments. They are employed by clothing retailers, clothing alteration shops, dry cleaners and garment manufacturing companies or they may be self-employed.

Illustrative example(s)

- alterationist, garments
- alterations dressmaker

-
- custom furrier
 - custom tailor
 - furrier
 - milliner
 - seamstress
 - tailor

Exclusion(s)

- Couturier - haute couture (see 5243 Theatre, fashion, exhibit and other creative designers)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Tailors make made-to-measure garments, such as suits and coats according to customers' and clothing manufacturers' specifications and fit; design patterns to fit measurements; mark, cut and sew fabric; and may alter and repair garments as required.
- Dressmakers make women's garments; select and modify commercial patterns to customers' and clothing manufacturers' specifications and fit, mark, cut and sew fabric; and may alter and repair garments as required.
- Furriers make, alter, restyle and repair natural fur garments and accessories.
- Milliners design, lay out, cut, sew and press fabric, leather and other materials into hats and related accessories.
- Alterationists fit, alter and repair garments according to customers' requests by hand or using sewing machines.

Employment requirements

- Completion of secondary school may be required.
- Tailors and dressmakers require demonstrated ability to sew, style and fit men's or women's garments and may require completion of college or other courses in tailoring or dressmaking.
- Furriers require several years of experience in selecting pelts and making, fitting, styling and altering fur garments and accessories.
- Milliners require demonstrated ability to sew, style and fit hats and caps.
- Alterationists require demonstrated ability to sew, alter and repair garments.

6343 Shoe repairers and shoemakers

Shoe repairers repair footwear and shoemakers make specialized and custom shoes and boots. They are employed in shoe repair shops or custom shoemaking establishments, or they may be self-employed.

Illustrative example(s)

- bootmaker
- custom shoemaker
- orthopedic shoemaker
- shoe repairer
- shoemaker

Exclusion(s)

- Labourers in shoe manufacturing (see 9619 Other labourers in processing, manufacturing and utilities)
- Workers who cut fabric or leather to form shoe parts on a production basis (see 9445 Fabric, fur and leather cutters)
- Workers who operate sewing machines to make shoes on a production basis (see 9446 Industrial sewing machine operators)

Main duties

Shoemakers perform some or all of the following duties:

- Discuss type of footwear to be made and obtain measurements from customer
- Select patterns and leather or other material and outline and cut patterns

- Select or assemble lasts, fasten insoles to lasts and sew or glue other parts into place
- Trim, dress and otherwise finish boots or shoes
- Estimate custom footwear costs and receive payment from customers
- May supervise other shoemakers and shoe repairers.

Shoe repairers perform some or all of the following duties:

- Repair soles, heels and other parts of footwear using sewing, buffing and other shoe repair machines, materials and equipment
- Repair belts, luggage, purses and similar products
- Estimate footwear repair costs and take payment.

Employment requirements

- Some secondary school may be required.
- Several months of on-the-job training is provided for shoe repairers.
- Extensive on-the-job training is provided for shoemakers.
- Shoemakers may require experience as shoe repairers.

Additional information

- Shoe repairers may progress to shoemakers with experience.

6344 Jewellers, jewellery and watch repairers and related occupations

Jewellers and related workers in this unit group fabricate, assemble, repair and appraise fine jewellery. Watch repairers and related workers in this unit group repair, clean, adjust and fabricate parts for clocks and watches. They are employed by jewellery, clock and watch manufacturers and retail stores, by jewellery and watch repair shops or they may be self-employed.

Illustrative example(s)

- clock repairer
- diamond cutter
- gem cutter
- gemologist
- pearl cutter
- precious stone setter
- watch repairer

Exclusion(s)

- Jewellery and clock and watch production assemblers (see 9537 Other products assemblers, finishers and inspectors)
- Silversmiths and jewellery artisans (see 5244 Artisans and craftspersons)

Main duties

Jewellers and related workers perform some or all of the following duties:

- Fabricate and repair precious and semi-precious metal jewellery, such as rings, brooches, pendants, bracelets and lockets
- Examine, cut, shape and polish diamonds using optical instruments, lathes and laps
- Examine, cut, shape and polish precious and synthetic gems using optical instruments, cutting disks and laps
- Appraise gemstones and diamonds to differentiate between stones, identify rare specimens and to detect peculiarity affecting stone values
- Set precious and semi-precious stones in jewellery mountings, according to specifications
- May supervise other jewellers.

Jewellers may specialize in certain kinds of jewellery, such as gold or silver, or in particular operations, such as fabrication or repair.

Watch repairers perform some or all of the following duties:

- Fabricate or fit parts to make watches and clocks

- Examine clocks and watches, disassemble and check for defective and misaligned parts or rust
- Replace or repair worn or broken parts
- Test, adjust and regulate timepiece movements
- Clean all parts using special cleaning and rinsing solutions and ultrasonic or mechanical cleaning machines to remove dirt and dried lubricants
- May supervise other watch repairers.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a college or other program, or apprenticeship training in watch or jewellery repair or gemology is usually required.
- A watch repairer certificate is compulsory in Quebec and Ontario.
- Experience as a jewellery, clock or watch assembler may be required.

Additional information

- Mobility is possible among the various jewellery occupations in this unit group.
- There is little mobility between the jewellery occupations and the watch repairers in this unit group.

6345 Upholsterers

Upholsterers cover furniture, fixtures and similar items with fabric, leather or other upholstery materials. They are employed by furniture, aircraft, motor vehicle and other manufacturing companies, furniture retail outlets and repair shops or they may be self-employed.

Illustrative example(s)

- aircraft interior technician
- automobile upholsterer
- custom upholsterer
- furniture upholsterer
- upholsterer
- upholstery repairer

Exclusion(s)

- Furniture and fixture assemblers and inspectors (9532)
- Furniture finishers and refinishers (9534)
- Supervisors of upholsterers in furniture manufacturing (see 9224 Supervisors, furniture and fixtures manufacturing)
- Upholsterer helpers (see 9619 Other labourers in processing, manufacturing and utilities)

Main duties

Upholsterers perform some or all of the following duties:

- Discuss upholstery fabric, colour, and style with customers and provide cost estimate for upholstering furniture or other items
- Lay out, measure and cut upholstery materials according to sketches or design specifications
- Replace worn-out webbing, springs and other furniture parts using hand and power tools
- Operate sewing machines or sew upholstery materials by hand to seam cushions and join sections of covering materials
- Install padding and underlays and fasten covering materials to furniture frames
- Tack, glue or sew ornamental trim, braids or buttons on upholstered items
- Lay out, cut, fabricate and install upholstery in aircrafts, motor vehicles, railway cars, boats and ships
- May repair furniture frames and refinish wood surfaces
- May make upholstery patterns from sketches, customer descriptions or blueprints
- May install, fabricate, maintain and repair interior components of aircraft, such as seats, coverings, drapes, cargo nets, flooring, closets, bins and panels.

Employment requirements

- Completion of secondary school is usually required.
- Completion of college or other specialized courses or an apprenticeship program in furniture upholstery and repair
or
Several years of on-the-job training, including working as an upholsterer helper are usually required.

Additional information

- Progression to supervisory positions is possible with experience.

6346 Funeral directors and embalmers

Funeral directors co-ordinate and arrange all aspects of funeral services. Embalmers prepare the remains of deceased persons for public visitation and burial. Funeral directors and embalmers are employed by funeral homes.

Illustrative example(s)

- apprentice embalmer
- embalmer
- funeral director
- mortician

Exclusion(s)

- Bereavement counsellors (see 4153 Family, marriage and other related counsellors)
- Funeral home attendants (see 6742 Other service support occupations, n.e.c.)
- Funeral service general managers (see 0015 Senior managers - trade, broadcasting and other services, n.e.c.)

Main duties

Funeral directors perform some or all of the following duties:

- Consult with the family of the deceased regarding the nature of the funeral service, the disposition of the remains and funeral costs
- Transfer, or arrange for the transfer of, the remains from the place of death to the funeral home
- Inform survivors of benefits for which they may be eligible
- Issue death notices to newspapers
- Oversee the preparation of the remains, plan and schedule funeral services, co-ordinate burials and cremations and complete legal documents
- Discuss and negotiate prearranged funerals with clients
- Manage funeral home operations including hiring and directing staff, maintaining financial records, preparing accounts and ordering merchandise
- Supervise embalmers, funeral home attendants and other funeral home staff
- May perform same duties as embalmers.

Embalmers perform some or all of the following duties:

- Preserve, sanitize and prepare human remains for funeral services
- Perform cosmetic and restorative work on human remains
- Supervise funeral home attendants and other funeral home staff.

Employment requirements

- Completion of a one- to two-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program is usually required for funeral directors.
- Completion of a two- to three-year college program and a twelve- to twenty-month practical apprenticeship program during or following the educational program
or
Completion of a three-year college program is required for embalmers.
- Funeral directors require licensure in most provinces and territories.
- Funeral directors may be required to be licensed embalmers depending on provincial requirements.
- Embalmers require licensure in all provinces.

64 Sales representatives and salespersons - wholesale and retail trade

641 Sales and account representatives - wholesale trade (non-technical)

6411 Sales and account representatives - wholesale trade (non-technical)

Sales representatives, wholesale trade (non-technical), sell non-technical goods and services to retail, wholesale, commercial, industrial, professional and other clients domestically and internationally. They are employed by establishments that produce or provide goods and services such as petroleum companies, food, beverage and tobacco producers, clothing manufacturers, motor vehicles and parts manufacturers, hotels, business services firms, and transportation companies. Auctioneers are included in this unit group. Sales representatives, wholesale trade who are supervisors are also included in this unit group.

Illustrative example(s)

- advertising time sales representative
- food products sales representative
- freight sales agent
- graphic design sales representative
- hotel accommodations sales executive
- liquor sales representative
- magazine sales representative
- oil distributor
- security services sales consultant
- supervisor, wholesale trade representatives
- transfer company agent

Exclusion(s)

- Advertising, marketing and public relations managers (0124)
- Retail salespersons (6421)
- Royalties managers (see 0512 Managers - publishing, motion pictures, broadcasting and performing arts)
- Technical sales specialists - wholesale trade (6221)

Main duties

Sales representatives, wholesale trade (non-technical), perform some or all of the following duties:

- Promote sales to existing clients
- Identify and solicit potential clients
- Provide clients with presentations on the benefits and uses of goods or services
- Estimate or quote prices, credit or contract terms, warranties and delivery dates
- Prepare or oversee preparation of sales or other contracts
- Consult with clients after sale or signed contracts to resolve problems and to provide ongoing support
- Review and adapt to information regarding product innovations, competitors and market conditions
- Represent companies that export and import products or services to and from foreign countries
- May conduct sales transactions through Internet-based electronic commerce
- May supervise the activities of other sales representatives.

Employment requirements

- Completion of secondary school is required.
- A university degree or completion of a college or other program may be required.
- Experience in sales or in an occupation related to the product or service is usually required.
- Fluency in a foreign language and/or foreign country work or travel experience may be required for sales representatives seeking employment with companies that import or export goods or services.
- Supervisors and senior sales representatives require experience.
- Voluntary certification is available from the Canadian Professional Sales Association.

Additional information

- Progression to sales management positions is possible with additional training or experience.

642 Retail salespersons

6421 Retail salespersons

Retail salespersons sell, rent or lease a range of technical and non-technical goods and services directly to consumers. They are employed by stores and other retail businesses, as well as wholesale businesses that sell on a retail basis to the public.

Illustrative example(s)

- audio equipment salesperson
- automobile salesperson
- car rental agent
- clothing salesperson
- computer salesperson - retail
- counter clerk - retail
- department store clerk
- furniture salesperson
- hardware store clerk
- jewellery salesperson
- retail sales associate
- retail sales clerk
- retail salesperson

Exclusion(s)

- Cashiers (6611)
- Retail stock clerks (see 6622 Store shelf stockers, clerks and order fillers)
- Sales clerk supervisors (see 6211 Retail sales supervisors)

Main duties

Retail salespersons perform some or all of the following duties:

- Greet customers and discuss type, quality and quantity of merchandise or services sought for purchase, rental or lease
- Advise customers on use and care of merchandise, and provide advice concerning specialized products or services
- Estimate or quote prices, credit terms, trade-in allowances, warranties and delivery dates
- Prepare merchandise for purchase, rental or lease
- Prepare sales, rental or leasing contracts and accept cash, cheque, credit card or automatic debit payment
- Assist in display of merchandise
- Maintain sales records for inventory control
- Operate computerized inventory record keeping and re-ordering systems
- May conduct sales transactions through Internet-based electronic commerce.

Retail salespersons may specialize and act as consultants in home entertainment systems, computers and other products and services.

Employment requirements

- Completion of secondary school may be required.
- A university degree or college diploma may be required by some employers.
- Specific subject matter courses or training may be required.
- Demonstrated sales ability and product knowledge are usually required for retail salespersons who sell complex or valuable merchandise, such as automobiles, antiques or computers.

Additional information

- Technical or sales training programs may be provided by employers.
- Progression to retail supervisory positions is possible with additional training or experience.

65 Service representatives and other customer and personal services occupations

651 Occupations in food and beverage service

6511 Maîtres d'hôtel and hosts/hostesses

Maîtres d'hôtel and hosts/hostesses greet patrons and escort them to tables, and supervise and co-ordinate the activities of food and beverage servers. They are employed in restaurants, hotel dining rooms, private clubs, cocktail lounges and similar establishments.

Illustrative example(s)

- chief host/hostess - food services
- dining room host/hostess
- maître d'
- restaurant host/hostess

Exclusion(s)

- Food and beverage servers (6513)
- Food service supervisors (6311)

Main duties

Maîtres d'hôtel and hosts/hostesses perform some or all of the following duties:

- Receive and record patrons' reservations and assign tables
- Greet patrons at entrance of dining room, restaurant, or lounge and escort them to tables or other seating areas
- Speak with patrons to ensure satisfaction with food and service, and attend to complaints
- Order necessary dining room supplies and equipment
- Inspect dining and serving areas and equipment
- Supervise and co-ordinate activities of food and beverage servers and other serving staff
- Accept payment from patrons for food and beverage
- Maintain financial statements and records and ensure safe-keeping
- Prepare work schedules and payrolls
- Interview candidates for food and beverage server positions and train new employees
- May be responsible for marketing and advertising the dining establishment.

Employment requirements

- Completion of secondary school is usually required.
- Several weeks of on-the-job training are usually required.
- Maîtres d'hôtel require experience as a formal or captain waiter/waitress or other food service experience.

6512 Bartenders

Bartenders mix and serve alcoholic and non-alcoholic beverages. They are employed in restaurants, hotels, bars, taverns, private clubs, banquet halls and other licensed establishments. Supervisors of bartenders are included in this unit group.

Illustrative example(s)

- bar attendant
- bar steward
- bartender
- head bartender

Exclusion(s)

- Bar managers (see 0631 Restaurant and food service managers)
- Food and beverage servers (6513)

Main duties

Bartenders perform some or all of the following duties:

- Take beverage orders from serving staff or directly from patrons
- Mix liquor, soft drinks, water and other ingredients to prepare cocktails and other drinks
- Prepare mixed drinks, wine, draft or bottled beer and non-alcoholic beverages for food and beverage servers or serve directly to patrons
- Collect payment for beverages and record sales
- Maintain inventory and control of bar stock and order supplies
- Clean bar area and wash glassware
- Ensure compliance with provincial/territorial liquor legislation and regulations
- May train and supervise other bartenders and bar staff
- May hire and dismiss staff.

Employment requirements

- Completion of secondary school may be required.
- Completion of college or other program in bartending or
Completion of courses in mixing drinks is usually required.
- Responsible beverage service certification may be required.

Additional information

- Progression to managerial positions in food and beverage service is possible with experience.

6513 Food and beverage servers

Food and beverage servers take patrons' food and beverage orders and serve orders to patrons. They are employed in restaurants, hotels, bars, taverns, private clubs, banquet halls and similar establishments.

Illustrative example(s)

- banquet server
- captain waiter/waitress
- chief wine steward
- cocktail waiter/waitress
- food and beverage server
- formal service waiter/waitress
- waiter/waitress
- wine steward

Exclusion(s)

- Food service supervisors (6311)
- Maîtres d'hôtel and hosts/hostesses (6511)
- Restaurant and food service managers (0631)

Main duties

Food and beverage servers perform some or all of the following duties:

- Greet patrons, present menus, make recommendations and answer questions regarding food and beverages
- Take orders and relay to kitchen and bar staff
- Recommend wines that complement patrons' meals
- Serve food and beverages
- Prepare and serve specialty foods at patrons' tables
- Present bill to patrons and accept payment
- Order and maintain inventory of wines and wine glassware
- Perform sensory evaluation of wines.

Employment requirements

- Completion of secondary school may be required.
- Formal waiters/waitresses may require completion of a one- or two-year apprenticeship program or College or vocational school courses.
- Apprenticeship training programs for food and beverage servers are available in Saskatchewan and British Columbia. Trade certification is available but voluntary in those provinces.
- On-the-job training is usually provided.
- Wine stewards may require courses in wine selection and service or Experience as a captain waiter/waitress or formal waiter/waitress.
- Responsible beverage service certification is usually required for employees serving alcoholic beverages.

652 Occupations in travel and accommodation**6521 Travel counsellors**

Travel counsellors advise clients on travel options and tour packages, make bookings and reservations, prepare tickets and receive payment. They are employed in travel agencies, transportation and tourism firms and hotel chains.

Illustrative example(s)

- reservation agent - travel agency
- travel agent
- travel consultant

Exclusion(s)

- Airline ticket agents (see 6523 Airline ticket and service agents)
- Convention co-ordinators (see 1226 Conference and event planners)
- Travel agency managers (see 0621 Retail and wholesale trade managers)

Main duties

Travel counsellors perform some or all of the following duties:

- Provide travel information to clients regarding destinations, transportation and accommodation options and travel costs, and recommend suitable products
- Plan and organize vacation travel for individuals or groups
- Make transportation and accommodation reservations using computerized reservation and ticketing system
- Sell single fare tickets and package tours to clients
- Promote particular destinations, tour packages and other travel services
- Investigate new travel destinations, hotels and other facilities and attractions
- Provide travel tips regarding tourist attractions, foreign currency, customs, languages and travel safety.

Employment requirements

- Completion of secondary school is usually required.
- A college diploma or vocational training in travel or tourism is usually required.
- Certification with the Canadian Institute of Travel Counsellors (CITC) may be required. This certification is granted after completion of a 60 credit requirement obtained through any combination of work experience, training and education, and successful completion of the advanced exam.

Additional information

- Progression to managerial positions is possible with experience.

6522 Purser and flight attendants

Airline pursers and flight attendants ensure the safety and comfort of passengers and crew members during flights. Ship pursers attend to the safety and comfort of passengers aboard ships. Airline pursers and flight attendants are employed by airline companies. Ship pursers are employed by tour boat or cruise ship companies.

Illustrative example(s)

- flight attendant
- flight service director
- passenger service director - water transportation
- purser, airline
- ship purser

Exclusion(s)

- Food and beverage servers on trains (see 6513 Food and beverage servers)
- Passenger service attendants - except air travel (see 6721 Support occupations in accommodation, travel and facilities set-up services)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Flight attendants greet passengers, explain and demonstrate safety procedures, check the general condition of the aircraft cabin, ensure that all necessary supplies are on board, attend to safety of passengers during take-offs, landings and emergencies, serve food and beverages to passengers and make flight announcements.
- Flight pursers, customer service directors and passenger service directors co-ordinate the activities of flight attendants, provide service to passengers during flight and complete reports.
- Ship pursers supervise ship attendants, arrange activities for passengers and conduct ship's business, such as signing on crew, maintaining payroll records, assisting passengers in preparing customs declarations and supervising baggage storage.

Employment requirements

- Flight attendants and flight pursers require the completion of secondary school and a training program approved by Transport Canada.
- Flight pursers/customer service directors require experience as a flight attendant.
- Ship pursers may require experience as a ship attendant.
- Flight attendants and ship pursers usually require experience working with the public.

Additional information

- There is little mobility between airline pursers and ship pursers.
- It is an advantage for pursers and flight attendants to speak more than one language.

6523 Airline ticket and service agents

Airline ticket and service agents issue tickets, provide fare quotations, make reservations, conduct passenger check-in, trace missing baggage, arrange for cargo shipments and perform other related customer service duties to assist airline passengers. Airline ticket and service agents are employed by airline companies. Load planners, who plan the positioning of cargo on aircraft, are also included in this unit group.

Illustrative example(s)

- airline baggage agent
- airline cargo agent
- baggage tracer, airline
- client service representative - airline
- counter services agent, airline
- customer service agent, airline
- load planner, airline

- passenger agent, airline
- passenger service representative
- reservation agent, airline
- station agent, airline
- ticket agent, airline

Exclusion(s)

- Airline cargo and baggage handlers (see 7534 Air transport ramp attendants)
- Ground and water transport ticket agents, cargo service representatives and related clerks (6524)
- Supervisors of airline sales and service agents (see 6313 Accommodation, travel, tourism and related services supervisors)
- Travel counsellors (6521)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Airline passenger and ticket agents help customers plan travel time and routes, prepare and issue tickets, assign seats, prepare boarding passes, check baggage, attend boarding gates, assist pre-boarding passengers and provide information on fares and flight schedules and routes.
- Airline baggage agents trace lost, delayed or misdirected baggage for customers.
- Airline cargo agents weigh cargo and compute freight costs, calculate charges for services and insurance, process bills of lading, cargo manifests and other documents, trace lost or misdirected cargo and maintain shipping and other records.
- Airline reservation agents reserve seats for tour companies, travel agencies, wholesalers and the general public using computerized systems, provide information on airline passengers and process mileage points.
- Airline station agents complete pre-flight documents regarding passenger and cargo load, catering count, special requests and other flight information and relay operational messages to operations control and downline stations. They also perform duties of ticket, baggage and cargo agents.
- Airline load planners calculate load weights for compartments of aircraft using charts and computers and plan load to distribute and balance cargo.

Employment requirements

- Completion of secondary school is usually required.
- Several weeks of on-the-job and classroom training are provided for all occupations in this unit group.
- Airline station agents usually require experience as a ticket, baggage or cargo agent.
- Load planners require a restricted radio operator's licence and usually require airline operations experience.

Additional information

- Depending on the size of the airline or airport, the duties of workers in this unit group may overlap.
- Progression to supervisory positions is possible with experience.

6524 Ground and water transport ticket agents, cargo service representatives and related clerks

Ticket agents, cargo service representatives and related clerks (except airline), quote fares and rates, make reservations, issue tickets, process cargo shipment, check baggage and perform other related customer service duties to assist travellers. They are employed by bus and railway companies, freight forwarding and shipping companies, boat cruise operators and other public transit establishments and by travel wholesalers.

Illustrative example(s)

- bus ticket agent
- cargo customer service representative - railway
- counter service agent, railway
- railway passenger agent
- reservations clerk - cruise line
- reservations clerk, railway
- ticket agent (except airline)

Exclusion(s)

- Airline ticket and service agents (6523)
- Supervisors of ticket and cargo agents and related clerks in this unit group (see 6313 Accommodation, travel, tourism and related services supervisors)
- Travel counsellors (6521)

Main duties

Ticket agents in this unit group perform some or all of the following duties:

- Answer customer inquiries, quote fares and assist clients in planning travel times and routes
- Reserve seats for tour companies, travel agencies, wholesalers and the general public
- Issue tickets, handle cash transactions and check baggage
- Receive and record bookings for package tours from retail travel agencies and supply information regarding available vacancies when working for wholesale travel companies.

Cargo service representatives in this unit group perform some or all of the following duties:

- Quote fare and rates for cargo shipment
- Compute shipment costs including charges for services and insurance using rate tables and schedules and prepare and maintain shipping and other documents
- Check in passenger baggage and sort for loading by baggage handlers or may load baggage directly into buses, railway cars or cruise ships
- Trace lost or misdirected passenger baggage or cargo shipment.

Employment requirements

- Completion of secondary school is usually required.
- Up to 10 weeks of training may be provided.

Additional information

- Ticket agents and cargo service representatives may perform the same duties depending on the size and location of the operations.
- Progression to supervisory positions is possible through experience.

6525 Hotel front desk clerks

Hotel front desk clerks make room reservations, provide information and services to guests and receive payment for services. They are employed by hotels, motels and resorts.

Illustrative example(s)

- guest services agent - hotel
- hotel front desk clerk
- night clerk
- reservations clerk - hotel
- room clerk

Exclusion(s)

- Supervisors, hotel front desk clerk (see 0632 Accommodation service managers)
- Travel counsellors (6521)

Main duties

Hotel front desk clerks perform some or all of the following duties:

- Maintain an inventory of vacancies, reservations and room assignments
- Register arriving guests and assign rooms
- Answer enquiries regarding hotel services and registration by letter, by telephone and in person, provide information about services available in the community and respond to guests' complaints
- Compile and check daily record sheets, guest accounts, receipts and vouchers using computerized or manual systems
- Present statements of charges to departing guests and receive payment.

Employment requirements

- Completion of secondary school or equivalent is usually required.
- Completion of a two-year apprenticeship program, or a college program in front desk operations or hotel management may be required.
- Guest service trade certification is available, but voluntary, in all provinces and the Yukon from the Tourism Education Council.

Additional information

- Progression to senior positions such as accommodations manager is possible with additional training and experience.

653 Tourism and amusement services occupations**6531 Tour and travel guides**

Tour and travel guides escort individuals and groups on trips, on sightseeing tours of cities and on tours of historical sites and establishments such as famous buildings, manufacturing plants, cathedrals and theme parks. They also provide descriptions and background information on interesting features. Tour and travel guides are employed by tour operators, resorts and other establishments or may be self-employed.

Illustrative example(s)

- adventure travel site interpreter
- bicycle tour guide
- calèche driver
- factory tour guide
- industrial site interpreter
- tour guide
- travel guide

Exclusion(s)

- Museum guides and historical and heritage interpreters (see 5212 Technical occupations related to museums and art galleries)
- Outdoor sport and recreational guides (6532)
- Tour operators (see 0651 Managers in customer and personal services, n.e.c.)

Main duties

Tour guides perform some or all of the following duties:

- Transport or escort individuals or groups on tours of cities, waterways and industrial and other establishments
- Describe points of interest, answer questions and supply information
- Provide historical and cultural facts related to the site
- May collect admission fees and sell souvenirs.

Travel guides perform some or all of the following duties:

- Escort individuals and groups on vacation and business trips
- Ensure that reservations for transportation and accommodations are confirmed and that prepared itineraries are met
- Visit and describe points of interest and plan and carry out recreational activities
- Resolve problems with itineraries, service and accommodations.

Employment requirements

- On-the-job training is provided.
- Knowledge of both official languages or an additional language may be required for some positions in this group.

6532 Outdoor sport and recreational guides

Outdoor sport and recreational guides organize and conduct trips or expeditions for sports enthusiasts, adventurers, tourists and resort guests. They are employed by private companies and resorts or may be self-employed.

Illustrative example(s)

- canoeing guide
- dude wrangler
- fishing guide
- hot air balloonist
- hunting guide
- mountain climbing guide
- outdoor guide
- outfitter
- rafting guide

Exclusion(s)

- Program leaders and instructors in recreation, sport and fitness (5254)
- Tour and travel guides (6531)

Main duties

Outdoor sport and recreational guides perform some or all of the following duties:

- Plan itinerary for trip or expedition and arrange transportation or transport individuals or group to site
- Assemble and inspect necessary equipment and supplies, such as camping gear, rafts, life jackets, fishing tackle and food
- Lead or escort individuals or groups and advise on safety and emergency measures, techniques and the use of equipment
- Provide instruction for activities such as canoeing, rafting and mountain climbing
- Advise on specific regulations such as hunting and fishing laws and boating regulations, follow environmental guidelines and prevent violations
- Provide first aid in emergency situations
- May prepare meals for group and set up camp.

Employment requirements

- Knowledge of a particular terrain or body of water, demonstrated ability in the guided activity and relevant licences are required for employment in this group.
- Hot air balloon pilots require completion of 10 hours of ground school, 16 hours of pilot-in-command experience and a Balloon Pilot Licence issued by Transport Canada.
- Certification in first aid and CPR (cardiopulmonary resuscitation) may be required.

Additional information

- Outdoor sport and recreational guides usually work on a seasonal basis.

6533 Casino occupations

Casino workers operate gaming tables, maintain slot machines, accept keno wagers, pay out winning bets and jackpots and collect losing bets. They are employed by casinos.

Illustrative example(s)

- croupier
- keno runner, casino
- keno writer

Exclusion(s)

- Amusement ride, sports facility and bingo hall workers (see 6722 Operators and attendants in amusement, recreation and sport)

-
- Supervisors of casino workers (see 6313 Accommodation, travel, tourism and related services supervisors)

Main duties

Casino workers perform some or all of the following duties:

- Operate gaming tables and games such as roulette, blackjack, keno, baccarat and poker
- Explain rules of games to patrons and ensure that rules are followed
- Accept keno wagers and issue computerized tickets for selection
- Determine winners or announce winning numbers
- Calculate and pay out winning bets and jackpots, collect losing bets and maintain related reports
- Fill slot machines with coins and assist patrons experiencing difficulties with machines
- Perform minor adjustments to slot machines.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training is provided for gaming table dealers.
- Security clearance is required for all casino workers.
- Casino gaming licences are usually required for all casino employees.

Additional information

- Progression to supervisory positions is possible with experience in all activities related to gaming.

654 Security guards and related security service occupations

6541 Security guards and related security service occupations

This unit group includes workers who guard and implement security measures to protect property against theft, vandalism and fire, control access to establishments, maintain order and enforce regulations at public events and within establishments, conduct private investigations for clients or employers and provide other protective services not elsewhere classified. They are employed by public or private security agencies, residential complexes, educational, cultural, financial and health institutions, retail establishments, businesses and industry, investigation service companies, transportation facilities, and organizations throughout the private and public sectors, or they may be self-employed.

Illustrative example(s)

- airport security guard
- alarm investigator
- armoured car guard
- automatic teller machine (ATM) guard
- bodyguard (except police)
- commissionaire
- corporate security officer
- gate attendant - security
- house detective
- night guard
- postal inspection officer
- preboarding security guard
- private investigator
- private security officer
- retail loss prevention officer
- security guard
- store detective
- theft prevention officer

Exclusion(s)

- Correctional service officers (4422)

-
- Managers of security agencies (see 0125 Other business services managers)
 - Police officers (except commissioned) (4311)
 - Supervisors of security guards and related occupations (see 6316 Other services supervisors)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Security guards control access to establishments, operate security control-room equipment and patrol assigned areas to guard against theft, vandalism and fire, enforce regulations to maintain order and resolve conflicts and to monitor establishment activities; ensure safety and emergency procedures are followed; issue passes and direct visitors to appropriate areas, check age identification of patrons, and perform security checks of passengers and luggage at airports.
- Armoured car guards drive and guard armoured trucks, pick-up and deliver cash and valuables to banks, automated teller machines and retail establishments.
- Corporate security officers investigate unlawful acts of employees or patrons of establishments and recommend security systems such as electronic detection devices and access devices.
- Private investigators conduct investigations to locate missing persons and obtain information for use in civil and criminal litigation matters or for other purposes; they may also conduct polygraph tests (integrity surveys) for clients.
- Retail loss prevention officers prevent and detect shoplifting and theft in retail establishments.

Employment requirements

- Completion of secondary school is usually required.
- A college diploma in law and security or police technology may be required.
- Training is provided for airport security guards and establishment-specific training may be provided for security occupations in this unit group.
- Security guards carrying firearms require a licence.
- Armoured car drivers require a Valid Possession and Acquisition License (PAL) and a Firearms Acquisition Certificate (FAC) for both restricted and non-restricted firearms.
- In Quebec, a permit issued by the Sûreté du Québec is required to work as a private detective or security officer.
- Corporate security officers may require experience as a police officer.
- Private investigators require provincial licensure.
- Responsible beverage service certification is usually required for security staff in establishments serving alcoholic beverages.

655 Customer and information services representatives

6551 Customer services representatives - financial institutions

Customer service representatives in this unit group process customers' financial transactions and provide information on related banking products and services. They are employed by banks, trust companies, credit unions and similar financial institutions.

Illustrative example(s)

- bank teller
- credit union teller
- financial customer service representative
- foreign exchange teller - financial services

Exclusion(s)

- Banking, insurance and other financial clerks (1434)
- Other customer and information services representatives (6552)
- Supervisors, finance and insurance office workers (1212)
- Supervisors of financial customer service representatives (see 6314 Customer and information services supervisors)

Main duties

Customer service representatives in this unit group perform some or all of the following duties:

- Process customer cash deposits and withdrawals, cheques, transfers, bills and credit card payments, money orders, certified cheques and other related banking transactions
- Obtain and process information required for the provision of services, such as opening accounts and savings plans and purchasing bonds
- Sell travellers' cheques, foreign currency and money orders
- Answer enquiries and resolve problems or discrepancies concerning customers' accounts
- Inform customers of available banking products and services to address their needs.

Employment requirements

- Completion of secondary school is required.
- A college diploma in business administration may be required.
- On-the-job training is provided.

Additional information

- Progression to supervisory positions is possible with experience.

6552 Other customer and information services representatives

This unit group includes customer and information services representatives who answer enquiries and provide information regarding an establishment's goods, services and policies and who provide customer services such as receiving payments and processing requests for services. They are employed by retail establishments, contact centres, insurance, telephone and utility companies and other establishments throughout the private and public sectors.

Illustrative example(s)

- accounts information clerk
- bus information clerk
- complaints clerk - customer service
- contact centre agent - customer service
- courtesy desk clerk
- customer service representative - call centre
- enquiries clerk
- information clerk - customer service
- lost-and-found clerk
- order desk agent
- public relations clerk
- tourist information clerk

Exclusion(s)

- Customer and information services supervisors (6314)
- Customer service representatives in banks and other financial institutions (see 6551 Customer services representatives - financial institutions)
- General ticket and information agents (see 6523 Airline ticket and service agents)
- Receptionists (1414)
- Retail salespersons (6421)
- Ticket and information clerks (except airline) (see 6524 Ground and water transport ticket agents, cargo service representatives and related clerks)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Customer service representatives in retail establishments answer, in person or on the phone, enquiries from customers and investigate complaints regarding the establishment's goods, services and policies; arrange for refunds, exchange and credit for returned merchandise; receive account payments; and receive credit and employment applications.

- Contact centre agents take customer orders for goods or services; promote goods or services; respond to enquiries and emergencies; investigate complaints and update accounts.
- Customer service representatives in insurance, telephone, utility and similar companies explain the type and cost of services offered; order services; provide information about claims or accounts; update accounts; initiate billing and process claim payments; and receive payment for services.
- Information services representatives provide information to customers and the public concerning goods, services, schedules, rates, regulations and policies in response to telephone and in-person enquiries.

Employment requirements

- Completion of secondary school is usually required.
- Completion of some college or other post-secondary programs may be required.
- Clerical or sales experience may be required.

Additional information

- Progression to supervisory positions is possible with experience.

656 Other occupations in personal service

6561 Image, social and other personal consultants

Image, social and other personal consultants advise clients on their personal appearance, speaking style, manners or other behaviours in order to improve personal or business images. They are employed by beauty salons, fashion boutiques, modelling schools, image consulting companies, weight loss centres or they may be self-employed.

Illustrative example(s)

- colour consultant, fashion
- etiquette consultant
- fashion and wardrobe consultant
- image consultant
- make-up consultant
- public speaking consultant
- wardrobe consultant
- wedding consultant
- weight loss consultant

Exclusion(s)

- Cosmeticians and manicurists (see 6562 Estheticians, electrologists and related occupations)
- Hairstylists and barbers (6341)
- Modelling school instructors (see 4216 Other instructors)
- Other personal service occupations (6564)

Main duties

The following is a summary of the main duties of some occupations in this unit group:

- Image consultants advise clients on hair colour, hairstyles, make-up, clothing and accessories; may advise on posture, general appearance and manners, and provide courses and seminars on business and social etiquette.
- Make-up consultants advise clients on type, colour and application of make-up.
- Colour consultants advise clients on choice of colours for clothing that will complement their appearance.
- Wedding consultants advise clients on the selection of wedding gowns, floral arrangements, banquet facilities, wedding invitations and other items related to weddings.
- Weight loss consultants administer commercial weight loss programs, advise clients on diet and exercise and provide related support services.

Employment requirements

- Completion of secondary school is usually required.

- Specialized training courses are available for colour consultants, make-up and skin care consultants, weight loss consultants and most other occupations in this unit group.
- Experience and expertise in fashion, art, modelling or related fields is usually required.

6562 Estheticians, electrologists and related occupations

Workers in this unit group provide facial and body treatments designed to enhance an individual's physical appearance. They are employed in beauty salons, electrolysis studios, scalp treatment and hair replacement clinics and other similar establishments and in cosmetic departments of retail establishments such as pharmacies and department stores, or they may be self-employed.

Illustrative example(s)

- beauty treatment operator
- cosmetician
- electrologist
- electrolysis technician
- esthetician
- hair replacement technician
- manicurist
- pedicurist
- scalp treatment specialist
- tattoo artist

Exclusion(s)

- Hairstylists and barbers (6341)
- Image, social and other personal consultants (6561)
- Make-up artists (see 5226 Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Estheticians give facial and other body treatments using specialized products and techniques.
- Cosmeticians advise customers on the use of make-up and other beauty products and apply make-up to customers; may specialize in applying makeup to models or other individuals for special occasions.
- Electrologists remove unwanted hair permanently from client's face or body using needle only specialized electrical hair removal equipment, laser and other equipment.
- Manicurists and pedicurists clean, shape and polish fingernails and toenails and provide related treatments.
- Scalp treatment specialists apply medicated lotions to treat scalp conditions and hair loss.
- Tattoo artists apply permanent designs to customer's skin, using electric needles and chemical dyes; may also apply temporary designs to customer's skin.
- Hair replacement technicians (non-medical) prepare and apply custom-made hair pieces to customer's scalp, weave customer's hair to hair pieces and provide scalp treatments.

Employment requirements

- Completion of high school, college or beauty school programs for cosmeticians, estheticians, electrologists, manicurists and pedicurists is required
or
On-the-job training is provided.
- Electrologists usually require certification from an electrologist's educational or training institution.
- Membership in a provincial or national electrolysis association may be required.
- Completion of a registered dermal therapy program may be required to provide electrology laser and vascular treatments.
- Estheticians usually require certification from an esthetician's educational or training institution.
- Apprenticeship for electrologists, estheticians and nail technicians is available in Manitoba. Trade certification for these occupations is compulsory in that province.

- A business license is required for workers in this group who are owners/operators of businesses offering these services.
- Practitioners offering these personal services are required to adhere to infection control procedures.

Additional information

- There is little or no mobility among the different occupations in this unit group without additional specialized training.

6563 Pet groomers and animal care workers

Animal care workers feed, handle, train and groom animals and assist veterinarians, animal health technologists and technicians and animal breeders. Pet groomers clip coats, bathe and otherwise groom pets. Workers in this group are employed by animal hospitals and clinics, animal shelters, breeding and boarding kennels, zoos, laboratories, retail pet shops, dog training schools, pet grooming establishments, or may be self-employed.

Illustrative example(s)

- animal care worker (except farm)
- dog groomer
- dog trainer
- kennel attendant
- laboratory animal attendant
- pet groomer
- pound attendant
- veterinary attendant
- zoo attendant

Exclusion(s)

- Animal health technologists and veterinary technicians (3213)
- Animal nutritionists (see 2121 Biologists and related scientists)
- Horseshoers (see 7384 Other trades and related occupations, n.e.c.)
- Marine mammal trainers (see 2121 Biologists and related scientists)
- Sheep shearers (see 8431 General farm workers)

Main duties

Workers in this group perform some or all of the following duties:

- Prepare food and feed animals, fish or birds at scheduled intervals
- Clean and disinfect cages, pens and surrounding areas
- Shampoo, clip and groom animals
- Assist veterinarians and animal health technologists and technicians to inoculate and treat animals
- Assist animal breeders to handle and nurture animals
- Assist scientists and researchers in conducting laboratory tests with animals
- Monitor and document animal behaviour
- Train dogs to obey commands and perform specific duties in response to signals.

Employment requirements

- Completion of secondary school is usually required.
- Depending on the type of work performed, training courses in animal handling, grooming or dog training are usually required. Animal health or veterinary assistant college courses may be required for animal care workers.

Additional information

- Progression to animal health technology occupations is possible with additional training.

6564 Other personal service occupations

This unit group includes occupations, not elsewhere classified, that provide psychic consulting, fortune telling, astrological services and other personal services. They are employed by call centres and personal service establishments, or are self-employed.

Illustrative example(s)

- astrologer
- chat line agent
- dating service consultant
- fortune teller
- psychic consultant
- psychic reader

Exclusion(s)

- Image, social and other personal consultants (6561)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Astrologers chart and interpret stellar and planetary positions on a horoscope to predict future events and trends for a client or the general public.
- Psychic consultants and related advisors provide personal advice to clients based on various schools of thought.
- Other service providers included in this group offer a wide variety of personal services not elsewhere classified.

Employment requirements

- A period of training under the guidance of a practitioner is usually required.

66 Sales support occupations

661 Cashiers

6611 Cashiers

Cashiers operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions. They are employed in stores, restaurants, theatres, recreational and sports establishments, currency exchange booths, government offices, business offices and other service, retail and wholesale establishments.

Illustrative example(s)

- box office cashier
- cafeteria cashier
- grocery store cashier
- office cashier
- racetrack cashier
- self-serve gas bar cashier
- theatre cashier

Exclusion(s)

- Customer services representatives - financial institutions (6551)
- Head cashiers (see 6211 Retail sales supervisors)
- Retail salespersons (6421)
- Service station attendants (6621)

Main duties

Cashiers perform some or all of the following duties:

- Greet customers
- Establish or identify price of goods, services or admission and tabulate total payment required using electronic or other cash register, optical price scanner or other equipment
- Weigh produce and bulk foods
- Receive and process payments by cash, cheque, credit card or automatic debit
- Wrap or place merchandise in bags
- Provide information to customers
- Assist sports spectators and theatre patrons with seat selection
- Calculate foreign currency exchange
- Calculate total payments received at end of work shift and reconcile with total sales
- Verify the age of customers when selling lottery tickets, alcohol or tobacco products
- May accept reservations and take-out orders
- May also stock shelves and clean check-out counter area.

Employment requirements

- Some secondary school education is usually required. High school graduation may be required by some employers.
- Eligibility for bonding may be required.
- A casino gaming licence may be required for cashiers working in gambling casinos.

Additional information

- Cashiers may progress to supervisory positions, such as head cashier, with additional training or experience.

662 Other sales support and related occupations**6621 Service station attendants**

Service station attendants employed in automotive service stations sell fuel and other automotive products and perform such services as fuelling, cleaning, lubricating and performing minor repairs to motor vehicles. Those employed in marinas sell fuel, rent boats and related equipment, and maintain marina facilities.

Illustrative example(s)

- gas station attendant (except self-serve)
- marina attendant
- service station attendant

Exclusion(s)

- Auto technicians (see 7321 Automotive service technicians, truck and bus mechanics and mechanical repairers)
- Self-serve gas bar cashiers (see 6611 Cashiers)
- Service station managers (see 0621 Retail and wholesale trade managers)
- Service station supervisors (see 6211 Retail sales supervisors)

Main duties

Automotive service station attendants perform some or all of the following duties:

- Refuel vehicles
- Perform minor service and maintenance such as washing the windshield, checking fluid levels and air pressure, and replacing parts such as tires, light bulbs and windshield-wiper blades
- Receive payment from customers
- Perform minor property maintenance duties such as sweeping service station lot, trimming shrubs, scrubbing service bays and painting curbs
- May pick up and deliver customers' cars for service station automotive repair department.

Marina service station attendants perform some or all of the following duties:

- Refuel boats
- Pump boat's marine septic system
- Rent boats, life jackets and other equipment and record rental data
- Receive payment from customers
- Maintain dock area and marina facilities and assist in seasonal moving of ramps and docks.

Employment requirements

- Some secondary school education is usually required.
- Propane and natural gas pump attendants may require an operator's licence.

6622 Store shelf stockers, clerks and order fillers

Grocery clerks and store shelf stockers pack customers' purchases, price items, stock shelves with merchandise, and fill mail and telephone orders. They are employed in retail establishments, such as grocery, hardware and department stores, and in warehouses.

Illustrative example(s)

- bag clerk
- grocery clerk
- grocery packer
- order filler - retail
- price clerk - retail
- produce clerk
- shelf stocker - retail
- supermarket clerk

Exclusion(s)

- Cashiers (6611)
- Comparison shoppers (see 6623 Other sales related occupations)
- Material handlers (7452)
- Meat counter clerks (see 6421 Retail salespersons)
- Supervisors, stock clerks (see 6211 Retail sales supervisors)

Main duties

Grocery clerks and store shelf stockers perform some or all of the following duties:

- Bag, box or parcel purchases for customers or for shipment or delivery to customers
- Carry customers' purchases to parking lot and pack in vehicles
- Unpack products received by store and count, weigh or sort items
- Use barcode scanning equipment to record incoming stock, verify pricing and maintain computerized stock inventory
- Price items using stamp or stickers according to price list
- Attach protective devices to products to protect against shoplifting
- Stock shelves and display areas and keep stock clean and in order
- Fill mail orders from warehouse stock
- Obtain articles for customers from shelf or stockroom
- Direct customers to location of articles sought
- May sweep aisles, dust display racks and perform other general cleaning duties
- May operate cash register and computer for electronic commerce transactions
- May order stock.

Employment requirements

- Some secondary school education is usually required.

6623 Other sales related occupations

This unit group includes workers who sell goods or services during home demonstrations or by telephone soliciting, retail exhibitions or street vending. They are employed by a wide range of retail and wholesale establishments, manufacturers, telemarketing companies and call centres, or they may be self-employed.

Illustrative example(s)

- canvasser - retail
- demonstrator - retail
- direct distributor - retail
- door-to-door salesperson
- home demonstrator - retail
- street vendor
- telemarketer
- telephone solicitor

Exclusion(s)

- Cashiers (6611)
- Kiosk sales clerks (see 6421 Retail salespersons)
- Retail and wholesale trade managers (0621)
- Retail sales supervisors (6211)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Direct distributors, contact potential customers by phone or through personal contacts, demonstrate and sell products directly to individual customers or at sales parties and deliver purchased goods to customers.
- Door-to-door salespersons solicit sales and sell merchandise to residents of private homes.
- Street vendors set up and display merchandise on sidewalks or at public events to sell to the public.
- Telephone solicitors and telemarketers contact businesses or private individuals, by telephone, to solicit sales for goods or services or conduct market surveys.
- Demonstrators arrange sales demonstration appointments, and show, describe and sell goods or services at wholesale, retail and industrial establishments, and at exhibitions, trade shows and private homes.

Employment requirements

- Some secondary school education is usually required. High school graduation may be required by some employers.
- Self-employed street vendors and door-to-door salespersons may require a municipal merchant's permit.

Additional information

- Progression to related supervisory positions is possible with additional training or experience.

67 Service support and other service occupations, n.e.c.

671 Food counter attendants, kitchen helpers and related support occupations

6711 Food counter attendants, kitchen helpers and related support occupations

Workers in this unit group include counter attendants, food preparers, kitchen helpers, food service helpers and dishwashers. Counter attendants and food preparers prepare, heat and finish cooking simple food items and serve customers at food counters. Kitchen helpers, food service helpers and dishwashers clear tables, clean kitchen areas, wash dishes, and perform various other activities to assist workers who prepare or serve food and beverages. They are employed by restaurants, cafes, hotels, fast food outlets, cafeterias, hospitals and other establishments.

Illustrative example(s)

- bartender helper

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- bus boy/girl
 - cook's helper
 - counter attendant, cafeteria
 - dishwasher
 - fast-food preparer
 - food counter attendant
 - food preparer
 - food service helper
 - ice cream counter attendant
 - kitchen helper
 - salad bar attendant
 - sandwich maker

Exclusion(s)

- Chefs (6321)
- Cooks (6322)
- Food and beverage servers (6513)
- Food service supervisors (6311)

Main duties

Food counter attendants and food preparers perform some or all of the following duties:

- Take customers' orders
- Clean, peel, slice and trim foodstuffs using manual and electric appliances
- Use deep fryer, grill, oven, dispensers and other equipment to prepare fast food items such as sandwiches, hamburgers, fries, salads, ice cream dishes, milkshakes and other beverages
- Portion, assemble, and wrap food or place it directly on plates for service to patrons, and package take-out food
- Use equipment to prepare hot beverages such as coffee and tea specialties
- Serve customers at counters or buffet tables
- Stock refrigerators and salad bars and keep records of the quantities of food used
- May receive payment for food items purchased.

Kitchen helpers perform some or all of the following duties:

- Wash and peel vegetables and fruit
- Wash work tables, cupboards and appliances
- Remove trash and clean kitchen garbage containers
- Unpack and store supplies in refrigerators, cupboards and other storage areas
- Sweep and mop floors, and perform other duties to assist cook and kitchen staff.

Food service helpers perform some or all of the following duties:

- Clear and clean tables and trays in eating establishments
- Bring clean dishes, flatware and other items to serving areas and set tables
- Replenish condiments and other supplies at tables and in serving areas
- Remove dishes before and after courses
- Perform other duties such as scraping and stacking dishes, carrying linen to and from laundry area and running errands.

Dishwashers perform some or all of the following duties:

- Wash dishes, glassware, flatware, pots and pans using dishwasher or by hand
- Place dishes in storage area
- Scour pots and pans, and may clean and polish silverware.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.

Additional information

- There is considerable mobility among jobs in this unit group.

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- Movement into other occupations within food preparation and service, such as cook or waiter, is possible with further training and experience.

672 Support occupations in accommodation, travel and amusement services

6721 Support occupations in accommodation, travel and facilities set-up services

This unit group includes workers who carry hotel guests' luggage and escort guests to their rooms, carry travellers' luggage at airports, in railway stations and aboard ships, clean and maintain public areas and passengers' rooms aboard ships and trains, and set up rooms and associated furnishings, commercial displays, exhibits, equipment and booths in facilities and establishments. They are employed by hotels, conference centres, retail establishments, passenger transport companies and throughout the private and public sectors.

Illustrative example(s)

- baggage porter
- banquet porter
- bellhop
- doorkeeper, hotel
- facilities porter
- hotel guest services attendant
- luggage attendant
- passenger attendant, cruise line
- room flipper
- showcase installer
- train service attendant

Exclusion(s)

- Air transport ramp attendants (7534)
- Material handlers (7452)
- Room service clerk - hotel (see 6525 Hotel front desk clerks)
- Support occupations in motion pictures, broadcasting, photography and the performing arts (5227)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Guest service attendants carry luggage for hotel guests, escort incoming guests to their rooms, check rooms to ensure they are in order, offer information regarding features of rooms, services of hotel and points of interest, assist guests with special needs, attend to group arrivals and departures, receive and deliver items and messages for guests, handle guest complaints and requests, and maintain luggage storage areas.
- Baggage porters convey travellers' luggage at railway stations and airports by hand or hand truck and arrange for ground transportation.
- Ship attendants serve food and beverages, clean cabins, make beds, wash dishes and carry luggage for passengers aboard ships.
- Train service attendants set and clear tables in dining cars, serve food and beverages, clean sleeping cars, maintain washroom supplies and ensure customer satisfaction and comfort.
- Facilities workers set-up, install, reconfigure, relocate and dismantle temporary partitions and furnishings of rooms, assemble, rotate and disassemble window displays, showcases and signage according to floor plans or instructions, assist with installation of audiovisual equipment and help in resolving problems during use and may perform minor repairs on installations and routine maintenance of audiovisual equipment.

Employment requirements

- Some secondary school education may be required.

6722 Operators and attendants in amusement, recreation and sport

This unit group includes amusement occupations such as operators of amusement rides, games and other attractions, and attendants in amusement, recreation and sports facilities who assist patrons, collect tickets and fees and supervise the use of recreational and sports equipment. They are employed by amusement parks, fairs, exhibitions, carnivals, arenas, billiard parlours, bowling alleys, golf courses, ski centres, tennis clubs, campgrounds and other recreational and sports facilities.

Illustrative example(s)

- amusement attraction operator
- amusement park attendant
- amusement ride operator
- athletic equipment custodian
- billiard parlour attendant
- bingo hall attendant
- bowling alley attendant
- campground attendant
- game concession operator
- ice maker, rink
- recreation attendant
- recreational facility attendant
- ski lift attendant
- sports attendant
- tennis court attendant

Exclusion(s)

- Casino occupations (6533)
- Other personal service occupations (6564)
- Other service support occupations, n.e.c. (6742)
- Program leaders and instructors in recreation, sport and fitness (5254)
- Supervisors of operators and attendants in amusement, recreation and sport (see 6316 Other services supervisors)

Main duties

Amusement attraction operators perform some or all of the following duties:

- Drive trucks, vans and other vehicles to transport amusement rides, games and other attractions to amusement attraction sites
- Set up rides, fun houses, game concessions and other amusement attractions
- Perform routine maintenance and safety inspections of attraction equipment
- Operate rides and other attractions, oversee game activities and ensure safety of participants
- May sell tickets.

Attendants in amusement, recreation and sport perform some or all of the following duties:

- Collect tickets and fees, and rent or sell sports and accessory equipment
- Schedule the use of recreational facilities such as golf courses, tennis courts, bowling alleys, fitness clubs, campgrounds and other similar facilities
- Operate recreational facility equipment such as ski lifts, ice rink equipment and snow making machines
- Assist patrons on and off ski lifts and amusement park rides, secure and release safety belts and bars and monitor equipment to detect wear and damage
- Clean and maintain recreational facilities and grounds.

Employment requirements

- Some secondary school education may be required.
- On-the-job training is usually provided.

673 Cleaners

6731 Light duty cleaners

Light duty cleaners clean the lobbies, hallways, offices and rooms of hotels, motels, resorts, hospitals, schools, office and other buildings, and private residences. They are employed by hotels, motels, resorts, recreational facilities, hospitals and other institutions, building management companies, cleaning service companies and private individuals.

Illustrative example(s)

- cleaner
- hospital cleaner
- hotel cleaner
- house cleaner
- housekeeping aide
- housekeeping room attendant
- light duty cleaner
- office cleaner
- sweeper

Exclusion(s)

- Cleaning supervisors (6315)
- Janitors, caretakers and building superintendents (6733)
- Specialized cleaners (6732)

Main duties

Light duty cleaners perform some or all of the following duties:

- Sweep, mop, wash, wax and polish floors
- Dust furniture and vacuum carpeting and area rugs, draperies and upholstered furniture
- Make beds, change sheets and distribute clean towels and toiletries
- Attend to guests' requests for extra supplies
- Stock linen closet and supplies area
- Clean, disinfect and polish kitchen and bathroom fixtures and appliances
- Clean and disinfect public areas such as changing rooms, showers and elevators
- Disinfect operating rooms and other hospital areas
- Pick up debris and empty trash containers
- Wash windows, walls and ceilings.
- Report and store lost and found items
- May provide basic information on facilities
- May handle complaints.

Employment requirements

- There are no specific education requirements for occupations in this unit group.
- Certification for housekeeping room attendants or similar certification may be required by some employers.

Additional information

- Progression to supervisory cleaning positions is possible with additional training or experience.

6732 Specialized cleaners

Specialized cleaners clean and refurbish building exteriors, carpets, chimneys, industrial equipment, ventilation systems, windows and other surfaces, using specialized equipment and techniques. They are employed by specialized cleaning service companies or they may be self-employed.

Illustrative example(s)

- auto detailer

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- building exterior cleaner
 - carpet cleaner
 - chimney cleaner
 - freight car cleaner
 - furnace cleaner
 - laboratory equipment cleaner
 - sandblaster
 - septic tank cleaner
 - upholstery cleaner
 - vehicle cleaner
 - ventilation system cleaner
 - window cleaner

Exclusion(s)

- Cleaning supervisors (6315)
- Janitors, caretakers and building superintendents (6733)
- Light duty cleaners (6731)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Carpet and upholstery cleaners operate cleaning machines to clean carpets, rugs and upholstered furniture on customers' premises or in carpet and upholstery cleaning establishments.
- Chimney cleaners clean soot and creosote from chimneys and fireplaces using hand tools and industrial vacuum cleaners.
- Furnace and ventilation system cleaners clean ducts, vents and filters of furnaces in residences and commercial buildings using hand tools and industrial vacuum cleaners.
- Sandblasters clean building exteriors, tanks, chimneys and industrial equipment using sandblasting, pressurized steam or hydroblasting equipment.
- Vehicle cleaners clean the interior and exterior of automobiles, buses, streetcars, railway cars and subway cars.
- Window cleaners wash and clean interior and exterior windows and other glass surfaces in low-rise and highrise buildings.

Employment requirements

- There are no specific education requirements for occupations in this unit group.
- On-the-job training is usually provided.
- Previous experience in a related position may be required for some occupations in this unit group.

Additional information

- Progression to supervisory positions is possible with additional training or experience.

6733 Janitors, caretakers and building superintendents

Janitors, caretakers and building superintendents clean and maintain the interior and exterior of commercial, institutional and residential buildings and their surrounding grounds. Building superintendents employed in large establishments are responsible for the operation of the establishment and may also supervise other workers. They are employed by office and apartment building management companies, condominium corporations, educational institutions, health care facilities, recreational and shopping facilities, religious establishments, and industrial and other establishments.

Illustrative example(s)

- building caretaker
- building superintendent
- custodian
- handyman/woman
- heavy-duty cleaner

- industrial cleaner
- plant cleaner
- school janitor

Exclusion(s)

- Cleaning supervisors (6315)
- Light duty cleaners (6731)
- Specialized cleaners (6732)

Main duties

Janitors, caretakers and building superintendents perform some or all of the following duties:

- Operate industrial vacuum cleaners to remove scraps, dirt, heavy debris and other refuse
- Wash windows, interior walls and ceilings
- Empty trash cans and other waste containers
- Sweep, mop, scrub and wax hallways, floors and stairs
- Clean snow and ice from walkways and parking areas
- Cut grass and tend grounds
- Clean and disinfect washrooms and fixtures
- Make adjustments and minor repairs to heating, cooling, ventilating, plumbing and electrical systems, and contact tradespersons for major repairs
- Perform other routine maintenance jobs such as painting and drywall repair
- May water and tend to plants
- May move heavy furniture, equipment and supplies
- Ensure that security and safety measures are in place in the establishment
- May advertise vacancies, show apartments and offices to prospective tenants and collect rent
- May supervise other workers.

Employment requirements

- Completion of secondary school may be required.
- Some occupations in this unit group require previous cleaning and maintenance experience.
- A journeyman/woman certificate in one or more of the trades or a building operator certificate may be required for building superintendents.

Additional information

- Progression to supervisory positions is possible with additional training or experience.

674 Other service support and related occupations, n.e.c.**6741 Dry cleaning, laundry and related occupations**

Dry cleaning and laundry machine operators operate machines to dry-clean or launder garments and other articles. Dry cleaning and laundry inspectors and assemblers check finished garments and other articles to ensure that they meet required standards for dry-cleaning, laundering and pressing, and assemble and bag finished garments and other articles. This unit group also includes workers who iron, press or otherwise finish garments and household articles. Workers in this unit group are employed in dry cleaning, laundry and fur cleaning establishments, and in the laundries of hotels, hospitals and other institutions.

Illustrative example(s)

- assembler, laundry and dry cleaning
- bagger, laundry and dry cleaning
- drapery cleaner
- dry cleaner
- dyer, laundry and dry cleaning
- finisher - laundry and dry cleaning
- fur cleaner - laundry and dry cleaning
- hand finisher - laundry and dry cleaning

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- inspector - laundry and dry cleaning
 - laundry machine operator
 - laundry worker
 - leather cleaner - laundry and dry cleaning
 - presser - laundry and dry cleaning
 - pressing machine tender - laundry and dry cleaning
 - silk finisher - laundry and dry cleaning
 - steam finisher - laundry and dry cleaning
 - suede cleaner - laundry and dry cleaning

Exclusion(s)

- Alterers (see 6342 Tailors, dressmakers, furriers and milliners)
- Dry cleaning and laundry services supervisors (see 6316 Other services supervisors)
- Dry cleaning service managers (see 0651 Managers in customer and personal services, n.e.c.)

Main duties

Dry cleaning and laundry machine operators perform some or all of the following duties:

- Operate dry cleaning machines to dry-clean dresses, suits, coats, sweaters and other garments, draperies, cushion covers and other articles
- Operate washing machines and dryers to clean and dry garments, sheets, blankets, towels and other articles
- Operate machines to clean and blow-dry fur garments
- Operate machines to dry-clean, dye, spray, re-oil, and re-buff suede and leather garments.

Dry cleaning and laundry inspectors and assemblers perform some or all of the following duties:

- Check finished garments and other articles to ensure that they are properly dry-cleaned or laundered
- Record damaged or improperly dry-cleaned or laundered garments and other articles
- Use hand-held steam iron to touch up finished garments and other articles
- Assemble and bag finished garments and other articles
- Match invoices with tags on garments or other articles.

Ironing, pressing and finishing workers perform some or all of the following duties:

- Operate finishing equipment such as steam pressers, and use hand irons to finish pants, jackets, shirts, skirts and other dry cleaned and laundered articles
- Hand iron laundered fine linens or dry-cleaned silk garments
- Operate fur ironing and glazing equipment to finish fur garments and other fur articles
- Fold and bag dry cleaned and laundered articles
- May operate laundering equipment.

Workers in this group may specialize in finishing suede, leather, fur and delicate articles.

Employment requirements

- Some secondary school education is required.
- Four to eight weeks of on-the-job training are usually provided.
- Dry cleaning and laundry machine operators may require experience as inspectors or assemblers.
- Suede, leather and fur cleaners may require experience as dry cleaning or laundry machine operators.

Additional information

- Progression to supervisory dry cleaning and laundry occupations is possible with additional training and experience.

6742 Other service support occupations, n.e.c.

This unit group includes other support occupations, not elsewhere classified, primarily concerned with the provision of services. Those in occupations in this unit group are employed by a wide range of establishments, and may be self-employed.

Illustrative example(s)

- beauty salon attendant
- car jockey
- cloakroom attendant
- door attendant (except hotel)
- funeral home attendant
- fur storage attendant
- hotel valet
- laundromat attendant
- parking lot attendant
- shoe shiner
- tanning salon attendant
- theatre usher
- ticket taker
- toll booth attendant

Exclusion(s)

- Operators and attendants in amusement, recreation and sport (6722)
- Supervisors of service support workers in this unit group (see 6316 Other services supervisors)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Beauty salon attendants shampoo, condition and dry customers' hair, assist hair stylists as directed and keep work areas clean.
- Door attendants assist persons entering or leaving residential buildings, theatres and similar establishments and may hail taxis and assist with parcels.
- Funeral home attendants drive hearses, arrange lights and floral displays, escort mourners, act as pallbearers and clean funeral parlours and chapels.
- Laundromat attendants replenish vending machines, provide change, explain operation of machines to customers, clean the laundromat and arrange for the repair of broken machines and may wash, dry and fold laundry for customers; may operate dry cleaning machines for customers.
- Parking lot attendants and car jockeys collect parking fees, issue ticket stubs, direct customers to parking spaces and park cars.
- Ticket takers and ushers collect admission tickets or passes from patrons at entertainment events and direct patrons to their seats.
- Other related elemental workers in this group perform services specific to the establishments in which their occupations are found.

Employment requirements

- There are no specific education requirements for occupations in this unit group.
- A valid driver's licence is required for some occupations in this unit group, such as funeral attendant and car jockey.

7 Trades, transport and equipment operators and related occupations

72 Industrial, electrical and construction trades

720 Contractors and supervisors, industrial, electrical and construction trades and related workers

7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations

This unit group includes sheet metal, ironwork, welding and boilermaking trade contractors who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers classified in the following unit groups: *Machinists and Machining and Tooling Inspectors* (7231), *Tool and Die Makers* (7232), *Sheet Metal Workers* (7233), *Boilermakers* (7234), *Structural Metal and Platework Fabricators and Fitters* (7235), *Ironworkers* (7236), *Welders and Related Machine Operators* (7237) and *Machining Tool Operators* (9417). They are employed by structural, platework and related metal products fabrication, manufacturing and erecting companies and machine shops.

Illustrative example(s)

- contractor, ironwork
- foreman/woman, automotive machine shop
- foreman/woman, blacksmiths
- foreman/woman, boilermakers
- foreman/woman, ironworkers
- foreman/woman, machinists
- foreman/woman, maintenance machine shop
- foreman/woman, tool and die makers
- supervisor, boilermakers
- supervisor, machine shop
- supervisor, machinists
- supervisor, metal mould and metal patternmakers
- supervisor, sheet metal workers
- supervisor, structural metal fitters
- supervisor, tool and die inspectors
- supervisor, welders

Exclusion(s)

- CAD-CAM and CMM programmers (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Supervisors, motor vehicle assembling (9221)
- Supervisors, other mechanical and metal products manufacturing (9226)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who shape, form and join metal parts or products to specified dimensions, machine metal into parts, products, tools and dies or moulds with precise measurements and erect light and heavy metal products and structures
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare production and other reports

- Set up machines and equipment and write programs for computer numerically controlled (CNC) machine tools
- May manage the operations of their own companies
- May also supervise, co-ordinate and schedule the activities of related apprentices, machine operators, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a qualified machinist or tool and die maker are required.
- Journeyman/woman trade certification in machining, tool and die making or in another related metalworking trade is required.

7202 Contractors and supervisors, electrical trades and telecommunications occupations

This unit group includes telecommunications and electrical trade contractors who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers classified in the following unit groups: *Electricians (7241)*, *Industrial Electricians (7242)*, *Power System Electricians (7243)*, *Electrical Power Line and Cable Workers (7244)*, *Telecommunications Line and Cable Workers (7245)*, *Telecommunications Installation and Repair Workers (7246)* and *Cable Television Service and Maintenance Technicians (7247)*. They are employed in a wide range of establishments; places of employment are indicated in the above unit group descriptions.

Illustrative example(s)

- electrical contractor
- foreman/woman, cablevision technicians
- foreman/woman, construction electricians
- foreman/woman, industrial electricians
- foreman/woman, power line and cable workers
- foreman/woman, power system electricians
- foreman/woman, telecommunications installation and repair workers
- supervisor, cable maintenance and repair
- supervisor, plant electricians
- supervisor, residential electricians

Exclusion(s)

- Foreman/woman of electrical mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who install, repair and maintain electrical wiring, fixtures and control devices, power systems, telecommunication systems and cablevision systems
- Establish methods to meet work schedules and co-ordinate work activities with other departments or subcontractors
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare work progress reports
- May manage the operations of their own companies
- May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

Additional information

- There is some mobility between jobs within a specific trade; however, there is little or no intertrade mobility.

7203 Contractors and supervisors, pipefitting trades

This unit group includes plumbing and other pipefitting trade contractors who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers classified in the following unit groups: *Plumbers* (7251), *Steamfitters, Pipefitters and Sprinkler System Installers* (7252) and *Gas Fitters* (7253). They are employed by construction companies, mechanical, plumbing and pipefitting trade contractors and maintenance departments of industrial, commercial and manufacturing establishments.

Illustrative example(s)

- contractor, pipefitting
- contractor, plumbing
- foreman/woman, gas fitters
- foreman/woman, pipefitters
- foreman/woman, plumbers
- foreman/woman, sprinkler system installers
- foreman/woman, steamfitters
- supervisor, gas fitters
- supervisor, plumbers
- supervisor, steamfitters

Exclusion(s)

- Contractors and supervisors, other construction trades, installers, repairers and servicers (7205)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who install, repair and maintain piping systems used for the transmission of steam, heat, water, oil and other liquids and gases in residential, commercial, industrial and other installations
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare schedules and other reports
- May manage the operations of their own companies
- May supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are required.
- Journeyman/woman trade certification in a relevant trade is required.

Additional information

- There is little or no intertrade mobility among the supervisors in this unit group.

7204 Contractors and supervisors, carpentry trades

This unit group includes carpentry and cabinetmaking trade contractors who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers classified in the following unit groups: *Carpenters* (7271) and *Cabinetmakers* (7272). They are employed by construction companies, carpentry contractors, maintenance departments of industrial establishments, and custom furniture and fixture manufacturing or repair companies.

Illustrative example(s)

- cabinetmaking contractor
- carpentry contractor
- foreman/woman, finish carpenters
- foreman/woman, form builders
- foreman/woman, framers
- foreman/woman, maintenance carpenters
- supervisor, carpenters

Exclusion(s)

- Construction managers (0711)
- Home building and renovation managers (0712)
- Supervisors, furniture and fixtures manufacturing (9224)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of carpenters who construct, renovate and maintain structures of wood and other building materials and build and install interior finishing in residential, commercial and industrial buildings; and of cabinetmakers who construct and repair custom wooden cabinets, furniture, fixtures and related products
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Ensure standards for safe working conditions are observed
- Prepare schedules and other reports
- May manage the operations of their own companies
- May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a qualified carpenter or cabinetmaker are required.
- Journeyman/woman trade certification as a carpenter or cabinetmaker is usually required.

Additional information

- There is some mobility among jobs within a specific trade; however, there is little or no intertrade mobility.

7205 Contractors and supervisors, other construction trades, installers, repairers and servicers

This unit group includes roofing, masonry, painting and other construction trade contractors, not elsewhere classified, who own and operate their own business. Supervisors in this unit group supervise and co-ordinate the activities of various tradespersons, installers, repairers and servicers classified in the following minor groups: *Masonry and Plastering Trades (728)*, *Other Construction Trades (729)* and *Other Installers, Repairers and Servicers (744)*. They are employed by a wide range of establishments; places of employment are indicated in the unit group descriptions. This unit group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.

Illustrative example(s)

- bricklaying contractor
- cement finishing contractor
- foreman/woman, glaziers
- foreman/woman, insulators
- foreman/woman, plasterers
- painting contractor
- pest control supervisor

- roofing contractor
- supervisor, bicycle repair shop
- supervisor, painters and decorators
- supervisor, tilesetters

Exclusion(s)

- Contractors and supervisors, carpentry trades (7204)
- Contractors and supervisors, pipefitting trades (7203)
- Electrical contractors and supervisors of electricians (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)
- Ironwork contractors and supervisors of ironworkers (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of construction workers engaged in bricklaying, roofing, cement finishing, tilesetting, plastering, drywall installation, glazing, insulating and painting, and workers who install and service prefabricated products in residential and commercial properties, as well as workers who repair a wide variety of products, such as musical instruments, sports equipment, vending machines, bicycles and cameras
- Establish methods to meet work schedules and co-ordinate work activities with other subcontractors
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare work progress reports
- May manage the operations of own company
- May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience in the trade or in the work area supervised are usually required.
- Journeyman/woman trade certification may be required for some occupations in this unit group.

Additional information

- There is little or no mobility among supervisors in this unit group.

723 Machining, metal forming, shaping and erecting trades**7231 Machinists and machining and tooling inspectors**

Machinists set up and operate a variety of machine tools to cut or grind metal, plastic or other materials to make or modify parts or products with precise dimensions. Machining and tooling inspectors inspect machined parts and tooling in order to maintain quality control standards. They are employed by machinery, equipment, motor vehicle, automotive parts, aircraft and other metal products manufacturing companies and by machine shops.

Illustrative example(s)

- automotive machinist
- aviation machinist
- general machinist
- machine shop inspector
- machined parts inspector
- machining inspector
- machinist
- machinist apprentice
- tooling inspector

Exclusion(s)

- CAD-CAM programmers (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (7201)
- Machining tool operators (9417)
- Tool and die makers (7232)

Main duties

Machinists perform some or all of the following duties:

- Read and interpret engineering drawings, blueprints, charts and tables or study sample parts to determine machining operation to be performed, and plan best sequence of operations
- Compute dimensions and tolerances and measure and lay out work pieces
- Set up, operate and maintain a variety of machine tools including computer numerically controlled (CNC) tools to perform precision, non-repetitive machining operations such as sawing, turning, milling, boring, planing, drilling, precision grinding and other operations
- Fit and assemble machined metal parts and subassemblies using hand and power tools
- Verify dimensions of products for accuracy and conformance to specifications using precision measuring instruments
- May set up and program machine tools for use by machining tool operators.

Machining and tooling inspectors perform some or all of the following duties:

- Verify dimensions of machined parts or tooling using micrometers, verniers, callipers, height gauges, optical comparators, co-ordinate measuring machines (CMM) or other specialized measuring instruments
- Maintain, repair and calibrate precision measuring instruments such as dial indicators, fixed gauges, height gauges and other measuring devices
- Report deviations from specifications and tolerances to supervisor
- Complete and maintain inspection reports.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program or
A combination of over four years of work experience in the trade and some college or industry courses in machining is usually required to be eligible for trade certification.
- Trade certification for machinists is available, but voluntary, in all provinces and territories.
- Trade certification for automotive machinists is available, but voluntary, in Ontario.
- Trade certification for machinists (CNC) is available, but voluntary, in New Brunswick, Québec and Manitoba.
- Several years of experience as a machinist, tool and die maker or machining tool operator may be required for machining and tooling inspectors.
- Red Seal endorsement is also available to qualified machinists upon successful completion of the interprovincial Red Seal examination.

Additional information

- Familiarity with exotic and composite materials may be required for machinists in aviation and other advanced manufacturing sectors.
- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7232 Tool and die makers

Tool and die makers make, repair and modify custom-made, prototype or special tools, dies, jigs, fixtures and gauges using various metals, alloys and plastics which require precise dimensions. They are employed primarily in manufacturing industries such as automobile, aircraft, metal fabrication, electrical machinery and plastics, and in tool and die, mould making and machine shops. This unit group also includes metal patternmakers and metal mould makers.

Illustrative example(s)

- die finisher
- die maker
- jig maker
- metal mould maker
- metal patternmaker
- metal patternmaker apprentice
- mould maker - plastics processing
- mould maker apprentice
- tool and die maker
- tool and die maker apprentice
- toolmaker

Exclusion(s)

- Machining tool operators (9417)
- Machinists and machining and tooling inspectors (7231)
- Manual and machine mould makers and core makers (see 9412 Foundry workers)
- Supervisors of tool and die makers, metal mould makers and patternmakers (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

Main duties

Tool and die makers perform some or all of the following duties:

- Read and interpret engineering drawings and specifications of tools, dies, prototypes or models
- Prepare templates and sketches, and determine work processes
- Compute dimensions and tolerances and set up machine tools
- Position, secure, measure and work metal stock or castings to lay out for machining
- Set up, operate and maintain a variety of conventional and computer numerically controlled (CNC) machine tools to cut, turn, mill, plane, drill, bore, grind or otherwise shape workpiece to prescribed dimensions and finish
- Verify machined parts for conformance to specifications using precision measuring instruments such as verniers, callipers, micrometers, co-ordinate measuring machines (CMM) and electronic measuring devices
- Fit and assemble or disassemble parts using hand tools
- Test completed tools, dies, jigs or fixtures for proper operation
- May program CNC machine tools.

Metal patternmakers perform some or all of the following duties:

- Machine, fit and assemble castings and other parts to make precision models of required shape such as metal patterns, core boxes and match plates
- Lay out, shape and assemble patterns of metal, wood, plastic and other materials from blueprints, models or templates
- May program CNC machine tools.

Metal mould makers perform some or all of the following duties:

- Machine, fit and assemble parts to make metal moulds and cores for plastic injection moulding, or other production processes
- May program CNC machine tools.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- or five-year tool and die making apprenticeship program
or
A combination of over five years of work experience in the trade and some high school, college or industry courses in tool and die making is usually required to be eligible for tool and die trade certification.
- Tool and die making trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Alberta and British Columbia.
- Red Seal endorsement is also available to qualified tool and die makers upon successful completion of the interprovincial Red Seal examination.

- Mould makers usually require completion of a four-year apprenticeship or college program in mould making.
- Trade certification for mould makers is available, but voluntary, in Quebec and Ontario.
- Patternmakers usually require completion of an apprenticeship or college program in patternmaking.
- Patternmaking trade certification is available, but voluntary, in Ontario.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7233 Sheet metal workers

Sheet metal workers fabricate, assemble, install and repair sheet metal products. They are employed by sheet metal fabrication shops, sheet metal products manufacturing companies, sheet metal work contractors and various industrial sectors.

Illustrative example(s)

- apprentice sheet metal worker
- sheet metal fabricator
- sheet metal mechanic
- sheet metal worker
- tinsmith

Exclusion(s)

- Aircraft sheet metal technicians (see 7315 Aircraft mechanics and aircraft inspectors)
- Boilermakers (7234)
- Ironworkers (7236)
- Metalworking and forging machine operators (9416)
- Structural metal and platework fabricators and fitters (7235)
- Supervisors of sheet metal workers (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

Main duties

Sheet metal workers perform some or all of the following duties:

- Read engineering and architectural drawings, sketches and work specifications to be performed, and lay out, measure and mark sheet metal according to drawings or templates
- Develop patterns for sheet metal using computer-assisted design and drafting (CAD) software package
- Operate light metalworking machines such as shears, brakes, punches, and drill presses, including computer numerical control (CNC) equipment to cut, bend, punch, drill, shape or straighten sheet metal
- Operate computerized laser or plasma cutting equipment to cut sheet metal
- Install and use rigging and hoisting equipment
- Fit and join sheet metal parts using riveting, welding, soldering and similar equipment to fabricate products such as ventilation shafts, exhaust hoods, eavestroughs, partition frames, air and heat ducts, material handling systems, roof decking and sheet metal buildings
- Install sheet metal products according to specifications and building codes
- Grind and buff seams, joints and rough surfaces
- Inspect product quality and installation to ensure conformance to specifications.

Sheet metal workers may specialize in on-site installation or shop manufacture of sheet metal products, or servicing and maintenance of installed equipment and systems.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three to five year apprenticeship program
or
A combination of over four years of work experience in the trade and some high school, college or industry courses in sheet metal working is usually required to be eligible for trade certification.

- Trade certification is compulsory in Quebec, Ontario, Saskatchewan and Alberta, and available, but voluntary, in all other provinces and the territories.
- Trade certification for precision sheet metal set-up operator is available, but voluntary in Québec.
- Red Seal endorsement is also available to qualified sheet metal workers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7234 Boilermakers

Boilermakers fabricate, assemble, erect, test, maintain and repair boilers, vessels, tanks, towers, heat exchangers and other heavy-metal structures. They are employed in boiler fabrication, manufacturing, shipbuilding, construction, electric power generation and similar industrial establishments.

Illustrative example(s)

- boiler fitter
- boiler installer
- boilermaker
- boilermaker apprentice
- construction boilermaker
- industrial boilermaker
- marine boilermaker
- pressure vessel fabricator

Exclusion(s)

- Ironworkers (7236)
- Structural metal and platework fabricators and fitters (7235)
- Supervisors of boilermakers (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Welders and related machine operators (7237)

Main duties

Boilermakers perform some or all of the following duties:

- Read blueprints or specifications to plan sequence of operation
- Lay out plate, sheet steel or other heavy metal and mark bending and cutting lines on work piece using protractors, compasses and drawing instruments or templates
- Set up and operate heavy-metal working machines such as brakes, rolls, shears, flame cutters and drill presses to cut, shape and form metal into parts or sections
- Fit and weld metal parts or sections together to fabricate boilers, vessels, tanks, heat exchangers, piping and other heavy-metal products
- Erect and install boilers and other heavy-metal products according to specifications using hand and power tools
- Repair and perform maintenance work on boilers and other heavy-metal products
- Direct activities of hoist or crane operators and other workers during fabrication, assembly, installation or repair of structures
- Test finished structures using a variety of methods.

Boilermakers may specialize in rigging and hoisting, preparation and layout, or welding aspects of the trade.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program

or

A combination of over four years of work experience in the trade and some high school, college or industry courses in boilermaking is usually required to be eligible for trade certification.

- Trade certification is compulsory in Nova Scotia, Quebec and Alberta and available, but voluntary, in all other provinces.
- Red Seal endorsement is also available to qualified boilermakers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7235 Structural metal and platework fabricators and fitters

Structural metal and platework fabricators and fitters fabricate, assemble, fit and install steel or other metal components for buildings, bridges, tanks, towers, boilers, pressure vessels and other similar structures and products. They are employed in structural steel, boiler and platework fabrication plants and by heavy machinery manufacturing and shipbuilding companies.

Illustrative example(s)

- metal fabricator
- plater
- platework fitter
- shipfitter
- shipfitter apprentice
- steel fabricator
- structural steel fitter

Exclusion(s)

- Boilermakers (7234)
- Metalworking and forging machine operators (9416)
- Structural steel erectors (see 7236 Ironworkers)
- Supervisors of structural metal and platework fabricators and fitters (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Welders and related machine operators (7237)

Main duties

Structural metal and platework fabricators and fitters perform some or all of the following duties:

- Study engineering drawings and blueprints, determine the materials required, and plan the sequence of tasks to cut metal most efficiently
- Construct patterns and templates as guides for layouts
- Lay out reference points and patterns on heavy metal according to component specifications
- Rig, hoist and move materials to storage areas or within worksite
- Assemble and fit metal sections and plates to form complete units or subunits using tack welding, bolting, riveting or other methods
- Set up and operate various heavy-duty metal-working machines such as brake presses, shears, cutting torches, grinders and drills, including computer numerical control (CNC) equipment, to bend, cut, form, punch, drill or otherwise form heavy-metal components
- Install fabricated components in final product.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program
or
A combination of over four years of work experience in the trade and some college or industry courses in structural steel and platework fabrication is usually required to be eligible for trade certification.
- Trade certification for metal fabricator (fitter) is available, but voluntary, in all provinces.
- Trade certification for marine fitters is available, but voluntary, in Nova Scotia.

- Trade certification for marine mechanical technicians and marine repair technicians is available, but voluntary, in British Columbia.
- Trade certification for boiler and related equipment assemblers and structural metal fabricators (non-construction) is available, but voluntary, in Québec.
- Red Seal endorsement is also available to qualified metal fabricators (fitters) upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Some structural metal and platework fabricators and fitters may also be certified as skilled welders.
- Progression to supervisory positions is possible with experience.

7236 Ironworkers

Ironworkers fabricate, erect, hoist, install, repair and service structural ironwork, precast concrete, concrete reinforcing materials, curtain walls, ornamental iron and other metals used in the construction of buildings, bridges, highways, dams and other structures and equipment. They are employed by construction ironwork contractors.

Illustrative example(s)

- ironworker
- ironworker - metal building systems erector
- ironworker apprentice
- ornamental ironworker
- reinforcing ironworker
- structural steel erector

Exclusion(s)

- Boilermakers (7234)
- Structural metal and platework fabricators and fitters (7235)
- Supervisors of ironworkers (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)

Main duties

Ironworkers perform some or all of the following duties:

- Read blueprints and specifications to lay out work
- Unload and position steel units so each piece can be hoisted as needed
- Erect and install scaffolding, hoisting equipment and rigging
- Signal crane operator to position steel units according to blueprints
- Align and weld or bolt steel units in place
- Erect structural and architectural precast concrete components for buildings, bridges, towers and other structures
- Assemble and erect prefabricated metal structures
- Position and secure steel bars or metal mesh in concrete forms to reinforce concrete structures
- Install ornamental and other structural metalwork such as curtain walls, metal stairways, railings and power doors
- Examine structures and equipment for deterioration, defects or non-compliance with specifications
- May dismantle structures and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program
or
Over three years of work experience in the trade and some high school, college or industry courses in ironworking are usually required to be eligible for trade certification.

- Trade certification for ironworker (generalist) is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba and British Columbia.
- Trade certification for ironworker (reinforcing) is compulsory in Quebec and Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan and British Columbia.
- Trade certification for ironworker (structural/ornamental) is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan and British Columbia.
- Trade certification for ironworker (metal building systems erector) is compulsory in Alberta.
- Red Seal endorsement is also available to qualified ironworkers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7237 Welders and related machine operators

Welders operate welding equipment to weld ferrous and non-ferrous metals. This unit group also includes machine operators who operate previously set up production welding, brazing and soldering equipment. They are employed by companies that manufacture structural steel and platework, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops, or they may be self-employed.

Illustrative example(s)

- aviation welding technician
- brazing machine operator
- brazing machine setter
- electric arc welder
- journeyman/woman welder
- laser welding operator
- pressure vessel welder
- production welder
- soldering machine operator
- spot welder
- submerged arc welder
- welder
- welder apprentice
- welder-fitter

Exclusion(s)

- Supervisors of welders in this unit group (see 7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations)
- Wave soldering machine operators (see 9523 Electronics assemblers, fabricators, inspectors and testers)
- Welding inspectors (see 2261 Non-destructive testers and inspection technicians)
- Welding technologists (see 2212 Geological and mineral technologists and technicians)

Main duties

Welders perform some or all of the following duties:

- Read and interpret blueprints or welding process specifications
- Operate manual or semi-automatic welding equipment to fuse metal segments using processes such as gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), plasma arc welding (PAW), shielded metal arc welding (SMAW), oxy-acetylene welding (OAW), resistance welding and submerged arc welding (SAW)
- Operate manual or semi-automatic flame-cutting equipment
- Operate brazing and soldering equipment

- Operate metal shaping machines such as brakes, shears and other metal straightening and bending machines
- Repair worn parts of metal products by welding on extra layers.

Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, aerospace precision welding, pressure vessel welding, pipeline construction welding, structural construction welding, or machinery and equipment repair welding.

Welding, brazing and soldering machine operators perform some or all of the following duties:

- Operate previously set up welding machines such as spot, butt and seam resistance or gas and arc welding machines to fabricate or repair metal parts
- Operate previously set up brazing or soldering machines to bond metal parts or to fill holes, indentations and seams of metal articles with solder
- Start up, shut down, adjust and monitor robotic welding production line
- Assist with the maintenance and repair of welding, brazing and soldering equipment
- May adjust welding heads and tooling according to work specifications.

Employment requirements

Welders

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program or
A combination of over three years of work experience in the trade and some college or industry courses in welding is usually required to be eligible for trade certification.
- Trade certification is compulsory in Alberta and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified welders upon successful completion of the interprovincial Red Seal examination.

Welding, brazing and soldering machine operators

- Some secondary school education is required.
- Several months of on-the-job training are usually provided.
- Experience as a machine operator helper may be required.
- Experience with robotics may be required.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

724 Electrical trades and electrical power line and telecommunications workers

7241 Electricians (except industrial and power system)

Electricians in this unit group lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures. They are employed by electrical contractors and maintenance departments of buildings and other establishments, or they may be self-employed.

Illustrative example(s)

- apprentice electrician
- construction electrician
- construction electrician apprentice
- domestic and rural electrician
- electrician

Exclusion(s)

- Electrical mechanics (7333)
- Industrial electricians (7242)
- Power system electricians (7243)

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- Supervisors of electricians (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Electricians in this unit group perform some or all of the following duties:

- Read and interpret drawings, circuit diagrams and electrical code specifications to determine wiring layouts for new or existing installations
- Pull wire through conduits and through holes in walls and floors
- Install brackets and hangers to support electrical equipment
- Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels
- Splice, join and connect wire to fixtures and components to form circuits
- Test continuity of circuits using test equipment to ensure compatibility and safety of system, following installation, replacement or repair
- Troubleshoot and isolate faults in electrical and electronic systems and remove and replace faulty components
- Connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems
- Conduct preventive maintenance programs and keep maintenance records.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program is usually required.
- Trade certification for construction electricians is compulsory in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Trade certification for electricians (domestic and rural) is compulsory in Newfoundland and Labrador and Ontario.
- Trade certification for electrical control (machine) builders is available, but voluntary, in Ontario.
- Red Seal endorsement is also available to qualified construction electricians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7242 Industrial electricians

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments.

Illustrative example(s)

- electrician, shipyard
- industrial electrician
- industrial electrician apprentice
- marine electrician
- mill electrician
- mine electrician
- plant electrician
- plant maintenance electrician

Exclusion(s)

- Construction electricians (see 7241 Electricians (except industrial and power system))
- Power system electricians (7243)

- Supervisors of industrial electricians (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Industrial electricians perform some or all of the following duties:

- Read and interpret drawings, blueprints, schematics and electrical code specifications to determine layout of industrial electrical equipment installations
- Install, examine, replace or repair electrical wiring, receptacles, switch boxes, conduits, feeders, fibre-optic and coaxial cable assemblies, lighting fixtures and other electrical components
- Test electrical and electronic equipment and components for continuity, current, voltage and resistance
- Maintain, repair, install and test switchgear, transformers, switchboard meters, regulators and reactors
- Maintain, repair, test and install electrical motors, generators, alternators, industrial storage batteries and hydraulic and pneumatic electrical control systems
- Troubleshoot, maintain and repair industrial, electrical and electronic control systems and other related devices
- Conduct preventive maintenance programs and keep maintenance records
- May install, maintain and calibrate industrial instrumentation and related devices.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- or five-year industrial electrician apprenticeship program or
A combination of over five years of work experience in the trade and some high school, college or industry courses in industrial electrical equipment is usually required to be eligible for trade certification.
- Trade certification for industrial electricians is compulsory in Prince Edward Island, Quebec and Manitoba and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, New Brunswick, Ontario, British Columbia and the Yukon.
- Additional construction electrician certification may be required for industrial electricians when the employers are not owners of the industrial electrical equipment.
- Red Seal endorsement is also available to qualified industrial electricians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7243 Power system electricians

Power system electricians install, maintain, test and repair electrical power generation, transmission and distribution system equipment and apparatus. They are employed by electric power generation, transmission and distribution companies.

Illustrative example(s)

- apprentice power system electrician
- power electrician
- power station electrician
- power system electrician

Exclusion(s)

- Electrical mechanics (7333)
- Electrical power line and cable workers (7244)
- Electricians (except industrial and power system) (7241)
- Industrial electricians (7242)
- Supervisors of power system electricians (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Power system electricians perform some or all of the following duties:

- Install and maintain electrical power distribution equipment such as transformers, generators, voltage regulators, switches, circuit breakers, capacitors, inductors, and supervisory control and data acquisition (SCADA) systems
- Install and maintain electrical equipment and apparatus in generating stations or powerhouses
- Inspect and test installed electrical equipment and apparatus to locate electrical faults and check their operation, using volt meters, ammeters and other electrical test instruments and equipment
- Repair or replace faulty electrical equipment and apparatus
- Complete test and maintenance reports.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program for power system electricians or
A combination of over four years of work experience in the trade and some college or industry courses in electrical technology is usually required.
- Trade certification is available, but voluntary, in Manitoba, Alberta, the Yukon, the Northwest Territories and Nunavut.

Additional information

- Progression to supervisory positions is possible with experience.

7244 Electrical power line and cable workers

Electrical power line and cable workers construct, maintain and repair overhead and underground electrical power transmission and distribution systems. They are employed by electric power generation, transmission and distribution companies, electrical contractors and public utility commissions.

Illustrative example(s)

- apprentice lineman/woman - electric power systems
- cable installer - electrical power
- cable splicer - electrical power
- construction lineman/woman - electrical power line
- power line patroller
- power lineman/woman
- powerline technician

Exclusion(s)

- Other linemen/women and cable installers (see 7245 Telecommunications line and cable workers)
- Power system electricians (7243)
- Supervisors of electrical power line and cable workers (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Electrical power line and cable workers perform some or all of the following duties:

- Install, maintain, troubleshoot and repair electrical distribution and transmission systems including overhead and underground power lines and cables, insulators, conductors, lightning arrestors, switches, transformers and other associated equipment
- Erect and maintain steel, wood or concrete poles, towers and guy wires
- Splice, solder and insulate conductors and related wiring to connect power distribution and transmission networks using splicing tools, related electrical equipment and tools
- Inspect and test overhead and underground power lines and cables and auxiliary equipment using electrical test equipment
- Climb ladders or operate hydraulic buckets when working aloft on poles and towers, or work in confined spaces such as trenches and tunnels to install power lines and cables and associated equipment

- Install and maintain street lighting systems
- Communicate with other workers to co-ordinate the preparation and completion of work assignments.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a provincial three- or four-year lineman/woman apprenticeship program or
A combination of over four years of work experience in the trade and some high school, college or industry courses in electrical technology is usually required for electrical power line and cable workers.
- Trade certification for powerline technicians is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Trade certification for powerline technicians (construction) is available, but voluntary, in Newfoundland and Labrador.
- Trade certification for distribution construction linemen/women is available, but voluntary, in New Brunswick.
- Red Seal endorsement is also available to qualified powerline technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7245 Telecommunications line and cable workers

Telecommunications line and cable workers install, repair and maintain telecommunication lines and cables. They are employed by cable television companies and by telephone and other telecommunications services.

Illustrative example(s)

- apprentice lineman/woman - telecommunications
- cable repairer, telecommunications
- communication technician - construction
- construction technician - cable television
- lineman/woman, telecommunications
- splicer technician - telephone
- telecommunications line installer
- telephone line technician

Exclusion(s)

- Cable television service and maintenance technicians (7247)
- Electrical power line and cable workers (7244)
- Supervisors of telecommunications line and cable workers (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)
- Telecommunications installation and repair workers (7246)

Main duties

Telecommunications line and cable workers perform some or all of the following duties:

- Install, remove, maintain and repair aerial and underground telephone and other telecommunication transmission and distribution lines, cables and associated hardware
- Install (but do not repair or maintain) cable television lines and cables
- Splice and repair various types and sizes of telephone and other telecommunication cables including single line, coaxial and fibre optic
- Inspect and test telecommunication transmission lines and cables for transmission characteristics and to locate faults
- Analyze and record test results

- Climb and work aloft on poles, ladders or other support structures or work in confined spaces such as trenches, tunnels and crawl spaces
- Communicate with other workers to co-ordinate the preparation and completion of work assignments
- Assist in the erection and removal of telecommunication poles, towers and associated support structures
- May operate excavation machinery and other heavy equipment.

Employment requirements

- Completion of secondary school is required.
- Completion of a four-year telecommunications line and cable apprenticeship program or
A combination of over three years work experience in the trade and some industry- related or other specialized courses
or
Completion of a two-year college program in electronics is usually required.
- Trade certification for communications electrician (construction craft) is available, but voluntary, in Alberta, the Yukon, the Northwest Territories and Nunavut.

Additional information

- Progression to supervisory positions is possible with experience.

7246 Telecommunications installation and repair workers

Telecommunications installation and repair workers install, test, maintain and repair telephones, telephone switching equipment and telecommunications equipment related to transmission and processing of voice, video signals and other data over a variety of media including fibre optics, microwave, radio and satellite. They are employed by telephone and other telecommunications transmission services establishments.

Illustrative example(s)

- apprentice communication electrician - switching
- cellular telephone technician
- communication technician, telephone
- exchange tester - telecommunications
- line and station installer, telephone
- mobile radio installer
- private branch exchange (PBX) installer
- switch network installer and repairer
- telecommunications equipment technician
- telephone installer

Exclusion(s)

- Electronic service technicians (household and business equipment) (2242)
- Supervisors of telecommunication installation and repair workers (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)
- Telecommunications line and cable workers (7245)

Main duties

Telephone installers and repairers perform some or all of the following duties:

- Install, arrange, remove and maintain telephone equipment, wiring and associated hardware
- Test installed telephone systems to locate transmission faults
- Repair or replace defective and damaged telephones, wire and associated equipment.

Switch network installers and repairers perform some or all of the following duties:

- Install electromechanical, analog and digital trunking systems, circuits and equipment in telecommunications central offices and switching centres
- Inspect and test trunking systems, circuits and equipment
- Analyze test results and adjust, change or repair switching system, network, associated equipment and software.

Telecommunications service testers perform some or all of the following duties:

- Operate computerized testing systems to conduct service tests on customer lines and equipment
- Determine the nature, cause and location of service trouble
- Initiate the dispatch of appropriate repair personnel
- Complete test reports and maintain test and service records
- May assist repair personnel to test lines, circuits and systems, isolate and clear cable faults and verify records.

Telecommunications equipment technicians perform some or all of the following duties:

- Install, remove and maintain various telecommunications equipment and related systems such as telex and facsimile machines, teletypewriters, mobile radios, cellular telephones, pagers and other related telecommunications equipment
- Configure operating systems and install software for access to the Internet
- Inspect and test operation of telecommunications equipment
- Diagnose and locate equipment faults, and adjust, replace or repair telecommunications equipment.

Employment requirements

- Completion of secondary school is required.
- Telephone and switch network installers and repairers require completion of an apprenticeship program ranging from three to four years
or
A combination of over three years work experience in the trade and some high school, college or industry related courses.
- Telecommunications equipment technicians usually require completion of a college electrical and electronics program and several months of on-the-job training
or
Completion of a three- or four-year apprenticeship training program.
- Trade certification for communication technicians is available, but voluntary, in Nova Scotia, Alberta, British Columbia, the Northwest Territories and Nunavut.
- Experience as an installer and repairer (telephone and switch network) is usually required for service testers.

7247 Cable television service and maintenance technicians

Cable television service technicians install, maintain and repair cable and satellite television and Internet signal and associated equipment in homes and commercial buildings. Cable television maintenance technicians maintain and repair cable television transmission and distribution systems and associated hardware. They are employed by cable and satellite television companies.

Illustrative example(s)

- cable television installer
- cablevision servicer
- CATV technician
- direct broadcast satellite (DBS) technician - cable television
- installation technician, cable television
- maintenance technician, cable television

Exclusion(s)

- Supervisors of cable television service and maintenance technicians (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)
- Workers who install aerial or underground cable television lines (see 7245 Telecommunications line and cable workers)

Main duties

Cable television service technicians perform some or all of the following duties:

- Communicate with subscribers and company personnel to determine work assignments

- Connect, disconnect and relocate cable outlets, install splitters, converters, decoders, satellite and pay TV equipment, and install other cable hardware and systems at subscriber's premises
- Install cable modems and software to enable Internet access at subscriber's premises
- Inspect, test and repair cable and satellite television signals and associated equipment at subscriber's premises.

Cable television maintenance technicians perform some or all of the following duties:

- Maintain and repair main aerial and underground coaxial and fibre optic cable television transmission lines, trunking and related distribution and interconnecting systems including power supplies and amplifiers
- Inspect, monitor, test and adjust cable transmission and distribution systems
- Repair or replace faulty cables, power supplies, amplifiers and other associated transmission and distribution equipment
- Climb and work aloft on poles, ladders or other support structures
- Communicate with other workers to co-ordinate the preparation and completion of work assignments.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in electronics
or
A combination of college, correspondence or industry courses related to electronics and electrical systems and on-the-job training
or
Completion of a four-year cable television technician apprenticeship program is required.
- Trade certification for cable television technicians is available, but voluntary, in British Columbia and the Yukon.

Additional information

- Progression to supervisory positions is possible with experience.

725 Plumbers, pipefitters and gas fitters

7251 Plumbers

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings. They are employed in maintenance departments of factories, plants and similar establishments, by plumbing contractors, or they may be self-employed.

Illustrative example(s)

- maintenance plumber
- plumber
- plumber apprentice
- plumbing mechanic

Exclusion(s)

- Gas fitters (7253)
- Steamfitters, pipefitters and sprinkler system installers (7252)
- Supervisors of plumbers (see 7203 Contractors and supervisors, pipefitting trades)

Main duties

Plumbers perform some or all of the following duties:

- Read blueprints, drawings and specifications to determine layout of plumbing system, water supply network and waste and drainage systems
- Install, repair and maintain domestic, commercial or industrial plumbing fixtures and systems
- Locate and mark positions for pipe connections, passage holes and fixtures in walls and floors
- Cut opening in walls and floors to accommodate pipe and pipe fittings
- Measure, cut, bend and thread pipes using hand and power tools or machines
- Join pipes using couplings, clamps, screws, bolts, cement or soldering, brazing and welding equipment

- Test pipes for leaks using air and water pressure gauges
- May prepare cost estimates.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program or
A combination of over five years of work experience in the trade and some high school, college or industry courses in plumbing is usually required to be eligible for trade certification.
- Trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan and Alberta and available, but voluntary, in Newfoundland and Labrador, Manitoba, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified plumbers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7252 Steamfitters, pipefitters and sprinkler system installers

Steamfitters and pipefitters lay out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating and other process piping systems. Sprinkler system installers fabricate, install, test, maintain and repair water, foam, carbon dioxide and dry chemical sprinkler systems in buildings for fire protection purposes. Steamfitters, pipefitters and sprinkler system installers are employed in maintenance departments of factories, plants and similar establishments, and by pipefitting and sprinkler system contractors, or they may be self-employed.

Illustrative example(s)

- apprentice pipefitter-steamfitter
- fire protection mechanic
- fire sprinkler fitter
- marine pipefitter
- pipefitter
- sprinkler system fitter
- sprinkler system installer
- steamfitter
- steamfitter-pipefitter

Exclusion(s)

- Gas fitters (7253)
- Plumbers (7251)
- Residential and commercial installers and servicers (7441)
- Supervisors of steamfitters, pipefitters and sprinkler system installers (see 7203 Contractors and supervisors, pipefitting trades)

Main duties

Steamfitters and pipefitters perform some or all of the following duties:

- Read and interpret drawings, blueprints and specifications to determine layout requirements
- Cut openings for pipe in walls, floors and ceilings using hand or power tools or machines
- Select type and size of pipe required
- Measure, cut, thread and bend pipe to required shape using hand and power tools
- Weld, braze, cement, solder and thread joints to join pipes and fabricate sections of piping system
- Install supports, valves, piping and control systems
- Test system for leaks using testing equipment
- Clean and maintain pipe units and fittings and flush system

- Remove and replace worn components and reactivate system
- May prepare cost estimates for clients.

Sprinkler system installers perform some or all of the following duties:

- Read and interpret drawings, specifications and fire codes to determine layout requirements
- Install clamps, brackets and hangers to support piping system and sprinkler and fire protection equipment, using hand and power tools
- Select, measure, cut, ream and thread pipe, install sprinkler heads and mount prepared pipe in supports
- Join pipes and piping sections using soldering and welding equipment
- Connect piping system to water mains, supply tanks, pumps, compressors and control equipment
- Install valves, alarms and associated equipment
- Test system for leaks using air or liquid pressure equipment
- Service and repair sprinkler system
- May prepare cost estimates for clients.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program
or
A combination of over five years of work experience in the trade and some high school, college or industry courses in steamfitting, pipefitting or sprinkler system installation is usually required to be eligible for trade certification.
- Steamfitter-pipefitter trade certification is compulsory in Prince Edward Island, Quebec, Ontario, Manitoba and Alberta and available, but voluntary, in all other provinces and the territories.
- Steamfitter-pipefitter (non-construction) trade certification is compulsory in Quebec.
- Sprinkler system installer trade certification is compulsory in Nova Scotia, New Brunswick, Quebec and Manitoba and available, but voluntary, in all other provinces and the territories.
- Sprinkler system installer (no construction) trade certification is compulsory in Quebec.
- Red Seal endorsement is also available to qualified steamfitters-pipefitters and sprinkler system installers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7253 Gas fitters

Gas fitters install, inspect, repair and maintain gas lines and gas equipment such as meters, regulators and heating units in residential, commercial and industrial establishments. They are employed by gas utility companies and gas servicing companies.

Illustrative example(s)

- gas fitter
- gas fitter apprentice
- gas servicer
- gas technician
- industrial gas fitter-tester

Exclusion(s)

- Appliance servicers and repairers (7332)
- Plumbers (7251)
- Steamfitters, pipefitters and sprinkler system installers (7252)
- Supervisors of gas fitters (see 7203 Contractors and supervisors, pipefitting trades)

Main duties

Gas fitters perform some or all of the following duties:

- Study drawings and specifications to determine the layout of the installation and materials required

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- Measure and mark reference points for installation of gas lines and equipment
 - Install and maintain gas meters and regulators and gas lines between gas unit and gas meter
 - Install, maintain and service gas heating units and their components, such as burners, valves and automatic controls
 - Test and replace defective equipment or components
 - Test and adjust control mechanisms and check pipes and piping connections for gas leaks using gas detecting devices
 - Attend to gas escape calls and assist in the investigation of gas fires and explosions
 - Prepare reports on work performed and condition of facilities
 - Advise clients regarding standards, safety features and maintenance of gas units and systems
 - Convert motor vehicles or appliances to use natural gas fuels
 - May repair and service gas appliances and related equipment.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- or three-year gas fitter apprenticeship program or
Several years of work experience in a pipefitting trade and completion of a high school, college or industry gas fitter program are required.
- Gas fitter trade certification is compulsory in Nova Scotia, Quebec, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- A provincial gas fitter licence is usually required.

Additional information

- Progression to supervisory positions is possible with experience.

727 Carpenters and cabinetmakers

7271 Carpenters

Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed.

Illustrative example(s)

- apprentice carpenter
- carpenter
- carpenter-joiner
- finish carpenter
- journeyman/woman carpenter
- maintenance carpenter
- metal framer - carpentry
- renovation carpenter
- rough carpenter
- stair builder-carpenter

Exclusion(s)

- Cabinetmakers (7272)
- Supervisors of carpenters (see 7204 Contractors and supervisors, carpentry trades)
- Woodworking machine operators (9437)

Main duties

Carpenters perform some or all of the following duties:

- Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements

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- Prepare layouts in conformance to building codes, using measuring tools
 - Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials
 - Build foundations, install floor beams, lay subflooring and erect walls and roof systems
 - Fit and install trim items, such as doors, stairs, moulding and hardware
 - Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments
 - Supervise apprentices and other construction workers
 - May prepare cost estimates for clients.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or
A combination of over four years of work experience in the trade and some high school, college or industry courses in carpentry is usually required to be eligible for trade certification.
- Trade certification for carpenters is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Trade certification for framers is available, but voluntary, in Saskatchewan.
- Red Seal endorsement is also available to qualified carpenters upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7272 Cabinetmakers

Cabinetmakers use a variety of woods and laminates to construct and repair wooden cabinets, furniture, fixtures and related products. They are employed by furniture manufacturing or repair companies, construction companies and cabinetmaking contractors, or they may be self-employed.

Illustrative example(s)

- cabinetmaker
- cabinetmaker apprentice
- custom wood furniture maker
- furniture cabinetmaker

Exclusion(s)

- Carpenters (7271)
- Supervisors of cabinetmakers (see 7204 Contractors and supervisors, carpentry trades)
- Woodworking machine operators (9437)

Main duties

Cabinetmakers perform some or all of the following duties:

- Study plans, specifications or drawings of articles to be made, or prepare specifications
- Mark outlines or dimensions of parts on wood
- Operate woodworking machines, such as power saws, jointers, mortisers and shapers, and use hand tools to cut, shape and form parts and components
- Trim joints and fit parts and subassemblies together to form complete unit using glue and clamps and reinforce joints using nails, screws or other fasteners
- Sand wooden surfaces and apply veneer, stain or polish to finished products
- Repair or restyle wooden furniture, fixtures and related products
- May estimate amount, type and cost of materials required.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program or

A combination of over four years of work experience in the trade and some high school or college courses in cabinetmaking is usually required to be eligible for trade certification.

- Trade certification is available, but voluntary, in all provinces and territories.
- Red Seal endorsement is also available to qualified cabinetmakers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

728 Masonry and plastering trades**7281 Bricklayers**

Bricklayers lay bricks, concrete blocks, stone and other similar materials to construct or repair walls, arches, chimneys, fireplaces and other structures in accordance with blueprints and specifications. They are employed by construction companies and bricklaying contractors or they may be self-employed.

Illustrative example(s)

- apprentice bricklayer
- bricklayer
- brickmason
- refractory bricklayer
- stonecutter
- stonemason

Exclusion(s)

- Concrete finishers (7282)
- Supervisors of bricklayers (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)
- Tilesetters (7283)

Main duties

Bricklayers perform some or all of the following duties:

- Read sketches and blueprints to calculate materials required
- Cut and trim bricks and concrete blocks to specification using hand and power tools
- Prepare and lay bricks, concrete blocks, stone, structural tiles and similar materials to construct or repair walls, foundations and other structures in residential, industrial and commercial construction
- Lay bricks or other masonry units to build residential or commercial chimneys and fireplaces
- Lay radial bricks to build masonry shells of industrial chimneys
- Lay or install firebricks to line industrial chimneys and smokestacks
- Line or reline furnaces, kilns, boilers and similar installations using refractory or acid-resistant bricks, refractory concretes, plastic refractories and other materials
- Lay bricks, stone or similar materials to provide veneer facing to walls or other surfaces
- Construct and install prefabricated masonry units
- Lay bricks or other masonry units to build patios, garden walls and other decorative installations
- May restore, clean or paint existing masonry structures.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or

A combination of over four years of work experience in the trade and some high school, college or industry courses in bricklaying is usually required to be eligible for trade certification.

- Trade certification for bricklayers is compulsory in Nova Scotia, New Brunswick and Quebec and available, but voluntary, in all other provinces and the Yukon.
- Trade certification for stonemasons is available, but voluntary, in Newfoundland and Labrador.
- Trade certification for restoration stone masons is available, but voluntary, in Nova Scotia.
- Red Seal endorsement is also available to qualified bricklayers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7282 Concrete finishers

Concrete finishers smooth and finish freshly poured concrete, apply curing or surface treatments and install, maintain and restore various masonry structures such as foundations, floors, ceilings, sidewalks, roads, patios and highrise buildings. They are employed by construction companies, cement and concrete contractors and manufacturers of precast concrete products, or they may be self-employed.

Illustrative example(s)

- cement finisher apprentice
- cement mason
- concrete finisher
- concrete mason
- precast concrete finisher

Exclusion(s)

- Bricklayers (7281)
- Concrete products machine operators (see 9414 Concrete, clay and stone forming operators)
- Supervisors of concrete finishers (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Concrete finishers perform some or all of the following duties:

- Check formwork, granular base and steel reinforcement materials and direct placement of concrete into forms or onto surfaces according to grade
- Fill hollows and remove high spots to smooth freshly poured concrete
- Operate power vibrator to compact concrete
- Level top surface of concrete according to grade and depth specifications using straightedge or float
- Impart desired finish to concrete surfaces using hand and power tools
- Install anchor bolts, steel plates, door sills and other fixtures in freshly poured concrete
- Apply hardening and sealing compounds to cure surface of concrete
- Waterproof, damp-proof and restore concrete surfaces
- Repair, resurface and replace worn or damaged sections of floors, walls, roads and other concrete structures.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program
or
Over three years of work experience in the trade and some high school, college or industry courses in cement finishing are usually required to be eligible for trade certification.
- Trade certification for concrete finishers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Alberta and British Columbia.

- Trade certification for cement masons is available, but voluntary, in Ontario.
- Red Seal endorsement is also available to qualified concrete finishers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7283 Tilesetters

Tilesetters cover interior and exterior walls, floors and ceilings with ceramic, marble and quarry tile, mosaics or terrazzo. They are employed by construction companies and masonry contractors, or they may be self-employed.

Illustrative example(s)

- apprentice tilesetter
- ceramic tile installer
- marble setter
- terrazzo polisher
- terrazzo worker
- tile installer
- tilesetter

Exclusion(s)

- Bricklayers (7281)
- Plasterers, drywall installers and finishers and lathers (7284)
- Supervisors of tilesetters (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Tilesetters perform some or all of the following duties:

- Prepare, measure and mark surface to be covered
- Build underbeds and install anchor bolts, wires and brackets
- Mix, apply and spread mortar, cement, mastic, glue or other adhesives using hand trowel
- Set tiles in position and apply pressure to affix tiles to base
- Align and straighten tile using levels, squares and straightedges
- Cut and fit tiles around obstacles and openings using hand and power cutting tools
- Pack grout into joints between tiles and remove excess grout
- Install tile strips
- Lay and set mosaic tiles to create decorative wall, mural and floor designs
- Mix, lay and polish terra surfaces
- Cut, polish and install marble and granite
- Remove and replace cracked or damaged tiles
- May prepare cost estimates and orders.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program

or

A combination of over three years of work experience in the trade and some high school, college or industry courses in tiling is usually required to be eligible for trade certification.

- Trade certification for tilesetters is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Saskatchewan, Alberta and British Columbia.
- Red Seal endorsement is also available to qualified tilesetters upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7284 Plasterers, drywall installers and finishers and lathers

Plasterers apply finish, and maintain and restore plaster or similar materials, on interior and exterior walls, ceilings and building partitions to produce plain or decorative surfaces. Drywall installers and finishers install and finish drywall sheets and various types of ceiling systems. Lathers install support framework for ceiling systems, interior and exterior walls and building partitions. They are employed by construction companies and by plastering, drywalling and lathing contractors, or they may be self-employed.

Illustrative example(s)

- acoustical ceiling installer
- ceiling installer
- drywall applicator
- drywall finisher
- drywall installer and finisher apprentice
- drywall taper
- lather
- lather (interior systems mechanic)
- lather apprentice
- plasterer
- plasterer apprentice
- sheetrock applicator
- wood lather

Exclusion(s)

- Supervisors of trade workers in this unit group (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Plasterers perform some or all of the following duties:

- Clean and prepare surfaces
- Mix plaster ingredients in trough to desired consistency
- Apply, level and smooth coats of plaster using trowels, floats, brushes and spraying equipment
- Trowel or spray coats of stucco over exteriors of buildings to form weatherproof surfaces
- Finish corners and angles and create decorative designs in finish coat, if required
- Cure freshly plastered surfaces
- Mould and install ornamental plaster panels, cornices and trim
- Spray acoustic materials or texture finish over walls and ceilings.

Drywall installers and finishers perform some or all of the following duties:

- Measure, cut and fit drywall sheets for installation on walls and ceilings
- Position and secure sheets to metal or wooden studs or joists
- Cut and install metal corner beads to protect exterior corners
- Fill joints, nail indentations, holes and cracks with joint compound using trowel and broad knife
- Tape over joints using taping machine and embed tape in compound
- Smooth out excess compound and allow coat to dry
- Apply successive coats of compound and sand seams and joints
- Fabricate and install suspended metal ceiling grids and place in panels to form acoustical and coffered ceilings.

Lathers perform some or all of the following duties:

- Prepare wall and ceiling layouts
- Install metal stud framing and furring for interior drywall or plaster walls and ceilings, using hand and power tools

- Attach metal or gypsum lath to studs or furring using nails, screws, clips or wire ties
- Cut openings in lath for heating and ventilation piping, ducts and electrical outlets
- Install corner beads and wire mesh around beams to which plaster is to be applied
- May install acoustic tile, hangers for suspended ceilings and metal studs for composition wallboard or lath.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program in plastering, drywalling or lathing or
A combination of over three years of work experience and some high school, college or industry courses in plastering, drywalling or lathing is usually required.
- Plasterer trade certification is compulsory in Quebec and available, but voluntary, in Ontario, Saskatchewan and British Columbia.
- Drywall installer and finisher trade certification is available, but voluntary, in British Columbia.
- Trade certification for lathers (interior systems mechanics) is compulsory in Quebec and available, but voluntary, in all other provinces and the Yukon.
- Red Seal endorsement is also available to qualified lathers (interior systems mechanic) upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

729 Other construction trades

7291 Roofers and shinglers

Roofers install, repair or replace flat roofs and shingles, shakes or other roofing tiles on sloped roofs. Shinglers install and replace shingles, tiles and similar coverings on sloped roofs. They are employed by roofing and general contractors, or they may be self-employed.

Illustrative example(s)

- apprentice roofer
- asphalt roofer
- built-up roofer
- flat roofer
- residential steep roofer
- roofer
- shingler
- single-ply roofer

Exclusion(s)

- Supervisors of roofers and shinglers (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Roofers perform some or all of the following duties:

- Install, repair or replace built-up roofing systems using materials such as asphalt saturated felts and hot asphalt and gravel
- Install, repair or replace single-ply roofing system using waterproof sheet materials such as modified plastics, elastomeric or other asphaltic compositions
- Install, repair or replace shingles, shakes and other roofing tiles on sloped roofs of buildings
- Install sheet metal flashings
- Apply waterproof coatings to concrete or other masonry surfaces below or above ground level
- Install and repair metal roofs using hand and power tools
- Set up scaffolding to provide safe access to roofs

- May estimate materials required and quote costs.

Shinglers perform some or all of the following duties:

- Install or replace asphalt shingles, wood shingles and shakes and masonry or baked clay roofing tiles on sloped roofs of buildings
- Set up scaffolding to provide safe access to roofs.

Employment requirements

- Completion of secondary school is usually required.
- For roofers, completion of a two- to three-year apprenticeship program or
Over three years of work experience in the trade are usually required to be eligible for trade certification.
- Roofing trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Trade certification for residential steep roofers is available, but voluntary, in British Columbia.
- Red Seal endorsement is also available to qualified roofers upon successful completion of the interprovincial Red Seal examination.
- Shinglers require one to two years of on-the-job training.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7292 Glaziers

Glaziers cut, fit, install and replace glass in residential, commercial and industrial buildings, on exterior walls of buildings and other structures and in furniture and other products. They are employed by construction glass installation contractors, retail service and repair shops and glass fabrication shops, or they may be self-employed.

Illustrative example(s)

- glazier
- glazier and metal mechanic
- glazier apprentice
- plate glass installer
- stained glass glazier
- structural glass glazier

Exclusion(s)

- Glass forming and finishing machine operators and glass cutters (9413)
- Supervisors of glaziers (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Glaziers perform some or all of the following duties:

- Read and interpret blueprints and specifications to determine type and thickness of glass, frame, installation procedure and materials required
- Measure and mark glass and cut glass using glass cutters or computerized cutter
- Tint glass and create patterns on glass by etching, sandblasting or painting designs
- Assemble, erect and dismantle scaffolds, rigging and hoisting equipment
- Position glass panes into frames and secure glass using clips, points or mouldings
- Assemble and install prefabricated glass, mirrors or glass products on walls, ceilings or exteriors of building
- Fabricate metal frames for glass installation
- Install, fit, fabricate and attach architectural metals or related substitute products in commercial and residential buildings
- Install pre-cut mirrors and opaque and transparent glass panels in frames to form exterior walls of buildings

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- Replace glass in furniture and other products
 - Prepare and install skylights, showcases and aquariums and stained or other special glass in churches, museums, sports and other establishments
 - Repair and service residential windows, commercial aluminum doors and other glass supporting structures, and replace damaged glass or faulty sealant
 - May prepare cost estimates for customers or clients.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- or four-year apprenticeship program or
A combination of over four years of work experience in the trade and some high school, college or industry courses in glazing is usually required to be eligible for trade certification.
- Trade certification for glaziers is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified glaziers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7293 Insulators

Insulators apply insulation materials to plumbing, air-handling, heating, cooling and refrigeration systems, piping equipment and pressure vessels, and walls, floors and ceilings of buildings and other structures, to prevent or reduce the passage of heat, cold, sound or fire. They are employed by construction companies and insulation contractors, or they may be self-employed.

Illustrative example(s)

- boiler and pipe insulator
- building insulator
- firestopping insulator
- heat and frost insulator
- insulation applicator
- insulation mechanic
- insulator
- insulator apprentice
- sound insulator

Exclusion(s)

- Supervisors of insulators (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Insulators perform some or all of the following duties:

- Read and interpret drawings and specifications to determine insulation requirements and select type of insulation required
- Measure and cut insulating material to required dimensions using hand and power tools
- Apply and secure insulation using spraying, blowing, pasting, strapping, taping and other application and installation methods
- Fit insulation around obstructions and between studs and joists
- Install vapour barriers
- Apply waterproofing cement over insulating materials to finish surfaces
- Remove asbestos or urea-formaldehyde insulation from buildings when required.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or

A combination of over four years of work experience in the trade and some high school, college or industry courses in insulating is usually required to be eligible for trade certification.

- Trade certification for insulators (heat and frost) is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified insulators (heat and frost) upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7294 Painters and decorators (except interior decorators)

Painters and decorators apply paint, wallpaper and other finishes to interior and exterior surfaces of buildings and other structures. They are employed by construction companies, painting contractors and building maintenance contractors, or they may be self-employed.

Illustrative example(s)

- construction painter
- maintenance painter
- painter
- painter and decorator
- painter and decorator apprentice
- paperhanger

Exclusion(s)

- Automotive painters (see 7322 Motor vehicle body repairers)
- Industrial painters, coaters and metal finishing process operators (9536)
- Interior decorators (see 5242 Interior designers and interior decorators)
- Painters, sculptors and other visual artists (5136)
- Supervisors of painters and decorators (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Painters and decorators perform some or all of the following duties:

- Read specifications to determine quantities of materials required
- Prepare and clean surfaces using methods such as scraping, sanding, sandblasting, hydro-blasting and steam-cleaning; remove old wallpaper and loose paint; repair cracks and holes in walls; and sandpaper and apply sealer
- Mix and thin paint to obtain desired colour and texture
- Apply paint or other materials, such as stains, lacquer, enamel, oil, varnish, fibreglass, metal coating or fire retardant using brushes, rollers or spray equipment
- Measure, cut and apply wallpaper or fabric to walls
- Assemble and erect scaffolding and swing stages
- May advise customer on selection of colour schemes and choice of wall coverings
- May provide cost estimates to clients.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or

Over three years of work experience in the trade is usually required to be eligible for trade certification.

- Trade certification for painters and decorators is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Red Seal endorsement is also available to qualified painters and decorators upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7295 Floor covering installers

Floor covering installers install carpet, wood, linoleum, vinyl and other resilient floor coverings in residential, commercial, industrial and institutional buildings. They are employed by construction companies, floor-covering contractors and carpet outlets, or they may be self-employed.

Illustrative example(s)

- carpet layer
- floor covering installer apprentice
- floor covering mechanic
- hardwood floor layer
- residential floor and wall covering installer
- resilient floor installer
- vinyl floor installer

Exclusion(s)

- Supervisors of floor covering installers (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Floor covering installers perform some or all of the following duties:

- Inspect, measure and mark surfaces to be covered
- Measure, cut and fasten underlay and underpadding
- Measure, cut and install carpeting using hand or machine stitcher, seaming iron, bonding tape or other bonding materials
- Stretch carpeting using knee-kicker or power stretcher and secure carpeting to floor or other surfaces using staple gun or other devices
- Measure, cut and install resilient floor covering using adhesive, rollers and other hand tools
- Install hardwood floors, such as strip floors, block floors or plank floors, using glue, staples, nails or other means
- Inspect and repair damaged floor coverings
- May estimate material and labour costs.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to three-year apprenticeship program
or
Over four years of work experience in the trade and some courses in floor covering installation are usually required to be eligible for trade certification.
- Trade certification for floor covering installers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified floor covering installers upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

73 Maintenance and equipment operation trades**730 Contractors and supervisors, maintenance trades and heavy equipment and transport operators****7301 Contractors and supervisors, mechanic trades**

This unit group includes heating, refrigeration, air conditioning, millwrighting and elevator and other equipment installation and mechanic trades contractors who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers classified in unit groups within the following minor groups: *Machinery and Transportation Equipment Mechanics (Except Motor Vehicle)* (731), *Automotive Service Technicians* (732) and *Other Mechanics* (733). They are employed in a wide range of establishments; places of employment are indicated in the unit group descriptions of the above minor groups.

Illustrative example(s)

- contractor, heating systems
- foreman/woman, air conditioning and refrigeration mechanics
- foreman/woman, aircraft mechanics and inspectors
- foreman/woman, electrical mechanics
- foreman/woman, heating systems mechanics
- foreman/woman, heavy-duty equipment mechanics
- foreman/woman, printing machine repairers
- foreman/woman, railway car repairers
- foreman/woman, railway equipment maintenance inspectors
- foreman/woman, textile machine mechanics
- supervisor, aircraft maintenance engineers (AME)
- supervisor, appliance repair shop
- supervisor, industrial mechanics
- supervisor, motor vehicle repair shop
- supervisor, small-engine repair shop

Exclusion(s)

- Foremen/women of workers who repair electrical industrial equipment (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who repair and maintain aircraft, railway locomotives and cars, industrial machinery and equipment, construction and other heavy equipment, textile equipment, printing machines, heating equipment and furnaces, transformers and other electrical equipment, motor vehicles, air-conditioning and refrigeration equipment, electric appliances and other equipment, such as motorcycles, outboard motors and snowmobiles
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hiring and promotions
- Ensure that standards for safe working conditions are observed
- Prepare production and other reports
- May manage the operations of their own companies
- May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a qualified tradesperson in a relevant trade are usually required.
- Journeyman/woman trade certification in a relevant trade is required.

Additional information

- There is little or no intertrade mobility among the supervisors in this unit group.

7302 Contractors and supervisors, heavy equipment operator crews

This unit group includes excavating, grading, paving, drilling and blasting contractors who own and operate their own business. This unit group also includes supervisors who supervise and co-ordinate the activities of workers classified in the following unit groups: *Crane Operators (7371)*, *Drillers and Blasters - Surface Mining, Quarrying and Construction (7372)*, *Water Well Drillers (7373)*, *Longshore Workers (7451)*, *Material Handlers (7452)*, *Heavy Equipment Operators (Except Crane) (7521)*, *Public Works Maintenance Equipment Operators and Related Workers (7522)*, *Railway Yard and Track Maintenance Workers (7531)*, and *Public Works and Maintenance Labourers (7621)*. They are employed in a wide range of establishments; places of employment are indicated in the above unit group descriptions.

Illustrative example(s)

- excavating contractor
- foreman/woman, demolition
- foreman/woman, drilling and blasting - construction
- foreman/woman, logging road construction
- foreman/woman, railway gang
- foreman/woman, railway track maintenance
- paving contractor
- pipeline construction supervisor
- road maintenance foreman/woman
- section foreman/woman, railway
- supervisor, heavy equipment operators
- supervisor, oil field construction
- supervisor, water well drilling
- track foreman/woman - railway

Exclusion(s)

- Supervisors of heavy equipment mechanics (see 7301 Contractors and supervisors, mechanic trades)
- Supervisors of logging machinery operators (see 8211 Supervisors, logging and forestry)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who operate cranes and construction, paving, drilling, railway maintenance and other similar heavy equipment
- Establish methods to meet work schedules and co-ordinate work activities with other project supervisors or managers
- Requisition materials and supplies
- Resolve work problems and recommend measures to improve productivity
- Train or arrange for training of workers
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May manage the operations of own company
- May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience in the occupation supervised is required.

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- Journeyman/woman trade certification in a relevant trade may be required.

Additional information

- There is some mobility between occupations classified in this unit group.

7303 Supervisors, printing and related occupations

Supervisors in this unit group supervise and co-ordinate the activities of workers who produce camera work and printing plates and cylinders, process film, print text and illustrations on paper, metal and other material, and bind and finish printed products. They are employed by companies that specialize in commercial printing or one of its components, such as binding or colour reproduction, in combined printing and publishing companies, such as newspapers and magazines, and in various establishments in both the public and private sectors that have in-house printing departments.

Illustrative example(s)

- bindery foreman/woman - printing
- bindery supervisor - printing
- composing room supervisor - printing
- film processing supervisor
- finishing supervisor - printing
- photographic and film processing foreman/woman
- platemaking supervisor - printing
- prepress supervisor - printing
- pressroom supervisor - printing

Exclusion(s)

- Printing plant managers (see 0911 Manufacturing managers)
- Supervisors of desktop publishing operators (see 1211 Supervisors, general office and administrative support workers)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule activities of workers who produce camera work and printing plates and cylinders; process film; and print, bind and finish books, newspapers, business forms and other printed products
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Review and approve all job proofs or samples in order to ensure quality of work meets client specifications
- Requisition materials and supplies
- Resolve work problems, provide technical advice and recommend measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hiring and promotions
- Prepare production and other reports
- May set up machines or equipment.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology may be required.
- Several years of experience in the work area supervised is usually required.
- Provincial trade certification may be required for some occupations in this unit group.

Additional information

- Progression to management positions, such as department, production or plant manager, is possible with experience.

7304 Supervisors, railway transport operations

Supervisors in this unit group supervise and co-ordinate the activities of railway and yard locomotive engineers, railway yard workers and railway labourers. They are employed by railway transport companies.

Illustrative example(s)

- railway transport operations supervisor
- road foreman/woman, freight train
- stationmaster
- trainmaster
- yard foreman/woman - railway
- yardmaster - railway

Exclusion(s)

- Supervisors of railway car repairers and locomotive mechanics (see 7301 Contractors and supervisors, mechanic trades)
- Supervisors of railway track maintenance crews (see 7302 Contractors and supervisors, heavy equipment operator crews)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who operate trains, drive locomotives in railway yards and perform other duties related to railway operations
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve performance
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hiring and promotions
- Prepare work reports.

Employment requirements

- Completion of secondary school is usually required.
- A Canadian Rail Operating Rules certificate is required.
- A certificate in accordance with the Railway Employee Qualification Standards Regulations is required.
- Several years of railway operations experience are required.

7305 Supervisors, motor transport and other ground transit operators

Supervisors in this unit group supervise and co-ordinate activities of truck drivers, bus drivers, delivery drivers, subway and other transit operators, chauffeurs and taxi and limousine drivers. This unit group also includes bus dispatchers who co-ordinate the activities of transit system bus drivers and subway traffic controllers who operate and monitor signal and track switch control panels. They are employed by motor transportation and ground transit companies and by urban transit systems.

Illustrative example(s)

- bus inspector
- dispatcher, bus
- foreman/woman, truck drivers
- foreman/woman, urban transit system
- mobile inspector, transit
- subway traffic controller
- supervisor, light rail transit (LRT) operators
- supervisor, school bus drivers
- supervisor, subway operators

Exclusion(s)

- Supervisors, railway transport operations (7304)
- Train dispatchers (see 2275 Railway traffic controllers and marine traffic regulators)
- Truck transport and taxi dispatchers (see 1525 Dispatchers)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who operate trucks, buses, subway trains, light rail transit, street cars, taxis and other transport vehicles
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve performance
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hiring and promotions
- Dispatch bus drivers and monitor routes to ensure schedules are met and to resolve operating problems
- Monitor and operate signal and track switch control panel of subway systems
- Prepare work reports and budgets, and monitor expenditures.

Employment requirements

- Completion of secondary school is usually required.
- Several years of experience as a driver or operator of motor transport or ground transit equipment are usually required.

Additional information

- There is little mobility between occupations in the different transportation sectors of this unit group.

731 Machinery and transportation equipment mechanics (except motor vehicle)**7311 Construction millwrights and industrial mechanics**

Construction millwrights and industrial mechanics install, maintain, troubleshoot, overhaul and repair stationary industrial machinery and mechanical equipment. This unit group includes industrial textile machinery mechanics and repairers. Construction millwrights are employed by millwrighting contractors. Industrial mechanics are employed in manufacturing plants, utilities and other industrial establishments.

Illustrative example(s)

- card fixer
- card grinder
- construction millwright
- fixer, textile machinery
- industrial mechanic
- industrial mechanic apprentice
- industrial sewing machine mechanic
- knitting machine mechanic
- loom fixer
- loom technician
- maintenance millwright
- mechanic, textile machines
- millwright
- millwright apprentice
- open-end technician
- plant equipment mechanic
- spinning fixer
- textile fixer
- treatment plant maintenance mechanic

Exclusion(s)

- Heavy-duty equipment mechanics (7312)
- Industrial instrument technicians and mechanics (2243)
- Supervisors of industrial mechanics and millwrights (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Construction millwrights and industrial mechanics perform some or all of the following duties:

- Read blueprints, diagrams and schematic drawings to determine work procedures
- Install, align, dismantle and move stationary industrial machinery and mechanical equipment, such as pumps, fans, tanks, conveyors, furnaces and generators according to layout plans using hand and power tools
- Operate hoisting and lifting devices such as cranes, jacks and tractors to position machinery and parts during the installation, set-up and repair of machinery
- Inspect and examine machinery and equipment to detect and investigate irregularities and malfunctions
- Install, troubleshoot and maintain power transmission, vacuum, hydraulic and pneumatic systems, and programmable logic controls
- Adjust machinery and repair or replace defective parts
- Operate machine tools such as lathes and grinders to fabricate parts required during overhaul, maintenance or set-up of machinery
- Clean, lubricate and perform other routine maintenance work on machinery
- Construct foundations for machinery or direct other workers to construct foundations
- Assemble machinery and equipment prior to installation using hand and power tools and welding equipment.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or
A combination of over five years of work experience in the trade and some high school, college or industry courses in industrial machinery repair or millwrighting is usually required to be eligible for trade certification.
- Textile machinery mechanics hired from other industries may require additional training in textile processes and experience as a textile manufacturing machinery operator.
- Industrial mechanic (millwright) trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and the territories.
- Construction millwright trade certification is available, but voluntary, in Ontario.
- Industrial sewing machine mechanic trade certification is available, but voluntary, in Quebec.
- Red Seal endorsement is also available to qualified industrial mechanics or millwrights upon successful completion of the interprovincial Red Seal examination.

Additional information

- Construction millwrights are mostly engaged in the initial installation of industrial plant machinery and equipment; industrial mechanics are more concerned with the post-installation maintenance and repair of machinery and equipment.
- Industrial mechanics and millwrights may be cross-trained in a second trade such as pipefitting, welding, machining or electrical maintenance.
- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7312 Heavy-duty equipment mechanics

Heavy-duty equipment mechanics repair, troubleshoot, adjust, overhaul and maintain mobile heavy-duty equipment used in construction, transportation, forestry, mining, oil and gas, material handling, landscaping, land clearing, farming and similar activities. They are employed by companies which own and operate heavy equipment, and by heavy equipment dealers, rental and service establishments, and railway transport companies and urban transit systems.

Illustrative example(s)

- agricultural equipment technician
- construction equipment mechanic
- diesel mechanic - heavy equipment
- farm equipment mechanic
- heavy equipment mechanic
- heavy mobile logging equipment mechanic
- heavy mobile mining equipment mechanic
- heavy-duty equipment mechanic apprentice
- heavy-duty equipment technician
- locomotive mechanic
- tractor mechanic

Exclusion(s)

- Construction millwrights and industrial mechanics (7311)
- Motor vehicle diesel engine mechanics (see 7321 Automotive service technicians, truck and bus mechanics and mechanical repairers)
- Supervisors of heavy equipment mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Heavy-duty equipment mechanics perform some or all of the following duties:

- Check bulldozers, cranes, graders and other heavy construction, agricultural, logging and mining equipment for proper performance and inspect equipment to detect faults and malfunctions
- Diagnose faults or malfunctions using computerized and other testing equipment to determine extent of repair required
- Adjust equipment and repair or replace defective parts, components or systems, using hand and power tools
- Test repaired equipment for proper performance and to ensure that work meets manufacturers' specifications
- Clean, lubricate and perform other routine maintenance work on equipment
- Service attachments and working tools such as harvesting and tillage equipment, blades, ploughs, winches and side booms
- May perform repair work on heavy trucks
- May attach components and adjust new farm equipment.

Heavy-duty mechanics may specialize in specific types of machinery such as combines or tracked vehicles, or in engine overhaul, power shift transmissions, fuel injection, hydraulics or electronics.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to five-year apprenticeship program
or
A combination of over four years of work experience in the trade and some high school, college or industry courses in heavy equipment repair is usually required to be eligible for trade certification.
- Heavy-duty equipment technician trade certification is compulsory in Quebec and Alberta and available, but voluntary, in all other provinces and the territories.
- Agricultural equipment technician trade certification is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.

- Red Seal endorsement is also available to qualified heavy duty equipment technicians and agricultural equipment technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7313 Refrigeration and air conditioning mechanics

Refrigeration and air conditioning mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation and cooling systems. They are employed by refrigeration and air conditioning installation contractors, various industrial settings, food wholesalers, engineering firms and retail and servicing establishments. Transport refrigeration mechanics are included in this unit group.

Illustrative example(s)

- central air conditioning mechanic
- commercial air conditioning mechanic
- heating and cooling mechanic
- heating, ventilation and air conditioning (HVAC) mechanic
- refrigeration and air conditioning mechanic apprentice
- refrigeration mechanic
- transport refrigeration mechanic

Exclusion(s)

- Domestic refrigerator or window air conditioner servicers and repairers (see 7332 Appliance servicers and repairers)
- Supervisors of refrigeration and air conditioning mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Refrigeration and air conditioning mechanics perform some or all of the following duties:

- Read and interpret blueprints, drawings or other specifications
- Measure and lay out reference points for installation
- Assemble and install refrigeration or air conditioning components such as motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors using hand and power tools
- Measure and cut piping, and connect piping using welding and brazing equipment
- Install, troubleshoot and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems
- Start up system and test for leaks using testing devices
- Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing
- Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems
- May install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies
- May prepare work estimates for clients.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to five-year apprenticeship program or

A combination of over five years of work experience in the trade and some high school, college or industry courses in refrigeration and air conditioning repair is usually required to be eligible for trade certification.

- Trade certification for refrigeration and air conditioning mechanics is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in all other provinces and the territories.
- Trade certification for transport refrigeration mechanics is available, but voluntary, in New Brunswick, Alberta and British Columbia.
- Red Seal endorsement is also available to qualified refrigeration and air conditioning mechanics upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7314 Railway carmen/women

Railway carmen/women inspect, troubleshoot, maintain and repair structural and mechanical components of railway freight, passenger and urban transit rail cars. They are employed by railway transport companies and urban transit systems.

Illustrative example(s)

- rail vehicle mechanic
- railway car inspector
- railway carman/woman
- railway carman/woman apprentice
- streetcar and subway car mechanic

Exclusion(s)

- Locomotive mechanics (see 7312 Heavy-duty equipment mechanics)
- Railway car repairer foremen/women (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Railway carmen/women perform some or all of the following duties:

- Inspect interior and exterior components of freight, passenger and urban transit rail cars to determine defects and extent of wear and damage
- Repair and install railway car parts such as compressors, air valves, bearings, couplings, air cylinders and piping
- Repair and maintain electrical and electronic controls for propulsion and braking systems
- Repair defective or damaged metal and wood components, using hand and power tools
- Repair and repaint wooden fixtures
- Replace damaged windows and repair upholstery
- Test and adjust parts using testing gauges and other test equipment
- Perform and document routine maintenance.

Employment requirements

- Completion of secondary school is usually required.
- Completion of an industry-offered apprenticeship program or three to four years of on-the-job training is usually required.

Additional information

- Progression to supervisory positions is possible with experience.

7315 Aircraft mechanics and aircraft inspectors

Aircraft mechanics maintain, repair, overhaul, modify and test aircraft structural, mechanical and hydraulic systems. Aircraft inspectors inspect aircraft and aircraft systems following manufacture, modification, maintenance, repair or overhaul. Aircraft mechanics and aircraft inspectors are employed by aircraft manufacturing, maintenance, repair and overhaul establishments, and by airlines and other aircraft operators.

Illustrative example(s)

- aircraft gas turbine engine technician
- aircraft inspector
- aircraft maintenance engineer (AME) (except avionics)
- aircraft mechanic
- aircraft structural repair technician
- aircraft systems inspector
- aviation mechanical component shop technician
- certified aircraft technician
- hydraulic mechanic, aircraft
- inspector, flight test
- inspector, repair and overhaul
- shop inspector, aircraft repair

Exclusion(s)

- Aircraft assemblers and aircraft assembly inspectors (9521)
- Aircraft engine fitters and assemblers (see 7316 Machine fitters)
- Aircraft instrument, electrical and avionics mechanics, technicians and inspectors (2244)
- Aircraft non-destructive inspection technicians (see 2261 Non-destructive testers and inspection technicians)
- Government airworthiness inspectors (see 2262 Engineering inspectors and regulatory officers)
- Supervisors of aircraft mechanics and aircraft inspectors (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Aircraft mechanics perform some or all of the following duties:

- Troubleshoot aircraft structural, mechanical or hydraulic systems to identify problems and adjust and repair systems according to specifications, technical drawings, manuals and established procedures
- Repair and overhaul aircraft structural, mechanical or hydraulic systems
- Install or modify aircraft engines and mechanical, hydraulic, flight control, fuel and pneumatic systems
- Dismantle airframes, aircraft engines or other aircraft systems for repair, overhaul and cleaning, and reassemble
- Perform and document routine maintenance
- Order and maintain inventory of parts and supplies.

Aircraft mechanics usually specialize in working on specific aircraft systems such as engines, engine accessories, airframes, propellers, mechanical components or hydraulic systems and specific kinds of aircraft, such as light aircraft, jet transports and helicopters.

Aircraft inspectors perform some or all of the following duties:

- Inspect structural and mechanical systems of aircraft and ensure that these systems meet Transport Canada and company standards of performance and safety
- Inspect work of aircraft mechanics performing maintenance, repair and overhaul, or modification of aircraft and aircraft mechanical systems to ensure adherence to standards and procedures
- Maintain detailed repair, inspection and certification records and reports.

Employment requirements

- Completion of secondary school is required.
- A college diploma in aircraft maintenance or
Completion of a four-year apprenticeship program is usually required.
- Several years of on-the-job training are required for aircraft mechanics.
- Aircraft mechanics and inspectors who sign maintenance releases and certify airworthiness require an Aircraft Maintenance Engineer's (AME) licence issued by Transport Canada.
- Trade certification for aircraft maintenance engineers is available, but voluntary, in Ontario, the Northwest Territories and Nunavut.
- Trade certification for aircraft structural technicians is available, but voluntary, in British Columbia.

- Industry certification from the Canadian Aviation Maintenance Council for some occupations in this unit group is available, but voluntary.
- Aircraft inspectors require several years of experience as an aircraft mechanic.

Additional information

- Aircraft mechanics may progress to foreman/woman, shop supervisor or aircraft inspector.
- With experience, aircraft inspectors may progress to shop inspector or supervisor.
- Aircraft mechanics and inspectors may acquire further endorsements to their AME licence allowing them to inspect and certify a broader range of aircraft and aircraft systems.
- AME licences are issued in the following categories: M - Small and Large Aircraft, E - Electronic Systems, S - Aircraft Structures.

7316 Machine fitters

Machine fitters fit, assemble and otherwise build heavy industrial machinery and transportation equipment, including aircraft engines. They are employed in industrial machinery and transportation equipment manufacturing industries.

Illustrative example(s)

- aircraft engine fitter
- assembly fitter
- heavy equipment fitter
- machine builder
- machine fitter
- machine tool builder
- mechanical fitter

Exclusion(s)

- Aircraft assemblers (see 9521 Aircraft assemblers and aircraft assembly inspectors)
- Assemblers of electrical industrial equipment (see 9525 Assemblers, fabricators and inspectors, industrial electrical motors and transformers)
- Mechanical assemblers and inspectors (9526)
- Millwrights (see 7311 Construction millwrights and industrial mechanics)
- Supervisors of machine fitters (see 7301 Contractors and supervisors, mechanic trades)
- Welders and related machine operators (7237)

Main duties

Machine fitters perform some or all of the following duties:

- Read and interpret blueprints, sketches and diagrams to determine assembly operations
- Fit and assemble prefabricated metal parts to build heavy industrial machinery and equipment such as construction, farming, and processing machinery, railway vehicles and aircraft engines
- Move and align subassemblies and components using lifting and transporting devices such as overhead cranes
- Install major components such as gears, pumps, motors or hydraulic assemblies
- Inspect parts, subassemblies and finished products to ensure quality.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a mechanical apprenticeship program, such as millwrighting, machining, pipefitting, automotive service or heavy equipment repair
or
Completion of a four-year machine fitter apprenticeship program
or
Completion of five years of on-the-job training is usually required.
- Completion of a two- to three-year college program in aircraft manufacturing or general fabrication is required for aircraft engine fitters.
- Certification in a related trade may be required.

Additional information

- Progression to supervisory positions is possible with experience.

7318 Elevator constructors and mechanics

Elevator constructors and mechanics assemble, install, maintain and repair freight and passenger elevators, escalators, moving walkways and other related equipment. They are employed by elevator construction and maintenance companies.

Illustrative example(s)

- elevator constructor
- elevator mechanic
- elevator mechanic apprentice
- escalator repairer

Exclusion(s)

- Elevator inspectors (see 2262 Engineering inspectors and regulatory officers)
- Supervisors of elevator constructors and mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Elevator constructors and mechanics perform some or all of the following duties:

- Read and interpret blueprints to determine layout of system components
- Perform preparatory construction work including steel work, wiring and piping
- Install elevators, escalators, moving walkways, dumbwaiters and related equipment according to specifications
- Connect car frames to counterweights with cables and assemble elevator cars
- Install and wire electric and electronic control system devices
- Install, test and adjust safety control devices
- Test operation of newly installed equipment
- Troubleshoot electrical or mechanical systems failures
- Disassemble defective units and repair or replace worn or suspect parts
- Adjust valves, ratchets, seals, brake linings and other components
- Carry out preventative maintenance programs to ensure public safety.

Elevator constructors and mechanics may specialize in construction, maintenance or repair.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four- to five-year apprenticeship program
or
A combination of over four years of work experience in the trade and some high school, college or industry courses in elevator construction or repair is usually required to be eligible for trade certification.
- Elevator constructor and mechanic trade certification is compulsory in Quebec and Alberta and available, but voluntary, in British Columbia, the Northwest Territories and Nunavut.

Additional information

- Progression to supervisory positions is possible with experience.

732 Automotive service technicians**7321 Automotive service technicians, truck and bus mechanics and mechanical repairers**

Automotive service technicians, truck and bus mechanics and mechanical repairers inspect, diagnose, repair and service mechanical, electrical and electronic systems and components of cars, buses, and light and commercial transport trucks. They are employed by motor vehicle dealers, garages, truck and trailer dealerships, fleet

maintenance companies, and service stations, automotive specialty shops, transportation companies and retail establishments which have automotive service shops. This unit group also includes mechanical repairers who perform major repairs and replacement of mechanical units on newly assembled motor vehicles. They are employed by motor vehicle manufacturing companies.

Illustrative example(s)

- apprentice motor vehicle mechanic
- automobile mechanic
- automotive service technician
- brake systems mechanic
- bus mechanic
- mechanical upgrader - motor vehicle manufacturing
- motor repairer - motor vehicle manufacturing
- transmission mechanic
- truck and transport mechanic
- truck-trailer repairer
- tune-up specialist - motor vehicle

Exclusion(s)

- Heavy-duty equipment mechanics (7312)
- Motor vehicle assemblers, inspectors and testers (9522)
- Motor vehicle body repairers (7322)
- Recreation vehicle service technicians (see 7384 Other trades and related occupations, n.e.c.)
- Supervisors, motor vehicle assembling (9221)
- Supervisors of motor vehicle mechanics (see 7301 Contractors and supervisors, mechanic trades)
- Transport truck and trailer assemblers (see 9526 Mechanical assemblers and inspectors)

Main duties

Automotive service technicians perform some or all of the following duties:

- Review work orders and discuss work with supervisor
- Inspect motor in operation, road test motor vehicle, and test automotive systems and components using computerized diagnostic and other testing devices to diagnose and isolate faults
- Adjust, repair or replace parts and components of automotive systems including fuel system, brakes, steering and suspension, engine and drive train, emission control and exhaust, cooling and climate control, and electrical and electronic systems using hand tools and other specialized automotive repair equipment
- Test and adjust repaired systems to manufacturer's performance specifications
- Perform scheduled maintenance service, such as oil changes, lubrications and tune ups
- Advise customers on work performed, general vehicle condition and future repair requirements.

Mechanical repairers, motor vehicle manufacturing, perform some or all of the following duties:

- Inspect and test mechanical units, such as engines, transmissions, axles and brake systems, to locate faults and malfunctions
- Diagnose faults or malfunctions and confirm findings with supervisor to determine whether to repair or replace unit
- Repair or replace mechanical units or components using hand and power tools
- Test and adjust units to specifications for proper performance
- Complete reports to record problems and work performed.

Truck and transport and truck-trailer mechanics perform some or all of the following duties:

- Adjust, repair or replace parts and components of commercial transport truck systems including chassis, frame, cab, body, engine and drive train, air brakes, steering, and fuel, hydraulic, electrical and electronic systems
- Adjust, repair or replace parts and components of truck-trailer systems including structural, brake and electrical systems.

Workers in this unit group may specialize in the following areas: engine and fuel systems, transmission systems, air conditioning, cooling and heating systems, steering, alignment, brakes, drive lines, suspension, electrical and electronic systems, truck-trailer repair or diagnostic services.

*Employment requirements**Automotive service technicians*

- Completion of secondary school is usually required.
- Completion of a four-year automotive service technician apprenticeship program or
A combination of over four years of work experience in the trade and high school, college or industry courses in automotive technology is required to be eligible for trade certification.
- Trade certification for automotive service technicians is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Manitoba, Saskatchewan, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Automotive service technician (transmission) trade certification is compulsory in Ontario.
- Automotive service technician (steering, suspension and brakes) trade certification is compulsory in New Brunswick and Ontario.
- Automotive service technician (service station mechanic) trade certification is compulsory in Nova Scotia and Prince Edward Island.
- Red Seal endorsement is also available to qualified automotive service technicians upon successful completion of the interprovincial Red Seal examination.

Mechanical repairers, motor vehicle manufacturing

- Completion of secondary school is usually required.
- On-the-job training of two to three years is provided by employers.

Truck and transport and truck-trailer mechanics

- Completion of secondary school is usually required.
- Completion of a four-year truck and transport mechanic or truck-trailer repair apprenticeship or
A combination of over four years of work experience in the trade and high school, college or industry courses in truck or heavy duty equipment mechanics is required to be eligible for trade certification.
- Trade certification for truck and transport mechanics is compulsory in Nova Scotia, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Quebec, Manitoba, Saskatchewan, British Columbia and the Yukon.
- Transport trailer technician trade certification is compulsory in Ontario and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, British Columbia and the Yukon.
- Red Seal endorsement is also available to qualified truck-trailer repairers and truck and transport mechanics upon successful completion of the interprovincial Red Seal examination.

Additional information

- With additional training, mobility is possible between automobile and truck and transport mechanics.
- The Red Seal endorsement allows for interprovincial mobility.
- With experience, mechanics and technicians in this unit group may progress to supervisory positions.
- Mechanical repairers employed in motor vehicle manufacturing may progress to motor vehicle mechanic positions through an apprenticeship program, or with experience, they may progress to supervisory positions in motor vehicle manufacturing.

7322 Motor vehicle body repairers

Motor vehicle body repairers repair and restore damaged motor vehicle body parts and interior finishing; repaint body surfaces; and repair and/or replace automotive glass. They are employed by automobile dealerships, automobile body repair shops and automobile appraisal centres. This unit group also includes metal repairers who repair defective automobile body parts and damage to the bodies of newly assembled cars. They are employed by motor vehicle manufacturers.

Illustrative example(s)

- autobody repairer
- automotive body mechanic
- automotive glass technician

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- automotive painter - motor vehicle repair
 - automotive painter apprentice
 - metal finisher - motor vehicle manufacturing
 - metal repairer - motor vehicle manufacturing
 - motor vehicle body repairer apprentice
 - motor vehicle body technician - truck
 - painter - motor vehicle repair

Exclusion(s)

- Automotive service technicians, truck and bus mechanics and mechanical repairers (7321)
- Painters - motor vehicle manufacturing (see 9536 Industrial painters, coaters and metal finishing process operators)
- Supervisors, motor vehicle assembling (9221)
- Supervisors of motor vehicle body repairers and automotive painters (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Workers in this unit group perform some or all of the following duties:

- Review damage report and estimates of repair cost and plan work to be performed
- Repair and replace front end components, body components, doors and frame and underbody components
- Hammer out dents, buckles and other defects using blocks and hammers
- Operate soldering equipment or use plastic filler to fill holes, dents and seams
- Remove damaged fenders, panels and grills using wrenches and cutting torch and bolt or weld replacement parts into place
- Straighten bent frames using frame and underbody pulling and anchoring equipment
- File, grind and sand repaired body surfaces using hand and power tools
- Mask and tape auto body surfaces in preparation for painting
- Mix paint, blend and match colors
- Apply primers and repaint surfaces using brush or spray guns
- Repair and replace glass components such as windshields, windows and sunroofs
- Repair or replace interior components, such as seat frame assembly, carpets and floorboard insulation
- Inspect repaired vehicles and test drive vehicles for proper handling.

*Employment requirements**Motor vehicle body repairers*

- Completion of secondary school is usually required.
- Completion of a three- to four-year motor vehicle body repair apprenticeship program or
A combination of over three years of work experience in the motor vehicle body repair trade and completion of a high school or college automotive body repair program is usually required to be eligible for trade certification.
- Trade certification for motor vehicle body repair (metal and paint) is compulsory in Nova Scotia, Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Auto body repairer and painter certification is compulsory in Quebec and auto body repairer certification is compulsory in Ontario and Alberta and available, but voluntary, in the Yukon and the Northwest Territories.
- Red Seal endorsement is also available to qualified motor vehicle body repairers (metal and paint) upon successful completion of the interprovincial Red Seal examination.

Automotive painters

- Completion of secondary school is usually required.
- Completion of a two- to three-year automotive painter apprenticeship program or
A combination of one year of work experience in the automotive painter trade and completion of a high school or college automotive painting program is usually required for automotive painter trade certification.

- Automotive painter certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Saskatchewan, British Columbia, the Yukon and the Northwest Territories.
- Red Seal endorsement is also available to qualified automotive painters upon successful completion of the interprovincial Red Seal examination.

Automotive glass installers and repairers

- Completion of secondary school is usually required.
- Auto glass industry certification is usually required.
- Apprenticeship training and trade certification for automotive glass technicians is available, but voluntary, in Alberta and British Columbia.

Metal repairers, motor vehicle manufacturing

- Completion of secondary school is usually required.
- One to two years of on-the-job training are provided.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- With experience, motor vehicle body repair and automotive painter tradespersons may progress to supervisory positions.
- Metal repairers employed in motor vehicle manufacturing may progress to motor vehicle repairer positions through an apprenticeship program, or, with experience, they may progress to supervisory positions in motor vehicle manufacturing.

733 Other mechanics and related repairers

7331 Oil and solid fuel heating mechanics

Oil and solid fuel heating mechanics install and maintain oil, coal and wood heating systems in residential and commercial buildings. They are employed by heating systems installation and service companies.

Illustrative example(s)

- furnace installer and repairer (except gas)
- heating service mechanic
- heating systems technician
- oil burner installer
- oil burner mechanic
- oil burner mechanic apprentice
- wood burner installer

Exclusion(s)

- Gas fitters (7253)
- Refrigeration and air conditioning mechanics (7313)
- Supervisors of oil and solid fuel heating mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Oil and solid fuel heating mechanics perform some or all of the following duties:

- Read and interpret drawings or specifications to determine work to be performed
- Lay out oil burner heating system components and assemble components using hand and power tools
- Install oil burner components such as thermostats, motors, piping and safety devices, and connect to fuel supply, ventilation and electrical system
- Test installed unit and adjust controls for proper functioning
- Troubleshoot and repair malfunctioning oil burners, and their components and controls
- Install, maintain and repair coal and wood heating systems
- Perform scheduled maintenance service on oil and solid fuel heating systems.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program or

A combination of over four years of work experience in the trade and some college or industry courses in heating systems installation and repair is usually required for trade certification.

- Oil heat system technician trade certification is compulsory in Nova Scotia and New Brunswick and is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, British Columbia, the Yukon, the Northwest Territories and Nunavut.
- Red Seal endorsement is also available to qualified oil heat system technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7332 Appliance servicers and repairers

Appliance servicers and repairers service and repair domestic and commercial appliances. They are employed by repair shops, appliance service companies and repair departments of retail and wholesale establishments, or they may be self-employed.

Illustrative example(s)

- appliance service technician
- appliance service technician apprentice
- appliance servicer
- commercial foodservice appliance technician
- commercial laundry appliance technician
- dishwasher repairer
- refrigerator repairer
- service technician - electrical appliances
- service technician - gas appliances
- stove repairer
- vacuum cleaner repairer
- washing machine servicer
- window air conditioner repairer

Exclusion(s)

- Electronic service technicians (household and business equipment) (2242)
- Gas fitters (7253)
- Other small engine and small equipment repairers (7335)
- Refrigeration and air conditioning mechanics (7313)
- Residential and commercial installers and servicers (7441)
- Supervisors of appliance servicers and repairers (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Small electrical appliance servicers and repairers perform some or all of the following duties:

- Repair small electrical appliances, such as lawn and garden equipment and power tools
- Consult customer or refer to work order to establish nature of the appliance malfunction
- Observe operation of appliance and conduct voltage, resistance and other tests using electrical test equipment
- Refer to schematic drawings or product manuals and replace or repair parts or components using hand tools and soldering equipment
- Prepare estimates and written accounts of work performed.

Major appliance repairers/technicians perform some or all of the following duties:

-
- Repair major electrical or gas appliances, such as domestic and commercial dishwashing equipment, stoves, laundry equipment and refrigerators in customer's home, in customer's place of business or in repair shop
 - Consult customer or refer to work order to establish nature of the appliance malfunction
 - Diagnose faults by checking controls, condensers, timer sequences, fans and other components using test equipment such as meters and gauges to measure resistance, current, voltage, pressure, temperature, flue gases and flow rates
 - Refer to schematic diagrams or product manuals and disassemble appliance using hand tools
 - Use shop equipment and specialized diagnostic and programming apparatus to repair, adjust and reprogram appliances
 - Replace components and subcomponents and reassemble appliance using hand tools and soldering and brazing equipment
 - Prepare estimates and written accounts of work performed
 - May plan service routes.

Employment requirements

- Small appliance repairers usually require some specialized college or high school courses or several months of on-the-job training.
- Major appliance repairers/technicians require some secondary school education and completion of a college program in appliance repair or
Completion of a three- or four-year apprenticeship program in appliance repair.
- Appliance service technician, or appliance serviceperson, trade certification is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, British Columbia, the Northwest Territories and Nunavut.
- A provincial gas fitter licence, or gas appliance technician certificate, may be required for gas appliance service technicians.
- Red Seal endorsement is also available to qualified appliance service technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7333 Electrical mechanics

Electrical mechanics maintain, test, rebuild and repair electric motors, transformers, switchgear and other electrical apparatus. They are employed by independent electrical repair shops, service shops of electrical equipment manufacturers and maintenance departments of manufacturing companies.

Illustrative example(s)

- armature winder repairer
- coil winder and repairer
- electric motor systems technician
- electrical mechanic
- electrical mechanic apprentice
- electrical rewind mechanic
- electrical transformer repairer
- industrial motor winder-repairer
- power transformer repairer
- transformer repairer

Exclusion(s)

- Aircraft electrical mechanics (see 2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (9525)
- Industrial electricians (7242)

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- Supervisors of electrical mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Electrical mechanics perform some or all of the following duties:

- Test and observe electrical, electronic and mechanical components and systems using testing and measuring instruments
- Troubleshoot and repair electric motors, transformers, switchgear, generators and other electro-mechanical equipment
- Replace or recondition shafts, bearings, commutators and other components
- Wind, assemble and install various types of coils for electric motors or transformer
- Perform static or dynamic balancing of armatures or rotors by welding, brazing or soldering electrical connections and by aligning and adjusting parts
- Test and repair or replace faulty wiring or components in electrical switchgear
- Test repaired motors, transformers, switchgear or other electrical apparatus to ensure proper performance
- Perform some machining to recondition or modify shafts, commutators or other parts
- Perform on-site servicing and repair.

Electrical mechanics may specialize in working with certain types of apparatus, such as electric motors or transformers, or in performing certain functions, such as winding coils.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a four-year apprenticeship program
or
A combination of over four years of work experience in the trade and some college or industry courses in electrical mechanics is usually required for trade certification.
- Trade certification as an electric motor system technician is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Alberta, British Columbia, the Yukon and Nunavut.
- Electrical motor and equipment repairer - winding trade certification is available, but voluntary in Quebec.
- Electrical motor system technician (electrical utility) trade certification is available, but voluntary in New Brunswick.
- Red Seal endorsement is also available to qualified electric motor system technicians upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Although specialization may occur, workers in this unit group are required to be proficient in repairing all electrical apparatus.
- Progression to supervisory positions is possible with experience.

7334 Motorcycle, all-terrain vehicle and other related mechanics

Mechanics in this unit group test, repair and service motorcycles, motor scooters, snowmobiles, forklifts and all-terrain vehicles. They are employed by service shops of motorcycle dealers and retailers and by independent service establishments.

Illustrative example(s)

- all-terrain vehicle repairer
- forklift mechanic
- industrial truck repairer
- motor boat mechanic
- motor scooter repairer
- motorcycle mechanic
- motorcycle mechanic apprentice
- outboard motor mechanic
- snowmobile repairer

Exclusion(s)

- Other small engine and small equipment repairers (7335)
- Supervisors of motorcycle and related equipment mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Mechanics in this unit group perform some or all of the following duties:

- Review work orders and discuss work to be performed with supervisor
- Inspect and test engine and other mechanical components using test devices to diagnose and isolate faults
- Adjust, repair or replace mechanical or electrical system parts and components using hand tools and equipment
- Test and adjust repaired systems for proper performance
- Perform scheduled maintenance service on equipment
- Advise customers on work performed and general condition of equipment
- Determine estimates of repair cost
- May repair and rebuild hoisting mechanism and other mechanical systems on industrial trucks and forklifts.

Employment requirements

- Completion of secondary school is usually required.
- For motorcycle mechanics, completion of a three- to four-year apprenticeship program or
A combination of over three years of work experience in the trade and some high school or college courses in motorcycle repair is usually required to be eligible for trade certification.
- Motorcycle mechanic trade certification is compulsory in Ontario and Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick and British Columbia.
- Other mechanics in this unit group may require several years of on-the-job training.
- Red Seal endorsement is also available to qualified motorcycle mechanics upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- There is mobility among some occupations in this unit group.
- Progression to supervisory positions is possible with experience.

7335 Other small engine and small equipment repairers

Workers in this unit group test, repair and service small gasoline and diesel-powered engines and equipment, such as garden tractors, outboard motors, lawn mowers and other related equipment. They are employed by dealer service shops and by independent service establishments.

Illustrative example(s)

- air-cooled engine mechanic
- lawn and garden equipment technician
- lawn mower repairer, gasoline powered
- small engine technician
- small equipment mechanic apprentice
- small equipment repairer

Exclusion(s)

- Appliance servicers and repairers (7332)
- Motorcycle, all-terrain vehicle and other related mechanics (7334)
- Supervisors of small engine and equipment mechanics (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Workers in this unit group perform some or all of the following duties:

- Review work orders and discuss work to be performed with supervisor
- Inspect and test engines and other mechanical components using test devices to diagnose and isolate faults
- Adjust, repair or replace mechanical or electrical system parts and components using hand tools and equipment
- Test and adjust repaired equipment for proper performance
- Perform scheduled maintenance service on equipment
- Advise customers on work performed and general condition of equipment
- Determine estimates of repair cost.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a three- to four-year apprenticeship program in small engine or equipment repair or
A combination of several years of work experience in the trade and some high school or college courses in small engine or equipment repair are usually required for trade certification.
- Small engine or equipment mechanic trade certification is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, New Brunswick, Ontario and Nunavut.
- Inboard/outboard mechanic trade certification is available, but voluntary, in Ontario and British Columbia.
- Outdoor power equipment technician trade certification, for specified types of equipment, is available, but voluntary, in Manitoba, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut.

Additional information

- Progression to supervisory positions is possible with experience.

736 Train crew operating occupations**7361 Railway and yard locomotive engineers**

Railway locomotive engineers operate railway locomotives to transport passengers and freight. They are employed by railway transport companies. Yard locomotive engineers operate locomotives within yards of railway, industrial or other establishments. They are employed by railway transport companies and industrial or commercial users of rail transport.

Illustrative example(s)

- locomotive engineer - railway
- railway engineer
- switch engineer - railway
- transfer hostler - railway
- yard engineer - railway

Exclusion(s)

- Subway and light rail transit operators (see 7512 Bus drivers, subway operators and other transit operators)
- Supervisors, railway transport operations (7304)
- Train dispatchers (see 2275 Railway traffic controllers and marine traffic regulators)

Main duties

Railway locomotive engineers perform some or all of the following duties:

- Operate locomotives to transport passengers and freight on railways
- Operate communication systems to communicate with train crews and traffic controllers to ensure safe operation and scheduling of trains
- Inspect assigned locomotives and test operating controls and equipment.

Yard locomotive engineers perform some or all of the following duties:

- Operate locomotives to switch, couple and uncouple cars for loading and unloading
- Perform switching operations according to written switching orders or dispatched instructions
- Inspect locomotives, replenish fuel or perform routine maintenance on locomotives.

Employment requirements

- Completion of secondary school is usually required.
- Experience as a conductor is required for railway locomotive engineers and may be required for yard locomotive engineers.
- Experience as a railway yard worker may be required for yard locomotive engineers.
- Railway locomotive engineers require a Canadian Rail Operating Rules certificate.

Additional information

- Mobility between railway transport companies or between establishments employing locomotive engineers may be limited due to seniority provisions of collective agreements.

7362 Railway conductors and brakemen/women

Railway conductors co-ordinate and supervise the activities of passenger and freight train crew members. Brakemen check train brakes and other systems and equipment prior to train run, and assist railway conductors in activities en route. They are employed by railway transport companies.

Illustrative example(s)

- brakeman/woman
- conductor - switching yard
- freight train conductor
- front-end brakeman/woman
- passenger train conductor
- railway conductor
- road freight brakeman/woman
- tail-end brakeman/woman

Exclusion(s)

- Railway and yard locomotive engineers (7361)
- Supervisors, railway transport operations (7304)

Main duties

Railway conductors perform some or all of the following duties:

- Supervise and co-ordinate the activities of passenger and freight train crew members (except locomotive engineers) to ensure train operations are in accordance with schedule, train orders and code of operating rules
- Receive train orders and explain orders to brakemen/women, locomotive engineer and other crew members
- Communicate with train crew members by radio, signals or by other means to give and receive train operation information
- Collect fares on board passenger trains, announce approaching train stops and answer passenger enquiries
- Prepare train run reports.

Brakemen/women perform some or all of the following duties:

- Check train systems and equipment such as air conditioning and heating systems, brakes and brake hoses prior to train run
- Communicate with train crew members by radio, signals or by other means to aid in the movement and operation of train
- Receive orders from traffic controllers, observe signals and track conditions and open and close track switches

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- Set and release hand brakes and connect air brake hoses to couple and switch passenger or freight cars, making minor repairs to couplings, air hoses and wheel-bearing boxes as required
 - Assist in collecting fares and helping passengers on and off train.

Employment requirements

- Completion of secondary school is usually required.
- Experience as a brakeman/woman is required for conductors.
- Experience as a railway worker is usually required for brakemen/women.
- Railway conductors require a Canadian Rail Operating Rules certificate.
- Brakemen/women require a Canadian Rail Operating Rules certificate.

Additional information

- With experience, brakemen/women may progress to railway conductors.
- With experience, railway conductors may progress to locomotive engineers.

737 Crane operators, drillers and blasters

7371 Crane operators

Crane operators operate cranes or draglines to lift, move, position or place machinery, equipment and other large objects at construction or industrial sites, ports, railway yards, surface mines and other similar locations. They are employed by construction, industrial, mining, cargo handling and railway companies.

Illustrative example(s)

- boom truck crane operator
- bridge crane operator
- climbing crane operator
- construction crane operator
- crane operator
- dragline crane operator
- gantry crane operator
- hoist operator (except underground mining)
- mobile crane operator
- tower crane operator
- tractor crane operator

Exclusion(s)

- Heavy equipment operators (except crane) (7521)
- Hoist operators - underground mining (see 8231 Underground production and development miners)
- Supervisors of crane operators (see 7302 Contractors and supervisors, heavy equipment operator crews)

Main duties

Crane operators perform some or all of the following duties:

- Operate mobile and tower cranes to lift, move, position or place equipment and materials
- Perform pre-operational inspection, and calculate crane capacities and weight to prepare for rigging and hoisting
- Operate pile driving cranes to drive pilings into earth to provide support for buildings and other structures
- Operate cranes equipped with dredging attachments to dredge waterways and other areas
- Operate gantry cranes to load and unload ship cargo at port side
- Operate locomotive cranes to move objects and materials at railway yards
- Operate bridge or overhead cranes to lift, move and place plant machinery and materials
- Operate offshore oil rig cranes to unload and reload supply vessels
- Operate cranes mounted on boats or barges to lift, move and place equipment and materials
- Operate dragline cranes to expose coal seams and ore deposits at open pit mines
- May assemble tower cranes on site
- Perform routine maintenance work such as cleaning and lubricating cranes.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a one- to three-year apprenticeship program or High school, college or industry courses in crane operating are usually required.
- Mobile crane operator trade certification is compulsory in Nova Scotia, Quebec, Ontario, Manitoba and Alberta and available, but voluntary, in all other provinces and the Northwest Territories.
- Tower crane operator trade certification is compulsory in Nova Scotia, Quebec, Ontario and Manitoba and available, but voluntary, in Prince Edward Island.
- Mobile crane operator (hydraulic) trade certification is compulsory in Quebec and available, but voluntary, in Prince Edward Island.
- Hoist operator trade certification, for specified types of cranes, is compulsory in Quebec, Ontario, Manitoba and Alberta and is available, but voluntary, in New Brunswick, Saskatchewan, British Columbia, the Northwest Territories and Nunavut.
- Mobile crane operators may require a provincial licence to drive mobile cranes on public roads.
- Internal company certification as a crane operator may be required by some employers.
- Red Seal endorsement is also available to qualified mobile crane, tower crane and mobile crane (hydraulic) operators upon successful completion of the interprovincial Red Seal examination.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- Progression to supervisory positions is possible with experience.

7372 Drillers and blasters - surface mining, quarrying and construction

Drillers in this unit group operate mobile drilling machines to bore blast holes in open-pit mines and quarries and to bore holes for blasting and for building foundations at construction sites. Blasters in this unit group fill blast holes with explosives and detonate explosives to dislodge coal, ore and rock or to demolish structures. They are employed by mining, quarrying and construction companies and by drilling and blasting contractors.

Illustrative example(s)

- blaster - quarrying
- blaster - surface mining
- blaster, construction
- driller - surface mine
- driller, construction
- open-pit blaster
- rotary drilling machine operator

Exclusion(s)

- Oil and gas well drillers (see 8232 Oil and gas well drillers, servicers, testers and related workers)
- Supervisors of construction drillers and blasters (see 7302 Contractors and supervisors, heavy equipment operator crews)
- Supervisors of surface mining drillers and blasters (see 8221 Supervisors, mining and quarrying)
- Underground mine drillers and blasters (see 8231 Underground production and development miners)
- Water well drillers (7373)

Main duties

Drillers in this unit group perform some or all of the following duties:

- Drive and operate tracked or truck-mounted rotary drilling, air-track or other drilling machines to bore large blast holes to specified depths at staked positions in open-pit mine or quarry
- Operate drilling machines to drill blast holes in rock at road or other construction sites
- Operate tracked or truck-mounted drill equipped with auger or other attachment to drill holes for building foundations or pilings
- May measure location and stake out pattern of holes to be drilled, load blast holes with explosives and detonate explosives to dislodge coal, ore or rock.

Blasters in this unit group perform some or all of the following duties:

- Read instructions or diagrams, lay out drill pattern and determine depth and diameter of blast holes and conduct field tests to determine type and quantity of explosives required
- Assemble or direct other workers to assemble primer charges using selected detonators, fuses, detonating cords and other materials
- Load explosives in blast holes by hand or direct movement of bulk explosives trucks to load holes
- Connect electrical wires, detonating cords or fuses into series and connect series to blasting machines; press handle or button to detonate charges
- Handle, store and transport explosives and accessories in accordance with regulations and ensure that safety procedures are observed
- May operate air-track, rotary, down-the-hole or other drilling machines to drill blast holes or may direct drilling of blast holes.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a heavy equipment operator may be required for drillers.
- Experience as a blaster helper in surface mining and quarrying or construction may be required for blasters.
- Provincial blasting licence is usually required for blasters.
- Trade certification for blasters is available, but voluntary, in New Brunswick and Ontario.

Additional information

- Drillers and blasters often perform both drilling and blasting activities.
- Progression to supervisory positions is possible with experience.

7373 Water well drillers

Water well drillers operate a variety of mobile water well drilling rigs and equipment to drill and monitor residential, commercial and industrial water wells. They are employed by water well drilling contractors and governments, or they may be self-employed.

Illustrative example(s)

- cable tool driller - water well drilling
- churn drill operator - water well drilling
- water well driller
- water well driller apprentice

Exclusion(s)

- Drillers - underground mining (see 8231 Underground production and development miners)
- Oil and gas well drillers, servicers, testers and related workers (8232)
- Surface mining, quarrying and construction drillers (see 7372 Drillers and blasters - surface mining, quarrying and construction)
- Water well drilling contractors and supervisors of water well drillers (see 7302 Contractors and supervisors, heavy equipment operator crews)

Main duties

Water well drillers perform some or all of the following duties:

- Review client requirements and proposed locations for water wells
- Operate water well drilling rigs and other equipment to drill, bore and dig for residential, commercial and industrial water wells or environmental assessment, and install well screens, casings and other well fixtures
- Document geological formations encountered
- Clean and disinfect wells in preparation for use
- Perform routine mechanical maintenance work on water well drilling rigs and equipment

- Install, test, maintain and repair water well pumps, piping systems and equipment and perform pumping tests to assess well performance
- May provide other drilling services, such as repair or dismantling of existing water well structure, elevator shaft drilling and hydro pole drilling.

Water well drillers may specialize in a specific method of drilling, such as cable, rotary, auger, hammer or reverse circulation drilling.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to three-year water well drilling apprenticeship program
or
Two to three years of work experience in the trade combined with college or industry courses in water well drilling is usually required to be eligible for trade certification.
- Trade certification is available, but voluntary, in New Brunswick, Saskatchewan, Alberta and British Columbia.

Additional information

- Mobility is possible among the various well drilling operators in this unit group.
- Progression to supervisory positions is possible with experience.

738 Printing press operators and other trades and related occupations, n.e.c.

7381 Printing press operators

Printing press operators set up and operate sheet and web-fed presses to print text, illustrations and designs on a wide variety of materials such as paper, plastic, glass, leather and metal. They are employed by commercial printing companies; newspapers, magazines, and other publishing companies; and establishments in the public and private sectors that have in-house printing departments.

Illustrative example(s)

- apprentice pressman/woman
- assistant pressman/woman
- first pressman/woman
- flexographic press operator
- offset press operator
- printing press operator
- rotogravure pressman/woman - printing

Exclusion(s)

- Operators of laser printers, colour and large copiers and printing machines (see 9471 Plateless printing equipment operators)
- Screen printing artisans (see 5244 Artisans and craftspersons)
- Supervisors, printing and related occupations (7303)
- Textile printers (see 9441 Textile fibre and yarn, hide and pelt processing machine operators and workers)

Main duties

Printing press operators perform some or all of the following duties:

- Review job orders to determine job specifications such as production time, colour sequence and quantities required, and advise press crew of these specifications
- Mount plates or cylinders and make necessary adjustments
- Fill ink fountains and take measurements, make adjustments and determine settings to control colour and viscosity
- Set up press and check samples for ink coverage, alignment and registration
- Monitor regular press runs for quality and consistency using computer control console and make adjustments as required
- Remove and clean plates and cylinders at end of press run

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- Direct activities of press crew and ensure that safety procedures are adhered to.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a college program in printing technology or
A combination of on-the-job training and specialized high school, college or industry courses is usually required.
- Trade certification is available, but voluntary, in Québec.

Additional information

- Progression to supervisory positions, such as pressroom supervisor, is possible with experience.

7384 Other trades and related occupations, n.e.c.

This unit group includes tradespersons and related skilled workers, not elsewhere classified, who repair, service, install, calibrate or fabricate a variety of products. This unit group includes commercial divers. They are employed by a wide range of establishments, or they may be self-employed.

Illustrative example(s)

- aircraft patternmaker
- blacksmith
- commercial diver
- die setter
- explosive ordnance detector
- farrier
- gunsmith
- locksmith
- reclamation diver
- recreation vehicle technician
- restoration steeplejack
- safe maker
- saw fitter
- small arms repairer
- toolsmith
- underwater contractor
- vault repairer

Exclusion(s)

- Automotive service technicians (732)
- Motorcycle, all-terrain vehicle and other related mechanics (7334)
- Other small engine and small equipment repairers (7335)
- Police divers (see 4311 Police officers (except commissioned))
- Welders and related machine operators (7237)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Gunsmiths fabricate guns and repair and modify firearms according to blueprints or customers' specifications.
- Locksmiths repair, install and adjust locks, make keys and change lock combinations.
- Recreation vehicle technicians repair or replace electrical wiring, plumbing, propane gas lines, appliances, windows, doors, cabinets and structural frames in recreational vehicles.
- Safe and vault servicers install, repair and maintain safes and vaults in banks and other establishments.
- Saw fitters repair, set and sharpen band saws, chain saws, circular saws and other types of saw blades according to specifications.

- Die setters select dies for forging according to work order and specifications; position align and bolt dies to ram and anvil of power presses and hammers.
- Commercial divers perform underwater activities related to construction, inspection, search, salvage, repair and photography.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a two- to four-year apprenticeship program in a relevant trade, such as locksmith, recreation vehicle technician or saw fitter
or
College, high school or industry courses combined with several years of related work experience
or
Several years of on-the-job training are required.
- Trade certification for locksmiths is available, but voluntary, in Nova Scotia, New Brunswick, Saskatchewan, Alberta, British Columbia, the Northwest Territories and Nunavut.
- Trade certification for recreation vehicle service technicians is compulsory in Alberta and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, British Columbia and the Yukon.
- Sawfiler/fitter and sawfitter trade certification is available, but voluntary, in Quebec, Alberta, British Columbia and the Yukon.
- Provincial trade certification or licensing may be required for other occupations in this unit group.
- Red Seal endorsement is also available to qualified recreation vehicle service technicians upon successful completion of the interprovincial Red Seal examination.
- Commercial divers must meet the requirements of CSA Standard Z275.4-02, Competency Standard for Diving Operations.
- Commercial divers require an Occupational Diver Certificate of Competency issued by the Diver Certification Board of Canada (DCBC) or qualification earned through a formal education program, training courses in diving or a combination of education and practical experience.
- Commercial divers require certification of competency and a diving medical examination from an approved hyperbaric physician.
- Commercial divers may require military or police diving experience.
- Commercial divers usually require a provincial blaster's licence for the setting and detonation of explosives.

Additional information

- The Red Seal endorsement allows for interprovincial mobility.
- There is little or no mobility among occupations in this unit group.
- Progression to supervisory positions is possible with experience.

74 Other installers, repairers and servicers and material handlers

744 Other installers, repairers and servicers

7441 Residential and commercial installers and servicers

Workers in this unit group install and service a wide variety of interior and exterior prefabricated products such as windows, doors, electrical appliances, water heaters, fences, play structures and septic and irrigation systems at residential, commercial or institutional properties. They are employed by companies specializing in specific product installation and service.

Illustrative example(s)

- aluminum window installer
- eavestrough installer
- electric appliance installer
- exterior cladder
- fence erector

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- hot tub installer
 - irrigation technician - installation and maintenance
 - kitchen cupboard and vanity installer
 - recreation structure erector
 - siding installer
 - sign installer
 - swimming pool installer
 - water conditioner servicer
 - water heater servicer
 - window installer

Exclusion(s)

- Appliance servicers and repairers (7332)
- Central air conditioner installers (see 7313 Refrigeration and air conditioning mechanics)
- Steamfitters, pipefitters and sprinkler system installers (7252)
- Supervisors of workers in this unit group (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Installers and servicers in this unit group perform some or all of the following duties:

- Read blueprints or work order specifications to determine layout and installation procedures
- Measure and mark guidelines to be used for installations
- Install, repair and service interior prefabricated products such as doors, windows, kitchen cupboards, bathroom vanities, water heaters and household appliances using hand and power tools
- Install, repair and service exterior prefabricated products such as siding, shutters, awnings, fencing, decks, septic and irrigation systems, signs and play structures using hand and power tools.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training and several months of related installing, repairing or servicing experience are usually required.
- A driver's licence may be required.

Additional information

- There is some mobility among the various types of installers and servicers in this unit group.

7442 Waterworks and gas maintenance workers

Waterworks maintenance workers maintain and repair waterworks equipment and facilities. They are employed in water filtration and distribution plants and waste treatment plants. Gas maintenance workers check and perform routine maintenance and minor repairs to exterior and underground gas mains and distribution lines. They are employed by gas distribution companies.

Illustrative example(s)

- gas leak locator
- gas maintenance worker
- gas utility operator
- pipeline maintenance worker
- pipeline patrolman/woman
- utility plant maintenance worker
- waterworks maintenance worker

Exclusion(s)

- Gas fitters (7253)
- Supervisors of water and gas maintenance workers (see 9212 Supervisors, petroleum, gas and chemical processing and utilities)

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- Water and waste treatment plant operators (9243)

Main duties

Waterworks maintenance workers perform some or all of the following duties:

- Check, clean and lubricate waterworks equipment, such as pumping equipment, chlorination equipment and compressors
- Adjust and repair waterworks equipment under the direction of qualified tradesperson
- Search and locate reported water leaks and repair water-mains, valves or outlets
- Install water meters using hand and power tools.

Gas maintenance workers perform some or all of the following duties:

- Check and lubricate gas pipeline valves
- Conduct routine survey of gas mains and distribution lines to detect and locate escaping gas using gas detecting devices
- Investigate reports of gas leaks to determine the exact location and extent of leaks
- Dig ground to expose gas lines and repair damaged pipes
- Keep record of work performed and location and condition of pipelines
- Provide information on underground gas distribution lines and observe excavation work to ensure that underground gas facilities are protected.

Employment requirements

- Completion of secondary school may be required.
- Several years of experience as a labourer in the same company may be required.
- On-the-job training is provided.

Additional information

- Mobility between jobs in this unit group normally occurs within the same area of work, such as within waste water treatment plants, within water filtration and distribution plants or within gas distribution plants.
- Progression to supervisory positions is possible with experience.

7444 Pest controllers and fumigators

Pest controllers and fumigators inspect buildings and outside areas for pest infestation and spray chemical treatments to kill noxious and destructive insects, rodents and other pests or set cage traps to capture and remove animals. They are employed by pest control companies, or they may be self-employed.

Illustrative example(s)

- animal control trapper
- fumigator, pests
- pest control operator
- pest control service representative
- pest control technician
- pest controller
- pest exterminator

Exclusion(s)

- Supervisors of pest controllers and fumigators (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Pest controllers and fumigators perform some or all of the following duties:

- Inspect buildings and outside areas at regular intervals or at specific request of property owner to detect signs of infestation
- Determine type of treatment required and provide estimate of costs to clients
- Prepare and spray chemical mixture on infested areas using mechanical or electric sprayer to kill insects, rodents and other pests

- Fumigate households
- Place and set traps to capture and remove animals, such as skunks or raccoons
- Install animal control barriers such as needle strips, netting and other devices to keep animals off property
- Clean out areas that harbour pests using rakes, shovels, brooms or mops
- Advise clients on how to prevent pest infestation.

Employment requirements

- Completion of secondary school is usually required.
- Completion of courses in pest control or extermination or several months of on-the-job training are usually required.
- Provincial pesticide applicator licence is required in all provinces.

Additional information

- Progression to supervisory positions is possible with experience.

7445 Other repairers and servicers

This unit group includes workers, not elsewhere classified, who repair and service a wide variety of products, such as cameras, scales, musical instruments, coin machines, vending machines, sporting goods and other miscellaneous products and equipment. They are employed by product specialty repair shops and service establishments.

Illustrative example(s)

- bicycle repairer
- camera repairer
- meter repairer
- piano repairer
- scale repairer
- sewing machine servicer - domestic
- sporting goods repairer
- vending machine repairer

Exclusion(s)

- Locksmiths (see 7384 Other trades and related occupations, n.e.c.)
- Supervisors of workers in this unit group (see 7205 Contractors and supervisors, other construction trades, installers, repairers and servicers)

Main duties

Repairers and servicers in this unit group perform some or all of the following duties:

- Inspect products to determine the requirement for repair
- Repair or replace defective or worn out parts and components using hand, power or specially designed tools
- Test and adjust repaired products for proper functioning
- Perform routine maintenance
- May calibrate products using hand tools.

Employment requirements

- Some secondary school education is usually required.
- Completion of college or other courses relevant to a particular equipment or product repair or
Completion of several months of on-the-job training is usually required.

Additional information

- Some mobility may occur among workers in this unit group.
- Progression to supervisory positions is possible with experience.

745 Longshore workers and material handlers

7451 Longshore workers

Longshore workers transfer cargo throughout dock area and onto and from ships and other vessels. They are employed by marine cargo handling companies, shipping agencies and shipping lines.

Illustrative example(s)

- dockworker
- longshore worker
- longshoreman/woman
- ship loader operator
- stevedore
- tanker loader

Exclusion(s)

- Longshore crane operators (see 7371 Crane operators)
- Material handlers (7452)
- Supervisors of longshore workers (see 7302 Contractors and supervisors, heavy equipment operator crews)

Main duties

Longshore workers perform some or all of the following duties:

- Operate industrial trucks, tractors and other mobile equipment to transfer cargo, such as containers, crated items, automobiles and pallet-mounted machinery, around dock to within range of cranes and hoists
- Operate winches or other hoisting devices to load and unload cargo onto and from ships and other vessels
- Operate mechanical towers to load vessels with materials such as coal and ore
- Operate equipment to transfer bulk materials, such as grain, to hold of vessels
- Connect hoses and operate equipment to transfer liquid materials into storage tanks on vessels
- Perform other activities such as lashing and shoring cargo aboard ships, opening and closing hatches, cleaning holds of ships and rigging cargo.

Employment requirements

- Some secondary school education may be required.
- On-the-job training is provided.

Additional information

- Progression to foreman/woman or supervisor of longshore workers is possible with experience.

7452 Material handlers

This unit group includes workers who handle, move, load and unload materials by hand or using a variety of material handling equipment. They are employed by transportation, storage and moving companies, and by a variety of manufacturing and processing companies and retail and wholesale warehouses.

Illustrative example(s)

- bin filler
- coal handler
- conveyor console operator
- forklift truck operator
- freight handler (except air transport)
- furniture mover
- lumber piler - building supplies
- material handler
- railway car loader
- stockpiler

- storage worker - material handling
- truck loader
- warehouseman/woman

Exclusion(s)

- Freight attendants (see 7534 Air transport ramp attendants)
- Heavy equipment operators (except crane) (7521)
- Longshore workers (7451)
- Mover helpers (see 7622 Railway and motor transport labourers)
- Storekeepers and partspersons (1522)
- Supervisors of material handlers (see 7302 Contractors and supervisors, heavy equipment operator crews)
- Warehouse supervisors (see 1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations)

Main duties

Material handlers (manual) perform some or all of the following duties:

- Load, unload and move products and materials by hand or using basic material handling equipment
- Move household appliances and furniture onto and off moving trucks or vans
- Perform other material handling activities such as counting, weighing, sorting, packing and unpacking.

Material handlers (equipment operators) perform some or all of the following duties:

- Operate winches and other loading devices to load and unload materials onto and off trucks, railway cars and loading docks of warehouses and industrial establishments
- Operate industrial trucks, tractors, loaders and other equipment to transport materials to and from transportation vehicles and loading docks and to store and retrieve materials in warehouses
- Connect hoses or pipes and operate equipment to load and unload liquid petroleum, chemical or other products into or from tank cars, tank trucks or storage tanks
- Operate equipment to dump materials such as coal, ore and grain into or to remove materials from railway cars, trucks or other vehicles
- Operate conveyors and equipment to transfer grain or other materials from transportation vehicles to elevators, bins or other storage areas
- May perform other activities, such as opening containers and crates, filling warehouse orders, assisting in taking inventory and weighing and checking materials.

Employment requirements

- Some secondary school education may be required.
- Physical strength is required for manual material handlers who work with heavy materials.

75 Transport and heavy equipment operation and related maintenance occupations

751 Motor vehicle and transit drivers

7511 Transport truck drivers

Transport truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial and international routes. They are employed by transportation, manufacturing, distribution and moving companies, and trucking employment service agencies, or they may be self-employed. This unit group also includes drivers of special purpose trucks and shunters who move trailers to and from loading docks within trucking yards or lots.

Illustrative example(s)

- bulk goods truck driver
- dump truck driver
- flatbed truck driver
- logging truck driver
- long haul truck driver

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- moving van driver
 - shunt truck driver
 - tow truck driver
 - transport driver
 - truck driver
 - truck driver, heavy truck
 - truck driver, tractor-trailer

Exclusion(s)

- Drivers of light trucks (see 7514 Delivery and courier service drivers)
- Snowplough and garbage truck drivers (see 7522 Public works maintenance equipment operators and related workers)
- Supervisors, motor transport and other ground transit operators (7305)
- Truck dispatchers (see 1525 Dispatchers)
- Truck driver helpers (see 7622 Railway and motor transport labourers)
- Truck driver trainers (see 4021 College and other vocational instructors)

Main duties

Long-haul transport truck drivers perform some or all of the following duties:

- Operate and drive primarily tractor-trailer, long-combination vehicle and straight-body trucks weighing over 4500 kg to transport goods and materials over long distances
- Plan trip logistics and obtain required documentation to transport goods
- Perform pre-trip, en route and post-trip inspection of vehicle systems, equipment and accessories such as tires, lights and turning signals, brakes and cold storage
- Ensure cargo is secured properly in accordance with safety requirements and follow safety procedures for transporting dangerous goods
- Obtain special permits and other documents required to transport cargo on international routes
- Record cargo information, hours of service, distance travelled and fuel consumption
- Administer bills of lading and manually or electronically maintain log books
- Communicate with dispatcher, other drivers and customers using communication devices and on-board computers
- May perform emergency roadside repairs
- May drive as part of a two-person team or convoy
- May transport hazardous products or dangerous goods.

Short-haul and local transport truck drivers perform some or all of the following duties:

- Operate and drive primarily straight trucks to transport goods and materials mainly on local routes and short inter-urban routes
- Perform pre-trip, en route and post-trip inspection and oversee all aspects of vehicle such as condition of equipment, and loading and unloading of cargo
- May drive special purpose trucks such as tow trucks, dump trucks, hydrovac trucks or cement mixing trucks.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job-training is provided.
- Completion of an accredited driver training course of up to three months duration, through a vocational school or community college, may be required.
- A Class 3 or D licence is required to drive straight-body trucks.
- A Class 1 or A licence is required to drive long combination vehicles.
- Air brake endorsement (Z) is required for drivers who operate vehicles equipped with air brakes.
- Transportation of dangerous goods (TDG) certification is required for drivers who transport hazardous products or dangerous goods.
- Additional licensing endorsement or certification may be required to drive articulated trucks.

Additional information

- Progression to supervisory positions or to non-driving occupations, such as driver trainer, safety officer or truck dispatcher is possible with additional training or experience.

7512 Bus drivers, subway operators and other transit operators

This unit group includes workers who drive buses and operate streetcars, subway trains and light rail transit vehicles to transport passengers on established routes. Bus drivers are employed by urban transit systems, school boards or transportation authorities and private transportation companies. Streetcar, subway and light rail transit operators are employed by urban transit systems.

Illustrative example(s)

- bus driver
- bus operator
- light rail transit operator
- motor coach driver
- public passenger transit driver
- school bus driver
- sightseeing tour driver
- streetcar operator
- subway train operator
- transit operator - transportation

Exclusion(s)

- Supervisors and inspectors of bus drivers, subway operators and other transit operators (see 7305 Supervisors, motor transport and other ground transit operators)

Main duties

Bus drivers and streetcar operators perform some or all of the following duties:

- Drive buses or streetcars to transport passengers along established routes to local destinations
- Drive buses to transport passengers and goods to intercity or long distance destinations
- Drive sightseeing tour buses to transport passengers locally or over long distances
- Drive buses equipped for wheelchair accessibility, and aid passengers in boarding
- Provide passengers with information on fares, schedules and stops
- Collect fares, issue and validate transfers, check bus passes and record transactions
- Conduct pre-trip and post-trip inspections of vehicle
- Communicate with passengers, dispatchers or other drivers using two-way radio systems
- Report delays, mechanical problems and accidents
- May provide information on points of interest during sightseeing tours
- May load and unload passengers' luggage and express freight.

School bus drivers perform some or all of the following duties:

- Drive school buses to transport children between school and home or on excursions
- Ensure children's safety when boarding and leaving buses and crossing street while bus is stopped
- Maintain control of student activities during travel to prevent distractions or behaviours that could compromise safety
- May transport adults outside of school hours on chartered trips.

Subway train and light rail transit operators perform some or all of the following duties:

- Operate subway or rail transit vehicles as part of two-person crew
- Observe signals at crossings and arrival and departure points
- Operate controls to open and close transit vehicle doors
- Report delays, malfunctions and accidents to control unit
- Ensure passenger safety and welfare in emergencies, and direct passengers during evacuation procedures.

Employment requirements

- Completion of secondary school is usually required.
- Up to three months of on-the-job training, including classroom instruction, is usually provided for all occupations in this unit group.
- A minimum of one year of safe driving experience is required.
- Bus drivers require a Class B, C, E or F driver's licence in Ontario, and a Class 2 driver's licence is required in all other provinces and the territories.
- An air brakes endorsement and first aid certificate may be required.
- Experience as a public transit bus driver is usually required for subway and light rail transit operators.
- A three-year program leading to the Certified Professional Bus Operator (CPBO) designation is available for bus drivers.

Additional information

- Progression to transit supervisory positions, inspector or training instructor positions is possible with experience.

7513 Taxi and limousine drivers and chauffeurs

Taxi and limousine drivers drive automobiles and limousines to transport passengers. Chauffeurs drive automobiles and limousines to transport personnel and visitors of businesses, government or other organizations or members of private households. Taxi and limousine drivers are employed by taxi and other transportation service companies, or they may be self-employed. Chauffeurs are employed by businesses, government and other organizations, or private individuals or families.

Illustrative example(s)

- airport limousine driver
- company chauffeur
- limousine driver
- private chauffeur
- taxi driver

Exclusion(s)

- Supervisors, motor transport and other ground transit operators (7305)
- Taxi dispatchers (see 1525 Dispatchers)

Main duties

Taxi and limousine drivers perform some or all of the following duties:

- Pick up passengers and drive them to destinations in taxicabs or limousines
- Help passengers with luggage and with boarding and exiting vehicles and assist passengers with special needs
- Collect flat-rate or taximeter fares
- Maintain travel logs and record cash and credit transactions
- Maintain contact with taxi dispatch unit
- Clean and make minor repairs to vehicle or take vehicle for servicing
- May provide pick up and delivery services on request.

Chauffeurs perform some or all of the following duties:

- Pick up or meet employer according to request, appointment or schedule
- Drive employer to destinations in automobile or limousine
- Perform business and personal errands for employer such as delivering and picking up mail, business documents and parcels
- Clean and make minor repairs to vehicle or take vehicle for servicing.

Employment requirements

- Some secondary school education is usually required.
- A minimum of one year of safe driving experience is usually required.

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- A Class G driver's licence is required in Ontario, and a Class 4 driver's licence is required in all other provinces and the territories.
 - Taxi and limousine drivers require good knowledge of the geographical area to be covered and may have to pass written street/building location and safety examinations.
 - Taxi drivers usually require a municipal permit.
 - First aid certification may be required.

Additional information

- Mobility from taxi or limousine driver to chauffeur is possible with experience.

7514 Delivery and courier service drivers

Delivery and courier service drivers drive automobiles, vans and light trucks to pick up and deliver various products. They are employed by dairies, drug stores, newspaper distributors, take-out food establishments, dry cleaners, mobile caterers, courier and messenger service companies and many other establishments, or they may be self-employed.

Illustrative example(s)

- bread deliverer
- canteen driver
- courier service driver
- delivery driver
- driver salesperson
- dry cleaning driver
- mail service courier
- newspaper delivery driver
- pizza delivery driver
- vending machine driver-supplier

Exclusion(s)

- Couriers, messengers and door-to-door distributors (1513)
- Delivery truck helpers (see 7622 Railway and motor transport labourers)
- Dispatchers (1525)
- Drivers of heavy trucks (see 7511 Transport truck drivers)
- Garbage truck drivers (see 7522 Public works maintenance equipment operators and related workers)
- Supervisors of delivery drivers (see 7305 Supervisors, motor transport and other ground transit operators)

Main duties

Delivery and courier service drivers perform some or all of the following duties:

- Operate and drive automobiles, vans and light trucks to pick up and deliver various products, such as fast food, newspapers, magazines, bakery and dairy products, and items such as dry cleaning, envelopes, packages and parcels
- Perform pre-trip and post-trip inspection of vehicle
- Plan delivery travel schedules and service routes
- Load and unload cargo, goods or merchandise
- Provide customer service by selling products, delivering over established routes and accepting or making payments for goods
- Record information on pick-ups and deliveries, vehicle mileage and fuel costs and report any incidents or problems encountered
- May scan and sort freight or cargo for delivery
- May assemble, install or set-up delivered goods or merchandise
- May communicate with central dispatch using mobile communications equipment.

Employment requirements

- Completion of secondary school is usually required.
- A driver's licence appropriate to the class of vehicle being driven is required.

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- One year of safe driving experience is usually required.
 - On-the-job training is provided.
 - Eligibility for bonding and transportation of dangerous goods (TGD) certification may be required for delivery and courier drivers.

Additional information

- Progression to supervisory positions or to non-driving occupations, such as driver trainer or dispatcher is possible with additional training or experience.

752 Heavy equipment operators

7521 Heavy equipment operators (except crane)

Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures; in surface mining and quarrying activities; and in material handling work. They are employed by construction companies, heavy equipment contractors, public works departments and pipeline, logging, cargo-handling and other companies.

Illustrative example(s)

- backhoe operator
- bulldozer operator
- excavator operator
- gradall operator
- grader operator
- heavy equipment operator
- heavy equipment operator apprentice
- loader operator - construction
- side boom tractor operator
- surface mining equipment operator

Exclusion(s)

- Contractors and supervisors, heavy equipment operator crews (7302)
- Crane operators (7371)
- Forklift and industrial truck operators (see 7452 Material handlers)
- Logging machinery operators (8241)
- Underground production and development miners (8231)

Main duties

Heavy equipment operators perform some or all of the following duties:

- Operate heavy equipment such as backhoes, bulldozers, loaders and graders to excavate, move, load and grade earth, rock, gravel or other materials during construction and related activities
- Operate bulldozers or other heavy equipment to clear brush and stumps prior to logging activities and to build roads at logging and surface mining sites
- Operate heavy equipment with pile driver head to drive piling into earth to provide support for buildings, bridges or other structures
- Operate heavy dredging equipment to deepen waterways or reclaim earth fill
- Operate heavy paving and surfacing equipment to lay, spread or compact concrete, asphalt and other surface materials during highway and road construction
- Operate power shovels to excavate rock, ore or other materials from open-pit mines, strip mines, quarries or construction pits
- Operate heavy equipment to move, load and unload cargo
- Conduct pre-operational checks on equipment and clean, lubricate and refill equipment.

Employment requirements

- Some secondary school education is required.
- Completion of a one- to two-year apprenticeship program

or

Some high school, college or industry courses in heavy equipment operating combined with on-the-job training are required.

- Trade certification is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, the Northwest Territories and Nunavut.
- Internal company certification may be required by some employers.

Additional information

- Progression to supervisory positions is possible with experience.

7522 Public works maintenance equipment operators and related workers

This unit group includes workers who operate vehicles and equipment to maintain streets, highways and sewer systems and operate trucks to collect garbage and recyclable materials. This group also includes workers who clear vegetation close to power lines, workers who inspect the condition of utility poles and workers who locate underground utility lines and pipes. They are employed by municipal, provincial and federal public works departments, private contractors under contract with government public works departments and private companies involved in the collection of refuse and recyclable materials.

Illustrative example(s)

- garbage truck driver
- municipal maintenance equipment operator
- power pole inspector
- public works maintenance equipment operator
- salt truck operator
- sand spreader operator
- sewer-flushing truck operator - public works
- snow removal equipment operator - public works
- street flusher operator
- street sweeper operator
- utility arborist
- utility locator

Exclusion(s)

- Heavy equipment operators (except crane) (7521)
- Landscaping and grounds maintenance labourers (8612)
- Public works and maintenance labourers (7621)
- Supervisors of public works maintenance equipment operators (see 7302 Contractors and supervisors, heavy equipment operator crews)
- Transport truck drivers (7511)

Main duties

Public works maintenance equipment operators and related workers perform some or all of the following duties:

- Operate garbage trucks to remove garbage and other refuse and dump loads at designated sites
- Operate street cleaning equipment such as street sweepers or other vehicles equipped with rotating brushes to remove sand, litter and trash
- Operate snowploughs or trucks fitted with plough blades to remove snow from streets, highways, parking lots and similar areas
- Operate sewer maintenance equipment such as rodders and sewer jet cleaners to maintain and repair sewer systems
- Operate trucks equipped with road sanding and other similar apparatus
- Operate chainsaws and other clearing equipment to fell trees and cut back vegetation close to power lines
- Operate equipment and hand tools to inspect and test utility poles for decay and deterioration
- Operate equipment and instruments to locate underground utility lines and pipes
- Check, lubricate, refuel and clean equipment and report any malfunctions to supervisor.

Employment requirements

- Some secondary school may be required.
- Experience as a public works labourer is usually required.
- On-the-job training is provided.
- A driver's licence appropriate to a specific type of equipment may be required.
- Trade certification for utility arborists is available, but voluntary, in Ontario and British Columbia.

Additional information

- Progression to supervisory positions is possible with experience.

753 Other transport equipment operators and related maintenance workers**7531 Railway yard and track maintenance workers**

Railway yard workers regulate yard traffic, couple and uncouple trains and perform related yard activities. Railway track maintenance workers operate machines and equipment to lay, maintain and repair railway tracks. They are employed by railway transport companies.

Illustrative example(s)

- ballast regulator operator - railway
- car controller - railway
- control tower operator - railway
- equipment operator, railway
- machine operator - railway
- rail saw operator
- section worker - railway
- signal tower operator - railway
- spike machine operator - railway
- switch tender - railway yard
- tie tamper operator - railway
- towerman/woman - railway transport
- track patroller, railway
- trackman/woman, railway
- yard coupler - railway
- yard worker - railway

Exclusion(s)

- Contractors and supervisors, heavy equipment operator crews (7302)
- Railway and motor transport labourers (7622)
- Railway conductors and brakemen/women (7362)
- Supervisors of railway yard workers (see 7304 Supervisors, railway transport operations)

Main duties

Railway yard and track maintenance workers perform some or all of the following duties:

- Operate control panel switches from railway yard tower to set traffic signals and to activate train switches that regulate railway traffic in railway yards
- Operate car retarders, turntables and track switches to align locomotives and cars as required for coupling, uncoupling or servicing
- Operate machines and equipment to lay, maintain and repair railway tracks, align tracks, transfer, spread, level and tamp ballast around ties and rails and to clear snow from tracks
- Switch cars according to instructions which indicate the location, disposition and number of cars
- Lubricate moving parts of railway cars and locomotives
- Clean and make minor repairs to machines and equipment
- Patrol assigned track sections to identify and report damaged or broken track
- Perform other track maintenance duties as directed.

Employment requirements

- Some secondary school education is usually required.
- Experience as a railway labourer is required.
- On the job training is provided
- Railway yard workers require a Canadian Rail Operating Rules certificate.

Additional information

- Progression to a position such as brakeman is possible with experience.

7532 Water transport deck and engine room crew

Workers in this unit group stand watch, operate and maintain deck equipment, perform other deck and bridge duties, assist ship engineer officers to operate, maintain and repair engines, machinery and auxiliary equipment aboard ships or self-propelled vessels. They are employed by marine transportation companies and federal government departments.

Illustrative example(s)

- able seaman/woman - except armed forces
- boatswain - water transport
- deckhand
- engine room crew member - ship
- helmsman/woman - water transport
- marine engine oiler
- marine engineering mechanic
- ship stoker
- tunnel operator, ship

Exclusion(s)

- Deck officers, water transport (2273)
- Engineer officers, water transport (2274)
- Fishing vessel deckhands (8441)

Main duties

Workers in this unit group perform some or all of the following duties:

- Stand watch and steer ship or self-propelled vessel under the direction of the officer on watch
- Operate, maintain and repair deck equipment such as winches, cranes, derricks and hawsers
- Assist ship engineer officers in performing routine maintenance work and repair to ship's engine, machinery and auxiliary equipment
- Monitor engine, machinery and equipment indicators, record variables and report abnormalities to ship engineer officer on watch
- Lubricate moving parts of engines, machinery and auxiliary equipment
- Operate and maintain off-loading liquid pumps and valves
- Clean engine parts and keep engine room clean
- Clean, chip and paint deck surfaces
- Handle mooring lines, and splice and repair ropes, wire cables and cordage.

Employment requirements

- Some secondary school education is required.
- On-the-job training is provided.

Additional information

- Training and testing for various endorsements and certification, including the Marine Emergency Duty (MED) certificate, occur following employment as a deck crew member.
- Senior positions in this unit group, such as able seaman/woman, require experience.
- Progression to deck or ship engineer officer positions is possible with experience, additional training and deck officer certification by Transport Canada.

7533 Boat and cable ferry operators and related occupations

This unit group includes workers who operate lock gates, bridges and similar equipment along canal systems and workers who operate cable ferries and ferry terminals. This group also includes boat operators, and owner-operators, who operate small motorboats or watercraft to transport passengers or freight. Workers in this group are employed by the federal government, cable ferry companies, ferry terminals, marine companies and canal, port or harbour authorities. Owner-operators of small boats are self-employed.

Illustrative example(s)

- bridgemaster
- cable ferry operator
- canal lock operator
- charter boat operator
- ferry terminal worker
- launch master
- linesman/woman - canal lock system
- loading bridge operator
- lockmaster
- motorboat operator
- scow captain
- sightseeing boat operator
- small craft operator
- water taxi operator

Exclusion(s)

- Deck officers, water transport (2273)
- Water transport deck and engine room crew (7532)

Main duties

Lock equipment operators perform some or all of the following duties:

- Operate telecommunication equipment or use portable loudspeakers to direct movements of vessels in lock area
- Operate controls to open or close lock gates
- Operate controls to raise, lower or turn bridges
- Observe progress of vessels passing through locks.

Cable ferry operators perform some or all of the following duties:

- Signal passengers and motor vehicles to embark and disembark
- Operate cable ferry across narrow waterway
- Perform routine maintenance and repairs to engine, cables and winches.

Ferry terminal workers perform some or all of the following duties:

- Operate controls to adjust landing bridge, position or remove gangplank, open or close doors and gates, and secure or remove docking devices
- Signal passengers and motor vehicles to embark and disembark
- May collect tickets or fares from passengers.

Boat operators perform some or all of the following duties:

- Operate motorboats, launches, small ferry boats and other similar vessels to transport passengers or freight
- Maintain boats and equipment on board, such as engines, winches, derricks, fire extinguishers and life preservers
- May perform other duties, such as checking for oil spills or other pollutants around ports and harbours, patrolling beaches and measuring depth of water.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.

- Master of a Small Craft or Master of a Small Passenger Craft certificate, issued by Transport Canada, is required for boat operators.

Additional information

- There is little or no mobility among lock equipment operators, cable ferry operators and ferry terminal workers.
- Mobility between boat operators in this unit group is possible.
- Progression from boat operator positions to deck officer positions is possible with additional training, experience and certification.

7534 Air transport ramp attendants

Air transport ramp attendants operate ramp-servicing vehicles and equipment, handle cargo and baggage and perform other ground support duties at airports. They are employed by airline and air services companies and the federal government.

Illustrative example(s)

- aircraft groomer
- airport ramp attendant
- cargo attendant, air transport
- ramp agent, air transport
- ramp attendant, air transport
- station attendant, air transport

Exclusion(s)

- Airline load planners (see 6523 Airline ticket and service agents)
- Material handlers (7452)

Main duties

Air transport ramp attendants perform some or all of the following duties:

- Drive and operate ramp-servicing vehicles and equipment such as towing tractors, food service trucks, de-icer sprayers and lavatory servicing trucks
- Position passenger loading stairs and operate aircraft cargo doors
- Marshal or tow aircrafts to gate positions for passenger boarding and deplaning and for loading and unloading of cargo
- Sort and load cargo and passenger baggage according to instructions forwarded by load planner to achieve proper balance
- Unload, sort and route cargo and baggage
- Transport freight between aircraft and airport warehouse
- Clean and prepare aircraft interior for passengers and wash aircraft exterior.

Employment requirements

- Completion of secondary school is usually required.
- Experience operating baggage transporting equipment or warehouse experience may be required.
- A driver's licence and a good driving record are usually required.

Additional information

- There is mobility among jobs in this unit group.

7535 Other automotive mechanical installers and servicers

Workers in this group install replacement automotive mechanical parts such as mufflers, exhaust pipes, shock absorbers, springs and radiators and perform routine maintenance service such as oil changes, lubrication and tire repairs on automobiles, trucks and heavy equipment. They are employed by automobile and truck service and repair shops, service departments of industrial establishments and construction, mining and logging companies.

Illustrative example(s)

- crane greaser
- heavy equipment servicer
- muffler installer
- radiator installer - auto repair service
- shock absorber installer
- spring installer
- tire repairer

Exclusion(s)

- Automotive service technicians, truck and bus mechanics and mechanical repairers (7321)
- Heavy-duty equipment mechanics (7312)
- Supervisors of workers in this unit group (see 7301 Contractors and supervisors, mechanic trades)

Main duties

Automotive mechanical installers and servicers in this unit group perform some or all of the following duties:

- Change engine oil and lubricate running gears or moving parts of automobiles, trucks and heavy equipment
- Grease booms, pulleys, buckets and other components of heavy equipment
- Replace oil, air and fuel filters on motor vehicles, trucks and heavy equipment
- Install replacement mufflers, exhaust pipes, shock absorbers or radiators on motor vehicles, trucks and heavy equipment
- Repair and balance tires
- Add or replace hydraulic and transmission fluids in motor vehicles, trucks and heavy equipment
- Assist mechanics and perform other duties as directed
- Drive automobile or service truck to location of construction, logging or other industrial sites to provide services.

Employment requirements

- Some secondary school may be required.
- Several months of on-the-job training are usually required.

Additional information

- There is some mobility among installers and servicers in this unit group.
- Progression to supervisory positions is possible with experience.

76 Trades helpers, construction labourers and related occupations

761 Trades helpers and labourers

7611 Construction trades helpers and labourers

Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites, in quarries and in surface mines. They are employed by construction companies, trade and labour contractors, and surface mine and quarry operators.

Illustrative example(s)

- asphalt spreader
- bricklayer helper
- carpenter helper
- concrete mixer helper
- construction helper
- construction labourer
- demolition worker
- driller helper - surface mining
- drywall sander

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- flagman/woman
 - glazier helper
 - labourer, concrete paving
 - labourer, excavation
 - pipeline mandrel operator
 - plumber helper
 - roofer helper
 - stabber - pipeline construction

Exclusion(s)

- Other trades helpers and labourers (7612)
- Public works and maintenance labourers (7621)

Main duties

Construction trades helpers and labourers perform some or all of the following duties:

- Load and unload construction materials, and move materials to work areas
- Erect and dismantle concrete forms, scaffolding, ramps, catwalks, shoring and barricades required at construction sites
- Mix, pour and spread materials such as concrete and asphalt
- Assist tradespersons such as carpenters, bricklayers, cement finishers, roofers and glaziers in construction activities
- Assist heavy equipment operators to secure special attachments to equipment, signal operators to guide them in moving equipment and provide assistance in other activities
- Assist in aligning pipes and perform related activities during oil and gas pipeline construction
- Assist in drilling and blasting rock at construction sites
- Assist miners in excavating and in setting up and operating various drills and other surface mining machinery
- Level earth to fine grade specifications using rake and shovel
- Assist in demolishing buildings using prying bars and other tools, and sort, clean and pile salvaged materials
- Remove rubble and other debris at construction sites using rakes, shovels, wheelbarrows and other equipment
- Operate pneumatic hammers, vibrators and tampers as directed
- Tend or feed machines or equipment used in construction such as mixers, compressors and pumps
- Clean up chemical spills and other contaminants, and remove asbestos and other hazardous materials
- Oil and grease hoists and similar equipment
- Direct traffic at or near construction sites
- Perform other activities at construction sites, as directed.

Employment requirements

- Some experience as a general construction labourer may be required for construction trade helpers.
- Some pipeline workers, such as stabbers, mandrel operators and pre-heater tenders, usually require one season of experience in oil and gas pipeline construction.
- Flagmen/women may require a traffic control certificate.

Additional information

- Mobility is possible among workers in this unit group.

7612 Other trades helpers and labourers

This unit group includes trade helpers and labourers, not elsewhere classified, who assist skilled tradespersons and perform labouring activities in the installation, maintenance and repair of industrial machinery, refrigeration, heating and air conditioning equipment, in the maintenance and repair of transportation and heavy equipment, in the installation and repair of telecommunication and power cables and in other repair and service work settings. They are employed by a wide variety of manufacturing, utility and service companies.

Illustrative example(s)

- aerial spraying assistant
- aircraft mechanic helper
- cable installer helper
- diesel mechanic helper
- ground worker - telecommunications
- mechanic's helper - automotive
- millwright helper
- refrigeration mechanic helper
- splicer helper - telecommunications
- surveyor helper

Exclusion(s)

- Construction trades helpers and labourers (7611)

Main duties

Trade helpers and labourers in this unit group perform some or all of the following duties:

- Move tools, equipment and other materials to and from work areas
- Assist in splicing overhead and underground communications and electric power transmission cables
- Assist in repairing, maintaining and installing industrial machinery and equipment
- Assist in repairing, maintaining and installing refrigeration, heating and air conditioning equipment
- Assist in repairing, maintaining and installing elevators
- Assist in repairing and maintaining stationary electric power generating and distribution equipment
- Assist in mechanical, electrical and body repairs of aircraft, railway cars, automobiles, trucks, buses, heavy equipment and motorcycles
- Assist in repairing electrical appliances, small engines or other similar equipment
- Mix fertilizers, herbicides and pesticides and load mixture into airplane for aerial spraying
- Assist in land surveying activities, such as holding or moving stakes and rods, clearing brush and debris from line of survey and transporting surveying tools to work area
- Perform other labouring and elemental tasks as required.

Employment requirements

- Some secondary school education may be required.
- On-the-job training is provided.

Additional information

- There is little or no mobility between occupations in this unit group.

762 Public works and other labourers, n.e.c.**7621 Public works and maintenance labourers**

Public works and maintenance labourers perform a variety of labouring activities to maintain sidewalks, streets, roads and similar areas. They are employed by public works departments in all levels of government or by private contractors under contract to governments.

Illustrative example(s)

- helper - garbage collection
- municipal labourer
- parking meter collector
- public works labourer
- road maintenance worker
- sewer maintenance worker
- sidewalk cleaner

Exclusion(s)

- Construction labourers (see 7611 Construction trades helpers and labourers)
- Landscaping and grounds maintenance labourers (8612)
- Park maintenance labourers (see 8612 Landscaping and grounds maintenance labourers)
- Public works maintenance equipment operators and related workers (7522)
- Railway and motor transport labourers (7622)
- Supervisors of public works maintenance labourers and workers (see 7302 Contractors and supervisors, heavy equipment operator crews)

Main duties

Public works and maintenance labourers perform some or all of the following duties:

- Clean and maintain sidewalks, streets, roads and public grounds of municipality and other areas, working as member of crew
- Sweep debris and remove snow from streets, sidewalks, building grounds and other areas, and load snow and debris into carts or trucks
- Shovel cement and other materials into cement mixers, spread concrete and asphalt on road surfaces using shovels, rakes and hand tampers, and perform other activities to assist in maintenance and repair of roads
- Spread sand or salt on sidewalks for snow and ice control
- Dig ditches and trenches using shovels and other hand tools
- Operate jackhammers and drills to break up pavement
- Load and unload trucks with supplies and equipment
- Collect money from coin boxes of parking meters along established route
- Collect and load refuse on garbage trucks
- Assist equipment operators to secure attachments to equipment or trucks
- Assist in routine maintenance and repair of equipment
- Assist skilled tradespersons such as carpenters, plumbers and mechanics
- May operate mobile sidewalk-cleaning equipment.

Employment requirements

- Several weeks of on-the-job training are provided.

Additional information

- Progression to supervisory positions or to public works maintenance equipment operator positions is possible with experience.

7622 Railway and motor transport labourers

Railway and motor transport labourers perform a variety of tasks to assist track maintenance workers and railway yard workers, or motor transport operators. They are employed by railway transport companies and motor transport companies.

Illustrative example(s)

- car checker, railway
- delivery truck helper
- furniture mover helper
- mover helper
- railway labourer
- signal gang helper
- swamper - truck transport
- truck driver helper

Exclusion(s)

- Material handlers (7452)
- Rail car oilers and greasers (see 7531 Railway yard and track maintenance workers)

Main duties

Railway labourers perform some or all of the following duties:

- Transport tools and equipment on push or hand car and perform other duties to assist railway track maintenance workers to lay, maintain and repair railway tracks
- Cut vegetation growth from railway tracks using scythes and mowers
- Check freight cars for physical damage and cleanliness.

Motor transport labourers perform some or all of the following duties:

- Assist truck and delivery drivers to load and unload vehicles
- Perform labouring duties in warehouses.

Employment requirements

- Some secondary school education is usually required.

Additional information

- With experience, railway labourers may progress to railway track maintenance workers or railway yard workers.

8 Natural resources, agriculture and related production occupations

82 Supervisors and technical occupations in natural resources, agriculture and related production

821 Supervisors, logging and forestry

8211 Supervisors, logging and forestry

Supervisors in this unit group supervise and co-ordinate the activities of workers engaged in logging operations and silvicultural operations. They are employed by logging companies, contractors and government agencies.

Illustrative example(s)

- forest operations supervisor
- forestry crew supervisor
- hook tender - logging
- logging contractor
- logging foreman/woman
- production supervisor - logging
- silviculture supervisor
- woods foreman/woman

Exclusion(s)

- Chain saw and skidder operators (8421)
- Forestry technologists and technicians (2223)
- Logging and forestry managers (see 0811 Managers in natural resources production and fishing)
- Logging machinery operators (8241)
- Silviculture and forestry workers (8422)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise and co-ordinate the activities of logging and forestry workers in woodland operations, often in several work locations over several square kilometres
- Oversee silvicultural activities such as scarification, planting and vegetation control
- Schedule work crews, equipment and transportation for several work locations
- Resolve work problems and recommend measures to improve work methods
- Instruct workers in safety, recognize unsafe work conditions and modify work procedures
- Ensure that government regulations are met

- Communicate with forestry technical, professional and management personnel regarding forest harvesting and forest management plans, procedures and schedules
- Prepare production and other reports
- Hire and train new workers.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a one- to three-year college program for forestry technologists or technicians may be required.
- Formal company training and several months of on-the-job training are provided.
- Several years of experience as a logger, silvicultural worker, or logging machinery operator are usually required.
- A chemical application licence may be required.
- An industrial first aid certificate may be required.

822 Contractors and supervisors, mining, oil and gas

8221 Supervisors, mining and quarrying

Supervisors in this unit group supervise and co-ordinate activities of workers engaged in underground and surface mining operations and quarries. They are employed by coal, metal and non-metallic mineral mines and quarries.

Illustrative example(s)

- fill foreman/woman - underground mining
- foreman/woman, underground mine
- mine captain
- mine foreman/woman
- supervisor, mine
- supervisor, quarry
- supervisor, surface mine
- track boss - underground mining

Exclusion(s)

- Drillers and blasters - surface mining, quarrying and construction (7372)
- Heavy equipment operators (except crane) (7521)
- Mine labourers (8614)
- Mine managers (see 0811 Managers in natural resources production and fishing)
- Underground mine service and support workers (8411)
- Underground production and development miners (8231)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who extract coal, minerals and ore; operate underground conveyances; and perform other services in support of underground mining, or of heavy equipment operators, drillers, blasters and other workers in surface mining and quarrying
- Establish methods to meet work schedules and confer with managerial and technical personnel, other departments and contractors to resolve problems and co-ordinate activities
- Oversee the safety of the mining or quarrying operations
- Resolve work problems and recommend measures to improve productivity
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

Employment requirements

- Completion of secondary school is required.

- Completion of a college or university program in mining technology or engineering may be required for some positions in this group.
- Several years of experience in the occupations supervised are usually required.
- Provincial certification as an underground mine supervisor, shift boss, or coal mining supervisor may be required.

Additional information

- There is mobility between employers, especially for supervisors with post-secondary diplomas or degrees.
- Mobility between surface mining, underground mining, coal or metal mining sectors may be limited by differences in production technologies and licensing requirements.

8222 Contractors and supervisors, oil and gas drilling and services

Supervisors in this unit group supervise and co-ordinate the activities of workers engaged in drilling for oil or gas, operating service rigs, or providing oil and gas well services. They are employed by drilling and well service contracting companies and by petroleum producing companies. This unit group includes oilfield consultants who may be self-employed.

Illustrative example(s)

- fracturing supervisor
- multi-service operator - oil field services
- oilfield consultant
- rig manager
- toolpusher
- well services crew supervisor

Exclusion(s)

- Geological and mineral technologists and technicians (2212)
- Managers in natural resources production and fishing (0811)
- Oil and gas well drillers, servicers, testers and related workers (8232)
- Oil and gas well drilling and related workers and services operators (8412)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who drill for oil and gas, operate service rigs or provide oil and gas well services
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition and procure materials and supplies
- Resolve work problems and recommend measures to improve productivity and safety
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is required.
- Completion of college or petroleum industry approved training courses is required.
- Extensive experience in the occupations supervised is required.
- A two-year college diploma in petroleum engineering technology may be required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) or other safety and technical subjects are required and are obtained by completing short courses.

Additional information

- There is little mobility for supervisors from well services to well drilling.

823 Underground miners, oil and gas drillers and related occupations

8231 Underground production and development miners

Underground production and development miners drill, blast, operate mining machinery, and perform related duties to extract coal and ore in underground mines and to construct tunnels, passageways and shafts to facilitate mining operations. They are employed by coal, metal and non-metallic mineral underground mines and by specialized contractors in mine construction, shaft sinking and tunnelling.

Illustrative example(s)

- blaster - underground mining
- chute blaster - underground mining
- diamond driller - underground mining
- drift miner
- driller - underground mining
- hardrock miner apprentice
- hoist operator - underground mining
- miner
- mining machine operator
- powderman/woman - underground mining
- raise miner
- roadheader operator
- scooptram operator
- shaft inspector

Exclusion(s)

- Drillers and blasters - surface mining, quarrying and construction (7372)
- Mine labourers (8614)
- Supervisors, mining and quarrying (8221)
- Underground mine service and support workers (8411)

Main duties

Underground production and development miners perform some or all of the following duties:

- Set up and operate drills and drilling machines to produce a designated pattern of blasting holes
- Operate diamond drills or other specialized drills such as raise boring machinery to test geological formations or to produce underground passageways
- Set up and operate mining machinery to shear coal, rock or ore from the working face
- Load explosives, set fuses, and detonate explosives to produce desired blasting patterns and rock fragmentation in underground mines
- Operate scooptram, load-haul-dump (LHD) machine or mucking machine to load and haul ore from stopes, drifts and drawpoints to ore passes
- Perform duties required to ensure safety and to support the mining advance, such as scaling loose rock from walls and roof, drilling and installing rock bolts, extending and installing air and water pipes, operating ore loading machinery, inspecting mine shafts, operating hoists that transport people, equipment and materials through mine shafts, and constructing timber supports and cribbing if required
- Perform routine maintenance of mining machinery.

Employment requirements

- Completion of secondary school is usually required.
- Formal training of up to six weeks followed by extended periods of specialized training as a helper or in support occupations is usually provided.
- Previous experience as a mine labourer or in other mine occupations is usually required.
- Provincial blasting licence may be required.
- May be certified in the basic common core program or as an underground hard rock miner in Ontario.
- Trade certification for miners is available, but voluntary, in Quebec and Manitoba.
- Company licensing or certification is often required for occupations in this unit group.

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- Certificate in first aid may be required.

Additional information

- Mobility is possible to other occupational groups in underground mining such as underground service and support occupations.
- There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.
- Mobility between these sectors is somewhat limited by differences in production technologies.
- Progression to mining supervisor is possible with experience.

8232 Oil and gas well drillers, servicers, testers and related workers

Oil and gas well drillers and well servicers control the operation of drilling and hoisting equipment on drilling and service rigs, and direct the activities of the rig crew under supervision of the rig manager. Oil and gas well loggers, testers and related workers operate specialized mechanical or electronic equipment, tools or instruments to provide services in conjunction with well drilling, completion or servicing. Workers in this unit group are employed by drilling and well service contractors, petroleum producing companies and well logging or testing companies.

Illustrative example(s)

- assistant driller - oil and gas well drilling
- directional drilling operator
- downhole tool operator
- drill stem tester
- driller - oil and gas drilling
- electric line operator
- logging and perforating operator
- service rig operator
- slickline operator
- well testing operator
- wireline operator

Exclusion(s)

- Oil and gas well drilling and related workers and services operators (8412)
- Rig managers (see 8222 Contractors and supervisors, oil and gas drilling and services)
- Water well drillers (7373)

Main duties

Oil and gas well drillers and well servicers perform some or all of the following duties:

- Direct rig crew in setting up rigs and drilling, completing or servicing oil and gas exploration and producing wells
- Operate controls of drill or service rig drilling and hoisting machinery
- Train or arrange for training of crew
- Maintain records of drilling and servicing operations
- Ensure safety procedures are followed.

Oil and gas well loggers, testers and related workers perform some or all of the following duties:

- Drive well service or wireline truck to well site
- Assemble and attach equipment, tools or recorders to drill stem or wireline to conduct required procedures and tests
- Operate or direct the operation of wireline or unit controls to lower, position and retrieve equipment and instruments
- Operate recorders and computers in mobile testing or logging unit to collect data
- May perform limited data interpretation.

Employment requirements

- Completion of secondary school is usually required.

- Oil and gas well drillers and well servicers require three to six months of formal on-the-job training, college or petroleum industry-approved training courses and four or more years of work experience in subordinate rig crew positions.
- A college diploma in drilling may be required.
- Offshore work requires several years of experience in an equivalent position on land.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, well control, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG) and a special oil well operator (boiler) certificate are required.
- Oil and gas well loggers, testers and related workers require three to six months of formal on-the-job training and several years of experience in subordinate logging and testing positions or on drilling and servicing rigs.
- Completion of a college program in electronics or engineering technology may be required for open hole well logging.
- A provincial blaster's licence, and seismic blaster and oil well blaster certification are required for well perforation services.

Additional information

- Mobility between jobs on drilling and service rigs is limited by the differences in the machinery, tools and operations performed, but mobility is possible especially from drilling to service rigs.
- Progression to crew supervisor or manager is possible with experience and additional education and training.

824 Logging machinery operators

8241 Logging machinery operators

Logging machinery operators operate cable yarding systems, mechanical harvesters and forwarders and mechanical tree processors and loaders to fell, yard and process trees at logging sites. They are employed by logging companies and contractors.

Illustrative example(s)

Cable yarding system operators

- grapple operator - logging
- linehorse operator
- rigging slinger - logging
- steel spar operator - logging
- yarder operator - logging

Mechanical harvester and forwarder operators

- feller buncher operator
- feller forwarder operator
- shortwood harvester operator
- treelength forwarder operator

Mechanical tree processor and loader operators

- chipping machine operator
- delimber operator
- loader operator - logging
- log processor operator
- slasher operator - logging

Exclusion(s)

- Chain saw and skidder operators (8421)
- Heavy equipment operators (except crane) (7521)
- Silviculture and forestry workers (8422)
- Supervisors, logging and forestry (8211)
- Transport truck drivers (7511)

Main duties

Logging machinery operators perform some or all of the following duties:

- Cable yarding system operators operate machines to transport trees from logging areas to landing or log loading sites in mountainous terrain in western Canada.
- Mechanical harvester and forwarder operators assess site and terrain and drive heavy equipment to perform a combination of felling, slashing, bucking, bunching and forwarding operations at logging areas.
- Mechanical tree processor and loader operators operate a variety of machines which perform a combination of slashing, bucking, chipping, sorting and loading logs or trees at landing sites.

Employment requirements

- Completion of secondary school may be required.
- On-the-job training from three to 16 months is provided, depending on the complexity of machinery operated and the type of woodlands operation.
- Experience requirements vary depending on the complexity of machinery operated.
- Mechanical harvester and forwarder operators may require logging experience as a chain saw and skidder operator.
- Feller buncher operators and cable yarder operators usually require three to five years of logging experience.
- Mechanical tree processor and loader operators usually require one to three years of logging experience.
- Certification as a heavy equipment operator may be required.
- Company certification for mobile logging machinery operation may be required.
- Provincial air brake certification may be required in British Columbia, depending on the type of equipment operated.
- Workplace hazardous materials information system (WHMIS) and first aid certificates may be required.
- Knowledge of tree harvesting regulations is required.

Additional information

- There is some mobility among jobs in this group from the less complex to more complex machinery operation.
- There is some mobility between employers, particularly in similar types of woodland operations.
- Self-employment as a logging contractor is possible with investment in equipment.
- Logging machinery operators may perform minor repairs and maintenance on their equipment.
- Progression to logging and forestry supervisory positions is possible with experience.

825 Contractors and supervisors, agriculture, horticulture and related operations and services

8252 Agricultural service contractors, farm supervisors and specialized livestock workers

Agricultural service contractors, who own and operate their own businesses, provide agricultural services such as livestock and poultry breeding, soil preparation, crop planting, crop spraying, cultivating or harvesting. Farm supervisors supervise the work of general farm workers and harvesting labourers. Specialized livestock workers carry out feeding, health and breeding programs on dairy, beef, sheep, poultry, hog and other livestock farms.

Illustrative example(s)

- artificial inseminator
- cattle herdsman
- contractor, artificial insemination service
- contractor, crop harvesting service
- crop dusting contractor
- dairy herdsman
- farm foreman/woman
- farm supervisor
- feedlot foreman/woman
- hog operation supervisor
- horse trainer
- livestock breeding service contractor

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- pork production technician
 - poultry farm foreman/woman
 - ranch foreman/woman
 - swine herdsperson
 - vegetable farm foreman/woman

Exclusion(s)

- General farm workers (8431)
- Harvesting labourers (8611)
- Managers in agriculture (0821)
- Managers in horticulture (0822)
- Pest controllers and fumigators (7444)
- Pet groomers and animal care workers (6563)

Main duties

Agricultural service contractors perform some or all the following duties:

- Provide agricultural livestock services such as artificial insemination, spraying or shearing of livestock or disinfecting pens, barns or poultry houses
- Provide agricultural crop services such as plowing, irrigating, cultivating, spraying or harvesting
- Assist in the development and implementation of farm safety and bio-security procedures
- Hire and train workers
- Negotiate the terms of services to be provided
- Maintain financial and operational records
- May participate in the provision of services or in the operation of machinery and equipment.

Farm supervisors perform some or all of the following duties:

- Co-ordinate and supervise the work of general farm workers and harvesting labourers
- Supervise and oversee breeding and other livestock-related programs
- Supervise and oversee growing and other crop-related operations
- Develop work schedules and establish procedures
- Ensure farm safety and bio-security procedures are followed
- Maintain quality control and production records
- May perform general farm duties.

Farm supervisors may specialize in areas such as dairy, poultry, swine, beef, sheep, equine, fruit, vegetable, mixed or other specialty farming.

Specialized livestock workers perform some or all of the following duties:

- Formulate feeding programs
- Implement pasture or pen breeding programs
- Follow safety and bio-security procedures
- Recognize and treat certain livestock health problems
- Maintain livestock performance records
- Select livestock for sale
- Train horses
- Perform general farm duties
- May supervise general farm workers.

Specialized livestock workers usually specialize in one type of farm animal such as beef cattle, dairy cattle, poultry or swine.

Employment requirements

- Agricultural service contractors usually require a university degree, college diploma or industry courses in agricultural studies and several years of experience related to the service offered.
- Contractors providing certain services, such as artificial insemination and pesticide application, may require training certificates and provincial licensing.
- Farm supervisors and specialized livestock workers may require a college certificate or other specialized training in agriculture or livestock husbandry.
- A course or certificate in first aid may be required.

8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services

This unit group includes landscaping and grounds maintenance contractors, who own and operate their own businesses. This group also includes supervisors who supervise and co-ordinate the activities of workers in the following unit groups: *Nursery and Greenhouse Workers (8432)* and *Landscaping and Grounds Maintenance Labourers (8612)*. They are employed by landscaping companies, cemeteries, lawn care and tree service companies, nurseries and greenhouses and by landscaping operations of public works departments and private establishments.

Illustrative example(s)

- greenhouse supervisor
- grounds maintenance contractor
- groundskeeping supervisor
- horticulture workers supervisor
- interior plantscaping contractor
- landscaping contractor
- landscaping foreman/woman
- landscaping supervisor
- lawn care contractor
- nursery foreman/woman
- park maintenance supervisor
- tree service contractor

Exclusion(s)

- Contractors and supervisors, heavy equipment operator crews (7302)
- Contractors and supervisors, other construction trades, installers, repairers and servicers (7205)
- Landscape and horticulture technicians and specialists (2225)
- Landscape architects (2152)
- Managers in agriculture (0821)
- Managers in horticulture (0822)

Main duties

Contractors and supervisors in this unit group perform some or all of the following duties:

- Supervise and co-ordinate the activities of workers who maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, interior plantscapes and other landscaped areas
- Tender bids on contracts for landscaping and grounds maintenance work
- Plan and estimate the materials and labour requirements for individual contracts
- Organize the planting and maintenance of trees, gardens, lawns, shrubs and hedges and the construction and installation of fences, decks, patios, walkways and retaining walls
- Establish work schedules and procedures and co-ordinate activities with other work units
- Resolve work-related problems and prepare and submit progress and other reports
- Requisition supplies and materials
- Maintain financial and personnel records
- Hire staff and train workers in job duties and company policies
- May manage operations of own company
- May provide snow removal services during winter months
- May perform the same duties as workers supervised.

Employment requirements

- Completion of secondary school is usually required.
- A college diploma, specialized courses or industry-related training and certification in landscaping and horticulture are usually required.
- Experience as a landscape or horticulture supervisor or as a landscape or horticulture technician is required.
- Experience in the type of work supervised is required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

826 Fishing vessel masters and fishermen/women

8261 Fishing masters and officers

Fishing masters and officers manage and operate saltwater and freshwater fishing vessels greater than 100 gross tonnes to pursue and land fish and other marine life. They are employed by establishments engaged in operating commercial fishing vessels.

Illustrative example(s)

- captain, offshore fishing vessel
- deck officer, fishing vessel
- first mate, fishing vessel
- fishing vessel boatswain
- fishing vessel master
- trawler captain

Exclusion(s)

- Deck officers, water transport (2273)
- Fishermen/women (8262)
- Fishing vessel engineers requiring a Transport Canada licence (see 2274 Engineer officers, water transport)

Main duties

Fishing masters and officers perform some or all of the following duties:

- Command fishing vessels to catch fish and other marine life
- Determine areas for fishing, plot courses and compute navigational positions using compasses, charts, tables and other aids
- Steer vessels and operate navigational instruments and electronic fishing aids such as echo sounders and chart plotters
- Direct fishing operations and supervise crew activities
- Record fishing progress, crew activities, weather and sea conditions on ship's log
- Select and train vessel crews.

Employment requirements

- Some secondary school education is usually required.
- One to two years of experience as a fishing vessel deckhand is required.
- Captains require one year of service as officer in charge of the watch.
- A Fishing Master's Certificate is required for all occupations in this unit group.
- A commercial fishing licence is required.

Additional information

- Completion of Transport Canada examinations is required to advance from Fishing Master Class IV through Class I. Training programs are provided in provincial training centres.
- Progression to merchant or government vessel officer positions (which require a Marine Officer Certificate) is possible with additional training and experience.

8262 Fishermen/women

Fishermen/women operate fishing vessels to pursue and land fish and other marine life. They are usually self-employed owner-operators of fishing vessels.

Illustrative example(s)

- fisherman/woman
- fishing vessel skipper
- inshore fisherman/woman
- lobster fisherman/woman

- longliner fisherman/woman
- seiner fisherman/woman

Exclusion(s)

- Fishing masters and officers (8261)
- Fishing vessel deckhands (8441)

Main duties

Fishermen/women perform some or all of the following duties:

- Operate fishing vessel to pursue and catch fish and other marine life
- Select area for fishing, plot courses and compute navigational positions using compasses and charts or electronic fishing aids
- Steer vessel and operate navigational instruments
- Operate fishing gear, direct fishing operation and supervise fishing crew members
- Maintain engine, fishing gear and other on-board equipment
- Record fishing activities, weather and sea conditions
- Estimate costs of operations and plan budget for each fishing season
- Establish fish marketing plan and keep records of all financial transactions
- May transport fish to processing plants or fish buyers.

Employment requirements

- Several years of experience as fishing vessel crew member or helper are usually required.
- A commercial fishing licence is required.
- Licences are required for each species of fish pursued.
- Trade certification for fish harvesters is available, but voluntary, in Newfoundland and Labrador.

Additional information

- Progression to master or mate on fishing vessels over 100 gross tonnes is possible with additional training, licensing and experience.

84 Workers in natural resources, agriculture and related production

841 Mine service workers and operators in oil and gas drilling

8411 Underground mine service and support workers

Underground mine service and support workers perform a range of duties related to the operation of orepasses, chutes and conveyor systems, the construction and support of underground structures, passages and roadways, and the supply of materials and supplies to support underground mining. They are employed by coal, metal and non-metallic mineral mines.

Illustrative example(s)

- backfiller - underground mining
- blaster helper - underground mining
- cage tender
- conveyor operator - underground mining
- crusher operator - underground mining
- driller helper - underground mining
- haulageman/woman - underground mining
- lamp keeper - underground mining
- materialman/woman - underground mining
- mine construction worker
- orepass tender - underground mining
- pipeworker - underground mining
- raise miner helper
- skip tender

- timberman/woman - underground mining
- trainman/woman - underground mining

Exclusion(s)

- Drillers and blasters - surface mining, quarrying and construction (7372)
- Mine labourers (8614)
- Underground production and development miners (8231)

Main duties

Underground mine service and support workers perform some or all of the following duties:

- Operate and maintain ore chutes or conveyor systems to control flow of ore or coal in underground mine
- Operate construction equipment such as bulldozer, grader or backhoe to build and maintain underground passages and haulageways
- Construct and repair wood or metal supports and structures such as bulkheads, platforms, drift doors and chutes using construction and mining tools
- Attach and extend ventilation and water pipes and related mine services
- Assist miners in setting up and operating various drills and other mining machinery
- Supply and maintain backfill distribution of sand, rock or other materials
- Operate diesel or electric track haulage equipment such as ore trains to distribute personnel and supplies and to convey ore from orepass to primary crusher or skip
- Maintain supply storage areas and maintain equipment and supplies such as explosives, drill bits, fire extinguishers, lamps and batteries
- Perform routine maintenance of machinery.

Employment requirements

- Completion of secondary school is usually required.
- Previous formal training of up to six weeks followed by periods of on-the-job training as a helper or in support occupations is usually required.
- Previous experience as a mine labourer is usually required.
- May be certified in the basic common core program in Ontario.
- Company licensing or certification is often required for occupations in this unit group.

Additional information

- Mobility is possible to other occupational groups in underground mining.
- There is mobility between employers within each of the three following sectors: underground coal mining, underground hard rock mining and underground potash, salt or soft rock mining.
- Mobility between these sectors is somewhat limited by differences in production technologies.

8412 Oil and gas well drilling and related workers and services operators

Oil and gas well drilling workers operate drilling and service rig machinery as intermediate members of the rig crew. Oil and gas well services operators drive trucks and operate specialized hydraulic pumping systems to place cement in wells or to treat wells with chemicals, sand mixtures or gases to stimulate production. Workers in this unit group are employed by drilling and well service contractors and by petroleum producing companies.

Illustrative example(s)

- acidizer, oil field services
- blender operator - oil field services
- control room operator - offshore drilling
- derrickman/woman
- motorhand - oil and gas drilling
- oil well cementer, oil field services
- pumper operator - oil field services
- pumpman/woman - oil field services
- rig technician - derrickhand
- seismic buried facilities locator

Exclusion(s)

- Contractors and supervisors, oil and gas drilling and services (8222)
- Oil and gas drilling, servicing and related labourers (8615)
- Oil and gas well drillers, servicers, testers and related workers (8232)

Main duties

Oil and gas well drilling workers perform some or all of the following duties:

- Use specialized equipment, information and maps to determine and document the location of buried pipelines and other utilities in preparation for seismic exploration and drilling activities
- Align and manipulate sections of pipe or drill stem from platform on rig derrick during removal and replacement of strings of pipe, or drill stem and drill bit
- Operate and maintain drilling mud systems and pumps during drilling, and mix mud, chemicals and additives
- Record mud flows and volumes and take samples
- Operate and maintain drilling rig diesel motors, transmissions and other mechanical equipment
- Assist in setting up, taking down and transporting drilling and service rigs
- Supervise floorhands and labourers.

Oil and gas well services operators perform some or all of the following duties:

- Drive well services truck to well site
- Assemble pumping equipment and attach pumps and hoses to wellhead
- Operate hydraulic pumping systems to pump chemicals, gases, sand, cement or other material into well
- Read gauges to monitor pressure, density, rate and concentration and adjust pumping procedure as required
- May mix chemicals and cements.

Employment requirements

- Completion of secondary school is required.
- Training of up to three months with an experienced operator is required for oil and gas well services operators.
- Completion of petroleum industry-approved training courses may be required.
- One year of experience as a floorhand, assistant or labourer is usually required.
- Certificates in first aid, hydrogen sulphide awareness, blowout prevention, workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), cryogenic safety or in other safety concerns may be required.
- Rig technician certification for motorhands and derrickhands may be required by some employers.

Additional information

- Progression to oil and gas well driller or service rig operator is possible with experience.
- Progression to supervisor of well services is possible for gas and oil well services operators.

842 Logging and forestry workers**8421 Chain saw and skidder operators**

Chain saw and skidder operators operate chain saws to fell, delimb and buck trees, and operate skidders to move or yard the felled trees from the logging site to the landing area for processing and transportation. They are employed by logging companies and contractors.

Illustrative example(s)

- buckler
- chain saw operator - logging
- faller
- feller
- forest worker - logging
- grapple skidder operator
- landingman/woman

- pieceworker - logging
- skidder operator

Exclusion(s)

- Logging and forestry labourers (8616)
- Logging contractors and supervisors (see 8211 Supervisors, logging and forestry)
- Logging machinery operators (8241)
- Silviculture and forestry workers (8422)

Main duties

Chain saw and skidder operators perform some or all of the following duties:

- Operate chain saw to fell, delimb and buck trees at the logging site and loading area
- Operate cable, or grapple skidder to move or yard the felled trees from the logging site to the landing area for processing and transportation
- Assess site, terrain and weather conditions before felling and yarding trees
- May work as member of a team rotating between chain saw operation and skidder operation
- May maintain and perform minor repairs on skidders, chain saws and other equipment.

Employment requirements

- Completion of secondary school may be required.
- Completion of a college program for forest workers may be required.
- Formal training in chain saw operation and maintenance and several months of on-the-job training are usually provided.
- Previous experience as a logging and forestry labourer or logging machine operator may be required. Experience requirements vary depending on the type and location of woodlands operations.
- Provincial certification or a forest worker program certificate is required in some provinces.
- Trade certification for fallers is available, but voluntary in Quebec.
- Workplace hazardous materials information system (WHMIS) and first aid certificates may be required.

Additional information

- There is a trend toward company certification of chain saw operators in larger companies.
- Chain saw operators often must own and maintain their own chain saw.
- There is some mobility among jobs within this unit group as chain saw and skidder operators often work in teams and rotate jobs.
- Mobility may be limited from eastern and central forest zones to western forest zones where tree size or steep terrain may require different cutting and yarding methods.
- Mobility is possible to logging machinery operators.
- Progression to supervisory positions or self-employment as a logging contractor is possible with experience.

8422 Silviculture and forestry workers

Silviculture and forestry workers perform a variety of duties related to reforestation and to the management, improvement and conservation of forest lands. They are employed by logging companies, contractors and government services.

Illustrative example(s)

- clearing saw operator - forestry
- forest firefighter
- forestry crew worker
- pieceworker - silviculture
- scarification equipment operator - forestry
- silviculture worker
- thinning saw operator

Exclusion(s)

- Arborists (see 2225 Landscape and horticulture technicians and specialists)
- Chain saw and skidder operators (8421)
- Forest nursery workers (see 8432 Nursery and greenhouse workers)
- Forestry professionals (2122)
- Forestry technologists and technicians (2223)
- Logging and forestry labourers (8616)
- Supervisors, logging and forestry (8211)

Main duties

Silviculture and forestry workers perform some or all of the following duties:

- Assess site, select seedlings and plant trees using manual planting tools in reforestation areas
- Operate power thinning saw to thin and space trees in reforestation areas
- Operate chain saw to thin young forest stands
- Control weeds and undergrowth in regenerating forest stands using manual tools and chemicals
- Complete firefighting reports and maintain firefighting equipment
- Dig trenches, cut trees, pump water on burning areas to fight forest fires under direction of fire suppression officer or forestry technician
- Operate and maintain a skidder, bulldozer or other prime mover to pull a variety of scarification or site preparation equipment over areas to be regenerated
- Perform other silviculture duties such as collecting seed cones, pruning trees, assisting in planting surveys and marking trees for subsequent operations.

Employment requirements

- Completion of secondary school may be required.
- Completion of a college or other specialized program for silviculture workers or forestry crew workers may be required.
- Formal training in power saw operation and maintenance and several months of on-the-job training are usually provided.
- Experience as a logging and forestry labourer may be required.
- A chemicals application licence is required.
- Workplace hazardous materials information system (WHMIS) and transportation of dangerous goods (TDG) certificates may be required.
- A silvicultural worker's licence may be required.

Additional information

- There is some mobility among jobs in this unit group.
- Progression to supervisory positions is possible with experience.
- Progression to forestry technician or technologist is possible with additional education and training.

843 Agriculture and horticulture workers**8431 General farm workers**

General farm workers plant, cultivate and harvest crops, raise livestock and poultry and maintain and repair farm equipment and buildings. This group includes operators of farm machinery. General farm workers are employed on crop, livestock, fruit, vegetable and specialty farms.

Illustrative example(s)

- beef cattle farm worker
- cattle ranch labourer
- dairy farm worker
- farm machinery operator
- general farm worker
- grain farm worker
- harvester machine operator

- hatchery worker
- poultry farm worker
- vegetable farm worker

Exclusion(s)

- Agricultural service contractors, farm supervisors and specialized livestock workers (8252)
- Harvesting labourers (8611)
- Managers in agriculture (0821)

Main duties

General farm workers perform some or all of the following duties:

- Plant, fertilize, cultivate, spray, irrigate and harvest crops
- Feed and tend livestock and poultry
- Milk cows
- Operate and maintain farm machinery and equipment
- Detect disease and health problems in crops, livestock and poultry
- Examine produce for quality and prepare for market
- Set and monitor water lines, air flow and temperature in barns, pens and chicken coops
- Clean stables, barns, barnyards and pens.

General farm workers can become specialized in a particular type of crop or livestock production through experience.

Employment requirements

- There are no specific education or training requirements. However, a college certificate or specialized courses related to farming, such as farm equipment mechanics, agricultural welding, tree pruning and pesticide application, are available.
- Basic farm knowledge, usually obtained from working on a family farm, may be required for employment.
- A course or certificate in first aid may be required.

Additional information

- Progression to supervisory positions is possible with experience.

8432 Nursery and greenhouse workers

Nursery and greenhouse workers plant, cultivate and harvest trees, shrubs, flowers and plants, and serve nursery and greenhouse customers. They are employed in indoor and outdoor nurseries and greenhouses.

Illustrative example(s)

- forest nursery worker
- greenhouse worker
- horticulture worker
- hothouse worker
- hydroponics worker
- nursery worker

Exclusion(s)

- Contractors and supervisors, landscaping, grounds maintenance and horticulture services (8255)
- General farm workers (8431)
- Harvesting labourers (8611)
- Landscaping and grounds maintenance labourers (8612)
- Managers in horticulture (0822)
- Silviculture and forestry workers (8422)

Main duties

Nursery and greenhouse workers perform some or all of the following duties:

- Prepare soil; plant bulbs, seeds and cuttings; graft and bud plants; and transplant seedlings and rooted cuttings
- Spray trees, shrubs, flowers and plants to prevent disease and pests
- Position and regulate greenhouse and outdoor irrigation systems to water plants and fields
- Dig, cut and transplant trees, shrubs, flowers and plants and prepare them for sale
- Provide information to customers on gardening and the care of trees, shrubs, flowers, plants and lawns
- May operate tractors and other machinery and equipment to fertilize, cultivate, harvest and spray fields and plants
- Maintain inventory and order materials as required
- Clean working areas.

Employment requirements

- Completion of secondary school may be required.
- Completion of college courses in horticulture or a related field may be required.
- On-the-job training is provided.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

Additional information

- Progression to supervisory positions, such as greenhouse supervisor, is possible with experience.

844 Other workers in fishing and trapping and hunting occupations

8441 Fishing vessel deckhands

Fishing vessel deckhands perform a variety of manual tasks on commercial fishing voyages, and maintain fishing vessels. They are employed by establishments that operate commercial fishing vessels and by self-employed fishermen/women.

Illustrative example(s)

- crewman/woman, fishing vessel
- deckhand, seiner
- fishing vessel deckhand
- icer, fishing vessel
- netmender, fishing vessel
- trawlerman/woman

Exclusion(s)

- Deck officers, water transport (2273)
- Fishermen/women (8262)
- Fishing masters and officers (8261)

Main duties

Fishing vessel deckhands perform some or all of the following duties:

- Prepare nets, lines and other fishing tackle, and operate fishing gear to catch fish and other marine life
- Clean, sort and pack fish in ice and stow catch in hold
- Repair nets, splice ropes and maintain fishing gear and other deck equipment
- Clean deck surfaces and fish hold
- Handle mooring lines during docking
- May steer vessels to and from fishing areas
- May prepare and cook meals for crew members.

Employment requirements

- There are no specific educational requirements.
- On-the-job training is provided.
- Trawlermen/women require at least one year of experience.
- Fishing vessel deckhands require a commercial fishing licence.

Additional information

- Fishing vessel deckhands may become skippers upon acquiring an entry licence and a boat.
- Fishing vessel deckhands may progress to watchkeeper or mate positions with additional training.

8442 Trappers and hunters

Trappers and hunters trap and hunt wild animals for pelts or live sale. They are usually self-employed and work on a seasonal basis.

Illustrative example(s)

- fur trapper
- game trapper
- hunter
- sealer
- trapper

Exclusion(s)

- Animal control trappers or nuisance control trappers (see 7444 Pest controllers and fumigators)
- Hunting guides (see 6532 Outdoor sport and recreational guides)

Main duties

Trappers perform some or all of the following duties:

- Set traps with bait and position traps along trails
- Operate snowmobiles or travel on foot, snowshoes or skis to patrol trapline
- Remove catch and reset traps and snares
- Kill and skin catch for pelts, and treat and pack pelts for marketing
- Trap live animals for sale to buyers or for relocation purposes
- Maintain and repair trapping equipment
- Maintain trails and access to trapping lines
- Trap designated animals for bounty or other control programs
- May monitor animal population in the trapping regions to ensure future sustainability.

Hunters perform some or all of the following duties:

- Operate boats or snowmobiles or travel on foot to reach hunting areas
- Kill wild animals using firearms or other weapons
- Skin dead animals for pelts using knives
- Treat, pack and transport pelts to processing plants or to public auctions
- Maintain hunting equipment
- May monitor animal population in the hunting regions to ensure future sustainability.

Trappers and hunters may specialize in trapping or hunting a particular kind of animal.

Employment requirements

- Completion of trapping or hunting courses may be required in some provinces.
- A provincial trapping or hunting licence may be required.

Additional information

- In some jurisdictions, trappers may be allocated trapping areas based on their experience.

86 Harvesting, landscaping and natural resources labourers**861 Harvesting, landscaping and natural resources labourers****8611 Harvesting labourers**

Harvesting labourers assist other farm workers to harvest, sort and pack crops.

Illustrative example(s)

- apple picker
- berry picker
- crop farm labourer - harvesting
- fruit picker
- fruit sorter - farm
- harvest hand
- vegetable packer - farm

Exclusion(s)

- General farm workers (8431)
- Managers in agriculture (0821)

Main duties

Harvesting labourers perform some or all of the following duties:

- Pick row and orchard crops
- Sort, weigh and pack fruit and vegetables at the farm
- Load, unload and transfer crates, supplies, farm produce and products for transport
- Clean up racks, trays and growing, producing and packing areas.

Employment requirements

- There are no specific education or training requirements.

Additional information

- Progression to other farm worker positions is possible with experience.

8612 Landscaping and grounds maintenance labourers

Landscaping and grounds maintenance labourers perform work to assist in the construction of landscapes and related structures, and to maintain lawns, gardens, athletic fields, golf courses, cemeteries, parks, landscaped interiors and other landscaped areas. They are employed by landscaping and lawn care companies, golf courses, cemeteries, and landscaping operations of public works departments and private establishments.

Illustrative example(s)

- bulb planter - landscaping
- cemetery labourer
- gardening helper
- golf course worker
- grass cutter
- grounds maintenance worker
- landscape labourer
- maintenance worker, parks
- park maintenance labourer
- sod layer
- transplanter - landscape maintenance

Exclusion(s)

- Landscape and horticulture technicians and specialists (2225)
- Nursery and greenhouse workers (8432)
- Other trades helpers and labourers (7612)
- Public works and maintenance labourers (7621)
- Public works maintenance equipment operators and related workers (7522)
- Residential and commercial installers and servicers (7441)

Main duties

Landscaping and grounds maintenance labourers perform some or all of the following duties:

- Spread top soil, lay sod, plant flowers, grass, shrubs and trees and perform other duties to assist with the construction of a landscape and related structures
- Cut grass, rake, fertilize and water lawns, weed gardens, prune shrubs and trees and perform other maintenance duties as directed by supervisor
- Maintain lawns and grass along roadsides
- Operate and maintain power mowers, tractors, chain saws, electric clippers, sod cutters, pruning saws, snowblowers and other landscape maintenance equipment
- Spray and dust trees, shrubs, lawns and gardens, as directed, to control insects and disease
- Perform other manual duties to clean and maintain landscaped environments.

Employment requirements

- Some secondary school education may be required.
- A provincial licence to apply chemical fertilizers, fungicides, herbicides and pesticides may be required.

Additional information

- Progression to technical or supervisory occupations in landscaping and horticulture is possible with additional training or experience.

8613 Aquaculture and marine harvest labourers

This occupational group includes aquaculture support workers, marine plant gatherers, shellfish diggers and other labourers in aquaculture and fishing. Aquaculture support workers are employed by public or private fish hatcheries and commercial aquatic farms. Marine plant gatherers and shellfish harvesters may be self-employed.

Illustrative example(s)

- aquaculture support worker
- clam digger
- dulse gatherer
- fish farm helper
- fish tagger
- fry marker
- marine plant gatherer
- oyster picker
- sea farm attendant
- seaweed gatherer
- shellfish harvester

Exclusion(s)

- Fishermen/women (8262)
- Fishing vessel deckhands (8441)
- Managers in aquaculture (0823)

Main duties

Aquaculture support workers perform some or all of the following duties:

- Assist aquaculture technicians in the operation of fish hatcheries or other aquatic farms
- Feed aquaculture stocks, vaccinate stocks, perform culling and marking or banding techniques and report any observed irregularities in stocks
- Operate, maintain and clean pumps, filters, tanks and other aquaculture equipment and clean and maintain aquaculture enclosures
- Keep daily records of water flow and fish samples
- Grade and weigh aquaculture stocks
- Prepare aquaculture stocks for market
- May operate boats aquaculture operations.

Marine plant gatherers perform some or all of the following duties:

- Rake seaweed, dulse or Irish moss from beach, rocks or shallow water and load into a cart, wagon or other receptacles

- Spread gatherings to dry and remove foreign objects
- Transport gatherings to processing plant.

Shellfish harvesters perform some or all of the following duties:

- Dig clams from beds with spades, forks or other instruments, or collect oysters
- Clean, sort and transport shellfish to market.

Employment requirements

- Some secondary school education is usually required.
- Shellfish harvesters require commercial fishing licences.

8614 Mine labourers

Mine labourers carry out a variety of general labouring duties to assist in the extraction of coal, minerals and ore, and in other services in support of underground mining. They are employed by coal, metal and non-metallic mineral mines.

Illustrative example(s)

- chute puller
- mine helper
- mine labourer
- miner helper - underground mining
- pit scaler - underground mining
- shoveller - underground mining
- underground labourer - mining

Exclusion(s)

- Underground mine service and support workers (8411)
- Underground production and development miners (8231)

Main duties

Mine labourers perform some or all of the following duties:

- Assist other mine workers in maintaining or constructing underground installations
- Clean underground rooms, roadways, working areas and mining equipment and conveyances using hand tools
- Load, move, sort and pile materials and supplies
- Clear spills of ore or coal using hand and power tools.

Employment requirements

- Completion of secondary school is usually required.
- A short period of introductory training is provided.
- In Ontario, mine labourers are registered in the basic common core program.

Additional information

- There is mobility among jobs in this group.
- Progression to underground production and development miner or underground mine service and support worker is possible with experience and training.

8615 Oil and gas drilling, servicing and related labourers

Labourers in this unit group carry out a variety of general labouring duties and operate equipment to assist in the drilling and servicing of oil and gas wells. This unit group also includes labourers who assist in geophysical prospecting for oil and gas. They are employed by drilling and well servicing contractors and by petroleum producing companies.

Illustrative example(s)

- floorman/woman - oil and gas drilling

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- helper, wireline
 - labourer, oil field
 - leasehand
 - roughneck
 - roustabout
 - service rig helper
 - shakerhand
 - swamper - oil and gas
 - well treatment helper

Exclusion(s)

- Oil and gas well drillers, servicers, testers and related workers (8232)
- Oil and gas well drilling and related workers and services operators (8412)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Manipulate sections of pipe or drill stem at the rig floor during drilling and during the removal and replacement of strings of pipe or drill stem and drill bit
- Maintain drilling equipment on the drill floor
- Handle, sort and move drill tools, pipe, cement and other materials
- Clean up rig areas
- Assist in setting up, taking down and transporting drilling and service rigs and service equipment
- May drive trucks to transport materials and well service equipment.

Employment requirements

- Completion of secondary school may be required.
- Completion of introductory college or petroleum industry-approved training courses may be required.
- Certificates in hydrogen sulphide awareness, workplace hazardous materials information system (WHMIS) or transportation of dangerous goods (TDG) may be required.

Additional information

- Progression to more senior operating positions is possible with experience.

8616 Logging and forestry labourers

Logging and forestry labourers perform a variety of manual tasks such as attaching choker cables to logs, planting trees, clearing brush, spraying chemicals, cleaning up landing areas and assisting other workers in woodlands operations. They are employed by logging companies and contractors.

Illustrative example(s)

- chokerman/woman
- forestry labourer
- logging labourer
- swamper - logging and forestry
- tree planter, seasonal

Exclusion(s)

- Chain saw and skidder operators (8421)
- Logging machinery operators (8241)
- Silviculture and forestry workers (8422)

Main duties

Logging and forestry labourers perform some or all of the following duties:

- Assist other workers at logging sites
- Attach chokers or cables to felled trees for yarding
- Plant trees using manual tools

- Spray herbicides from the ground using manual spraying equipment
- Clear trails through woodlands using chain saws
- Clean up landing areas at logging sites.

Employment requirements

- Completion of secondary school may be required.
- Completion of pre-employment safety courses may be required.
- Several weeks of formal and on-the-job training are provided.
- Workplace hazardous materials information system (WHMIS) certificate may be required.
- Chemicals application licence may be required.

Additional information

- There is mobility among jobs in this unit group.
- Progression to other positions, such as silviculture and forestry worker, chain saw and skidder operator or logging machinery operator, is possible with experience.

9 Occupations in manufacturing and utilities

92 Processing, manufacturing and utilities supervisors and central control operators

921 Supervisors, processing and manufacturing occupations

9211 Supervisors, mineral and metal processing

Supervisors, mineral and metal processing, supervise and co-ordinate the activities of workers in the following groups: *Central Control and Process Operators, Mineral and Metal Processing (9231), Machine Operators and Related Workers in Metal and Mineral Products Processing and Manufacturing (941) and Labourers in Mineral and Metal Processing (9611)*. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

Illustrative example(s)

- blast furnace foreman/woman
- brick and tile foreman/woman
- cement processing supervisor
- coremaking foreman/woman - foundry
- die casting supervisor
- foreman/woman, lead refining
- lime preparation foreman/woman
- melting and roasting department supervisor
- ore milling supervisor
- roll shop operations coach - steel mill
- shift co-ordinator, steel mill
- supervisor, glass cutters

Exclusion(s)

- Supervisors, mining and quarrying (8221)
- Supervisors, other mechanical and metal products manufacturing (9226)

Main duties

Supervisors, mineral and metal processing, perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers engaged in the following duties: operating single or multi-function mineral and metal processing machinery and equipment; operating mouldmaking and coremaking machines or manually make moulds and cores; operating glass process control, forming and finishing machines; operating concrete, clay and stone forming and finishing machines; and operating cement process control machines and equipment

- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Requisition materials and supplies
- Resolve work problems and recommend work measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in metallurgy, sciences or a related field may be required for some occupations in this unit group.
- Several years of experience as a worker in the unit or department being supervised are usually required.

9212 Supervisors, petroleum, gas and chemical processing and utilities

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following unit groups: *Petroleum, Gas and Chemical Process Operators* (9232), *Power Engineers and Power Systems Operators* (9241), *Water and Waste Treatment Plant Operators* (9243), *Chemical Plant Machine Operators* (9421) and *Labourers in Chemical Products Processing and Utilities* (9613). They are employed by petroleum and natural gas processing, pipeline and petrochemical companies, chemical and pharmaceutical companies, electric power utilities, water and waste treatment utilities and in a range of other industries and institutions.

Illustrative example(s)

- chemical processing supervisor
- foreman/woman, chemical
- foreman/woman, cosmetics processing
- foreman/woman, natural gas plant
- foreman/woman, water purification plant
- paint processing foreman/woman
- production supervisor, pharmaceuticals
- production supervisor, specialty chemicals
- steam engineer leader
- supervisor, petroleum refining
- supervisor, pipeline operation
- supervisor, power station
- supervisor, sewage treatment plant

Exclusion(s)

- Supervisors of telecommunications workers, power utility electricians and power line workers (see 7202 Contractors and supervisors, electrical trades and telecommunications occupations)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who operate petroleum refineries, chemical plants, water and waste treatment plants and equipment, pipelines, heating plants and power stations and systems
- Identify, investigate, correct and document potential environmental and safety problems
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Provide information for maintenance plans to ensure that maintenance and production objectives are met
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports and develop and manage operating budget for area of responsibility
- May also supervise, co-ordinate and schedule the activities of trades workers, labourers or other workers.

Employment requirements

- Completion of secondary school is required.
- Post-secondary education in chemical processing or sciences may be required for some occupations in this unit group.
- Several years of experience as a senior operator in the same company or plant are usually required.
- Some occupations in this unit group may require a specific licence or certification, such as a stationary engineer's licence or refrigeration certification.
- Solid waste, landfill or compost facility operator certification may be required.

Additional information

- There is some mobility between occupations with similar technological or licensing requirements within this group.

9213 Supervisors, food, beverage and associated products processing

Supervisors in this unit group supervise and co-ordinate the activities of workers who operate processing and packaging machines, and workers who grade food, beverage and associated products. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, fish plants, meat plants, breweries and other food, beverage and associated products processing establishments.

Illustrative example(s)

- brewer supervisor
- foreman/woman, poultry graders
- HACCP co-ordinator
- packaging supervisor - food and beverage processing
- production supervisor - food and beverage processing
- supervisor, bottling
- supervisor, fish processing
- supervisor, food product testers
- supervisor, meat packing
- supervisor, tobacco processing
- supervisor, vegetable packing
- team supervisor, flour milling

Exclusion(s)

- Machine operators and related workers in food, beverage and associated products processing (946)
- Managers of food, beverage and associated products processing (see 0911 Manufacturing managers)
- Supervisors of meat and fish inspectors (see 2222 Agricultural and fish products inspectors)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who process, package, test and grade food, beverage and associated products
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.
- HACCP co-ordinators identify, evaluate, control and prevent hazards at all stages of the food production process.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in microbiology or chemistry may be required for some positions in this group.

- Several years of experience in the food, beverage or associated products processing industry are required.
- Hazard analysis critical control point (HACCP) co-ordinators require HACCP certification and several years of experience in quality assurance of food production.

9214 Supervisors, plastic and rubber products manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who operate processing machines and who fabricate, assemble and inspect rubber or plastic products. They are employed by rubber and plastic products manufacturing companies and in plastic parts divisions of other manufacturing companies.

Illustrative example(s)

- foreman/woman, blow moulding
- foreman/woman, calendaring - rubber and plastic manufacturing
- foreman/woman, extruding - rubber and plastic manufacturing
- supervisor, injection moulding - plastic products manufacturing
- supervisor, plastic products manufacturing
- supervisor, rubber products manufacturing
- supervisor, tire building

Exclusion(s)

- Labourers in rubber and plastic products manufacturing (9615)
- Plastic products assemblers, finishers and inspectors (9535)
- Plastics processing machine operators (9422)
- Rubber processing machine operators and related workers (9423)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of production workers who operate processing machines and who fabricate, assemble, finish or inspect plastic or rubber parts and products
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in sciences or plastics technology may be required for some positions in this group.
- Several years of experience as a machine operator or an assembler in rubber or plastic products manufacturing is usually required.

9215 Supervisors, forest products processing

Supervisors in this unit group supervise and co-ordinate the activities of workers in the following groups: *Pulping, Papermaking and Coating Control Operators* (9235), *Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing and Manufacturing* (943) and *Labourers in Wood, Pulp and Paper Processing* (9614). They are employed by pulp and paper companies, paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

Illustrative example(s)

- coating room foreman/woman - pulp and paper
- foreman/woman, lumber grading - wood processing

- foreman/woman, plywood making
- foreman/woman, shingle mill
- foreman/woman, waferboard
- foreman/woman, wood treating plant
- paper machine foreman/woman
- paper mill foreman/woman
- pulp mill foreman/woman
- sawmill foreman/woman
- shift operating supervisor - pulp and paper
- supervisor, paper converting
- tour foreman/woman - pulp and paper

Exclusion(s)

- Manufacturing managers (0911)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who operate pulp and paper mills, paper converting mills, sawmills, planing mills, plywood, waferboard and other wood and paper products mills
- Ensure that systems and equipment are operating efficiently and that proper maintenance and repairs are performed
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions and administer the collective agreement
- Prepare production and other reports
- Monitor safety conditions
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is required.
- A college diploma in pulp and paper technology or a related discipline may be required for some pulp and paper supervisor positions.
- Several years of some combination of formal and on-the-job training are provided.
- Several years of experience in the most senior occupation supervised are often required.
- Certificates, such as lumber grading and industrial first aid, and a competency certificate in natural gas may be required.

Additional information

- Mobility is possible between positions employing similar technology or producing similar products.
- Progression to managerial positions is possible with experience.

9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers engaged in textile, fabric, fur and leather products processing and manufacturing. They are employed by textile manufacturing companies, tanneries and other manufacturers of fabric, fur and leather products.

Illustrative example(s)

- boot and shoe foreman/woman
- canvas products manufacturing foreman/woman
- cutting department foreman/woman, fabric
- dye room supervisor
- embroidery supervisor - fabric products
- finishing supervisor - textiles

- foreman/woman - textile processing
- fur dressing foreman/woman
- hat and cap makers foreman/woman
- sample room foreman/woman, leather products
- sewing machine operators supervisor
- stitching department supervisor
- supervisor, knitting
- tannery foreman/woman

Exclusion(s)

- Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing (944)
- Master dyers and textile colour technologists (see 2211 Chemical technologists and technicians)
- Tailors, dressmakers, furriers and milliners (6342)
- Technologists and technicians in textile manufacturing (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Textile machinery mechanics (see 7311 Construction millwrights and industrial mechanics)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of production workers who operate machines to process natural, synthetic and hybrid textile fibre, yarn and thread; bleach, dye and finish textiles; operate manufacturing machines to cut, stitch and produce fabric, fur or leather garments and other products; and inspect textiles products
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in textile technology or a related field may be required for some positions in this group.
- Several years of experience as a worker in the unit group being supervised are usually required.
- Experience may be required in a specific process, or with a specific product or type of equipment.

Additional information

- There is some mobility among supervisory positions in this group.
- Progression to managerial positions is possible with experience.

922 Supervisors, assembly and fabrication

9221 Supervisors, motor vehicle assembling

Supervisors in this unit group supervise and co-ordinate the activities of workers in motor vehicle production departments. They are employed in plants which manufacture automobiles, vans and light trucks.

Illustrative example(s)

- area co-ordinator - motor vehicle manufacturing
- assembly foreman/woman - motor vehicle manufacturing
- foreman/woman - motor vehicle manufacturing
- general supervisor, assembly - motor vehicle manufacturing
- supervisor, assembly - motor vehicle manufacturing

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- zone supervisor, assembly - motor vehicle manufacturing

Exclusion(s)

- Motor vehicle assemblers, inspectors and testers (9522)
- Supervisors of engine assemblers (see 9226 Supervisors, other mechanical and metal products manufacturing)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers in motor vehicle manufacturing production departments such as body shop, chassis, paint, trim and hardware and final assembly
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Train staff in job duties, safety procedures and company policies
- Requisition materials and supplies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in engineering, sciences, business or other related discipline is usually required.
- Several years of experience as a production worker in motor vehicle manufacturing are required.

Additional information

- Progression to managerial positions is possible with experience.

9222 Supervisors, electronics manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who assemble, fabricate, test, repair and inspect electronic parts, components and systems. They are employed in electronics manufacturing plants.

Illustrative example(s)

- assembly and testing supervisor - electronic equipment manufacturing
- final assembly and testing foreman/woman - electronic equipment manufacturing
- foreman/woman, electronic assembly
- foreman/woman, printed circuit board fabrication
- production supervisor - electronics manufacturing
- supervisor, communications equipment assembly - electronic equipment manufacturing
- systems test foreman/woman - electronic equipment manufacturing

Exclusion(s)

- Electrical and electronics engineering technologists and technicians (2241)
- Electronics assemblers, fabricators, inspectors and testers (9523)
- Electronic service technicians (household and business equipment) (2242)
- Supervisors, electrical products manufacturing (9223)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who assemble, fabricate, inspect and test electronic and electromechanical assemblies, subassemblies, parts and components
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend work measures to improve productivity
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies and recommend personnel actions such as hirings and promotions

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- Ensure safety rules and regulations are followed
 - Prepare production and other reports
 - May set up machines and equipment
 - Supervise, co-ordinate and schedule the activities of related helpers and labourers.

Employment requirements

- Completion of secondary school is required.
- Several years of experience as an electronics assembler, fabricator, inspector or tester are usually required.
- Post-secondary education in electronics or a related discipline is required.

9223 Supervisors, electrical products manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who assemble, fabricate and inspect electrical components, appliances, motors and industrial equipment. They are employed by companies that manufacture electrical products.

Illustrative example(s)

- foreman/woman, electrical motor assembly
- foreman/woman, electrical transformer assembly
- foreman/woman, switchgear assembly
- supervisor, electrical appliance assembly
- supervisor, electrical equipment manufacturing

Exclusion(s)

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (9524)
- Assemblers, fabricators and inspectors, industrial electrical motors and transformers (9525)
- Contractors and supervisors, electrical trades and telecommunications occupations (7202)
- Supervisors, electronics manufacturing (9222)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who assemble, fabricate and inspect various types of electrical apparatus and equipment such as electrical appliances, batteries, electric motors, transformers and generators and electrical switchgear and control equipment
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend work measures to improve productivity
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education in electrical or manufacturing technology or other related discipline may be required for some positions in this group.
- Several years of experience as an assembler, inspector or lead hand are required.

9224 Supervisors, furniture and fixtures manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who manufacture furniture and fixtures made of wood or other materials. They are employed in furniture and fixtures manufacturing establishments.

Illustrative example(s)

- foreman/woman, desk assembly
- foreman/woman, furniture assembly
- foreman/woman, woodworking machine operators - furniture and fixtures manufacturing
- laminating foreman/woman
- supervisor, furniture and fixture manufacturing
- supervisor, furniture finishers
- supervisor, woodworking machine operators

Exclusion(s)

- Cabinetmakers (7272)
- Contractors and supervisors, carpentry trades (7204)
- Furniture and fixture assemblers and inspectors (9532)
- Furniture finishers and refinishers (9534)
- Supervisors of millwork and wood product manufacturing other than furniture and fixture, and wood machining (see 9227 Supervisors, other products manufacturing and assembly)
- Woodworking machine operators (9437)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule the activities of workers who assemble furniture and fixtures of any materials, operate woodworking machines and finish furniture to specified colour or finish
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend work measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policy
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports.

Employment requirements

- Completion of secondary school is usually required.
- Experience as a furniture and fixture assembler, woodworking machine operator, cabinetmaker or furniture finisher, is usually required.

9226 Supervisors, other mechanical and metal products manufacturing

Supervisors in this unit group supervise and co-ordinate the activities of workers who fabricate, assemble and inspect mechanical and metal products, such as aircraft and aircraft parts, heavy trucks, buses, trailers, motor vehicle engines, transmissions, heating equipment, commercial refrigeration and similar metal products. They are employed by a wide variety of manufacturing companies.

Illustrative example(s)

- aircraft assembly foreman/woman
- engine assembly foreman/woman (except aircraft)
- foreman/woman, metalworking machine operators
- foreman/woman, mobile home assembly
- shipyard painter foreman/woman
- supervisor, helicopter assembly
- supervisor, snowmobile assembly
- truck trailer assembly foreman/woman

Exclusion(s)

- Aircraft engine assembly and machine fitters' supervisors (see 7301 Contractors and supervisors, mechanic trades)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (7201)

- Supervisors, electrical products manufacturing (9223)
- Supervisors, motor vehicle assembling (9221)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule activities of workers who assemble and inspect products such as aircraft, buses, heavy trucks, transmissions, automobile engines and refrigeration and heating equipment
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train staff in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school is usually required.
- Post-secondary education may be required for some occupations in this group.
- Several years of experience as an assembler or inspector in the same company are usually required.

9227 Supervisors, other products manufacturing and assembly

This unit group includes supervisors, not elsewhere classified, who supervise and co-ordinate the activities of workers who assemble, fabricate and inspect a variety of products, such as jewellery, clocks and watches, millwork, sporting goods, toys and other miscellaneous products. They are employed in a wide variety of manufacturing companies.

Illustrative example(s)

- foreman/woman, bicycle assembly
- foreman/woman, clock and watch assembly
- foreman/woman, jewellery manufacturing
- foreman/woman, millwork assembly
- supervisor, millwork assembly
- supervisor, silverware manufacturing
- supervisor, sports equipment assembly
- supervisor, toy manufacturing

Exclusion(s)

- Other labourers in processing, manufacturing and utilities (9619)
- Other products assemblers, finishers and inspectors (9537)
- Supervisors of woodworking machine operators (see 9224 Supervisors, furniture and fixtures manufacturing)

Main duties

Supervisors in this unit group perform some or all of the following duties:

- Supervise, co-ordinate and schedule activities of workers who assemble, fabricate and inspect products, such as jewellery, clocks, watches, bicycles, millwork, sporting goods and toys
- Establish methods to meet work schedules and co-ordinate work activities with other departments
- Resolve work problems and recommend measures to improve productivity and product quality
- Requisition materials and supplies
- Train workers in job duties, safety procedures and company policies
- Recommend personnel actions such as hirings and promotions
- Prepare production and other reports
- May set up machines and equipment.

Employment requirements

- Completion of secondary school may be required.
- Several years of experience as an assembler or inspector in the same company are usually required.

Additional information

- There is little mobility between different types of supervisors in this unit group.

923 Central control and process operators in processing and manufacturing**9231 Central control and process operators, mineral and metal processing**

Central control and process operators, mineral and metal processing, operate and monitor multi-function process control machinery and equipment to control the processing of mineral ores, metals or cement. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries and cement processing plants.

Illustrative example(s)

- blast furnace operator
- central control caster
- central control room operator - primary metal processing
- chief flotation operator
- console operator - cement manufacturing
- pelletizing control operator
- roaster operator - primary metal processing
- rolling mill control operator

Exclusion(s)

- Foundry furnace operators and casters (see 9412 Foundry workers)
- Machine operators, mineral and metal processing (9411)
- Supervisors, mineral and metal processing (9211)

Main duties

Central control and process operators, mineral and metal processing, perform some or all of the following duties:

- Co-ordinate and monitor the operation of a particular aspect of mineral ore, metal and cement processing production through control panels, computer terminals or other control systems, usually from a central control room
- Operate multi-function central process control machinery to grind, separate, filter, melt, roast, treat, refine or otherwise process mineral ores
- Observe computer printouts, video monitors and gauges to verify specified processing conditions and to make necessary adjustments
- Co-ordinate and supervise production crew such as machine and process operators, tenders, assistants and helpers
- Start up and shut down the production system in cases of emergency or as required by schedule
- Provide or organize training for members of production crew
- Maintain shift log of production and other data and prepare production and other reports.

Employment requirements

- Completion of secondary school is required.
- A college diploma may be required for some positions in this group.
- On-the-job training is provided.
- Several years of experience as a machine or process operator, usually in the same company or production department, are required.

Additional information

- There is little mobility among the various types of central control and process operators within the mineral and metal processing industry.
- With experience, central control and process operators may progress to supervisory positions in mineral and metal processing.

9232 Petroleum, gas and chemical process operators

Petroleum, gas and chemical process operators monitor and operate petroleum, petrochemical and chemical plants and monitor, adjust and maintain processing units and equipment in these plants. They are employed by petroleum and natural gas processing, pipeline and petrochemical companies and industrial, agricultural and specialty chemical and pharmaceutical companies.

Illustrative example(s)

- acid plant operator
- cell room operator, chlor-alkali plant
- chemical process operator
- chief technician, chemical processing
- gas field production operator
- gas plant operator
- gas recovery operator
- master operator - chemical processing
- oil refinery process operator
- panel operator - chemical processing
- petroleum process operator
- pharmaceutical processing operator
- pipeline compressor station operator
- process technician - chemical processing
- refinery process technician

Exclusion(s)

- Chemical plant machine operators (9421)
- Supervisors, petroleum, gas and chemical processing and utilities (9212)

Main duties

Petroleum, gas and chemical process operators perform some or all of the following duties:

- Operate electronic or computerized control panel from a central control room to monitor and optimize physical and chemical processes for several processing units
- Control process start-up, shut-down and troubleshooting
- Monitor outside process equipment
- Adjust equipment, valves, pumps and controls and process equipment
- Authorize or co-sign maintenance work orders
- Shut down, isolate and prepare process units or production equipment for maintenance
- Sample products, perform tests, record data, carry out statistical process control on process operations, and write production logs
- Develop operator procedures for normal operation, start-up or shut-down of unit
- Participate in safety audits and programs and provide emergency response when required
- Ensure adherence to safety and environmental regulations
- May rotate between different processing units during shift cycles
- May work in a team with shared supervisory responsibilities and participate in training other workers
- May be cross-trained in a skilled trade and work in the trade during shift cycles.

Employment requirements

- Completion of secondary school is required. Mathematics, chemistry and physics subjects are often specified.
- A college diploma in process operation, sciences or a related subject may be required for some positions.

- Petroleum and chemical process operators and process technicians require completion of several years of formal company training.
- Experience as a petroleum or chemical process operator in all the operating units controlled by the central control room is required for chief operators.
- Company certification as a petroleum process operator or technician may be required.
- A provincial stationary engineer licence, compressor operator or refrigeration certificate may be required when certain kinds of equipment are included in the process.
- Certification in the transportation of dangerous goods (TDG), first aid, firefighting, or workplace hazardous materials information system (WHMIS) may be required.

Additional information

- There is considerable mobility among jobs within a company, often as part of a formal development or training program.
- Mobility to other petroleum or chemical processing plants is possible, but may be limited by the usual practice of training and promoting workers from within the establishment.
- Progression to supervisory or managerial positions is possible with experience.
- Occupations in this unit group may involve exposure to hazards of toxic, flammable or explosive chemicals and personal protective equipment may be required.

9235 Pulping, papermaking and coating control operators

Pulping, papermaking and coating control operators operate and monitor multi-function process control machinery and equipment to control the processing of wood, scrap pulp, recyclable paper, cellulose materials, paper pulp and paperboard. They are employed by pulp and paper companies.

Illustrative example(s)

- bleach plant operator - pulp and paper
- control operator, paper machine
- panelboard operator - pulp and paper
- pulping control operator
- pulping group operator - pulp and paper
- pulping technician

Exclusion(s)

- Papermaking and finishing machine operators (9433)
- Pulp mill machine operators (9432)
- Supervisors, forest products processing (9215)

Main duties

Pulping, papermaking and coating control operators perform some or all of the following duties:

- Operate, co-ordinate and monitor pulping, papermaking and papercoating process equipment from central control room or machine consoles and control panels in equipment cabins to control process operations and machinery in the production of pulp and paper
- Control the processing of wood, scrap pulp, recyclable paper, cellulose materials, pulp paper and paperboard and monitor the chemical and physical process operations using a distributed control system and process computers
- Observe panel indicators, gauges, video monitors and other instruments to detect equipment malfunctions and ensure pulping, papermaking and coating processes are operating according to process specifications
- Analyze instrument readings and production test samples and make adjustments or direct other pulp mill, papermaking and finishing machine operators to make adjustments to pulp production, papermaking and coating process and equipment as required
- Complete and maintain production reports.

Employment requirements

- Completion of secondary school is required.

- A college or other program in forest products processing or a related subject may be required for pulping control operators.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Several years of experience as a pulp mill, papermaking or finishing machine operator within the same company is usually required.
- A certificate in industrial first aid may be required.
- A competency certificate in natural gas may be required.

Additional information

- There is limited mobility among jobs within this unit group.
- Progression to supervisory positions is possible with experience.

924 Utilities equipment operators and controllers

9241 Power engineers and power systems operators

Power engineers operate and maintain reactors, turbines, boilers, generators, stationary engines and auxiliary equipment to generate electrical power and to provide heat, light, refrigeration and other utility services for commercial, industrial and institutional buildings and other work sites. Power systems operators monitor and operate switchboards and related equipment in electrical control centres to control the distribution of electrical power in transmission networks. They are employed by power generation plants, electrical power utilities, manufacturing plants, hospitals, universities and government and commercial establishments.

Illustrative example(s)

- apprentice power dispatcher
- auxiliary plant operator
- building systems technician
- control room operator - electrical power systems
- distribution control operator - electrical power systems
- electrical power systems operator
- energy from waste plant operator
- load dispatcher apprentice - electrical power systems
- nuclear generating station field operator
- nuclear reactor operator - electrical power systems
- power dispatcher - generating station
- power engineer
- power plant operator
- power plant stationary engineer
- stationary engineer
- system controller - electrical power systems

Exclusion(s)

- Nuclear power station equipment mechanics (see 7311 Construction millwrights and industrial mechanics)
- Professional engineers (see 213 Civil, mechanical, electrical and chemical engineers)
- Professional engineers (see 214 Other engineers)
- Supervisors of stationary engineers and auxiliary equipment operators (see 9212 Supervisors, petroleum, gas and chemical processing and utilities)

Main duties

Power engineers perform some or all of the following duties:

- Operate automated or computerized control systems, stationary engines and auxiliary equipment such as reactors, boilers, turbines, generators, pumps, compressors, pollution control devices and other equipment to generate electrical power and to provide light, heat, ventilation and refrigeration for buildings, industrial plants and other work sites

- Start up and shut down power plant equipment, control switching operations, regulate water levels and communicate with systems operators to regulate and co-ordinate transmission loads, frequency and line voltages
- Monitor and inspect plant equipment, computer terminals, switches, valves, gauges, alarms, meters and other instruments to measure temperature, pressure and fuel flow, to detect leaks or other equipment malfunctions and to ensure plant equipment is operating at maximum efficiency
- Analyze and record instrument readings and equipment malfunctions
- Troubleshoot and perform corrective action and minor repairs to prevent equipment or system failure
- Clean and lubricate generators, turbines, pumps and compressors and perform other routine equipment maintenance duties using appropriate lubricants and hand, power and precision tools
- Maintain a daily log of operation, maintenance and safety activities, and write reports on plant operation
- May assist in the development of operation, maintenance and safety procedures.

Power systems operators perform some or all of the following duties:

- Operate and monitor computerized switchboards and auxiliary equipment in electrical control centres to control the distribution and to regulate the flow of electrical power in the transmission network
- Co-ordinate, schedule and direct generating station and substation power loads and line voltages to meet distribution demands during daily operations, system outages, repairs and importing or exporting of power
- Monitor and visually inspect station instruments, meters and alarms to ensure transmission voltages and line loadings are within prescribed limits and to detect equipment failure, line disturbances and outages
- Issue work and test permits to electrical and mechanical maintenance personnel, assist maintenance and technical personnel to locate and isolate system problems, and assist during routine system testing
- Complete and maintain station records, logs and reports.

Employment requirements

- Completion of secondary school is usually required.
- Power engineers require a college training program in stationary or power engineering and several years of work experience in the field.
- Power engineers require a provincial or territorial power engineering or stationary engineering certificate according to class.
- Stationary engineer trade certification according to class (4th, 3rd, 2nd or 1st class) is compulsory in Nova Scotia and Quebec and available, but voluntary in New Brunswick.
- Power systems operators require completion of a three- to five-year power system operator apprenticeship program
or
Over three years of work experience in the trade and some college or industry courses in electrical and electronic technology.
- Trade certification is available, but voluntary for power system operators in Newfoundland and Labrador.
- Control room operators at nuclear power plants require licensing from the Canadian Nuclear Safety Commission.

Additional information

- There is little mobility between nuclear power generation station operators and other classic or alternative power generation station operators.
- Progression from lower to higher classes for stationary or power engineers is dependent on further training and experience.
- Progression to supervisory positions is possible with experience.

9243 Water and waste treatment plant operators

Water treatment plant operators monitor and operate computerized control systems and related equipment in water filtration and treatment plants to regulate the treatment and distribution of water. Liquid waste plant operators monitor and operate computerized control systems and related equipment in wastewater, sewage treatment and liquid waste plants to regulate the treatment and disposal of sewage and wastes. They are employed by municipal governments and industrial facilities. This unit group also includes waste treatment plant operators in composting plants and other waste management facilities.

Illustrative example(s)

- environmental systems operator - water treatment
- operator, water purification plant
- process operator, liquid waste
- sewage plant operator
- waste treatment plant operator
- wastewater treatment plant operator
- water filtration plant operator
- water treatment plant operator

Exclusion(s)

- Chemical engineers (2134)
- Chemical technologists and technicians (2211)
- Supervisors, petroleum, gas and chemical processing and utilities (9212)
- Water and waste plant labourers (see 9613 Labourers in chemical products processing and utilities)
- Waterworks and gas maintenance workers (7442)

Main duties

Water treatment plant operators perform some or all of the following duties:

- Operate and monitor computerized control systems and related equipment in water filtration and treatment plants to regulate the treatment and distribution of water
- Monitor and inspect plant equipment and systems to detect equipment malfunctions and to ensure plant systems are operating normally
- Read flow meters, gauges and other recording instruments to measure water output and consumption levels, bacterial content, chlorine and fluoride levels
- Collect and test water samples for chemical and bacterial content, analyze test results and instrument readings and make adjustments to plant equipment and systems to ensure quality control
- Provide verbal or written instructions for process control changes to waterworks system to ensure water produced meets standardized quality requirements
- Perform security checks in plant and on grounds
- Respond to public enquiries regarding water quality issues and emergencies
- Complete and maintain plant logs, reports and statistics
- May perform minor maintenance or assist skilled tradespersons with installation and repair of plant machinery
- May measure, mix and transport chemicals to maintain feed stocks.

Liquid waste plant operators perform some or all of the following duties:

- Operate and monitor computerized control systems and related equipment in wastewater treatment, sewage treatment and liquid waste plants to regulate the flow of sewage through settling, aeration and digestion tanks, and to treat and dispose of sewage and wastes
- Patrol plant to check pumps, motors, filters, chlorinators and other plant equipment; monitor and read gauges, meters and other recording instruments to detect equipment malfunctions and ensure plant systems and equipment are operating within prescribed limits
- Test and adjust chemical feed rates to ensure that disinfection processes meet quality standards
- Collect waste and sewage samples, test and analyze results and make adjustments to plant equipment and systems as required
- Perform security checks in plant and on grounds
- Complete and maintain plant logs and reports
- Perform preventive maintenance on plant equipment to ensure that the facility operates in accordance with required standards
- May assist skilled tradespersons with installation and repair of plant machinery.

Employment requirements

- Completion of secondary school is required.
- College or industry training courses in chemistry, pollution control or related subjects are required.
- Certification in water treatment and distribution (Levels I, II, III or IV depending on the certification level of the plant) is required for water treatment plant operators.

- Certification in wastewater collection and wastewater treatment (Level I, II, III or IV depending certification level of the plant) is required for wastewater treatment plant operators.
- Solid waste, landfill or compost facility operator certification may be required for operators in waste treatment plants.
- Certification in workplace hazardous materials information system (WHMIS), transportation of dangerous goods (TDG), and courses in safety practices may be required.
- On-the-job training is provided.
- Previous experience as a worker in the water treatment or wastewater field may be required.

Additional information

- There is limited mobility between water treatment plant and waste plant operators.
- Progression to supervisory positions is possible with experience.

94 Processing and manufacturing machine operators and related production workers

941 Machine operators and related workers in mineral and metal products processing and manufacturing

9411 Machine operators, mineral and metal processing

Workers in this unit group operate single-function machines or machinery that is part of a larger production process to process mineral ore and metal products. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries and cement processing plants.

Illustrative example(s)

- aluminum classifier
- asbestos dryer
- billet heater
- brick and tile crusher operator
- cement miller
- extrusion press operator
- foil-winding machine operator
- furnace charger - mineral and metal processing
- ladle pourer
- lead refiner
- lime kiln operator
- mica sheet laminator
- quenching car operator
- scrap metal shredder
- sintering machine operator
- slurry equipment operator
- steel roller
- uranium classifier operator
- zinc cell operator

Exclusion(s)

- Central control and process operators, mineral and metal processing (9231)
- Concrete, clay and stone forming operators (9414)
- Foundry workers (9412)
- Glass forming and finishing machine operators and glass cutters (9413)
- Inspectors and testers, mineral and metal processing (9415)
- Labourers in mineral and metal processing (9611)
- Supervisors, mineral and metal processing (9211)

Main duties

Machine operators, mineral and metal processing, perform some or all of the following duties:

- Set up, prepare and adjust mineral ore, metal and cement processing machinery to carry out one step in the overall mineral ore or metal processing operation
- Operate single-function machinery to grind, separate, filter, mix, treat, cast, roll, refine or otherwise process mineral ores
- Observe gauges, meters, computer printouts, video monitors and products to ensure correct operation of machine and verify specified processing conditions
- Make adjustments to machinery as required
- Record production information and complete reports
- May assist with machinery maintenance or repair.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training is provided.
- Experience as a labourer in mineral and metal processing is usually required for machine operators.

Additional information

- There is little mobility among the various types of machine operators within the mineral and metal processing industry.
- With experience, machine operators may progress to central control and process operators in mineral and metal processing.

9412 Foundry workers

This unit group includes workers who make foundry moulds and cores by hand or machine, cast molten metal, and operate furnaces in the foundry industry. They are employed by metal foundries and foundry departments of metal products manufacturing companies.

Illustrative example(s)

- bench moulder
- casting machine operator
- ceramic mouldmaker
- die-casting machine operator
- foundry worker
- furnace operator - foundry
- machine coremaker
- manual moulder
- melter - foundry
- metal caster
- pit moulder
- sand coremaker
- sand moulder

Exclusion(s)

- Foundry labourers (see 9611 Labourers in mineral and metal processing)
- Furnace operators who convert and refine primary metals, and operators of continuous casting processes (see 9231 Central control and process operators, mineral and metal processing)
- Supervisors of foundry workers (see 9211 Supervisors, mineral and metal processing)

Main duties

The following is a summary of the main duties for some occupations in this unit group:

- Manual mouldmakers make and repair sand moulds using patterns, moulding boxes, sand and hand tools following bench, floor or pit moulding methods; operate ovens to dry moulds; may pour molten metal into moulds to produce metal castings.

- Manual coremakers make cores for use inside moulds to form holes or void spaces in castings using core boxes, sand, hammer and wire or other reinforcing material; coat cores with protective materials and bake cores in oven.
- Machine mouldmakers and coremakers set up, adjust and operate various mouldmaking and coremaking machines to make sand and ceramics moulds and cores.
- Metal casters set up and operate various casting machines to cast ferrous and non-ferrous metal products; hand ladle and pour molten metal into moulds to produce castings.
- Foundry furnace operators operate furnaces used to melt metals for moulding and casting.

Employment requirements

- Completion of secondary school may be required.
- Up to two years of on-the-job training are required for manual mouldmakers; several months of on-the-job training are required for other workers in this unit group.

Additional information

- There is some mobility between workers in this unit group.
- Progression to supervisory positions is possible with experience.

9413 Glass forming and finishing machine operators and glass cutters

Machine operators in this unit group operate multi-function process control machinery or single function machines to melt, form, cut or finish flat glass, glassware, bottles, and other glass products. Glass cutters cut flat glass of various thicknesses to specified sizes and shapes by hand. They are employed by glass and glass products manufacturing companies.

Illustrative example(s)

- bottle machine operator - glass products manufacturing
- float operator - glass forming
- glass beveller
- glass cutter, hand
- glass edger
- glass moulder
- glass-blowing machine operator
- glass-finishing machine operator
- glass-pressing machine operator
- mirror maker

Exclusion(s)

- Glass blowers (see 5244 Artisans and craftspersons)
- Glaziers (7292)
- Helpers and labourers in glass products manufacturing (see 9611 Labourers in mineral and metal processing)
- Neon sign makers (see 9524 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing)
- Production inspectors in glass products manufacturing (see 9415 Inspectors and testers, mineral and metal processing)
- Supervisors of workers in this unit group (see 9211 Supervisors, mineral and metal processing)

Main duties

Glass process control operators perform some or all of the following duties:

- Operate multi-function process control machinery through control panels, computer terminals or other control systems to mix and melt raw materials; heat, anneal, temper or form float glass or glass products; and coat glass with silver or other metals and materials
- Observe gauges, computer printouts and video monitors to verify specified processing conditions and make adjustments as necessary
- Maintain shift log of production and other data

- May operate process control machinery to cut glass or assemble glass window units
- May clean and maintain process machinery
- May ensure adequate levels of oil, soap, talc or other materials used in machine production of glass.

Glass forming machine operators perform some or all of the following duties:

- Set up and adjust automatic glass feeding, flowing and forming machines
- Operate and maintain machines that press or blow molten glass in moulds to form or shape containers, such as bottles, jars and drinking glasses
- Operate electric kilns that heat glass sheets and mould to the shape and curve of metal jigs
- Spray or swab moulds with oil solutions to prevent adhesion of glass
- Weigh, measure and check production samples to assess conformance to specifications using scales and gauges and by visual verification.

Glass finishing machine operators perform some or all of the following duties:

- Set up and adjust glass and glass-product finishing machines
- Operate and maintain finishing machines to grind, drill, sand, bevel, decorate, wash or polish glass or glass products
- Visually inspect products for quality
- Record manufacturing information such as quantity, size and type of goods produced.

Glass cutters perform some or all of the following duties:

- Jig and measure and mark glass or place pattern on or under glass for cutting
- Examine and mark defective glass to obtain best cut
- Cut glass along marked outlines or around pattern using hand tools
- Smooth rough edges using belt sander or smoothing wheels
- Set up, operate and adjust computerized or robotic glass cutting equipment
- Monitor process for product quality.

Employment requirements

- Completion of secondary school may be required.
- Experience as a machine operator helper in glass manufacturing is usually required for machine operators in this unit group.
- Experience as a glass cutter helper is usually required for manual glass cutters.

Additional information

- Mobility is possible among the various types of machine operators in this unit group.
- Progression to supervisory positions is possible with experience.

9414 Concrete, clay and stone forming operators

This unit group includes workers who cast and finish concrete products, operate machines to extrude, mould, press and bake clay products, and operate machines to form, cut and finish stone products. They are employed by concrete, clay and stone products manufacturing companies.

Illustrative example(s)

- asbestos shingle presser
- brick presser operator
- clay press operator
- concrete block maker
- finisher - concrete, clay and stone products
- granite cutter
- marble cutter
- moulder, clay products
- precast concrete moulder
- precast concrete slab maker
- stone driller
- stone planer
- stonework moulder

Exclusion(s)

- Concrete finishers (7282)
- Helpers and labourers in concrete, clay and stone products manufacturing (see 9611 Labourers in mineral and metal processing)
- Inspectors of concrete, clay and stone products (see 9415 Inspectors and testers, mineral and metal processing)
- Sculptors (see 5136 Painters, sculptors and other visual artists)
- Stone carvers and potters (see 5244 Artisans and craftspersons)
- Stone masons (see 7281 Bricklayers)
- Supervisors of workers in this unit group (see 9211 Supervisors, mineral and metal processing)

Main duties

Concrete products forming and finishing workers perform some or all of the following duties:

- Construct clay models and moulds by hand and with hand tools for use in casting concrete products
- Build and repair wooden forms used to mould concrete products
- Position reinforcing rods or wire mesh in moulds and fill moulds with concrete from suspended pouring buckets
- Start vibrating tables to settle concrete, or tamp concrete using electric vibrator
- Remove castings from mould with crane or forklift, and finish surfaces of castings using screed or trowel
- Cut cured concrete pipe sections with saw or chisel, and cement sections together to form odd shaped fittings.

Concrete products machine operators perform some or all of the following duties:

- Set up, adjust and operate single-function machines to mix, drill, grind and cut concrete to specifications in the manufacture of concrete products
- Check products for quality control, repair flaws and perform ongoing machine adjustments and minor maintenance as necessary
- Move products using forklift, crane or hydraulic hoist
- Record manufacturing information such as quantity, size and type of goods produced.

Clay products forming and finishing machine operators perform some or all of the following duties:

- Set up and operate automatic machines that mix ingredients, extrude tempered clay mixture and cut extruded clay into sections to make products such as bricks, drain tiles and porcelain insulators
- Operate mechanical or hydraulic ram and hot-presses to form pottery and porcelain ware
- Prepare and mix slip and fill moulds with slip to form pottery and porcelain ware such as jugs, cups, sinks and toilet bowls
- Operate kiln to bake clay products to specified hardness.

Stone forming and finishing workers perform some or all of the following duties:

- Operate blade or wire saws to cut blocks of stone to specified dimensions
- Operate machines to grind and polish surfaces of stone blocks, slabs or other stone products to specific shape or design and to produce smooth finish
- Operate sandblasting equipment to cut inscriptions or decorative designs in stone monuments
- Finish stone products with spray paint and by mounting plaques or installing concrete bases
- Operate stone-dressing lathe to sharpen and dress grindstones that grind logs into pulp
- Operate machine to drill holes in blocks or slabs of stone according to specifications.

Employment requirements

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in concrete, clay or stone products manufacturing may be required.
- Mould makers in this unit group who construct and repair wooden forms may require some carpentry or woodworking experience.

Additional information

- Mobility is possible between workers within each of the concrete, clay and stone manufacturing sectors, but there is little or no mobility between these manufacturing sectors.
- Progression to supervisory positions is possible with experience.

9415 Inspectors and testers, mineral and metal processing

Inspectors and testers in this unit group inspect, grade, sample or test raw materials and products from mineral ore and metal processing operations. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

Illustrative example(s)

- asbestos grader
- brick and tile inspector
- castings tester - primary metal and mineral products processing
- clay products grader
- core tester - foundry
- fibreglass tester
- glass quality control inspector
- heat treating inspector - metal processing
- metal processing inspector
- mineral sampler - mineral products processing
- molten metal sampler - primary metal processing
- salvage glass inspector
- sheet steel inspector - primary metal processing
- steel tester - primary metal processing

Exclusion(s)

- Central control and process operators, mineral and metal processing (9231)
- Machine operators, mineral and metal processing (9411)
- Metallurgical control analysts and mineralogical assayers (see 2212 Geological and mineral technologists and technicians)
- Non-destructive testers and inspection technicians (2261)
- Quality control technologists and technicians (see 2211 Chemical technologists and technicians)
- Supervisors, mineral and metal processing (9211)

Main duties

Inspectors and testers perform some or all of the following duties:

- Inspect mineral ore, metal, cement, glass, clay or concrete products at various stages of processing to ensure adherence to specifications
- Grade and label raw materials or finished products according to size, thickness, composition or other classification standards
- Take samples of products during or after processing operation for routine analysis or for subsequent laboratory analysis
- Test product for strength, density, durability and conformance to specifications
- Advise supervisor or central control operator and process machine operators of problems and product deficiencies
- Complete inspection and test reports.

Employment requirements

- Completion of secondary school is usually required.
- Experience as a machine or process operator in mineral and metal processing is usually required.

9416 Metalworking and forging machine operators

Light metalworking machine operators operate metalworking machines which shape and form sheet or other light metal into parts or products. Heavy metalworking machine operators operate metalworking machines which shape and form steel or other heavy metal into parts or products. Forging machine operators operate forging machines to form and shape metal into various shapes and sizes and impart desired strength, hardness or other characteristics. Light metalworking machine operators are employed by sheet metal products manufacturing companies, sheet

metal shops and other light metal products manufacturing establishments. Heavy metalworking machine operators are employed by structural steel fabrication, boiler and platework manufacturing companies, heavy machinery manufacturing companies and in the shipbuilding industry. Forging machine operators are employed primarily in the fabricated metal products, machinery and transportation equipment manufacturing industries.

Illustrative example(s)

- bending press operator - metal fabrication
- cold press operator - metal forging
- disk flange operator - metal fabrication
- drop hammer operator - metal forging
- electric arc cutter - metal products manufacturing
- forging press operator
- metal-forming machine set-up operator
- metalworking machine operator
- power brake operator - metal fabrication
- power press operator - metal fabrication
- punch press setter - metalworking
- roll operator - metal fabrication
- saw operator - metal fabrication
- shear setter - metal fabrication
- sheet metal roll operator - metal fabrication

Exclusion(s)

- Sheet metal workers (7233)
- Structural metal and platework fabricators and fitters (7235)
- Supervisors of metalworking machine operators (see 9226 Supervisors, other mechanical and metal products manufacturing)

Main duties

Metalworking machine operators perform some or all of the following duties:

- Read specifications or follow verbal instructions
- Lay out, set up and operate one or more light or heavy metalworking machines such as shears, power presses, saws, plate rolls, drills, brakes, slitters, punch presses, computer numerically controlled (CNC) equipment, and other hand tools to cut, bend, roll, ream, punch and drill, weld or otherwise shape and form metal stock into parts or products
- Operate machines or equipment which weld, solder, bolt, screw or rivet metal parts together
- Check products for correct shapes, dimensions and other specifications
- Troubleshoot and perform corrective action or minor repairs
- May select and transport material to work area manually or using crane or hoist
- May document work completed
- May build staging or erect scaffolding as required for heavy metalworking jobs
- May clean or lubricate equipment and replace parts as required.

Forging machine operators perform some or all of the following duties:

- Operate gas or oil fired furnaces to heat metal to proper temperature prior to forging
- Place metal pieces in furnace using hand tongs or overhead cranes and remove from furnace when colour of metal indicates proper forging temperature, or load and unload furnace with automatic conveyor
- Position heated or cold metal pieces, on die of press or other forging machinery
- Operate presses or other forging machines to perform hot or cold forging by flattening, straightening, twisting, forming, drawing, upsetting, splitting, cutting, punching, piercing, bending, coining, or other operations to shape or form metal
- Position and adjust dies on anvil of forging machinery using overhead cranes or other hoisting devices and hand tools.

Employment requirements

- Completion of secondary school education may be required.
- Previous experience as a labourer or helper in the same company may be required.

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- On-the-job training is usually provided.

Additional information

- There is little or no mobility between operators of light and heavy metalworking machines.
- Progression to structural metal fabricator or supervisory positions is possible with experience for metalworking machine operators.
- Progression to blacksmith, die setting, or supervisory positions is possible with experience for forging machine operators.

9417 Machining tool operators

Machining tool operators set up and operate or tend metal-cutting machines designed for repetitive machining work. They are employed by metal products and other manufacturing companies and in machine shops. This unit group also includes workers who etch or chemically mill metal pieces.

Illustrative example(s)

- aircraft parts etcher
- boring mill operator - metal machining
- CNC machining tool operator
- lathe machining operator
- machining tool operator
- milling machine set-up operator
- production gear cutter
- production grinder operator - metal machining
- radial drill operator - metal machining

Exclusion(s)

- CAD/CAM and CNC programmers (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations (7201)
- Machinists and machining and tooling inspectors (7231)
- Tool and die makers (7232)

Main duties

Machining tool operators perform some or all of the following duties:

- Study job orders and interpret blueprints to determine machining operations to be performed
- Set up and operate machine tools to perform repetitive machining operations, such as turning, milling, drilling, boring, planing, honing, broaching, grinding or other machining operations
- Verify dimensions of parts machined using micrometers, callipers and other precision measuring instruments
- Prepare etching solution and immerse metal parts or workpiece in etching solution to remove unwanted portions
- Perform routine maintenance on equipment and machinery
- May enter codes specifying speed, feed and cut of the toolpath for computer numerical controlled (CNC) machine tools.

Employment requirements

- Some secondary school education is required.
- College or other courses in machining may be required.
- Several months of on-the-job training are provided.
- Senior positions in this unit group, such as set-up operator, require experience as a machine operator.

Additional information

- Experienced machining tool operators may become machinists or tool and die makers through apprenticeship training.

9418 Other metal products machine operators

This unit group includes metal products machine operators, not elsewhere classified, who operate one or more automatic or multi-purpose machines to produce a variety of metal parts and products, such as wire mesh, nails, bolts and chains. They are employed by a wide variety of metal products manufacturing companies.

Illustrative example(s)

- bolt machine operator
- bullet maker
- can-forming machine operator
- chain-making machine operator
- metal cable maker operator
- nail making machine tender
- spring machine operator
- wire screen maker
- wire weaver

Exclusion(s)

- Machining tool operators (9417)
- Metalworking and forging machine operators (9416)
- Supervisors of machine operators in this unit group (see 9226 Supervisors, other mechanical and metal products manufacturing)

Main duties

Machine operators in this unit group perform some or all of the following duties:

- Operate or tend automatic or multi-purpose machines including wire looms to produce metal parts and metal products such as wire screening, fencing, tinware, metal baskets, racks, hooks, metal tubing and similar articles
- Fit and assemble components using hand and power tools
- Clean, polish, file or otherwise finish products
- Check products for quality and other specifications
- May clean and lubricate machinery.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

Additional information

- There is some mobility among machine operators in this unit group.
- Progression to supervisory positions is possible with experience.

942 Machine operators and related workers in chemical, plastic and rubber processing

9421 Chemical plant machine operators

Chemical plant machine operators monitor and operate units and machinery to blend, mix, process and package a wide range of specialty chemicals, pharmaceuticals, cleaning and toiletry products. They are primarily employed in chemical, cleaning compound, ink and adhesive industries, but may also be employed by chemical processing departments in other industries.

Illustrative example(s)

- batch mixer - chemical processing
- blender - chemical processing
- capsule machine operator
- evaporator operator - chemical processing

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- formulations blender operator
 - glue blender
 - granulator machine operator
 - mixer - chemical processing
 - screener - chemical processing
 - soap maker

Exclusion(s)

- Petroleum, gas and chemical process operators (9232)
- Supervisors, petroleum, gas and chemical processing and utilities (9212)

Main duties

Chemical plant machine operators perform some or all of the following duties:

- Monitor meters, gauges and electronic instrumentation on one or more chemical or formulation units, such as mixers, kettles, blenders, dryers, tableting, encapsulation, granulation and coating machines
- Measure, weigh and load chemical ingredients following formulation cards
- Start up, shut down, troubleshoot and clean equipment
- Adjust processing machines and equipment
- Monitor reaction processes and transfers of products in conformance with safety procedures
- Take samples and perform routine chemical and physical tests of products
- Record production data
- May operate equipment from a control room or from control consoles located near the production units.

Employment requirements

- Completion of secondary school is usually required.
- Completion of several months to one year of informal, on-the-job training within the company is required for most mixer and blender operators.
- Completion of more than one year of formal and informal company training may be required for some operators working in pharmaceutical, explosives and agricultural chemical or in specialty chemical plants.
- Previous experience in chemical products processing as an assistant, labourer or helper may be required for some occupations in this unit group.
- Certification in the transportation of dangerous goods (TDG), first aid, firefighting or workplace hazardous materials information system (WHMIS) may be required for some occupations in this unit group.

Additional information

- Mobility between employers producing similar products is possible for some of the more skilled operators in this unit group.
- Progression to supervisory positions or to process control occupations is possible with experience.
- Personal protective equipment may be required when working with some types of chemicals or pharmaceuticals.

9422 Plastics processing machine operators

Plastics processing machine operators set up and operate plastic mixing, calendering, extruding and moulding processing machines used in the manufacture of plastic parts and plastic products. They are employed by plastic products manufacturing companies.

Illustrative example(s)

- bag machine operator
- banbury operator - plastic manufacturing
- blow moulding machine operator - plastic manufacturing
- calender operator - plastic manufacturing
- extruder operator - plastic manufacturing
- injection moulding operator - plastic manufacturing
- moulder, printing rollers - plastic manufacturing
- plastics press operator

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- solution mixer operator - plastic manufacturing
 - thermoforming operator

Exclusion(s)

- Labourers in rubber and plastic products manufacturing (9615)
- Plastic products assemblers, finishers and inspectors (9535)
- Rubber processing machine operators and related workers (9423)
- Supervisors, plastic and rubber products manufacturing (9214)

Main duties

Mixing machine operators perform some or all of the following duties:

- Weigh resins, colorants and other chemicals according to formula
- Place weighed materials in mixing machine and operate machine to blend plastic and other chemicals to a specified consistency or viscosity
- Monitor operation, regulate material supply and add chemicals and colorants to mixture
- Operate controls to regulate temperature, speed and other processing conditions
- Unload mixture into container or conveyor for further processing
- Maintain and perform minor repairs on machinery as required
- Maintain inventory of material and clean working area.

Calendering process operators perform some or all of the following duties:

- Set up and operate calender machines which transform dough-consistent plastic mass into continuous sheets or films of specified thickness
- Troubleshoot, maintain and make minor repairs to equipment and adjust calender rollers for production line change
- Monitor quality of material produced
- Maintain inventory of material and clean working area.

Extruding process operators perform some or all of the following duties:

- Set up and operate one or more extruding machines which extrude plastic composites products through a nozzle or die
- Change dies on extruding machines according to production line change
- Troubleshoot, maintain and make minor repairs to equipment
- Monitor quality of material produced
- Maintain inventory of material and clean working area.

Moulding process operators perform some or all of the following duties:

- Set up and operate one or more moulding machines which mould plastic products according to specifications
- Change moulds and adjust equipment for production line change
- Troubleshoot, maintain and make minor repairs to equipment
- Monitor quality of material produced and adjust machine settings as required
- Follow formulation card to mix ingredient batches for injection moulding process
- Maintain inventory of material and clean working area.

Employment requirements

- For all operators in this unit group, completion of secondary school is usually required.
- Several years of experience as a helper, tender or packer in the same company may be required.
- Completion of a statistical process control (SPC) course may be required.
- Completion of courses in hydraulics, pneumatics and electronics systems may be required for moulding process operators.
- On-the-job training is provided.

Additional information

- Mobility among the various operators in this unit is possible.
- Progression to supervisory positions is possible with experience.

9423 Rubber processing machine operators and related workers

Workers in this unit group operate rubber processing machinery and assemble and inspect rubber products. They are employed by tire manufacturers and other rubber products manufacturing companies.

Illustrative example(s)

- banbury operator - rubber products manufacturing
- belt builder, rubber
- blow-out and test operator - rubber products
- calender machine operator - rubber products manufacturing
- cure operator - rubber products manufacturing
- extruder operator - rubber products manufacturing
- hose builder, rubber
- inspector, rubber products manufacturing
- moulding press tender - rubber products manufacturing
- refiner mill tender - rubber products manufacturing
- rubber processing machine operator
- rubber products assembler
- scrap rubber grinder - recycling
- tire builder
- tire inspector

Exclusion(s)

- Labourers in rubber and plastic products manufacturing (9615)
- Plastic products assemblers, finishers and inspectors (9535)
- Plastics processing machine operators (9422)
- Supervisors, plastic and rubber products manufacturing (9214)

Main duties

Rubber processing machine operators perform some or all of the following duties:

- Set up, operate and tend machinery used for mixing, calendering, extruding, moulding and curing rubber materials or rubber products
- Load or feed rubber, pigments, filler, oil and chemicals into machines
- Check and monitor processing conditions and product quality
- Adjust machines to proper setting as required
- Train or assist in training new workers.

Assemblers, rubber products perform some or all of the following duties:

- Lay out and prepare rubber materials for assembly
- Operate machines or equipment or use hand tools to cut, shape, splice, fit and cement rubber materials to form rubber parts or finished rubber products
- Operate finishing machines or equipment to trim, grind, or buff rubber products into final form
- Train or assist in training new workers.

Rubber products inspectors perform some or all of the following duties:

- Inspect finished rubber products for defects and conformance to specifications and quality standards, visually or using instruments
- Affix seals or tags to approved products and mark and reroute defective products for repair or recycle
- Fill out product inspection report
- May make minor adjustments or repairs to products.

Employment requirements

- Completion of secondary school may be required.
- Experience as a labourer in the same company may be required.
- On-the-job training is provided.

Additional information

- Mobility among the various labourers in this unit group is possible.
- Progression to supervisory positions is possible with experience.

943 Machine operators and related workers in pulp and paper production and wood processing and manufacturing

9431 Sawmill machine operators

Sawmill machine operators operate, monitor and control automated lumbermill equipment to saw timber logs into rough lumber; saw, trim and plane rough lumber into dressed lumber of various sizes; and saw or split shingles and shakes. They are employed in sawmills and planing mills.

Illustrative example(s)

- circular saw operator
- edgerman/woman
- head sawyer
- log cut-off operator
- planer operator
- resaw operator
- shake splitter
- trimmerman/woman

Exclusion(s)

- Labourers in wood, pulp and paper processing (9614)
- Lumber graders and other wood processing inspectors and graders (9436)
- Other wood processing machine operators (9434)
- Supervisors, forest products processing (9215)
- Woodworking machine operators (9437)

Main duties

Sawmill machine operators perform some or all of the following duties:

- Operate front-end loaders and stationary deck cranes to feed logs into the sawmill
- Examine logs and rough lumber to determine size, condition, quality and other characteristics to decide best lumber cuts to carry out, or use automated equipment to convey logs through laser scanners which determine the most productive and profitable cutting patterns
- Operate automated lumbermill equipment from control rooms or equipment consoles to saw logs into rough lumber; saw, trim and plane rough lumber into dressed lumber of various sizes; and saw or split shingles and shakes
- Start conveyor system to move logs and lumber to and from saws
- Set up and adjust saw equipment and replace blades or bands using wrenches, gauges and other hand tools
- Operate equipment to sort and stack lumber by length and thickness, move stacks to storage areas or drying kilns, and feed lumber through planers
- Monitor movement of lumber and computer screens to ensure cuts are made according to specifications, and print production reports
- Clean and lubricate sawmill equipment.

Employment requirements

- Completion of secondary school is usually required.
- College courses in wood processing technology may be required.
- Several weeks of on-the-job training are usually provided.
- Head sawyers and planer operators usually require several years of experience in other sawmill machine operating positions in the same company.
- A certificate in industrial first aid may be required.

Additional information

- There is some mobility among jobs in this occupational group.
- Progression to supervisory positions is possible with experience.

9432 Pulp mill machine operators

Pulp mill machine operators operate and monitor various types of processing machinery and equipment to produce pulp. They are employed by pulp and paper companies.

Illustrative example(s)

- assistant bleacher operator - pulp and paper
- assistant digester operator
- cook - pulp and paper
- cook's first helper - pulp and paper
- digester operator - pulp and paper
- field operator - pulp and paper
- grinderman/woman - pulp and paper
- refiner operator - pulp and paper
- repulper operator
- screenman/woman - pulp and paper
- thermomechanical pulp assistant operator
- thermomechanical pulp operator

Exclusion(s)

- Labourers in wood, pulp and paper processing (9614)
- Pulping, papermaking and coating control operators (9235)
- Supervisors, forest products processing (9215)

Main duties

Pulp mill machine operators perform some or all of the following duties:

- Operate and monitor screening equipment, bleaching equipment, digesters, mixing tanks, washers, and other pulp processing machinery and equipment to carry out one or more cellulose processing steps
- Observe equipment and machinery panel indicators, gauges, level indicators and other equipment instruments to detect machinery and equipment malfunctions and ensure process steps are carried out according to specifications
- Communicate with pulping control operator to make process adjustments and start up or shut down machinery and equipment as required
- Collect processing samples and conduct titration tests, pH readings, specific density tests and other routine tests on pulp and solutions
- Complete and maintain production reports.

Employment requirements

- Completion of secondary school is required.
- A college diploma in forest products processing or a related subject may be required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Previous experience as a pulp mill labourer within the same company is usually required.
- A certificate in industrial first aid may be required.

Additional information

- There is limited mobility among jobs within this occupational group.
- Progression to pulping control operator is possible with experience.

9433 Papermaking and finishing machine operators

Papermaking and finishing machine operators operate process machinery and equipment and assist papermaking and coating control operators to produce, coat and finish paper. They are employed by pulp and paper companies.

Illustrative example(s)

- assistant coating operator - pulp and paper
- balerman/woman - pulp and paper
- calender operator - pulp and paper
- embossing calender operator - pulp and paper
- fourth hand - pulp and paper
- graderman/woman - pulp and paper
- paper machine operator
- paper-coating machine operator
- sheeting operator - pulp and paper
- winderman/woman - pulp and paper

Exclusion(s)

- Labourers in wood, pulp and paper processing (9614)
- Machine operators engaged in fabricating and assembling paper products (see 9435 Paper converting machine operators)
- Pulp, papermaking and coating control operators (9235)
- Supervisors, forest products processing (9215)

Main duties

Papermaking and finishing machine operators perform some or all of the following duties:

- Operate and monitor various papermaking and finishing process machinery and equipment to dry, calender, laminate, coat, slit, trim, wind or carry out other papermaking and finishing process steps
- Mount, position and thread paper rolls using a hoist
- Control process machinery using a distributed control system and process computers
- Observe equipment and machinery, panel indicators, gauges, level indicators and other equipment instruments to detect machinery and equipment malfunctions and ensure process steps are carried out according to specifications
- Communicate with and assist papermaking and coating control operators to make process adjustments and to start up or shut down process machines as required
- Inspect paper visually for wrinkles, holes, discolouration, streaks or other defects and take corrective action
- Complete and maintain production reports.

Employment requirements

- Completion of secondary school is required.
- Completion of several weeks of formal company training and several months of on-the-job training is required.
- Previous experience as a labourer within the same company is usually required.
- A certificate in industrial first aid may be required.
- A competency certificate in natural gas may be required.

Additional information

- There is limited mobility among jobs within this occupational group.
- Progression to papermaking and coating control operator occupations is possible with experience.

9434 Other wood processing machine operators

Machine operators in this unit group operate and tend wood processing equipment and machines to remove bark from logs, produce wood chips, preserve and treat wood, and produce waferboards, particleboards, hardboards, insulation boards, plywood, veneers and similar wood products. They are employed in sawmills, woodrooms of pulp mills, planing mills, wood treatment plants, waferboard plants and other wood processing plants.

Illustrative example(s)

- barker operator
- chipper operator
- lumber kiln operator
- particleboard line operator
- plywood panel assembler
- timber treating tank operator
- veneer dryer tender
- veneer lathe operator
- waferboard press operator
- wood treater

Exclusion(s)

- Labourers in wood, pulp and paper processing (9614)
- Sawmill machine operators (9431)
- Supervisors, forest products processing (9215)

Main duties

Machine operators in this unit group perform some or all of the following duties:

- Operate and tend various wood processing equipment and machines to remove bark, knots and dirt from logs; reduce logs or sawmill waste into wood chips or flakes; stack and band lumber; screen wood chips; and produce waferboards, particleboards, hardboards and insulation boards
- Operate and tend conveyors, lathes, sanding machines and other equipment to peel and slice veneer from logs and log sections, and to glue, press, trim, sand and splice veneer sheets
- Operate and tend kilns, treating tanks and other equipment to dry lumber and other wood products, and to treat chemically and impregnate wood products with preservatives
- Observe equipment, panel indicators, video monitors, and other instruments to detect malfunctions and ensure that processes are operating according to specifications
- Assemble plywood panels and repair plywood and veneer mechanically or manually
- Start up, shut down, set up, adjust and assist in maintaining processing equipment and machines as required
- Complete and maintain production reports.

Employment requirements

- Completion of secondary school is usually required.
- Several months of on-the-job training are provided.
- For lumber kiln operators, particleboard operators and waferboard operators, some combination of college or company courses and up to one year of on-the-job training may be required.
- Previous experience as a labourer in wood processing may be required.

Additional information

- There is some mobility among jobs in this unit group.
- Progression to other positions in the wood, pulp and paper industries is possible with experience.

9435 Paper converting machine operators

Paper converting machine operators operate various machines which fabricate and assemble paper products such as paper bags, containers, boxes, envelopes and similar articles. They are employed by paper products manufacturing companies.

Illustrative example(s)

- box maker operator
- carton forming machine operator
- core maker - paper converting
- envelope maker operator
- paper bag machine operator
- paper box machine operator

Exclusion(s)

- Papermaking and finishing machine operators (9433)
- Plateless printing equipment operators (9471)
- Printing press operators (7381)

Main duties

Paper converting machine operators perform some or all of the following duties:

- Operate machines which cut, fold, glue or clip paper and cardboard to make boxes, corrugated cartons and other articles
- Operate machines which glue paper to cardboard and cut it into required lengths
- Operate machines which press paper to form drinking cups and other containers
- Operate machines which cut, glue and fold paper to make envelopes or paper bags
- Operate other paper converting machines to form products such as paper tubes, cards, paper towels or diapers
- Clean and lubricate machine and perform other routine machine maintenance
- Set up machines.

Employment requirements

- Completion of secondary school is required by the pulp and paper industry and other large employers.
- Several weeks of on-the-job training are provided.
- Previous experience as a labourer within the same company may be required.

Additional information

- There is some mobility between jobs in this occupational group.

9436 Lumber graders and other wood processing inspectors and graders

Lumber graders and other wood processing inspectors and graders inspect and grade lumber, shingles, veneer, waferboard and similar wood products to identify defects, ensure conformance to company specifications and classify products according to industry standards. They are employed by sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

Illustrative example(s)

- grader - wood processing
- grader tallyman/woman - wood processing
- lumber grader
- particleboard grader - wood processing
- plywood grader
- plywood inspector
- veneer grader
- wood measurer

Exclusion(s)

- Forest products technologists (see 2211 Chemical technologists and technicians)
- Log scalers (see 2223 Forestry technologists and technicians)
- Production technologists in sawmills (see 2233 Industrial engineering and manufacturing technologists and technicians)
- Supervisors, forest products processing (9215)

Main duties

Lumber graders perform some or all of the following duties:

- Examine lumber visually for knots, holes, splits and other defects and sort for further drying, trimming or remanufacturing
- Measure lumber using callipers, gauges and tape measures to ensure specified thickness, length and width
- Classify and sort lumber according to industry standards and stamp lumber to indicate grade, wood type, moisture level and other characteristics
- Tally lumber
- Complete and maintain reports.

Other wood processing inspectors and graders perform some or all of the following duties:

- Inspect plywood panels, veneer sheets, panelboards, shingles and similar wood products visually for knots, holes, splits, straightness and other defects
- Mark defects and sort for repair or reprocessing
- Measure wood products to ensure conformance to specifications using standard measuring instruments
- Grade and label wood products according to quality standards
- Complete and maintain inspection and grading reports.

Employment requirements

- Completion of secondary school is usually required.
- On-the-job training and up to two weeks of classroom training are provided for lumber graders.
- Previous experience as a sawmill machine operator, other wood processing operator or as a labourer in wood processing is usually required for graders and inspectors in this unit group.
- Lumber graders require a lumber grader's licence issued by a provincial lumber association.

Additional information

- There is some mobility between employers processing similar wood products.

9437 Woodworking machine operators

Woodworking machine operators set up, program and operate one or more woodworking machines to fabricate or repair wooden parts for furniture, fixtures or other wood products. They are employed in furniture, fixture and other wood products manufacturing establishments.

Illustrative example(s)

- boring machine operator - woodworking
- CNC (computer numerically controlled) band saw operator
- drill operator - woodworking
- drum sander - woodworking
- edge bander operator - woodworking
- glue machine operator - woodworking
- lathe operator - woodworking
- planer operator - woodworking
- rough mill operator - woodworking
- shaper - woodworking
- woodworking machine operator

Exclusion(s)

- Cabinetmakers (7272)
- Carpenters (7271)
- Supervisors of woodworking machine operators (see 9224 Supervisors, furniture and fixtures manufacturing)

Main duties

Woodworking machine operators perform some or all of the following duties:

- Set up, program and operate one or more computer numerically controlled (CNC) or manual woodworking machines such as saws, moulders, lathes, routers, planers, edgers, pressing machines, shapers, drills and sanders to fabricate or repair wooden parts for furniture, fixtures and other wood products
- Operate gluing machines to glue pieces of wood together or press and affix wood veneer to wood surfaces
- Operate preset special-purpose woodworking machines to fabricate wood products such as coat hangers, mop handles, clothes pins and other products
- Read and interpret specifications or follow verbal instructions
- May clean and lubricate equipment, and replace parts as necessary.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is usually provided.
- Experience as a labourer in the same company may be required.

Additional information

- Mobility is common among jobs in this unit group.
- Progression to supervisory positions is possible with experience.

944 Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing

9441 Textile fibre and yarn, hide and pelt processing machine operators and workers

Textile fibre and yarn processing machine operators and workers operate machines to prepare textile fibres; spin, wind or twist yarn or thread; and bleach, dye or finish yarn, thread, cloth or textile products. They are employed by textile manufacturing companies. Hide and pelt processing machine operators and workers trim, scrape, clean, tan, buff and dye animal hides, pelts or skins to produce leather stock and finished furs. They are employed by leather tanning, fur dressing and leather and fur dyeing establishments.

Illustrative example(s)

- autoclave tender - textile manufacturing
- bleaching range operator - textile manufacturing
- calender operator - textile manufacturing
- carding machine operator - textile manufacturing
- coater operator - textile manufacturing
- dyeing range operator - textile manufacturing
- fabric-printing machine operator
- finishing range operator - textile manufacturing
- leather buffer - hide and pelt processing
- leather stretcher - hide and pelt processing
- spinning operator - textile manufacturing
- tanner - hide and pelt processing
- twisting operator - textile manufacturing
- yarn doubler - textile manufacturing

Exclusion(s)

- Master dyers and textile colour technologists (see 2211 Chemical technologists and technicians)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

Main duties

Textile fibre and yarn processing machine operators and workers perform some or all of the following duties:

- Operate and feed machines that wash, mix, blend, pick, card, lap, comb or draw fibres and finish yarn
- Operate spinning, twisting, winding or reeling machines
- Operate a variety of machines to bleach, dye, coat or finish fabric, thread, yarn or other textile products
- Mix dyes or chemicals according to established formulas
- Operate machinery to print designs onto textile products

- Oversee work area, examine products for defects and ensure adherence to quality standards
- Investigate machine stoppages and notify supervisor or mechanic in the event of equipment malfunction
- May set up machines and assist with maintenance and minor repairs to machinery.

Hide and pelt processing machine operators and workers perform some or all of the following duties:

- Operate machines or use hand and powered cutting knives to remove unnecessary particles from hides, skins or pelts; shave or polish hides; and shear fur or wool hides to produce pelts with hair of specified or uniform lengths
- Prepare solutions according to pre-established formulas and immerse hides, skins or pelts to clean, dehair, pickle, dye, oil, tan, soften and preserve
- Adjust rotation and mixing action of vats according to state of pelts
- Tint or dye furs to enhance natural shades of fur
- May maintain and repair vats and other machinery.

Employment requirements

- Completion of secondary school may be required.
- On-the-job training is provided for periods up to several months, depending on the complexity of the process and the number of machines operated.

Additional information

- Progression is possible within the group to operate more complex dye ranges and textile printing equipment.
- Progression to supervisory positions is possible with experience for fibre and yarn preparation machine operators and hide and pelt processing machine operators and workers.
- Progression to supervisory positions in textile processing usually requires completion of a college program in textiles, chemistry or a related subject.
- There is some mobility among jobs in this unit group.

9442 Weavers, knitters and other fabric making occupations

Operators in this unit group operate machines to process yarn or thread into woven, non-woven and knitted products such as cloth, lace, carpets, rope, industrial fabric, hosiery and knitted garments or to quilt and embroider fabric. This unit group also includes workers who perform activities such as reproducing patterns, drawing-in and tying warps and setting up looms. They are employed by textile companies and by garment and mattress manufacturing companies.

Illustrative example(s)

- carpet weaver
- drawer-in - textiles
- drawing-in machine operator
- embroidery machine operator
- hosiery knitter
- knitter - textiles
- knitting machine operator
- loom operator
- mattress sewing machine operator
- pinning machine operator
- quilting machine operator
- tufting operator
- warp knitting machine tender
- warp tier-in
- weaver - textiles

Exclusion(s)

- Craft weavers and knitters (see 5244 Artisans and craftspersons)
- Industrial sewing machine operators (9446)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

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- Textile machinery mechanics (see 7311 Construction millwrights and industrial mechanics)

Main duties

Operators in this unit group perform some or all of the following duties:

- Set up looms or other processing machines
- Read loom patterns and prepare loom pattern mechanisms for processing
- Operate looms to weave yarn or thread into textile fabrics or products
- Operate machines that produce twine, ropes or nets
- Operate batteries of knitting machines to produce knitted fabric, hosiery, garments or other products
- Operate carpet tufting machines, felt making needle-punch machines and other machines to produce textile products
- Operate large automatic multi-needle machines to embroider material or to sew lengths of several layers of material to make yard goods, quilts or mattress coverings
- Patrol machines and check fabrics or products for defects and to verify efficient operation
- Investigate machine stoppages
- Repair minor mechanical problems such as broken or defective needles
- Notify supervisor or repairers of mechanical malfunctions.

Employment requirements

- On-the-job training is provided for periods up to several months, depending on the complexity of the product, whether equipment set-up and maintenance is done by the operator, and the number of machines operated.
- Previous experience as a labourer in the same company may be required for some operators in this group.

Additional information

- Mobility among employers may be limited by differences in machines and products.
- Progression to textile machinery mechanics and repairers or to supervisory positions is possible with experience and training.

9445 Fabric, fur and leather cutters

Fabric cutters cut fabric to make parts for garments, linens and other articles. Fur cutters cut fur pelts to make parts for garments and other fur articles. Leather cutters cut leather to make parts for shoes, garments and other leather articles. Fabric cutters are employed by clothing and textile manufacturers and other manufacturers of fabric products. Fur cutters are employed by furriers and fur products manufacturers. Leather cutters are employed by shoe and other leather products manufacturers.

Illustrative example(s)

- clothing cutter
- fabric cutter
- fur cutter
- glove cutter
- leather cutter
- sample cutter
- shoe cutter

Exclusion(s)

- Shoe repairers and shoemakers (6343)
- Tailors, dressmakers, furriers and milliners (6342)

Main duties

Fabric cutters perform some or all of the following duties:

- Place patterns on top of layers of fabric and cut fabric following patterns, using electric or manual knives, cutters or computer numerically controlled (CNC) cutting devices
- Adjust cutting technique to type of fabric and style of garment
- May cut fabric samples.

Fur cutters perform some or all of the following duties:

- Cut fur skins in diagonal strips to specified length and shape of pelt using furrier's knives and cutters
- Number pelts to indicate their location on pattern
- May sort or match skins, and may prepare fur samples.

Leather cutters perform some or all of the following duties:

- Select leather and cutting dies for leather goods and shoe parts according to specifications
- Position leather on cutting bed of machine, maximizing usage according to skin grain, skin flaws and skin stretch
- Operate clicker or punch press to stretch leather
- Operate machine to cut leather or cut single leather skins by hand to make leather products
- May cut leather samples.

Employment requirements

- Some secondary school education is usually required.
- Experience as a fabric, fur or leather cutter is required for fabric, fur or leather sample cutters.
- Some on-the-job training is provided for occupations in this unit group.
- Several years of on-the-job training are provided for fur cutters.

Additional information

- There is little mobility among the different kinds of cutters in this unit group.
- Progression to supervisory positions is possible with experience.

9446 Industrial sewing machine operators

Industrial sewing machine operators operate sewing machines to sew fabric, fur, leather or synthetic materials to produce or repair garments and other articles. They are employed in clothing, footwear, textile products, fur products and other manufacturing establishments and by furriers.

Illustrative example(s)

- fur sewing machine operator
- leather products sewing machine operator
- lining stitcher
- sample sewer
- serging machine operator
- sewing machine operator
- shoe sewer

Exclusion(s)

- Fabric, fur and leather cutters (9445)
- Mattress sewing and embroidery machine operators (see 9442 Weavers, knitters and other fabric making occupations)
- Shoe repairers and shoemakers (6343)
- Supervisors of sewing machine operators (see 9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing)
- Tailors, dressmakers, furriers and milliners (6342)

Main duties

Industrial sewing machine operators perform some or all of the following duties:

- Assemble pieces of garments by matching patterns and dye lots
- Operate single, double or multi-needle serging, flat bed felling, banding and other sewing machines, to join sections of garments or other articles into finished products on a piece-work or production basis
- Operate fur sewing machines to join fur pelt strips to required size and shape and join pelts into garment sections or shells
- Operate stitching machines to sew leather parts together for leather garments, handbags, shoes and other leather articles

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- Operate serging machines to sew and overcast edges of material simultaneously
 - Operate tackers, pocketsetters, buttonhole makers and fusing, hemmer and other machines to perform various operations in the fabrication of garments and other articles
 - Examine garments and operate sewing machines, sergers and other machines to repair garments and other articles during the manufacturing process
 - Complete production reports
 - May perform minor maintenance and repairs on sewing machine.

Employment requirements

- Some secondary school education is usually required.
- Experience operating a sewing machine is usually required.
- On-the-job training may be provided.

Additional information

- Industrial sewing machine operators may progress to supervisory positions with experience.

9447 Inspectors and graders, textile, fabric, fur and leather products manufacturing

Inspectors and graders in this unit group inspect and grade textile, fabric, fur and leather products. They are employed by textile companies, leather tanning and fur dressing establishments and garment, fur and leather products manufacturers.

Illustrative example(s)

- cloth inspector
- colour grader - textiles
- fabric examiner
- fibre inspector - textiles
- fur grader
- fur matcher - fur products manufacturing
- garment inspector
- hide and pelt processing inspector
- leather goods inspector
- leather grader
- quality control inspector - textiles
- shoe inspector
- textile grader
- textile product sampler
- yarn inspector

Exclusion(s)

- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

Main duties

Inspectors and graders in this unit group perform some or all of the following duties:

- Examine natural, synthetic and hybrid textile, fabric, fur and leather garments or products for conformity to quality standards
- Inspect and grade animal hides and pelts according to size, condition and weight
- Verify fit or size of finished garments and products by measuring or comparing products with samples and patterns
- Mark defects, repair minor imperfections, cut excess material using scissors, and remove lint and spots using brushes, lint removers and cleaning solutions
- Grade and sort finished products and tag according to size, style and quality
- Record information on products inspected
- May package products.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.
- Work experience in the manufacturing of the products inspected is usually required.

Additional information

- There is limited mobility among the different inspectors and graders in this unit group.

946 Machine operators and related workers in food, beverage and associated products processing

9461 Process control and machine operators, food, beverage and associated products processing

Process control and machine operators in this unit group operate multi-function process control machinery and single-function machines to process and package food, beverage and associated products. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, meat plants, breweries, leaf tobacco products plants and other food, beverage and associated products processing establishments.

Illustrative example(s)

- bakery machine operator - food and beverage processing
- brewhouse operator
- canning machine operator
- chocolate refiner
- cigarette machine tender
- citrus juice extractor
- control room operator - food and beverage processing
- corn sugar refinery operator
- dryer tender - tobacco processing
- fermenter operator
- fruit preserver - food and beverage processing
- fryer operator - food and beverage processing
- grain-processing machine operator
- meat grinder - food and beverage processing
- mixer operator, dry foods
- pasteurizer operator - food and beverage processing
- tobacco blender
- winery-press operator

Exclusion(s)

- Bakers (6332)
- Butchers, meat cutters and fishmongers - retail and wholesale (6331)
- Fish and seafood plant workers (9463)
- Industrial butchers and meat cutters, poultry preparers and related workers (9462)
- Labourers in fish and seafood processing (9618)
- Labourers in food, beverage and associated products processing (9617)
- Supervisors, food, beverage and associated products processing (9213)
- Testers and graders, food, beverage and associated products processing (9465)

Main duties

Process control operators in this unit group perform some or all of the following duties:

- Operate multi-function process control machinery through control panels, computer terminals or other control systems to grind, extract, mix, blend, cook or otherwise process food products and to bag, box or otherwise package food products
- Operate multi-function process control machinery to grind, extract, mix, blend, distill, ferment or otherwise process alcoholic or non-alcoholic beverages and to bottle, can or otherwise package beverages

- Observe gauges, computer printouts and video monitors to verify specified processing conditions and make adjustments to process variables such as cooking times, ingredient inputs, flow rates and temperature settings
- Maintain shift log of production and other data.

Machine operators in this group perform some or all of the following duties:

- Set up and adjust processing and packaging machines preparatory to operation
- Operate single-function machines to grind, extract, mix, blend, dry, freeze, cook or otherwise process food, beverage or associated products
- Operate single-function machines to box, can or otherwise package food, beverage or associated products
- Check products to ensure conformance to company standards and clear machine blockages as required
- Record production information such as quantity, weight, size, date and type of products packaged
- Perform corrective machine adjustments, clean machines and immediate work areas.

Employment requirements

- Completion of secondary school may be required.
- On-the-job training is provided.
- Experience as a machine operator in food, beverage or associated products processing is usually required for industrial process control operators.
- Experience as a labourer in food, beverage or associated products processing may be required for machine operators.

Additional information

- There is little mobility among the various types of process control operators within the food and beverage processing industry.
- Process control operators may progress to supervisory positions in food and beverage processing with experience.
- There is mobility among machine operators within the food, beverage and associated products processing.
- Machine operators may progress to process control operation or supervisory positions in food, beverage and associated products processing with experience.

9462 Industrial butchers and meat cutters, poultry preparers and related workers

Workers in this unit group prepare meat and poultry for further processing, for packaging or for marketing. They are employed in meat and poultry slaughtering, processing and packing establishments.

Illustrative example(s)

- beef boner
- ham cutter
- industrial butcher
- industrial meat cutter
- meat trimmer
- poultry preparer
- slaughterer

Exclusion(s)

- Butchers, meat cutters and fishmongers - retail and wholesale (6331)
- Meat graders (see 9465 Testers and graders, food, beverage and associated products processing)
- Meat inspectors (see 2222 Agricultural and fish products inspectors)
- Supervisors, meat packing (see 9213 Supervisors, food, beverage and associated products processing)

Main duties

Workers in this unit group perform some or all of the following duties:

- Industrial butchers slaughter livestock using stunning devices and knives; skin, clean and trim carcasses; remove viscera and other inedible parts from carcasses; split carcasses into smaller portions to facilitate handling; and may slaughter cattle, calves and sheep as prescribed by religious laws.

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- Industrial meat cutters cut beef, lamb, pork or veal carcasses or sides or quarters of carcasses into primal cuts for further cutting, processing or packaging; remove bones from meat; and cut meat and poultry into specific cuts for institutional, commercial or other wholesale use.
 - Poultry preparers slaughter poultry and remove inedible parts; remove feathers and singe and wash poultry to prepare for further processing or packaging.
 - Trimmers remove skin, excess fat, bruises or other blemishes from carcasses or meat portions.

Employment requirements

- Completion of secondary school may be required.
- For industrial meat cutters, completion of a program in industrial meat cutting or Experience as an industrial butcher or trimmer is required.
- On-the-job training is provided for industrial butchers, poultry preparers and trimmers.

Additional information

- Industrial meat cutters may progress to inspecting, testing and grading jobs.
- Progression to supervisory positions is possible with experience.

9463 Fish and seafood plant workers

This unit group includes fish and seafood plant machine operators who set up and operate machinery to process and package fish and seafood products, and fish and seafood plant cutters and cleaners who cut, trim and clean fish or seafood by hand. Fish and seafood plant workers are employed in fish and seafood processing plants.

Illustrative example(s)

- fish cake maker
- fish canning machine operator
- fish cleaner and cutter
- fish cutting machine operator - fish processing
- fish plant worker
- seafood preparer - fish and seafood processing
- shellfish processor
- shellfish shucker
- trimmer - fish processing

Exclusion(s)

- Labourers in fish and seafood processing (9618)
- Supervisors, food, beverage and associated products processing (9213)

Main duties

Fish and seafood plant machine operators perform some or all of the following duties:

- Set up and operate machines to clean, cut, cook, smoke, brine, dehydrate or otherwise process fish or seafood products
- Set up and operate machines to can, bag, box or otherwise package fish and seafood products
- Check products and packaging for defects and to ensure conformance to company standards and perform corrective machine adjustments as required
- Record production information such as quantity, weight, date and type of products packaged.

Fish and seafood plant cutters and cleaners perform some or all of the following duties:

- Cut, clean and trim fish or seafood prior to marketing or further processing
- Scrape away scales, cut fish, separate fillets and remove scrap parts using knife
- Check fish fillets to determine optimal number and size of fillet sections, cut sections according to specifications and place in container for weighing
- Disjoint and remove meat from lobsters or other crustaceans preparatory to canning or further processing.

Employment requirements

- Some secondary school education may be required.

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- On-the-job training is required.

Additional information

- Progression to supervisory positions is possible with experience.

9465 Testers and graders, food, beverage and associated products processing

Testers and graders in this unit group test or grade ingredients and finished food, beverage or associated products to ensure conformance to company standards. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, fish plants, meat plants, breweries and other food, beverage and associated products processing plants.

Illustrative example(s)

- beef grader
- beer tester
- cheese grader
- fish grader
- milk grader
- poultry grader
- product tester - food and beverage processing
- tobacco grader

Exclusion(s)

- Agricultural and fish products inspectors (2222)
- Quality control technologists and technicians (see 2211 Chemical technologists and technicians)
- Supervisors, food, beverage and associated products processing (9213)

Main duties

Testers and graders in this unit group perform some or all of the following duties:

- Take samples of products at various stages of processing
- Examine ingredients or finished products by sight, touch, taste and smell or weigh materials to ensure conformance to company standards
- Conduct routine tests for product specifications such as colour, alcohol content, carbonation, moisture content, temperature, fat content and packaging
- Grade or sort raw materials or finished products
- Ensure hygiene and sanitation practices conform to policies and regulations
- Advise supervisors of ingredient or product deficiencies.

Employment requirements

- Completion of secondary school may be required.
- Experience as a machine operator or labourer in the food, beverage and associated products processing industry may be required.
- On-the-job training is usually provided.

Additional information

- There is little mobility among the various types of testers and graders in this unit group.
- Progression to supervisory positions is possible with experience.

947 Printing equipment operators and related occupations

9471 Plateless printing equipment operators

This unit group includes workers who operate laser printers, computerized high speed colour copiers and other printing machines to print text, illustrations and designs on a wide variety of materials such as paper, plastic, glass, leather, and metal. They are employed in rapid printing services, newspaper and magazine publishing companies, commercial printing companies and in manufacturing and other establishments that have in-house printing facilities.

Illustrative example(s)

- colour copier operator
- electronic sign maker operator
- embossing-imprinting machine operator
- laser printer operator
- printing machine operator - printing
- quick print machine operator
- silk-screen printing machine operator
- wallpaper printer

Exclusion(s)

- Printing press operators (7381)
- Supervisors, printing and related occupations (7303)
- Textile printing machine operators (see 9441 Textile fibre and yarn, hide and pelt processing machine operators and workers)

Main duties

Printing machine operators perform some or all of the following duties:

- Review work order to determine job specifications, such as ink colour and quantity required
- Set up and make adjustments to printing machine, such as filling ink or paint reservoirs and loading stock
- Input codes and key in programming data on console keyboard of computerized machines
- Operate and monitor printing machines during print run and make adjustments as required
- Clean machines and replace worn parts.

Employment requirements

- Completion of secondary school may be required.
- Completion of college or other specialized courses in printing may be required.
- On-the-job training is provided.

9472 Camera, platemaking and other prepress occupations

This unit group includes prepress technicians who operate various computer controlled systems to perform prepress activities and workers who operate graphic arts cameras and scanners, assemble film and negatives and prepare, engrave and etch printing plates or cylinders for various types of printing presses. They are employed in firms that specialize in colour graphics or platemaking and cylinder preparation, commercial publishing and printing companies, newspapers, magazines, and in various establishments in the public and private sectors that have in-house printing departments.

Illustrative example(s)

- camera operator - graphic arts
- cylinder preparer - printing
- dot etcher - printing
- file preparation operator
- film stripper-assembler
- platemaker - printing
- pre-flight operator - printing
- prepress technician
- printing plate engraver
- proofmaker
- screenmaker
- studio-image-processing system operator

Exclusion(s)

- Desktop publishing operators (see 1423 Desktop publishing operators and related occupations)
- Graphic arts technicians (5223)
- Graphic designers and illustrators (5241)

- Photographic and film processors (9474)
- Supervisors, printing and related occupations (7303)

Main duties

The following is a summary of main duties for some occupations in this unit group:

- Graphic arts camera operators set up and adjust black and white or colour separation process cameras to convert graphic art and photographs into film for assembly and exposure onto printing plates or cylinders.
- Cylinder preparers grind and polish press cylinders; expose and lay down carbon tissue; and etch or engrave cylinders using hand tools, etching machines, photogravure or laser processes to produce cylinders for gravure presses.
- Film strippers and assemblers assemble and position, either using automated equipment or by hand, pieces of film containing all parts of a printing job to produce flats or composite negatives for preparing printing plates or cylinders.
- Platemakers operate vacuum frames, plate processors and step and repeat machines to produce printing plates for various types of presses.
- Prepress technicians operate various computer-controlled studio systems to perform colour separation, retouching and editing that allow changes to be made to a colour negative for printing purposes, plan page layouts and electronically alter shape, size and positions of illustrations and text.
- Scanner operators operate computerized scanning machines or digital cameras to make colour separations and corrections from colour copy or transparencies for use in preparing film, digital files, printing plates or cylinders.
- Proofmakers operate computerized equipment to prepare film, laser or dylux proofs for quality control purposes or for customers' review.

Employment requirements

- Completion of secondary school is required.
- Completion of a college program in graphic arts technology or
A combination of on-the-job training and specialized college, industry or other courses is required.
- Trade certification for some occupations in this group is available, but voluntary, in Ontario, Alberta, the Northwest Territories and Nunavut.

9473 Binding and finishing machine operators

Binding and finishing machine operators set up, operate or oversee the operation of machines, equipment or computerized units that bind and finish printed material. Workers who perform finishing operations in the paper, carton and packaging industries, as well as those who encode and stamp plastic cards, are included in this unit group. They are employed by binderies, commercial printing companies, newspapers, magazines, and other publishing companies, and establishments in both the public and private sectors that have in-house printing, binding and finishing departments.

Illustrative example(s)

- binder - printing
- binder and finisher
- bindery operator
- bookbinder, machine
- bookbinding machine operator
- Cerlox binder operator
- cutter operator - printing
- finishing machine operator - printing
- foil stamper - printing
- gathering machine set-up operator - printing
- gold leaf stamper
- laminating machine operator
- perforator operator - printing
- stitcher operator - printing

Exclusion(s)

- Feeders, loaders, offbearers and similar occupations (see 9619 Other labourers in processing, manufacturing and utilities)
- Hand bookbinders (see 5244 Artisans and craftspersons)
- Printing press operators (7381)
- Supervisors, printing and related occupations (7303)

Main duties

Binding and finishing machine operators perform some or all of the following duties:

- Set up and operate specialized equipment and machines that cut, fold, gather and bind or finish brochures, pamphlets, business forms, magazines, books and other printed material
- Set up and operate specialized equipment and machines that die cut, emboss, imprint, laminate, heat stamp and perform other finishing operations on printed material
- Perform pre-production runs of binding or finishing jobs to verify output and to ensure that product specifications are met
- Operate automatic and semi-automatic equipment and machines to bind or finish print material according to specifications
- Pack, weigh and stack bound and finished products on pallet for shipment
- May repair and rebind damaged or worn books.

Employment requirements

- Completion of secondary school is usually required.
- Completion of a college program in graphic arts technology
or
A combination of on-the-job training and specialized college, industry or other courses is usually required.

Additional information

- There is some mobility among various types of binding and finishing machine operator occupations in this group.
- Progression to supervisory positions is possible with experience.

9474 Photographic and film processors

Photographic and film processors process and finish still photographic film and motion picture film. They are employed in film processing laboratories and retail photofinishing establishments.

Illustrative example(s)

- darkroom technician
- film developer
- film printing machine operator
- film processor
- photofinisher
- photograph developer
- photograph inspector - photographic processing
- photographic processor

Exclusion(s)

- Film strippers and assemblers and negative retouchers in the printing or graphic arts industry (see 9472 Camera, platemaking and other prepress occupations)
- Supervisors of photographic and film processors (see 7303 Supervisors, printing and related occupations)

Main duties

Photographic and film processors perform some or all of the following duties:

- Operate equipment to develop negatives and slides, and to print black and white and colour photographs
- Operate photographic enlarging equipment to produce prints and enlargements from negatives
- Operate equipment to develop motion picture film

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- Tend automatic equipment in retail establishments to develop colour negatives, prints and slides
 - Operate equipment to transfer film to video tape
 - Retouch photographic negatives or original prints to correct defects
 - Splice film and mount film on reels
 - Measure and mix chemicals required for processing
 - Inspect rolls of photographic prints for conformance to specifications; or motion picture film to detect defects in developing and printing.

Employment requirements

- Completion of secondary school is usually required.
- For employment in film processing laboratories, completion of a college or other specialized photography program or
Extensive related experience is required.
- For employment as a film printing machine operator in retail outlets, on-the-job training is provided.

Additional information

- There is mobility among occupations within laboratory processing operations.
- Progression is possible from automatic machine tenders in retail establishments to laboratory processing occupations.

95 Assemblers in manufacturing

952 Mechanical, electrical and electronics assemblers

9521 Aircraft assemblers and aircraft assembly inspectors

Aircraft assemblers assemble, fit and install prefabricated parts to manufacture fixed wing or rotary wing aircraft or aircraft subassemblies. Aircraft assembly inspectors inspect aircraft assemblies for adherence to engineering specifications. They are employed by aircraft and aircraft subassembly manufacturers.

Illustrative example(s)

- aircraft assembler
- aircraft inspector, assembly
- airframe assembler
- bench and structural assembler
- bench fitter mechanic - aircraft assembly
- rigger - aircraft assembly
- wing tank mechanic - aircraft assembly

Exclusion(s)

- Aircraft engine assemblers (see 7316 Machine fitters)
- Aircraft mechanics and aircraft inspectors (7315)
- Aircraft painters (see 9536 Industrial painters, coaters and metal finishing process operators)
- Avionics and aircraft electronic equipment installers (see 2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors)
- Supervisors of aircraft assemblers or inspectors (see 9226 Supervisors, other mechanical and metal products manufacturing)

Main duties

Aircraft assemblers perform some or all of the following duties:

- Read and interpret aircraft assembly diagrams
- Assemble and fit pre-fabricated parts to form subassemblies, working at benches or directly on an aircraft structure
- Assemble, fit and install pre-fabricated parts and subassemblies such as aircraft skins, flight controls, rigging, hydraulics and other mechanical systems.

Aircraft assembly inspectors perform some or all of the following duties:

- Inspect aircraft assemblies, using measuring and testing equipment, for adherence to engineering specifications
- Inspect assemblies for alignment, symmetry, dimensions, fit and quality of workmanship
- Complete detailed inspection documentation.

Employment requirements

- Completion of secondary school is required.
- Completion of a college or other program in aviation or aeronautical technology, with emphasis in aircraft manufacturing, may be required.
- Aircraft assemblers receive several months of on-the-job and classroom training.
- Aircraft assembly inspectors require experience as an aircraft assembler.

Additional information

- Aircraft assemblers and assembly inspectors may progress to supervisory positions with experience.

9522 Motor vehicle assemblers, inspectors and testers

Motor vehicle assemblers assemble and install prefabricated motor vehicle parts and components to form subassemblies and finished motor vehicles. Motor vehicle inspectors and testers inspect and test parts, subassemblies, accessories and finished products to ensure proper performance and conformity to quality standards. They are employed in plants which manufacture automobiles, vans and light trucks.

Illustrative example(s)

- assembly inspector - motor vehicle manufacturing
- auto assembly worker
- body assembler - motor vehicle manufacturing
- car assembler
- chassis inspector - motor vehicle manufacturing
- door fitter
- motor vehicle assembler
- sport utility vehicle (SUV) assembler
- test driver - automobile assembly
- transmission installer
- van assembler

Exclusion(s)

- Assemblers of heavy trucks, trailers and buses (see 9526 Mechanical assemblers and inspectors)
- Automobile assembly painters and coaters (see 9536 Industrial painters, coaters and metal finishing process operators)
- Automotive engine, clutch and transmission assemblers (see 9526 Mechanical assemblers and inspectors)
- Mechanical repairers, automobile manufacturing (see 7321 Automotive service technicians, truck and bus mechanics and mechanical repairers)
- Supervisors, motor vehicle assembling (9221)

Main duties

Motor vehicle assemblers perform some or all of the following duties:

- Read electrical schematics, blueprints and other technical diagrams
- Bolt, screw, clip, weld, solder or otherwise fasten motor vehicle parts and components together using hand and power tools and equipment
- Operate and tend automated assembling equipment such as robotic and fixed automation equipment
- Connect cables, tubes and wires to complete assemblies and installations
- Position and install parts, subassemblies and accessories such as engines, transmissions, door panels or instrument panels using hand and power tools and other aids like overhead hoists
- Fit and adjust parts such as doors, hoods and trunk lids.

Motor vehicle inspectors and testers perform some or all of the following duties:

- Check motor vehicle exterior priming and colour coats, sealers and glazers, and mark, record and report defects to be repaired
- Test motor vehicle electrical assemblies, equipment and wiring for proper performance using testing devices such as meters, analyzers and timing lights
- Inspect auto parts and fully assembled motor vehicles for defects and to ensure that previously noted defects have been corrected
- Drive and test motor vehicles on roll testing device to ensure that transmission, axle, engine and brakes function properly.

Employment requirements

- Completion of secondary school is usually required.
- Skills required for occupations in this unit group are normally acquired through on-the-job training.

Additional information

- Mobility is possible to jobs in the same production department.
- Progression to supervisory positions is possible with experience.

9523 Electronics assemblers, fabricators, inspectors and testers

Electronics assemblers and fabricators assemble and fabricate electronic equipment, parts and components. Electronics inspectors and testers inspect and test electronic and electromechanical assemblies, subassemblies, parts and components to ensure conformance to prescribed standards. They are employed in electronics manufacturing plants.

Illustrative example(s)

- capacitor assembler
- circuit board assembler
- component inserting machine operator
- crystal final tester
- electronics assembler
- electronics inspector - electronic equipment manufacturing
- finished product inspector - electronic equipment manufacturing
- inspector, printed circuit board (PCB) assembly
- precision instrument assembler - electronic equipment manufacturing
- surface mount assembler
- tester, electronic components
- through-hole assembler
- wafer fabrication operator
- wave soldering machine operator
- wiring and assembly operator

Exclusion(s)

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (9524)
- Electrical and electronics engineering technologists and technicians (2241)
- Electronic service technicians (household and business equipment) (2242)
- Supervisors, electronics manufacturing (9222)

Main duties

Electronics assemblers perform some or all of the following duties:

- Solder and manually assemble various electronic components such as resistors, diodes, transistors, capacitors, integrated circuits, switches, wires and other electronic parts to designated locations on printed circuit boards
- Assemble microcircuits requiring fine hand assembly, the use of microscopes and adherence to cleanroom procedures

- Install, mount, fasten, align and adjust parts, components, wiring and harnesses to subassemblies and assemblies using hand and small power tools
- Operate automatic and semi-automatic machines to position, solder and clean prescribed components on printed circuit boards
- May replace defective components and repair and overhaul older devices.

Electronics fabricators perform some or all of the following duties:

- Operate and monitor process equipment including automatic and semi-automatic machines to fabricate electronic components, solder, clean, seal and stamp components and perform other process operations as specified
- Set up process equipment and adhere to cleanroom procedures as required.

Electronics inspectors perform some or all of the following duties:

- Inspect electronic components and assemblies to ensure correct component selection and placement, wiring and soldering quality, proper pin insertions, location and diameter of plated holes, breaks in circuitry and line spacing in printed circuit board and other specified requirements while products are being assembled or fabricated
- Check final assembly for finish, labelling and packaging methods
- Check mechanical dimensions and perform "go-no-go" electrical tests
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results
- Investigate equipment malfunction and instruct on proper operation.

Electronics testers perform some or all of the following duties:

- Operate various test equipment and tools to perform simple electrical and continuity testing of electronic components, parts and systems
- Set up and operate automatic testing equipment to locate circuit and wiring faults, shorts and component defects
- Compare test results to specifications and set parts or products aside for repair or replace components or parts as indicated by test equipment
- May conduct life tests (burn-ins) on components, subassemblies and assemblies
- Maintain test result reports.

Employment requirements

- Completion of secondary school is usually required for electronics assemblers, fabricators, inspectors and testers.
- On-the-job training is usually provided for occupations in this unit group.
- A two-year apprenticeship and voluntary trade certification is available for electronics assemblers in Ontario and Saskatchewan.
- Electronics testers may require post-secondary courses in basic electronic theory, testing techniques and testing equipment.
- Electronics inspectors and testers may require experience as an electronics assembler or component fabricator.

Additional information

- Progression from electronics assembler or component fabricator to electronics inspector or tester is possible with additional training and experience.

9524 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing

Assemblers in this unit group assemble prefabricated parts to produce household, commercial and industrial appliances and equipment. Inspectors in this unit group inspect and test assembled products. Workers who set up and prepare assembly lines for operation are included in this unit group. Workers in this unit group are employed by electrical appliance and electrical equipment manufacturing companies.

Illustrative example(s)

- assembler, electrical appliances

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- circuit breaker assembler
 - clothes dryer assembler, electric
 - coffee maker assembler
 - dishwasher assembler
 - hair dryer assembler
 - inspector, electrical appliance assembly
 - inspector, electrical controls assembly
 - lawn mower assembler, electric
 - production assembler, electrical equipment
 - refrigerator assembler, electric

Exclusion(s)

- Appliance servicers and repairers (7332)
- Assemblers of electronic products, such as television, radios and computers (see 9523 Electronics assemblers, fabricators, inspectors and testers)
- Assemblers of heavy-duty electrical motors, transformers and related equipment (see 9525 Assemblers, fabricators and inspectors, industrial electrical motors and transformers)
- Electrical mechanics (7333)
- Machine operators and inspectors, electrical apparatus manufacturing (9527)
- Supervisors, electrical products manufacturing (9223)

Main duties

Assemblers in this unit group perform some or all of the following duties:

- Assemble prefabricated parts on an assembly line, or at work benches using screw guns and other hand and power tools
- Assemble small and large household electrical appliances such as coffeemakers, toasters, vacuum cleaners, lawnmowers, refrigerators and dishwashers
- Assemble small transformers, small electrical motors and transmissions used in appliances or other electrical products
- Assemble circuit breakers, switches or other electrical control equipment and position and fasten components such as springs, toggles or other parts into assembly casings
- Wind coils and armatures for small electric motors and transformers
- Perform minor repairs to products rejected from production assembly line
- Set up assembly line with materials and supplies required for production, and set up and adjust production tools.

Inspectors and testers in this unit group perform some or all of the following duties:

- Check products at different stages of production for visual defects and faulty electrical and mechanical connections, or operate automatic or other testing equipment to ensure product quality
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.
- Some types of inspectors may require completion of a college program in electronics.

Additional information

- With experience assemblers may progress to inspecting and testing positions.
- Progression to supervisory positions is possible with experience.

9525 Assemblers, fabricators and inspectors, industrial electrical motors and transformers

This unit group includes workers who assemble, fabricate, fit, wire and inspect heavy-duty industrial electrical equipment. They are employed by manufacturers of industrial electric motors, transformers, control equipment, railway locomotives, transit vehicles and other heavy electrical equipment.

Illustrative example(s)

- assembler and wirer, motors and generators
- assembler, switchgear and control panel
- coil winder, transformer
- control panel assembler
- electrical fitter
- fitter-assembler, AC (alternating current) and DC (direct current) motors
- inspector and tester, AC and DC motors
- inspector, electrical control panel
- panelboard assembler - industrial electrical equipment
- power transformer assembler
- switchgear fitter-wirer
- transformer inspector
- transformer winder
- winder, AC and DC armatures
- wirer, electrical switchgear panels

Exclusion(s)

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (9524)
- Electrical mechanics (7333)
- Electrical technicians who test heavy-duty electric motors, transformers or other industrial electrical equipment (see 2241 Electrical and electronics engineering technologists and technicians)
- Supervisors, electrical products manufacturing (9223)

Main duties

Assemblers in this unit group perform some or all of the following duties:

- Assemble and fit metal and other prefabricated parts to close tolerances according to blueprints to build heavy-duty electric motors or transformers
- Assemble stators or armatures for heavy-duty electric motors; compress steel laminations to build transformer cores; assemble windings into core using overhead cranes and make electrical connections using crimping, brazing and soldering equipment
- Assemble and fit electrical motor or transformer auxiliary equipment such as bushings, tap changes, conduit boxes, heating devices, protective equipment and cooling equipment
- Set up and adjust production machinery and equipment, such as coil winding machines, for the manufacture of heavy-duty electrical equipment
- May perform basic tests on electric motors.

Electrical fitters and wirers perform some or all of the following duties:

- Interpret engineering drawings, electrical schematics and blueprints
- Fit motor starters, contactors, capacitors, circuit breakers, voltage regulators, printed circuit boards or other electrical control devices into switchboards and panelboards to produce automated processing control equipment, electrical distribution panels, or other industrial electrical control equipment
- Wire electrical connections for switchboards and panelboards
- Assemble panelboard and switchboard cabinets and install bus bars used to carry heavy electrical current
- May operate metal fabricating equipment to fabricate or modify bus bars.

Inspectors in this unit group perform some or all of the following duties:

- Monitor production and troubleshoot production problems
- Check final assembly of electric motors, transformers or control equipment for adherence to quality control standards
- Collect, record and summarize inspection results.

Employment requirements

- Completion of secondary school is usually required.
- College courses in electricity or electro-technology may be required.
- Several years of on-the-job training are usually provided.
- Set-up persons, inspectors and leadhands in this unit group may require experience as an assembler, fitter or wiper in the same company.

Additional information

- Progression to supervisory positions is possible with experience.

9526 Mechanical assemblers and inspectors

Assemblers in this unit group assemble a wide variety of mechanical products such as trucks, buses, snowmobiles, garden tractors, automotive engines, transmissions, outboard motors, gearboxes, hydraulic pumps and sewing machines. Inspectors in this unit group check and inspect subassemblies and finished products to ensure proper quality and product specifications. They are employed by machinery and transportation equipment manufacturers and by other manufacturing companies.

Illustrative example(s)

- automotive engine assembler
- garden machinery assembler
- gearbox assembler
- gearcase assembler
- hydraulic hoist assembler
- mechanical assembler
- sewing machine assembler
- snowmobile assembler
- tractor assembler
- transmission assembler
- truck assembler
- truck assembly inspector
- truck trailer assembler
- vending machine assembler

Exclusion(s)

- Aircraft assemblers and aircraft assembly inspectors (9521)
- Industrial machinery, heavy equipment and aircraft engine assemblers (see 7316 Machine fitters)
- Motor vehicle assemblers, inspectors and testers (9522)
- Supervisors of mechanical assemblers and inspectors (see 9226 Supervisors, other mechanical and metal products manufacturing)

Main duties

Assemblers in this unit group perform some or all of the following duties:

- Assemble, fit and install prefabricated parts to form subassemblies or finish products using hand and power tools
- Position, align and adjust parts for proper fit and assembly and connect cables, tubes and wires
- Fasten parts together using bolting and riveting equipment or other fastening and joining techniques
- Operate or tend automated assembling equipment, such as robotics and fixed automation equipment
- Operate small cranes to transport or position larger parts as required.

Inspectors in this unit group perform some or all of the following duties:

- Check subassemblies and inspect finished products for proper quality
- Check mechanical assemblies and subassemblies for alignment and proper functioning
- Test and check electrical assemblies and wiring for proper connections
- Perform minor adjustments and repairs.

Employment requirements

- Some secondary school education is required.
- Up to two years of on-the-job training are provided.
- Experience as a mechanical assembler may be required for inspectors in this unit group.

Additional information

- There is little or no mobility among the various assemblers and inspectors in this unit group.
- Progression to supervisory positions is possible with experience.

9527 Machine operators and inspectors, electrical apparatus manufacturing

Machine operators in this unit group operate machinery or equipment to fabricate complete products or parts for use in the assembly of electrical appliances and equipment, and electrical apparatus, such as batteries, fuses and plugs. Inspectors in this unit group inspect and test completed parts and production items. Workers in this unit group are employed by electrical appliance and electrical equipment manufacturing companies.

Illustrative example(s)

- assembly machine setter - electrical equipment manufacturing
- dry cell charge machine operator
- epoxy coating machine operator
- inspector, electrical dry battery
- inspector, electrical light bulbs
- machine operator - electrical equipment manufacturing
- machine set-up operator - electrical appliance manufacturing
- production line battery repairer - electrical equipment manufacturing

Exclusion(s)

- Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing (9524)
- Supervisors, electrical products manufacturing (9223)

Main duties

Machine operators in this unit group perform some or all of the following duties:

- Operate machinery to assemble, test or package dry cell batteries
- Position lead acid storage batteries on assembly line and insert battery contents into casing
- Operate machinery, such as pasting and stacking machines, to fabricate plates for lead acid storage batteries
- Load machinery with glass tubes, bulbs and other parts used to produce incandescent, fluorescent and other types of light bulbs and tubes, and remove and pack finished product
- Operate or feed machinery and equipment to produce electrical wiring devices such as fuses, plugs, caps, sockets, connectors and switches
- Operate equipment to apply protective coatings to items such as freezer cabinets, small electric motors or transformer assemblies
- Perform minor repairs to items rejected from production line
- Set up and adjust production machinery and equipment for operation.

Inspectors and testers in this unit group perform some or all of the following duties:

- Check in-process and completed production items for visual or mechanical defects or operate testing equipment to maintain quality of products
- Identify and mark acceptable and defective assemblies and return faulty assemblies to production for repair
- Collect, record and summarize inspection results.

Employment requirements

- Some secondary school education is usually required.
- On-the-job training is provided.
- Inspectors may require experience as an assembler in the same company.

Additional information

- With experience, machine operators may progress to inspecting and testing positions.
- Progression to supervisory positions is possible with experience.

953 Other assembly and related occupations**9531 Boat assemblers and inspectors**

Boat assemblers assemble wooden, fibreglass and metal boats, such as sailboats, motorboats, canoes and cabin cruisers. Boat inspectors check assembled boats to ensure proper product quality. They are employed by boat and marine craft manufacturing companies.

Illustrative example(s)

- aluminum boat assembler
- boat assembler
- boat inspector
- canoe assembler
- fibreglass boat assembler
- motorboat assembler
- sailboat assembler

Exclusion(s)

- Builders of customized wooden boats and wooden shipwrights (see 7271 Carpenters)
- Canoe builders (see 5244 Artisans and craftspersons)
- Helpers and labourers in boat assembly (see 9619 Other labourers in processing, manufacturing and utilities)
- Marine repair technicians (see 7384 Other trades and related occupations, n.e.c.)
- Supervisors of boat assemblers and inspectors (see 9227 Supervisors, other products manufacturing and assembly)
- Workers who fabricate, assemble and fit steel and other metal components to build ships (see 7235 Structural metal and platework fabricators and fitters)

Main duties

Boat assemblers perform some or all of the following duties:

- Cut, shape and join timber pieces or assemble pre-cut timber pieces to make a wooden boat using hand and power tools
- Assemble prefabricated parts and sections of fibreglass, metal or other material to form complete boat
- Caulk decks and hulls using caulking gun
- Install trims, rudders, seats, engine mounts and other accessories using hand tools
- May repair boats.

Boat inspectors perform some or all of the following duties:

- Inspect assembled boats for defects and conformance to quality standards
- Mark defects to be repaired
- Make minor adjustments and repairs
- Record information on products inspected.

Employment requirements

- Some secondary school education may be required.
- Completion of college or other courses in boat building may be required.
- On-the-job training is provided.
- Experience as a helper or labourer in the same company may be required for boat assemblers.
- Experience as a boat assembler may be required for boat inspectors.

Additional information

- Progression to supervisory positions is possible with experience.

9532 Furniture and fixture assemblers and inspectors

Assemblers in this unit group assemble parts to form subassemblies or complete articles of furniture and fixtures. Inspectors in this unit group inspect furniture and fixture subassemblies and finished products to ensure product quality. They are employed by furniture manufacturing companies.

Illustrative example(s)

- assembly inspector - furniture manufacturing
- chair assembler
- desk assembler
- fixture assembler
- furniture assembler
- furniture inspector
- metal furniture assembler
- table assembler
- wood furniture assembler

Exclusion(s)

- Furniture finishers and refinishers (9534)
- Other wood products assemblers and inspectors (9533)
- Supervisors of workers in this unit group (see 9224 Supervisors, furniture and fixtures manufacturing)
- Woodworking machine operators (9437)

Main duties

Assemblers in this unit group perform some or all of the following duties:

- Prepare, sand and trim wooden furniture and fixture parts using hand and power tools
- Assemble wooden or metal furniture and fixture parts to form subassemblies and complete articles using hand and power tools
- Assemble a combination of parts made of wood, metal, plastic, cane or other materials to form subassemblies or complete furniture articles
- Reinforce assembled furniture and fixtures with dowels or other supports
- Install hardware such as hinges or clasps on furniture and fixtures.

Inspectors in this unit group perform some or all of the following duties:

- Inspect furniture and fixture subassemblies and finished products for conformance to quality standards
- Mark defective parts or products for repair
- Make minor adjustments and repairs
- Record information on products inspected.

Employment requirements

- Some secondary school education may be required.
- On-the-job training is provided.
- Experience as a labourer in the same company may be required.

Additional information

- Mobility is possible between jobs in this unit group.
- Progression to supervisory positions is possible with experience.

9533 Other wood products assemblers and inspectors

Assemblers in this unit group assemble a variety of wood products and millwork, such as window sashes and doors. Inspectors in this unit group inspect wood products to ensure product quality. They are employed by establishments engaged in manufacturing a variety of wood and millwork products.

Illustrative example(s)

- bench assembler, wood products
- crate builder, wood

- manufactured housing production worker
- millwork assembler
- pallet maker, wood
- prefabricated housing assembler
- sash and door inspector
- wood products assembler
- wood products assembling inspector
- wooden box assembler
- wooden door maker

Exclusion(s)

- Cabinetmakers (7272)
- Carpenters (7271)
- Furniture and fixture assemblers and inspectors (9532)
- Labourers in wood products manufacturing (see 9619 Other labourers in processing, manufacturing and utilities)
- Supervisors, other products manufacturing and assembly (9227)
- Woodworking machine operators (9437)

Main duties

Assemblers in this unit group perform some or all of the following duties:

- Read production orders and diagrams
- Trim and sand joints, moulding, or other wooden parts to be assembled using hand and power tools
- Assemble wood products such as window sashes, doors, boxes, pallets, ladders and barrels using glue, staples, screws, bolts or other fasteners
- Assemble door panels, trusses, modular components and other parts on assembly line to make prefabricated housing using jigs, overhead cranes and hand and power tools
- Reinforce assembled products with dowelling or other supports, and install hardware such as knobs and hinges
- May assist with maintenance of machinery.

Inspectors in this unit group perform some or all of the following duties:

- Inspect wood products for conformance to quality standards
- Mark defective parts or products for repair
- Make minor adjustments and repairs
- Record information on products inspected.

Employment requirements

- Some secondary school education may be required.
- Experience as a labourer in the same company may be required.
- Inspectors may require related assembly experience.
- On-the-job training is provided.

9534 Furniture finishers and refinishers

Furniture finishers finish new wood or metal furniture to specified colour and finish. They are employed in furniture manufacturing plants, retail furniture stores or refinishing and repair shops. Furniture refinishers refinish repaired, used or old furniture. They are employed in furniture refinishing and repair shops or they may be self-employed.

Illustrative example(s)

- finishing machine operator - furniture manufacturing
- furniture finisher
- furniture refinisher
- furniture stainer
- furniture stripper
- polisher, furniture - furniture finishing
- touch-up person - furniture finishing

- trimmer - furniture finishing
- wash-off operator - furniture finishing
- wood finisher - furniture finishing and refinishing

Exclusion(s)

- Painters and decorators (except interior decorators) (7294)
- Upholsterers (6345)

Main duties

Furniture finishers perform some or all of the following duties:

- Set up and operate finishing machines or finish furniture by hand
- Stain or finish wood to specified colour with stains, paints or other materials using brush or spray gun
- Apply toners, highlights, glazes or shaders to obtain desired finish
- Apply lacquer or other sealers
- Decorate wood surfaces or mark surfaces to create antique or other effects using hand and power tools
- Clean and polish furniture
- Sand metal furniture to prepare for finish and spray with paint or other materials.

Furniture refinishers perform some or all of the following duties:

- Strip old finish from wood surfaces using steel wool, sandpaper and solvents
- Smooth gouges with wood filler and sand wood
- Match colours to obtain original finish and apply appropriate finish to stripped wood
- Polish and wax refinished surfaces
- Sand or grind metal surfaces to prepare for coating, and paint metal surfaces using electrostatic method, spray gun or other painting equipment
- Make minor repairs to furniture
- May perform duties of furniture finisher.

Employment requirements

- Some secondary school education is required.
- College, high school or industry courses in furniture finishing or refinishing may be required.
- On-the-job training is provided.

9535 Plastic products assemblers, finishers and inspectors

This unit group includes workers who assemble, finish and inspect plastic parts and finished products. They are employed by plastic products manufacturing companies and plastic parts divisions of aircraft or other manufacturing companies.

Illustrative example(s)

- fibreglass laminator
- plastic bottle trimmer
- plastic parts assembler
- plastic products fabricator
- plastic products inspector and tester
- plastic tank assembler
- plastics assembler
- plastics inspector
- plastics trimmer
- skylight assembler - plastic products manufacturing

Exclusion(s)

- Labourers in rubber and plastic products manufacturing (9615)
- Plastics processing machine operators (9422)
- Rubber processing machine operators and related workers (9423)
- Supervisors, plastic and rubber products manufacturing (9214)

Main duties

Plastic products assemblers and finishers perform some or all of the following duties:

- Operate machines or equipment, or use hand tools to cut, shape, splice and fit plastic materials to form parts and assemblies
- Assemble composite materials on patterns to form parts and assemblies using bonding agents
- Operate spray-gun unit to apply resin mixtures to metal or wooden mould to form plastic products
- Load and operate autoclave oven to cure and bond plastic and composite parts and subassemblies
- Operate finishing equipment to trim, grind or buff plastic products into final form.

Plastic products inspectors perform some or all of the following duties:

- Inspect manufactured plastic products for defects and conformance to specifications and quality standards, visually or using instruments
- Affix seals or tags to approved plastic products and mark and reroute defective products for repair or recycle
- Prepare reports on products inspected
- Make minor adjustments and repairs to products
- May train or assist in training new workers.

Employment requirements

- Some secondary school education is usually required.
- Experience as a labourer in the same company may be required for assemblers, finishers and inspectors.
- On-the-job training is provided.

Additional information

- Mobility among the various workers in this unit group is possible.
- Progression to supervisory positions is possible with experience.

9536 Industrial painters, coaters and metal finishing process operators

Industrial painters and coaters operate and tend machines or use brushes and spray equipment to apply paint, enamel, lacquer or other non-metallic protective and decorative coatings to surfaces of various products. Metal finishing process operators operate machines or equipment to deposit metallized substances on workpieces and surfaces to provide decorative, protective and restorative coatings. These workers are employed by manufacturing companies and custom refinishing, coating and plating shops.

Illustrative example(s)

- automatic paint-sprayer operator
- automobile painter - motor vehicle manufacturing
- aviation painter
- ceramic and enamel refinisher
- coating machine operator - industrial painting and coating
- electrogalvanizing machine operator
- enameller - ship and boat building
- hot-dip galvanizer - metal plating
- industrial products painter
- metal coater operator
- metal electroplater
- painter, assembly line
- production painter-finisher
- spray paint operator

Exclusion(s)

- Autobody repair painters or repainters (see 7322 Motor vehicle body repairers)
- Construction painters (see 7294 Painters and decorators (except interior decorators))
- Etchers (see 9417 Machining tool operators)
- Furniture finishers and refinishers (9534)

- Supervisors of non-automotive metal finishing workers (see 9226 Supervisors, other mechanical and metal products manufacturing)
- Supervisors of paint department workers (see 9214 Supervisors, plastic and rubber products manufacturing)
- Supervisors of paint department workers (see 9221 Supervisors, motor vehicle assembling)

Main duties

Industrial painters and coaters perform some or all of the following duties:

- Select appropriate paint or mix paints using automated paint mixing equipment according to a pre-determined formula
- Operate or tend equipment to clean, wash, strip, sand, remove corrosion, fill dents or otherwise prepare items for application of paint, lacquer or other protective or decorative coatings
- Operate or tend automated spray paint, dip or flow coating equipment or other mechanized painting or product coating application equipment
- Operate hand-held spray guns to spray paint or coat stationary items or items on moving conveyor system with protective or decorative coatings
- Paint small items and apply touch-ups using paint brushes
- Clean and maintain painting and coating, ventilation, compressed air and personal protective equipment
- May prepare and apply stencils, computer-generated decals or other decorative items on finished products.

Metal finishing process operators perform some or all of the following duties:

- Prepare and mix metallizing solutions according to formulas or specifications
- Operate or tend equipment to clean, degrease, pickle and etch metal and non-metal surfaces to prepare workpieces with desired surface characteristics
- Tend automatic metal coating machines which convey objects through a series of cleaning, rinsing and plating solutions
- Operate and control electroplating equipment to coat metal and other workpieces
- Operate hot-dip metal plating equipment to galvanize metal and other workpieces
- Operate spray equipment to build up worn or damaged parts or to bond protective or decorative coatings on various objects
- Check proper thickness of plating using micrometers, calipers or other devices
- May operate equipment to polish metallic surfaces of products
- May tend ovens which cure metal coating.

Employment requirements

- Some secondary school education is usually required.
- Some experience in operating production machinery or equipment may be required.
- Several months of on-the-job training are usually provided.
- Some industrial painters, such as aviation painters, may require specialized training and certification or college courses.

Additional information

- Progression to supervisory positions is possible with experience.

9537 Other products assemblers, finishers and inspectors

This unit group includes assemblers, finishers and inspectors, not elsewhere classified, who assemble, finish and inspect components or products of various materials, such as jewellery, silverware, buttons, pencils, non-prescription lenses, brushes, clocks and watches, musical instruments, sporting goods, toys and other miscellaneous products. They are employed by a wide variety of manufacturing companies.

Illustrative example(s)

- antenna assembler
- bicycle assembler
- brush making machine operator
- button machine operator

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- camera assembly inspector
 - crayon making machine tender
 - eyeglass frame assembler
 - golf club assembler
 - jewellery annealer
 - jewellery inspector
 - lampshade assembler
 - piano assembly inspector
 - prism maker operator
 - skate press operator
 - sports ball moulder
 - stuffing machine tender
 - tennis ball maker operator
 - toy inspector
 - Venetian blind assembler
 - watch assembler

Exclusion(s)

- Supervisors, other products manufacturing and assembly (9227)

Main duties

Assemblers and finishers in this unit group perform some or all of the following duties:

- Operate machines or use hand tools to cut, shape and fit materials to form parts and to fabricate components or products
- Load supplies into hoppers of dispensing units or manually align, feed or otherwise place materials into machines
- Screw, clip, glue, bond, weld or otherwise assemble parts and components to form final products
- Sand, trim, grind or clean products into final form using hand tools
- Clean work stations and remove scraps, dust, shavings or other by-products from machinery and surrounding areas
- May make routine changes of dies, nozzles or other machinery attachments as required.

Inspectors in this unit group perform some or all of the following duties:

- Check manufactured items for defects and for conformance to specifications, visually or using sample models and instruments
- Affix seals or tags to approved items and return defective products for repair or recycle
- Complete reports on product inspection.

Employment requirements

- Some secondary school education is usually required.
- Experience as a manufacturing labourer in the same company may be required.
- On-the-job training is provided.

Additional information

- There is little or no mobility among the various assemblers and inspectors in this unit group.
- Progression to supervisory positions is possible with experience.

96 Labourers in processing, manufacturing and utilities

961 Labourers in processing, manufacturing and utilities

9611 Labourers in mineral and metal processing

Labourers in this unit group perform material handling, clean-up, packaging and other elemental activities related to mineral ore and metal processing. They are employed in mineral ore and metal processing plants such as copper, lead and zinc refineries, uranium processing plants, steel mills, aluminum plants, precious metal refineries, cement processing plants, clay, glass and stone processing plants and foundries.

Illustrative example(s)

- asbestos worker - mineral processing
- brick and tile kiln cleaner
- core shop labourer - foundry
- extrusion helper - primary metal processing
- furnace loader - primary metal and mineral products processing
- glass packer
- helper, fibreglass oven charger
- lime kiln operator helper - mineral products processing
- metal pourer helper
- rolling mill worker - primary metal processing
- salt screening labourer
- tailings disposal labourer - primary metal processing

Exclusion(s)

- Labourers in metal fabrication (9612)
- Machine operators and related workers in mineral and metal products processing and manufacturing (941)
- Supervisors, mineral and metal processing (9211)

Main duties

Labourers in mineral and metal processing perform some or all of the following duties:

- Transport raw materials, finished products, scrap and recyclable materials throughout plant manually or using forklift or other powered equipment
- Feed conveyors, crushers and other equipment; open valves and start pumps; skim dross from furnaces; sort, stack, bundle and stamp materials; and perform other activities to assist process and machine operators in mineral ore and metal processing
- Clean work areas and equipment
- May assist with minor repairs and maintenance.

Employment requirements

- Completion of secondary school may be required for some positions in this group.

Additional information

- Progression to machine and process operator positions is possible with experience.

9612 Labourers in metal fabrication

Labourers in this unit group remove excess metal and unwanted materials from metal parts, castings and other metal products and perform other labouring activities. They are employed in structural steel, boiler and platework fabrication plants, heavy machinery manufacturing plants, sheet metal fabrication shops, shipbuilding and other metal products manufacturing companies.

Illustrative example(s)

- blacksmith helper
- buffing machine tender - metal products manufacturing

- grinder-deburrer
- labourer - metal fabrication
- metal cleaner - metal products manufacturing
- metalworking machine helper
- plater helper - metal fabrication
- shipfitter helper
- shotblaster - metal fabrication
- wheelabrator operator - metal products manufacturing

Exclusion(s)

- Labourers in mineral and metal processing (9611)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Read and interpret work orders
- Operate metal cleaning equipment such as wheelabrators, deburrers and shotblasters to remove excess welds, rust, scale and other material from surfaces of metal parts, castings and other metal products
- Polish metal products to mirror finish
- Immerse metal products in cleaning solutions
- Assist structural steel and platework fitters, sheet metal workers, metalworking machine operators or other metal workers
- Transport raw materials and finished metal products manually or using hoists or other devices
- Sort metal sheets and parts, scrap metal and other materials
- Clean work areas and equipment
- Load and unload vehicles using hand truck or dolly
- May cut, grind or chip excess metal from metal products using hand tools.

Employment requirements

- Some secondary school education may be required.

Additional information

- There is some mobility among occupations in this unit group.
- Progression to metalworking machine operator positions is possible with experience.

9613 Labourers in chemical products processing and utilities

Labourers in this unit group carry out a variety of material handling, cleaning and routine general labouring activities. They are employed by petroleum and natural gas processing, pipeline and petrochemical, chemical and pharmaceutical companies, and by electrical, water and waste treatment utilities and services.

Illustrative example(s)

- cleaner, filter - chemical processing
- cleaner, still - chemical processing
- coating machine feeder - chemical processing
- helper - chemical processing
- labourer - gas utility
- loader - chemical processing
- retort unloader
- water intake tender
- waterworks labourer

Exclusion(s)

- Chemical plant machine operators (9421)
- Petroleum, gas and chemical process operators (9232)
- Supervisors, petroleum, gas and chemical processing and utilities (9212)
- Water and waste treatment plant operators (9243)

-
- Waterworks and gas maintenance workers (7442)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Feed and unload production machinery and equipment
- Clean chemical processing machines and equipment and production areas
- Move, sort and pile materials and products manually and using powered equipment
- Assist other workers to operate, repair and maintain process equipment, gas distribution, water filtration and waste plant equipment
- Perform general duties such as basic construction, painting and other manual tasks.

Employment requirements

- Completion of secondary school may be required.

Additional information

- Considerable mobility is possible among jobs in this unit group.
- Progression to operator positions in the chemical or utility industry is possible with experience and appropriate qualifications.

9614 Labourers in wood, pulp and paper processing

Labourers in this unit group carry out a variety of general labouring and routine wood processing activities and assist pulp mill and papermaking machine operators. They are employed by pulp and paper, and paper converting companies, sawmills, planing mills, wood treatment plants, waferboard plants and other wood processing companies.

Illustrative example(s)

- beater operator helper - pulp and paper
- chip bin attendant - wood processing
- conveyor cleaner - pulp and paper
- green wood chainman/woman - wood processing
- grinder feeder - pulp and paper
- labourer - pulp and paper
- labourer - wood processing
- lumber straightener - wood processing
- plywood dryer feeder
- sheeter helper - pulp and paper
- utility man/woman - pulp and paper

Exclusion(s)

- Machine operators and related workers in pulp and paper production and wood processing and manufacturing (943)
- Supervisors, forest products processing (9215)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Feed logs onto conveyor and into hopper of grinding machine and align logs manually, using crowbar, picaroon or other tools and equipment
- Load wood chips, pulpwood, sulphur and other processing materials onto conveyors or processing tanks, remove recyclable paper and pulp from pulp and papermaking machines and transport recyclable paper and pulp to plant processing machines and equipment using forklift or other powered equipment
- Sort, pile and transport lumber, veneer sheets, panelboards and similar wood products during various stages of wood processing, manually or with powered equipment
- Remove scrap lumber and wood chips for reprocessing using forklift or other powered equipment
- Feed conveyors, saws, drying machines and other equipment to process lumber, shingles, veneer, plywood and similar wood products

- Clean wood processing machines and equipment and work areas using shovels, hoses and other tools
- Assist other wood processing workers to operate, maintain and repair various machines and equipment and carry out other wood processing activities.

Employment requirements

- Completion of secondary school is required by the pulp and paper industry and by other large employers.

Additional information

- There is considerable mobility among jobs within individual establishments.
- Progression to machine or plant operating positions is possible with experience.

9615 Labourers in rubber and plastic products manufacturing

Labourers in this unit group assist machine operators, transport materials and perform similar tasks. They are employed by rubber and plastic products manufacturing companies.

Illustrative example(s)

- belt builder helper
- labourer - plastic products manufacturing
- labourer - rubber products manufacturing
- machine offbearer - rubber products manufacturing
- mould cleaner - rubber products manufacturing
- moulded products stripper - rubber and plastic products manufacturing
- roll changer - rubber manufacturing
- spreader operator helper - plastic products manufacturing

Exclusion(s)

- Plastic products assemblers, finishers and inspectors (9535)
- Plastics processing machine operators (9422)
- Rubber processing machine operators and related workers (9423)
- Supervisors, plastic and rubber products manufacturing (9214)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Assist machine operators or assemblers in performing their duties
- Assist in setting up and dismantling machinery and equipment
- Clean and lubricate machinery and equipment
- Transport materials and tools to and from work areas using hand trucks or other conveyance
- Prepare raw materials for mixing process
- Monitor machines to watch for jammed materials or defective products.

Employment requirements

- Some secondary school education is usually required.

Additional information

- Progression to machine operator or assembler positions in rubber and plastic products manufacturing is possible with experience.

9616 Labourers in textile processing

Labourers in textile processing perform a variety of manual duties to assist in processing fibres into yarn or thread, or to assist in weaving, knitting, bleaching, dyeing or finishing textile fabrics or other textile products. They are employed by textile manufacturing companies.

Illustrative example(s)

- doffer

- dyeing and finishing machine loader
- helper - textiles
- textile machine cleaner
- waste machine feeder
- yarn handler

Exclusion(s)

- Machine operators and related workers in textile, fabric, fur and leather products processing and manufacturing (944)
- Supervisors, other products manufacturing and assembly (9227)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

Main duties

Labourers in textile processing perform some or all of the following duties:

- Load and off-load machines
- Clean textile machines and work areas
- Push carts, trucks, or cans of fibres from one work area to another
- Assist machine operators and other textile workers as required.

Employment requirements

- Some secondary school education may be required.

Additional information

- Progression to machine operator positions is possible with experience.

9617 Labourers in food, beverage and associated products processing

Labourers in this unit group perform material handling, clean-up, packaging and other elemental activities related to food, beverage and associated products processing. They are employed in fruit and vegetable processing plants, dairies, flour mills, bakeries, sugar refineries, meat plants, breweries and other food, beverage and associated products processing and packaging plants.

Illustrative example(s)

- bottle-washing machine tender - food and beverage processing
- brewery labourer
- candy packer
- dairy helper - food and beverage processing
- food processing labourer
- frozen food packer
- meat packager
- nut sorter - food and beverage processing
- production helper - food and beverage processing
- tobacco processing labourer

Exclusion(s)

- Labourers in fish and seafood processing (9618)
- Process control and machine operators, food, beverage and associated products processing (9461)
- Supervisors, food, beverage and associated products processing (9213)

Main duties

Labourers in food, beverage and associated products processing perform some or all of the following duties:

- Transport raw materials, finished products and packaging materials throughout plant and warehouse manually, or with powered equipment
- Measure and dump ingredients into hoppers of mixing and grinding machines or mobile tank trucks
- Feed and unload food, beverage and associated products processing machines
- Feed flattened boxes into forming machines to construct containers

- Remove filled containers from conveyors and manually pack goods into bags, boxes or other containers
- Clean work areas and equipment
- Check products and packaging for basic quality defects
- Assist process control and machine operators in performing their duties.

Employment requirements

- Some secondary school education may be required.

Additional information

- There is some mobility among occupations in this unit group.
- Labourers in food, beverage and associated products processing may progress to machine or process operating positions with experience.

9618 Labourers in fish and seafood processing

Labourers in this unit group perform clean-up, packaging, material handling and other elemental activities related to fish and seafood processing. They are employed in fish and seafood processing and packaging plants.

Illustrative example(s)

- cannery labourer
- fish briner - fish processing
- fish plant labourer
- fish salter - fish processing
- fish weigher
- shellfish labourer
- shellfish packer - fish processing

Exclusion(s)

- Fish and seafood plant workers (9463)
- Foremen/women of workers in fish processing (see 9213 Supervisors, food, beverage and associated products processing)

Main duties

Labourers in fish and seafood processing perform some or all of the following duties:

- Unload fish and shellfish from fishing vessels and transport them by hand or forklift truck to work area in fish processing plant
- Immerse fresh fish fillets in brine solution to condition them for wrapping or freezing
- Weigh fish or shellfish, record weight and pack fish in ice
- Sort fish according to species, weight and destination
- Clean work areas and equipment
- Transport supplies and packaging materials throughout plant and storage area manually or with powered equipment
- Measure and dump ingredients into hoppers of mixing and grinding machines.

Employment requirements

- Some secondary school education may be required.

Additional information

- Progression to other occupations in the fish processing industry is possible with experience.

9619 Other labourers in processing, manufacturing and utilities

This unit group includes labourers, not elsewhere classified, who perform material handling, clean-up, packaging and other elemental activities in processing, manufacturing and utilities. They are employed by companies that manufacture products such as clothing, footwear, furniture and electrical and electronic products and by printing and packaging companies.

Illustrative example(s)

- bindery helper
- box packer
- carton marker
- chair sander
- clothing plant labourer
- electrical products labourer
- film cutter - film processing
- furniture packer
- garment folder
- labourer, shoe manufacturing
- lens blocker
- packager, machine
- seed packager
- sorter, recyclable materials
- upholsterer helper

Exclusion(s)

- Supervisors of labourers in this unit group (see 9227 Supervisors, other products manufacturing and assembly)
- Supervisors, textile, fabric, fur and leather products processing and manufacturing (9217)

Main duties

Labourers in this unit group perform some or all of the following duties:

- Transport raw materials, finished products and equipment throughout plant manually or using powered equipment
- Check and weigh materials and products
- Sort, pack, crate and package materials and products
- Assist machine operators, assemblers and other workers
- Clean work areas and equipment
- Perform other labouring and elemental activities.

Employment requirements

- Some secondary school education may be required.

Additional information

- There is some mobility among occupations in this unit group.
- Progression to machine operating positions is possible with experience.

Concordance tables

[NOC 2011 - NOC-S 2006](#)

[NOC-S 2006 - NOC 2011](#)

[NOC 2006 - NOC 2011](#) (See: <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Concordance.aspx>).

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9524	adjuster, coils - electrical equipment manufacturing	1221	administrative services co-ordinator
9522	adjuster, doors - motor vehicle manufacturing	0114	administrative services director
9522	adjuster, doors and deck lids - motor vehicle manufacturing	0114	administrative services manager
9523	adjuster, filament-winding machine	1221	administrative services officer
7445	adjuster, golf club heads	1211	administrative services supervisor
9522	adjuster, headlights - motor vehicle manufacturing	1221	administrative support officer
7311	adjuster, knitting machines - textile manufacturing	0114	administrative support services manager
9522	adjuster, line-up - motor vehicle manufacturing	1221	administrative technician
7445	adjuster, piano action	0411	administrative tribunal judge - government services
9537	adjuster, watch balance wheel	0511	administrator assistant, art gallery
9537	adjuster, watch escapement put-in-beat	0513	administrator in chief, leisure
1312	adjuster	0513	administrator in chief, recreation
6552	adjustment clerk	0512	administrator of studio and broadcasting station
4033	adjustment officer, school	1227	administrator of the court
0411	adjustment programs director - government services	0511	administrator, art gallery
3414	adjuvant	0311	administrator, blood bank
1221	administration analyst	0422	administrator, board of education
0114	administration and property management services director	0423	administrator, Chamber of Commerce
1221	administration officer	0423	administrator, child welfare services
1221	administration services co-ordinator	1227	administrator, court
4021	administration teacher	2172	administrator, data
1221	administrative analyst	2172	administrator, database
1242	administrative assistant - legal	0311	administrator, dental health services
1243	administrative assistant - medical	0421	administrator, education programs
1241	administrative assistant - office	1114	administrator, estate
1242	administrative assistant, commercial law	0511	administrator, historic sites
1242	administrative assistant, corporate law	0014	administrator, hospital
1242	administrative assistant, estate	0414	administrator, House of Commons
1242	administrative assistant, legal	0112	administrator, human resources
1242	administrative assistant, litigation	0513	administrator, leisure
1243	administrative assistant, medical	0511	administrator, museum
1242	administrative assistant, real estate	0311	administrator, nursing unit
1242	administrative assistant, trademarks	0111	administrator, pension plans
1241	administrative assistant	0114	administrator, records
1411	administrative clerk	0513	administrator, recreation
1452	administrative contract clerk	1221	administrator, reserve
1221	administrative co-ordinator	0411	administrator, social programs - government services
3132	administrative dietitian	0311	administrator, therapeutic services
4111	administrative judge	0411	administrator, traffic safety - government services
4112	administrative lawyer	0421	administrator, vocational school
0511	administrative librarian	0411	administrator, welfare services - government services
0114	administrative manager	0433	admiral
3132	administrative nutritionist	0311	admissions director - health care
1221	administrative officer	0421	admissions director - post-secondary education
1221	administrative planning officer	1221	admissions officer, post-secondary educational institution
0114	administrative records department manager	1414	admitting clerk
0114	administrative records manager	4164	adoption project officer
1241	administrative secretary	3216	adult echocardiographer
0114	administrative services chief	4166	adult education consultant
		0421	adult education dean

4166	adult education program officer	6235	adviser, loans
0413	adult education services director	4164	adviser, public assistance
4031	adult education teacher, secondary school	6561	adviser, weight loss
3234	advanced care paramedic	4112	advisory counsel
3234	advanced emergency medical assistant	4112	advocate, legal
3234	advanced life support attendant	9437	adzing and boring machine operator
3234	advanced life support co-ordinator	5232	aerial acrobat - entertainment
3234	advanced life support paramedic	2271	aerial crop duster
3124	advanced nurse practitioner	8252	aerial crop dusting service contractor
3124	advanced practice nurse	2255	aerial photograph analyst
3211	advanced registered technologist - medical laboratory	2255	aerial photograph interpreter
6531	adventure travel site interpreter	2255	aerial photograph technician
1513	advertisement delivery person - courier service	5221	aerial photographer
1123	advertising account executive	2271	aerial sprayer
1123	advertising account manager	7612	aerial spraying assistant
0124	advertising administrator	7612	aerial spraying lineman/woman
6411	advertising agency broker	2271	aerial survey flight supervisor
0124	advertising agency manager	2271	aerial survey pilot
0013	advertising agency president	2255	aerial survey technician
6411	advertising agent	2255	aerial survey technologist
4163	advertising analyst	7521	aerial tram operator
1123	advertising and promotions co-ordinator	5254	aerobics instructor
1123	advertising and promotions specialist	1215	aerodrome supervisor
5241	advertising art director	2111	aerodynamicist
5241	advertising art supervisor	2146	aerodynamics engineer
4021	advertising art teacher	7315	aero-engine mechanic
5241	advertising artist	7315	aero-engine technician
1452	advertising assistant	2255	aerological observer
1225	advertising buyer	2255	aerological technician
1123	advertising campaign organizer	3219	aeromedical instructor
1452	advertising clerk	3219	aeromedical technician
1213	advertising clerks supervisor	3219	aeromedicine technician
1435	advertising collector	2253	aeronautical draftsman
1123	advertising consultant	2146	aeronautical engineer
5121	advertising copywriter	2232	aeronautical technologist
5241	advertising designer	2111	aerophysicist
0124	advertising director	2146	aerospace engineer - design and development
5122	advertising editor	2146	aerospace engineer - flight operations
5241	advertising illustrator	2146	aerospace engineer - flight support
1513	advertising item delivery person - courier service	2146	aerospace engineer - flight test
5241	advertising layout designer	2146	aerospace engineer - mass properties
0124	advertising manager	2146	aerospace engineer - material stress
1452	advertising space measurer	2146	aerospace engineer - materials and processes
1224	advertising space officer	2146	aerospace engineer - propulsion systems
6411	advertising space representative - print media	2146	aerospace engineer - systems analysis
1123	advertising specialist	2146	aerospace engineer - systems
6411	advertising time sales representative	2146	aerospace engineer - weight and balance
5121	advertising writer	2146	aerospace engineer, structures
4164	adviser for the integration of persons with disabilities	2146	aerospace engineer
4033	adviser, academic	0211	aerospace engineering service head
1122	adviser, corporate development planning	2232	aerospace engineering technician
4112	adviser, law and corporate affairs	2232	aerospace engineering technologist
		2146	aerospace reliability specialist
		2111	aerospace research scientist
		2146	aerospace structural engineer

2146	aerospace systems engineer	2112	agricultural chemist
2146	aerospace test engineer	0212	agricultural chemistry branch director
1123	affiliated stations relations administrator	4021	agricultural college teacher
4164	affirmation action advisor	2123	agricultural consultant
7332	after-sales service technician - electrical appliances	4162	agricultural economist
0124	agency marketing department manager	2148	agricultural engineer
6523	agent ticket and information - airline	2231	agricultural engineering technician
1123	agent, actors	6221	agricultural equipment and supplies technical salesperson
1224	agent, apartment rental	9526	agricultural equipment assembler
1123	agent, athlete	9526	agricultural equipment assembly inspector
6521	agent, booking - travel agency	9526	agricultural equipment bench assembler
1123	agent, career	9526	agricultural equipment inspector
6523	agent, cargo - airline	7312	agricultural equipment technician
6523	agent, check-in - airline	2123	agricultural extension supervisor
6523	agent, commissary - airline	9526	agricultural implement gearcase assembler
6524	agent, counter sales - railway	9526	agricultural implements inspector
6523	agent, counter services - airline	4161	agricultural issues lobbyist
6221	agent, country grain elevator	2123	agricultural livestock specialist
6523	agent, customer sales - airline	7316	agricultural machinery builder
6523	agent, customer service - airline	7316	agricultural machinery fitter
1123	agent, entertainment	2114	agricultural meteorologist
6524	agent, freight - railway	0412	agricultural policy director - government services
6523	agent, load control - airline	2222	agricultural products inspector
6235	agent, loans	0412	agricultural products market development director - government services
1123	agent, musicians	0412	agricultural products market director
6523	agent, passengers - airline	0412	agricultural programs manager - government services
6524	agent, passengers - railway	2123	agricultural representative
6524	agent, passengers (except airline)	0212	agricultural representatives director
1123	agent, performers	0212	agricultural representatives regional manager
6221	agent, primary grain elevator	4021	agricultural school teacher
6524	agent, railway express	2221	agricultural sciences technician
6232	agent, real estate	2121	agricultural scientist
6523	agent, reservations - airline	2123	agricultural soil and crop specialist
6524	agent, reservations - railway	2123	agricultural specialist
1225	agent, right-of-way	2221	agricultural technician
1113	agent, securities	2221	agricultural technologist
6524	agent, ship cargo	4163	agriculture and food sector development consultant
1123	agent, singers	4163	agriculture and food sector marketing consultant
1123	agent, sports	8252	agriculture foreman/woman
6523	agent, station - airline	4011	agriculture professor - university
6523	agent, station services - airline	2123	agriculturist
1123	agent, talent	4163	agri-food sector development consultant
6523	agent, tickets - airline	4163	agri-food sector marketing consultant
6524	agent, tickets - bus line	2112	agrochemist
6524	agent, tickets - cruise line	2121	agrogeologist
6524	agent, tickets - transit station	2123	agrologist
6521	agent, travel information	2221	agrology technician
6521	agent, travel	2221	agrology technologist
9441	ager operator - textile manufacturing	2123	agronomist
9441	ager tender - textile manufacturing	2148	agronomy engineer
9411	agglomerating attendant, iron ore pellets		
9441	aging machine operator - textile manufacturing		
9441	aging machine tender - textile manufacturing		
2123	agricultural advisor		
4161	agricultural association analyst		

2221	agronomy technician	7611	air lock tender
2221	agronomy technologist	2271	air navigator
2148	agroprocessing engineer	2271	air patrol pilot
3414	aide, chiropractic	2271	air pilot
4214	aide, daycare	2271	air pilots and navigators supervisor
3413	aide, emergency room	2231	air pollution field technician
3413	aide, health care	2114	air quality meteorologist
3413	aide, hospital ward	7611	air tool operator
3413	aide, hospital	7611	air track drill operator helper
1451	aide, library	2272	air traffic control assistant
3212	aide, medical laboratory	2272	air traffic control chief
3413	aide, medical	2272	air traffic control officer
3413	aide, neuropsychiatric	2272	air traffic controller (ATC)
3413	aide, nursery - hospital	2272	air traffic controller, airport
4214	aide, nursery school	2272	air traffic controller, enroute
3414	aide, occupational therapy	2272	air traffic controller, terminal
3413	aide, operating room	2272	air traffic co-ordinator
3413	aide, patient care	2262	air transport inspector
3414	aide, pharmacy	1215	air transport operating staff supervisor
3237	aide, physical therapy	1215	air transport operations supervisor
3413	aide, psychiatric	1215	air transport operations support supervisor
4413	aide, remedial education	1526	air transport schedule analyst
3413	aide, special care - nursing	7441	air treatment installer
3237	aide, speech therapy	7445	air valve repairer, railway rolling stock
3237	aide, speech	9423	airbag and tube curer - rubber products manufacturing
3414	aide, supply, processing and distribution - medical	9423	airbag builder - rubber products manufacturing
3413	aide, surgical	9615	airbag extractor - rubber products manufacturing
4413	aide, teacher's		
9521	aileron fitter - aircraft assembly	2255	airborne data acquisition specialist
9423	air brake hose builder - rubber products manufacturing	5223	airbrush artist
7314	air brake inspector - railway car	9536	airbrush painter
7611	air breaker operator	9526	air-cooled engine assembler
2262	air carrier maintenance inspector	7335	air-cooled engine mechanic
9241	air compressor operator	7315	aircraft accessories mechanic
7445	air compressor repairer	7315	aircraft accessories overhaul mechanic
9524	air conditioner coil assembler	7315	aircraft accessories repairer
7441	air conditioner installer, window	7315	aircraft accessories repairman/woman
7332	air conditioner repairer - window unit	9521	aircraft assembler
7313	air conditioning and heating mechanic	9226	aircraft assembly foreman/woman
7301	air conditioning and refrigeration contractor	9226	aircraft assembly inspection foreman/woman
7313	air conditioning and refrigeration mechanic	9521	aircraft assembly inspector
7441	air conditioning installer, window	9521	aircraft assembly rigger
7612	air conditioning mechanic helper	9226	aircraft assembly supervisor
7301	air conditioning mechanics foreman/woman	2244	aircraft avionics technician
9241	air conditioning system operator	9521	aircraft bench assembler
2253	air conditioning systems draftsman	7315	aircraft body repairer
9524	air conditioning unit tester	7534	aircraft cleaner
6541	air courier guard	7315	aircraft composite and sheet metal repairer
6732	air duct cleaner	6345	aircraft custom upholsterer
6732	air duct cleaning technician	2146	aircraft design engineer
9537	air filter assembler	2244	aircraft electrical equipment inspector and tester
0731	air freight manager		
7611	air gun operator	2244	aircraft electrical mechanic
7611	air hammer operator - construction	2244	aircraft electrical system mechanic
9416	air hammer operator - metal forging	2244	aircraft electrical technician

2244	aircraft electrician	2244	aircraft maintenance engineer (AME) - avionics
2244	aircraft electronic equipment inspector and tester	7301	aircraft maintenance engineer (AME) chief
2244	aircraft electronic equipment installer	7315	aircraft maintenance engineer (AME) (except avionics)
2244	aircraft electronic system mechanic	7315	aircraft maintenance engineer (AME), mechanical systems
7301	aircraft engine assemblers foreman/woman	7315	aircraft maintenance engineer (AME), rotorcraft
7301	aircraft engine assembly foreman/woman	7315	aircraft maintenance engineer (AME), structures
7316	aircraft engine fitter	7315	aircraft maintenance engineer (except avionics)
7301	aircraft engine fitters foreman/woman	7301	aircraft maintenance engineers (AME) supervisor
7315	aircraft engine inspector	7315	aircraft maintenance mechanic apprentice
7315	aircraft engine mechanic	7301	aircraft maintenance mechanics foreman/woman - aircraft mechanical systems
7315	aircraft engine mechanical systems technician	7301	aircraft maintenance service supervisor
7301	aircraft engine overhaul foreman/woman	7301	aircraft maintenance supervisor - aircraft mechanical systems
7315	aircraft engine overhaul inspector, mechanical systems	7301	aircraft maintenance supervisor, mechanical systems
7315	aircraft engine overhaul inspector	7315	aircraft maintenance technician
7315	aircraft engine overhaul mechanic	7315	aircraft mechanic experimental
9417	aircraft engine parts machine tool set-up operator	7612	aircraft mechanic helper
7231	aircraft engine parts machinist	7315	aircraft mechanic learner
7315	aircraft engine repair and overhaul mechanic	7315	aircraft mechanic, engine accessories overhaul
7301	aircraft engine repair foreman/woman	7315	aircraft mechanic, engine overhaul
7315	aircraft engine tester	7315	aircraft mechanic, flight tests
9521	aircraft fabrication inspector	7315	aircraft mechanic, mechanical systems
9521	aircraft final assembly inspector	7315	aircraft mechanic, power plant
9521	aircraft fitter-assembler - aircraft assembly	7315	aircraft mechanic
6522	aircraft flight attendant	7315	aircraft mechanical and fuel systems overhaul and repair mechanic
6345	aircraft furnishing technician	7301	aircraft mechanical systems inspector
7315	aircraft gas turbine engine technician	7301	aircraft mechanical systems maintenance service supervisor
7534	aircraft groomer	7301	aircraft mechanical systems maintenance supervisor
9537	aircraft heat shield maker	7315	aircraft mechanical systems mechanic
9226	aircraft hydraulic equipment installation foreman/woman	7301	aircraft mechanical systems mechanics foreman/woman
7315	aircraft hydraulics inspector	7315	aircraft mechanical systems preflight mechanic
7315	aircraft hydraulics mechanic	7315	aircraft mechanical systems repair inspector
7301	aircraft hydraulics repair shop foreman/woman	7315	aircraft mechanical systems repair shop inspector
7315	aircraft hydraulics shop technician	7315	aircraft mechanical systems technician
7315	aircraft hydraulics technician	7301	aircraft mechanics and inspectors foreman/woman - mechanical systems
7315	aircraft hydraulics tester	7301	aircraft mechanics and inspectors foreman/woman
9521	aircraft inspector, assemblies and installations	7301	aircraft mechanics and repairers foreman/woman - mechanical systems
9521	aircraft inspector, assembly		
7315	aircraft inspector, mechanical systems		
7315	aircraft inspector		
2244	aircraft instrument inspector		
7612	aircraft instrument mechanic helper		
2244	aircraft instrument mechanic		
2244	aircraft instrument technician		
5242	aircraft interior designer		
6345	aircraft interior technician		
7232	aircraft jig and template maker		
7232	aircraft jig and tool maker		
7233	aircraft layout man/woman sheet metal		
7231	aircraft machinist		
7301	aircraft maintenance chief		

7301	aircraft mechanics foreman/woman	9521	airframe fitter - aircraft assembly
7384	aircraft mock-up maker	7315	airframe mechanic
7384	aircraft model maker	9521	airframe subassembler
2261	aircraft non-destructive inspection technician	9521	airframe unit assembler
9536	aircraft painter	6523	airline baggage agent
9535	aircraft parts assembly repairer - plastic products manufacturing	6523	airline cargo agent
9417	aircraft parts etcher	6523	airline customer service representative
9226	aircraft parts etching foreman/woman	4021	airline customer-service instructor
9521	aircraft parts fitter - aircraft assembly	2272	airline dispatcher
9619	aircraft parts packager	0731	airline division manager
9619	aircraft parts wrapper	0731	airline division superintendent
6345	aircraft patternmaker and upholsterer	0731	airline express manager
7384	aircraft patternmaker	0731	airline fleet operations manager
9535	aircraft plastic panelling assembler	0731	airline flight schedule design manager
9535	aircraft plastic parts trimmer-assembler	6711	airline food assembler
7315	aircraft plumbing and hydraulics mechanic	1215	airline load control supervisor
9521	aircraft power plant assembler-installer	6523	airline load planner
7301	aircraft propeller repair foreman/woman	0731	airline manager
7315	aircraft propeller systems technician	6523	airline passenger agent
7315	aircraft reciprocating engine technician	2271	airline pilot instructor
1411	aircraft records clerk	2271	airline pilot
7534	aircraft refueler	6522	airline purser
7315	aircraft repair and overhaul inspector	1525	airline radio operator
7315	aircraft repair shop inspector	6523	airline reservation agent
5212	aircraft restoration technician - museum	6523	airline sales and service agent
9521	aircraft rigger - aircraft assembly	6313	airline sales and service agents supervisor
9521	aircraft rigging and controls mechanic - aircraft assembly	0731	airline superintendent
9226	aircraft rigging foreman/woman	2271	airline test pilot
7315	aircraft safety systems mechanic	6523	airline ticket agent
6221	aircraft sales representative	2271	airplane pilot
9521	aircraft sealer - aircraft assembly	2272	airport air traffic controller
7301	aircraft servicing foreman/woman	6731	airport cleaner
7301	aircraft servicing supervisor	2131	airport engineer
7315	aircraft sheet metal technician	7445	airport equipment maintenance repairer
7315	aircraft skin repairer	0432	airport fire department chief
7315	aircraft structural repair technician	4312	airport firefighter
7315	aircraft structural technician	6733	airport janitor
9521	aircraft structure and surface assembler	7513	airport limousine driver
9521	aircraft structure assembler	6733	airport maintenance worker
7315	aircraft systems inspector	0714	airport manager
6221	aircraft technical sales specialist	7534	airport ramp attendant
7315	aircraft technician, accessories overhaul	7302	airport road paving foreman/woman
7315	aircraft technician, gas turbine engines	7302	airport runways road foreman/woman
7315	aircraft technician, mechanical systems	6541	airport security guard
7315	aircraft technician, propeller systems	0714	airport services manager
7315	aircraft technician, propulsion	0714	airport terminal manager
9521	aircraft tester - aircraft assembly	6532	airship pilot
9615	aircraft tire tube balancer	7372	air-track drill operator - construction
9423	aircraft tire tube builder - rubber products manufacturing	2262	airworthiness inspector
7534	Aircraft towing equipment operator	6541	alarm investigator
6345	aircraft upholsterer	6541	alarm signal investigator
7237	aircraft welder	6541	alarm signal specialist
9521	airframe assembler - aircraft assembly	1525	alarm system dispatcher
9521	airframe assembler	1525	alarm system operator
		6411	alarm system sales representative
		2242	alarm system technician
		2242	alarm systems installer

4153	alcohol addiction counsellor	9416	aluminum sheet trimmer - ductwork
6411	alcoholic beverage sales representative - wholesale	7441	aluminum siding installer
0011	alderman/woman	6421	aluminum siding salesperson - retail
4031	algebra teacher - secondary school	9411	aluminum slurry pump tender
2121	algologist	9411	aluminum stretcher-leveller operator
9523	aligner - electronic equipment manufacturing	7441	aluminum window installer
9537	aligner, archery bow limbs	9411	aluminum-briquetting equipment operator
7531	aligner-tamper operator - railway	9411	aluminum-casting machine operator - primary metal processing
7321	alignment and brakes technician	9232	alum-liquor plant operator
9472	alignment examiner - printing	9411	amalgamation process tender
9232	alkylation chief operator	5251	amateur athlete
9232	alkylation operator	5252	amateur athletics team coach
9232	alkylation tower tender	0513	amateur sport manager
3111	allergist	5252	amateur sports team coach
3111	allergologist	5252	amateur track and field team coach
9231	alloy control operator - zinc casting	0012	ambassador
9611	alloy mixer - primary metal processing	3234	ambulance attendant trainee
9611	alloy processor - primary metal processing	3234	ambulance attendant
7334	all-terrain vehicle repairer	3234	ambulance attendants supervisor
9526	all-terrain vehicles inspector	1525	ambulance dispatcher
6532	alpine guide	3234	ambulance driver
6342	alterationist, garments	3234	ambulance driver-attendant
6342	alterations dressmaker	3234	ambulance services field supervisor
6342	alterations seamstress	3234	ambulance services supervisor
9217	alterations supervisor - clothing manufacturing	3234	ambulance services unit chief
6221	alternate heating energy consultant	3234	ambulance technician
9525	alternating current (AC) and direct current (DC) motors fitter-assembler	3012	ambulatory care nurse
6221	alternative heating energy consultant - wholesale	2244	AME (aircraft maintenance engineer) - avionics
9525	alternator tester	7301	AME (aircraft maintenance engineer) chief
5133	alto	7315	AME (aircraft maintenance engineer) (except avionics)
9611	alumina clarifier helper	7315	AME (aircraft maintenance engineer), mechanical systems
9411	alumina clarifier operator	7315	AME (aircraft maintenance engineer), rotorcraft
9211	alumina plant foreman/woman	7315	AME (aircraft maintenance engineer), structures
9611	alumina recovery helper	5125	American Sign Language (ASL) interpreter
9411	alumina recovery operator	9232	ammonia plant operator
9523	aluminizing equipment operator - electronic equipment manufacturing	9537	ammunition assembler
9537	aluminum awning assembler	9412	ammunition caster - foundry
9531	aluminum boat assembler	1215	ammunition foreman/woman
9531	aluminum boat leak tester	9537	ammunition inspector
9411	aluminum classifier	9537	ammunition loading inspector
7441	aluminum door and window installer	9537	ammunition maker
9411	aluminum electrolytic tank reconditioner	9537	ammunition manufacturing inspector
9411	aluminum electrolytic tank tender	2262	ammunition safety inspector
9411	aluminum oxide controller	9537	ammunition salvage inspector
9411	aluminum pourer - primary metal processing	1522	ammunition storekeeper
9411	aluminum powder maker	9537	ammunition worker
6411	aluminum products sales representative - wholesale	7311	ammunition-assembling machine adjuster
6421	aluminum products salesperson - retail	7311	ammunition-loading machine adjuster
9416	aluminum sheet cutter - ductwork	3141	amplification audiologist
9416	aluminum sheet cutter - metal fabrication	2242	amplifier repairer
9611	aluminum sheet separator	9619	ampoule filler

9619	ampoule inspector - pharmaceuticals and toiletries manufacturing	4167	analyst, recreation policy
6722	amusement attraction operator	4167	analyst, recreation
6722	amusement concession operator	1112	analyst, securities
7514	amusement machine route agent	4164	analyst, social policies
6722	amusement park attendant	4167	analyst, sports policy
6722	amusement ride attendant	4167	analyst, sports
6722	amusement ride operator	2282	analyst, systems technical support
2133	analogue amplifier design engineer	2171	analyst, systems
2161	analysis supervisor - statistics	1122	analyst, time study
4163	analyst - market research	1122	analyst, work study
4161	analyst, agricultural association	1111	analyst-accountant
1526	analyst, air transport schedules	2112	analytical biochemist
2171	analyst, business - computer systems	2112	analytical chemist
1122	analyst, business management	2211	analytical chemistry technician
1122	analyst, business methods	2211	analytical chemistry technologist
2171	analyst, computer simulations	2211	analytical technician, chemical
2171	analyst, computer systems	9474	analyzer, colour films - photographic processing
2171	analyst, computer	3111	anatomical pathologist
6235	analyst, credit	3211	anatomical pathology technologist
2172	analyst, database	3114	anatomist, veterinary
4162	analyst, economic	2121	anatomist
2172	analyst, EDP (electronic data processing)	3111	anatomopathologist
4166	analyst, education policies	4011	anatomy professor - university
2172	analyst, electronic data processing (EDP) systems	7531	anchor-applicator operator - railway
1122	analyst, filing systems	5123	anchorman/woman
4162	analyst, fiscal economics	5123	anchorperson, television news
4167	analyst, fitness policy	4166	andragogy specialist
4167	analyst, fitness	3124	anesthesia assistant
4169	analyst, handwriting	3214	anesthesia technologist
1122	analyst, industrial and commercial methods	0311	anesthesia, chief of
2171	analyst, informatics security	3111	anesthesiologist
2171	analyst, information systems - computer systems	3413	anesthetic attendant - hospital
2171	analyst, information technology (IT)	3111	anesthetist
1112	analyst, investments	3111	anesthetist-resuscitator
1121	analyst, job evaluation	9416	angle shear operator - metal fabrication
4167	analyst, leisure policy	5136	animal art painter
4167	analyst, leisure	5136	animal art sculptor
6235	analyst, loans	6563	animal attendant, laboratory
2171	analyst, management information systems (MIS)	6563	animal attendant, zoo
4163	analyst, manufacturers' association	6563	animal attendant
4163	analyst, marketing	6563	animal attendants supervisor
1122	analyst, methods and cost	0821	animal breeder
1122	analyst, methods and procedures	3213	animal care technician
2212	analyst, mines	3213	animal care technologist
2171	analyst, MIS (management information systems)	6563	animal care worker (except farm)
1112	analyst, money market	4423	animal control inspector
3144	analyst, movement - medical	4423	animal control officer
1122	analyst, occupational - services to management firms	4423	animal control supervisor
4164	analyst, occupational supply	7444	animal control trapper
1225	analyst, purchasing contracts	2121	animal ecologist
1122	analyst, records management systems	9462	animal eviscerator - meat packing plant
		8252	animal farm foreman/woman
		0821	animal farmer
		9617	animal feed sack filler
		2121	animal geneticist
		6563	animal groomer (except horses)

6563	animal health care assistant	9211	anodizing foreman/woman - primary metal processing
2222	animal health inspector	1414	answering service operator
3213	animal health technician - agriculture	9537	antenna assembler
3213	animal health technician	2133	antenna engineer
3213	animal health technologist supervisor	7441	antenna installer - electronic equipment
3213	animal health technologist	7441	antenna installer, television
8252	animal husbandry foreman/woman	9523	antenna-tuner inspector - electronic equipment manufacturing
2121	animal nutritionist	4169	anthropologist
3213	animal operating room attendant	4011	anthropology professor - university
3114	animal pathologist	9232	antibiotics fermenter
2222	animal primary products inspector	9619	antichecking steel bander
9462	animal skinner - meat packing plant	0431	anti-gambling section inspector - police
9462	animal sticker - meat packing plant	7322	antique car restorer, body
9462	animal stunner	0621	antique dealer
2121	animal taxonomist	7322	antique vehicle restorer, body
6563	animal trainer (except horses or marine mammals)	9534	antiquer - furniture finishing
5226	animal wrangler - motion pictures, broadcasting and performing arts	3414	antireflection (AR) coating technician, ophthalmic goods
5241	animated cartoon artist - visual arts	9537	anvil-seating press tender
5241	animated cartoon artist	7384	anvilsmith
5241	animated cartoon colourist	6733	apartment building caretaker
5223	animated cartoon inker	6733	apartment building concierge
5223	animated cartoon painter	6733	apartment building maintenance worker
5223	animated cartoon technician	6733	apartment maintenance man/woman
5223	animated cartoons inker and painter	1224	apartment rental agent
5241	animation artist	0821	apiarist
5223	animation camera operator	8431	apiary technician
5223	animation inker	8431	apiary worker
5241	animation layout designer	0821	apiculturist
5223	animation painter	4021	apparel design teacher
2174	animation programmer	6316	apparel-service and furnishings-service workers supervisor
5241	animator - animated films	1228	appeal judge - employment insurance
4217	animator - spiritual guidance	1228	appeal officer - taxation
5241	animator, graphic design and illustration	1228	appeal officer
9413	annealer - glass products manufacturing	4111	appellate court judge
9411	annealer - primary metal processing	0821	apple grower
9611	annealer helper - primary metal processing	8252	apple orchard foreman/woman
9537	annealer, jewellery	8611	apple picker
9211	annealing foreman/woman - primary metal processing	0821	apple producer
9211	annealing foreman/woman	9461	applesauce processor operator
1513	announcement deliverer - courier service	6222	appliance buyer
1513	announcement delivery person - courier service	7301	appliance repair contractor
5231	announcer, P.A. (public address) system	7301	appliance repair shop foreman/woman
5231	announcer, public address (P.A.) system	7301	appliance repair shop supervisor
5231	announcer	7332	appliance repairer apprentice
5231	announcer-producer, international service	7332	appliance repairer, gas - customer service
1113	annuity representative - investments	6421	appliance salesperson - retail
9415	anode adjuster - primary metal processing	7332	appliance service technician apprentice
9411	anode caster - primary metal processing	7332	appliance service technician
9411	anode caster	7332	appliance servicer
9411	anode operator	4021	appliance servicing teacher - vocational institute
9411	anode press operator	0621	appliance store manager
9536	anodizer	2173	application architect

1452	application clerk	6741	apprentice dry cleaner
2174	application programmer	7284	apprentice drywall applicator
1434	application reviewer - insurance	7246	apprentice electrician - telecommunications equipment
2147	application specific integrated circuit (ASIC) design engineer	7241	apprentice electrician, construction
2283	application tester	7241	apprentice electrician
2283	application testing technician	7318	apprentice elevator mechanic
2171	applications analyst - computer systems	6346	apprentice embalmer
6221	applications sales engineer	7235	apprentice fabricator-fitter, structural metal and platework
8612	applicator, chemicals - lawn care	7312	apprentice farm equipment mechanic
7441	applicator, siding	7312	apprentice farm machinery mechanic
4169	applied anthropologist	7235	apprentice fitter - shipbuilding
4021	applied arts teacher - college level	7252	apprentice fitter, sprinkler systems
4169	applied geographer	7295	apprentice floor covering installer
4169	applied linguist	7253	apprentice gas fitter
2161	applied mathematician	7292	apprentice glazier
2114	applied meteorologist	7521	apprentice heavy equipment operator
2161	applied statistician	7242	apprentice industrial electrician
1414	appointment clerk	2243	apprentice industrial instrument mechanic
1241	appointment secretary	7311	apprentice industrial mechanic
2131	appraisal engineer	7294	apprentice industrial painter and decorator
2122	appraisal forester	7284	apprentice installer and finisher, drywall
1314	appraisal technician	2243	apprentice instrument mechanic
1314	appraiser (except customs)	7293	apprentice insulator
1228	appraiser, customs	7236	apprentice ironworker
6344	appraiser, jewellery	6344	apprentice jeweller
7315	apprentice aircraft maintenance engineer (AME)	7244	apprentice line maintainer - electric power systems
7315	apprentice aircraft mechanic, mechanical systems	7244	apprentice lineman/woman - electric power systems
7315	apprentice aircraft mechanical systems mechanic	7245	apprentice lineman/woman - telecommunications
7315	apprentice AME (aircraft maintenance engineer)	7231	apprentice machinist
7332	apprentice appliance service technician	7242	apprentice marine electrician
7231	apprentice automotive machinist	2274	apprentice marine engineer officer
2244	apprentice avionics technician	7384	apprentice marine repair technician
6332	apprentice baker - retail	7281	apprentice mason
7271	apprentice boat carpenter	2273	apprentice master - minor waters
7281	apprentice bricklayer	7321	apprentice mechanic, automotive radiators
7281	apprentice brickmason	7312	apprentice mechanic, diesel engines
6331	apprentice butcher - retail or wholesale	7312	apprentice mechanic, farm equipment
7314	apprentice carman/woman - railway	7312	apprentice mechanic, farm machinery
7271	apprentice carpenter	7331	apprentice mechanic, oil burner
7271	apprentice carpenter-joiner	7334	apprentice mechanic, outboard motors
7247	apprentice CATV (community antenna television) technician	7313	apprentice mechanic, refrigeration
7282	apprentice cement finisher	7335	apprentice mechanic, small engines
7246	apprentice communication electrician - switching	7335	apprentice mechanic, small equipment
7247	apprentice community antenna television (CATV) technician	7321	apprentice mechanic, trucks and transport vehicles
7241	apprentice construction electrician	7235	apprentice metal fabricator
6322	apprentice cook	7235	apprentice metal shipwright
3221	apprentice dental mechanic	7236	apprentice metal structure erector
3223	apprentice dental prosthesis maker	7311	apprentice millwright
3223	apprentice dental technician	8231	apprentice miner
		7371	apprentice mobile crane operator
		7321	apprentice motor vehicle mechanic

9412	apprentice moulder - foundry	0411	apprenticeship training director - government services
3219	apprentice ocularist		
7371	apprentice operator, mobile crane	0411	apprenticeship training service director - government services
3231	apprentice optician		
7334	apprentice outboard motor mechanic	0823	aquaculture manager
7322	apprentice painter - motor vehicle repair	0823	aquaculture operator
7294	apprentice painter and decorator	8613	aquaculture support worker
7322	apprentice painter, motor vehicles	2221	aquaculture technician
7252	apprentice pipefitter	8613	aquaculture worker
7252	apprentice pipefitter-steamfitter	6563	aquarist
7284	apprentice plasterer	5212	aquarium interpreter
7251	apprentice plumber	2121	aquatic biologist
9241	apprentice power dispatcher - electrical power systems	2221	aquatic biology technician
9241	apprentice power dispatcher	4167	aquatic program co-ordinator
9241	apprentice power engineer	3414	AR (antireflection) coating technician, ophthalmic goods
7244	apprentice power line repairer	1113	arbitrator
7243	apprentice power system electrician	1121	arbitrator, human resources
7381	apprentice press operator - printing	9527	arbor press tender - electrical equipment manufacturing
7381	apprentice press operator		
7381	apprentice pressman/woman - printing	2225	arboriculturist
7381	apprentice pressman/woman	2225	arborist
7381	apprentice printing press operator	9416	arc cutter - metal fabrication
7384	apprentice recreation vehicle mechanic	7237	arc welder - pipeline
7313	apprentice refrigeration and air conditioning mechanic	7237	arc welder, hand
		7237	arc welder
7321	apprentice repairer, truck trailers	9422	arch cushion press operator - plastic manufacturing
7291	apprentice roofer		
7384	apprentice saw repairer	4169	archaeological consultant
6621	apprentice service station attendant	4169	archaeological field worker
7233	apprentice sheet metal worker	5212	archaeological technician
7291	apprentice shingle roofer	4169	archaeologist
7235	apprentice shipfitter	5112	archaeology curator
7235	apprentice ship's plater	5112	archaeology museum curator
5223	apprentice sign painter	4011	archaeology professor - university
7335	apprentice small engine mechanic	4154	archbishop
7252	apprentice sprinkler system fitter	9423	arch-cushion-skiving machine operator
9241	apprentice stationary engineer	4154	archdeacon
7252	apprentice steamfitter	5251	archer
7235	apprentice steel fabricator	7445	archery bow finisher
7235	apprentice structural metal and platework fabricator	9537	archery bow limb aligner
		9537	archery bow maker
7235	apprentice structural steel and platework fitter	7445	archery bow repairer
		9537	archery bow string maker
7235	apprentice structural steel fabricator	2172	architect, database
7246	apprentice telephone switchman/woman	2152	architect, golf course
7283	apprentice tilsetter	2152	architect, landscape
7233	apprentice tinsmith	2148	architect, naval
7232	apprentice tool and die maker	2151	architect, residential buildings
7373	apprentice water well driller	2151	architect
7237	apprentice welder	2231	architectural and engineering technologists and technicians supervisor
6341	apprentice, barber		
7246	apprentice, communication electrician - network craft	2251	architectural assistant
		2251	architectural design technician
4312	apprentice, firefighter	2251	architectural design technologist
6341	apprentice, hairdresser	2253	architectural draftsman
6341	apprentice, hairstylist	2131	architectural engineer

0212	architectural manager	6541	armoured car guard
0212	architectural service manager	3232	aromatherapist
2151	architectural standards specialist	5132	arranger, music
2251	architectural technician	5132	arranger
2251	architectural technologist	9537	arrow assembler
4021	architectural technology instructor	9411	arsenic recovery operator
5211	archival assistant	5232	art and photography model
0511	archival document manager	4166	art co-ordinator - education
5211	archival management technician	5123	art critic
5211	archive assistant	0621	art dealer
5211	archive attendant	1451	art department library clerk
5211	archive technician	5131	art director - motion pictures, broadcasting and performing arts
0511	archives chief		
1452	archives clerk	5122	art editor
0511	archives director	1123	art educator - museum
0511	archives manager	0511	art gallery administrator
5113	archivist, assistant	0511	art gallery assistant director
5113	archivist, fine arts	0511	art gallery chief curator
5113	archivist, videos	5112	art gallery conservator
5113	archivist	0511	art gallery co-ordinator
9221	area co-ordinator - motor vehicle assembly	5112	art gallery curator
9221	area co-ordinator - motor vehicle manufacturing	0511	art gallery director
		0621	art gallery manager - retail
4163	area development officer - government	0511	art gallery manager assistant
0423	area director, social services	0511	art gallery manager
9241	area dispatch chief operator	5212	art gallery preparator
9241	area load centre dispatcher	5212	art gallery registrar
0122	area manager - banking, credit and investment	5136	art instructor (except primary, secondary, post-secondary education)
			art instructor
0132	area manager - postal service	5136	art layout designer
0621	area manager - retail store chain	5241	art librarian
0423	area manager, family services	5111	art object curator
1224	area manager, property acquisitions	5112	art objects preparator
0731	area manager, railway transport	5212	art restoration technician
0601	area sales manager	5212	art restoration technician
0422	area superintendent - schools	6421	art sales consultant - retail
6722	arena ice patroller	6421	art salesperson
0714	arena manager	0651	art school manager
9525	armature assembler - industrial electrical equipment	4032	art teacher - elementary school
		4031	art teacher - secondary school
9524	armature bander	5136	art teacher (except primary, secondary and post-secondary education)
9525	armature coil former - industrial electrical equipment		art therapist
		3144	art therapists' supervisor
9525	armature coil winder - industrial electric equipment	3144	art therapy consultant
		3144	art therapy teacher (except education)
9525	armature inspector - industrial electrical equipment	3144	art work assembler
		5223	articling law student
9525	armature insulator - industrial electrical equipment	4112	articulated bus operator
		7512	artifact conservator
7333	armature repairman/woman	5112	artifact conservator
9527	armature tester	8431	artificial breeding worker
9525	armature winder - industrial electrical equipment	3219	artificial eye maker
		5244	artificial flower maker, hand
7333	armature winder repairer	5244	artificial flower presser
9524	armature winder, small electric motor	6722	artificial ice maker - rink
4313	armour defence gunner	8252	artificial insemination service contractor
6541	armoured car driver	8252	artificial inseminator

2173	artificial intelligence (AI) designer	9611	asbestos moulder
2171	artificial intelligence analyst	7611	asbestos remover
2171	artificial intelligence consultant	9441	asbestos rope maker
2173	artificial intelligence designer	9411	asbestos screen tender
3219	artificial limb assembler	9414	asbestos shingle assembler
3219	artificial limb finisher	9414	asbestos shingle cutter
3219	artificial limb maker	9611	asbestos shingle floor hand
7283	artificial marble setter	9415	asbestos shingle inspector
9537	artificial pearl maker	9414	asbestos shingle maker
7281	artificial stone mason	9414	asbestos shingle presser
9537	artificial turf maker	9418	asbestos wire finisher
0433	artillery officer	7611	asbestos worker - construction
4313	artillery soldier	9611	asbestos worker - mineral processing
5244	artisan	9611	asbestos worker
1123	artist agent	9611	asbestosboard sander
5223	artist, airbrush	9611	asbestosboard shearer
5223	artist, cartoon background	7452	ash handler
5223	artist, paste-up	4011	Asian studies professor - university
5136	artist, plastic arts	5125	ASL (American Sign Language) interpreter
5241	artist, storyboard	7521	asphalt batch plant operator
6562	artist, tattoo	9421	asphalt coater - chemical processing
5136	artist, visual arts	7611	asphalt cold patcher
5136	artist	2131	asphalt engineer
1123	artistic agent	9421	asphalt heater tender
5244	artistic bouquet designer	7611	asphalt mixer
5131	artistic director - motion picture	7302	asphalt paving foreman/woman
5132	artistic director - music	7302	asphalt paving labour gang foreman/woman
5132	artistic director, orchestra	9421	asphalt plant dryer tender
5131	artistic director, performing arts	7611	asphalt plant labourer - construction
5244	artistic floral arranger	7521	asphalt plant operator
5244	artistic floral bouquet designer	7611	asphalt raker
5244	artistic floral designer	7521	asphalt roller operator
5241	artistic illustrator	7611	asphalt roofer helper
5136	artistic painter	7291	asphalt roofer
5136	artistic printmaker	7205	asphalt roofers foreman/woman
5227	artistic rigger	7205	asphalt roofing contractor
0511	arts administrator	7205	asphalt roofing foreman/woman
5254	arts and crafts instructor	9421	asphalt roofing material mixer
5254	arts and crafts leader - sports and recreation	9421	asphalt roofing materials inspector
5254	arts and crafts leader	9537	asphalt roofing splitter operator
4167	arts and crafts programs co-ordinator	7291	asphalt shingle roofer
4031	arts and crafts teacher - secondary school	7291	asphalt shingler
5244	arts and crafts teacher (except education)	7521	asphalt spreader operator
5254	arts and leisure leader	7611	asphalt spreader
5254	arts and recreation leader	7521	asphalt street paver operator
9414	asbestos board curer	7611	asphalt worker - road
9414	asbestos board machine operator	7521	asphalt-grooving machine operator
9414	asbestos board machinery setter	7521	asphalt-paving machine operator
9415	asbestos classifier	7521	asphalt-paving screed operator
9411	asbestos dryer	4313	assault pioneer
9415	asbestos fibre inspector and tester	2212	assayer - mineralogy
7611	asbestos fibre preparer	2212	assayer, gold
9415	asbestos grader	2212	assayer, precious metals
7293	asbestos insulator	2212	assayer
9211	asbestos manufacturing foreman/woman	9522	assembler - automobile assembly
9414	asbestos mixer tender	9523	assembler - electronic equipment
9611	asbestos mould stripper		manufacturing

9524	assembler air conditioner	9522	assembler, brakes - motor vehicle manufacturing
9537	assembler and finisher, cases	9537	assembler, brooms
9418	assembler and tester, wire cables	9537	assembler, brushes and mops
9525	assembler and wirer, electrical panels	9526	assembler, buses
9525	assembler and wirer, motors and generators	9524	assembler, bushings - small transformer manufacturing
7237	assembler tack welder	9532	assembler, cabinet - furniture manufacturing
9537	assembler, advertising buttons	9537	assembler, cameras
9526	assembler, agricultural implements	9531	assembler, canoes
9524	assembler, air conditioner coil	9537	assembler, canvas goods
9524	assembler, air conditioning	9537	assembler, car seats
9537	assembler, air filters	9525	assembler, carbon brushes
9526	assembler, air-cooled engines	9526	assembler, carburetors
9535	assembler, aircraft plastic panelling	9522	assembler, cars
9521	assembler, aircraft structures and surfaces	9537	assembler, cartridges
9521	assembler, aircraft	9532	assembler, chairs
9521	assembler, airframes - aircraft assembly	9522	assembler, chassis - motor vehicle manufacturing
9537	assembler, aluminum awnings	9524	assembler, circuit breakers
9537	assembler, aluminum doors and windows	9537	assembler, clocks and watches
9537	assembler, ammunition	9537	assembler, clocks
9537	assembler, antennas	9526	assembler, clutches
9537	assembler, arrow points	9524	assembler, commercial refrigerators
9537	assembler, arrows	9525	assembler, commutators
5223	assembler, art work	9524	assembler, compact discs
3219	assembler, artificial limbs	9537	assembler, compasses
9414	assembler, asbestos shingles	9537	assembler, compressed air and gas regulators
9537	assembler, atomic fuel bundles	9522	assembler, convertible tops - motor vehicle manufacturing
9537	assembler, automated valves	9535	assembler, cooler shells - plastic products manufacturing
9526	assembler, automobile gear	9524	assembler, cooling units - electrical equipment manufacturing
9522	assembler, automobile hoods - motor vehicle manufacturing	9537	assembler, corncob pipes
9522	assembler, automobiles	9522	assembler, crankshafts - motor vehicle manufacturing
9535	assembler, automotive door panelling - plastic products manufacturing	9525	assembler, current transformers
9526	assembler, automotive engine accessories	9537	assembler, curtain rods
9526	assembler, automotive engines	9526	assembler, cylinder heads
9526	assembler, automotive radiator	9537	assembler, dental instruments
9523	assembler, avionics equipment	9532	assembler, desk
9537	assembler, awning frames	9537	assembler, detonators
9522	assembler, axles - automobile assembly	9526	assembler, diesel engines
9537	assembler, baby carriages	9526	assembler, differentials
9524	assembler, ballast transformers	9531	assembler, dinghies
9537	assembler, barometers	9524	assembler, dishwashers
9527	assembler, battery chargers	9522	assembler, doors - motor vehicle manufacturing
9537	assembler, bearings	9537	assembler, drawing instruments
9533	assembler, bench - wood products manufacturing	9527	assembler, dry cell and battery
9537	assembler, bicycles	9527	assembler, dry cell batteries
9537	assembler, blasting caps	9527	assembler, dry cells
9531	assembler, boats	9537	assembler, dust brushes
9522	assembler, bodies - motor vehicle manufacturing	9537	assembler, dust mop
9532	assembler, box spring units - furniture manufacturing	9537	assembler, earmuffs
9532	assembler, box springs		
9537	assembler, bracelets		

9524	assembler, electric air conditioning units	9524	assembler, heavy current switches
9524	assembler, electric baseboard heaters	9524	assembler, heavy-duty capacitors
9524	assembler, electric clocks	9524	assembler, heavy-duty resistors
9524	assembler, electric clothes dryers	9525	assembler, heavy-duty transformer
9524	assembler, electric coffee makers	9533	assembler, hockey sticks
9524	assembler, electric fans	9533	assembler, hogsheads - wood products manufacturing
9526	assembler, electric furnace	9526	assembler, hydraulic hoist
9524	assembler, electric heaters	9526	assembler, hydraulic pump
9524	assembler, electric lamps	9537	assembler, hydrometers
9524	assembler, electric lawn mowers	9537	assembler, igniters
9524	assembler, electric meters	9525	assembler, industrial brakes and AC (alternating current) motors
9524	assembler, electric refrigerators	9525	assembler, industrial brakes and alternating current (AC) motors
9524	assembler, electric signs	9527	assembler, industrial storage battery plates
9524	assembler, electric toasters	9522	assembler, instrument clusters - motor vehicle manufacturing
9524	assembler, electrical accessories	9522	assembler, instrument panels - automobile assembly
9524	assembler, electrical appliances	9522	assembler, interior finishing - automobile assembly
9525	assembler, electrical control panel	9522	assembler, interior trim - automobile assembly
9524	assembler, electrical equipment	9537	assembler, jewellery cases
9524	assembler, electrical switches	9537	assembler, jewellery parts
9524	assembler, electrical wire groups	9537	assembler, jewellery
9523	assembler, electronic cash registers	9537	assembler, knives
9523	assembler, electronic equipment - electronic equipment manufacturing	9525	assembler, laminated cores - industrial electrical equipment
9523	assembler, electronic keyboard	9537	assembler, lampshades
9524	assembler, engine generator sets	9524	assembler, large electrical appliances
8411	assembler, extensible conveyor belt - underground mining	6741	assembler, laundry and dry cleaning
9537	assembler, eyeglass frames	9522	assembler, leaf springs - motor vehicle manufacturing
9537	assembler, fabric hats	9537	assembler, leather products
9526	assembler, farm equipment	9524	assembler, light fixtures
9535	assembler, fibreglass filters	9526	assembler, light material-handling equipment
9537	assembler, filters	9522	assembler, light trucks - automobile assembly
9537	assembler, firefighters' hats	9524	assembler, lighting fixtures
9537	assembler, fireworks	9537	assembler, lint roller brushes
9537	assembler, fishing reels	9537	assembler, locks
9537	assembler, fishing rods	9535	assembler, luggage bindings - plastic products manufacturing
9532	assembler, fixture	9537	assembler, mannequins
9537	assembler, flares	9533	assembler, manufactured homes
9527	assembler, flat dry batteries	9535	assembler, marine craft plastic panelling
9527	assembler, flat dry cells	9532	assembler, mattress - furniture manufacturing
9472	assembler, flexographic printing cylinders	9526	assembler, mechanical pumps
9524	assembler, fluorescent light fixtures	9532	assembler, metal cabinets
9522	assembler, frames - motor vehicle manufacturing	9532	assembler, metal chairs
9537	assembler, fuel filters	9537	assembler, metal door frames
9526	assembler, fuel pumps	9537	assembler, metal products
9532	assembler, furniture	9532	assembler, metal tables
9526	assembler, garden machinery	9537	assembler, meters
9526	assembler, gas furnace		
9537	assembler, gas meters		
9526	assembler, gasoline engines		
9526	assembler, gearbox		
9537	assembler, golf clubs		
5223	assembler, graphic arts		
9537	assembler, hard hats		
9537	assembler, hardware		
9537	assembler, heat sensors		

9533	assembler, millwork - wood products manufacturing	9526	assembler, rotary tillers
9522	assembler, minivans - motor vehicle manufacturing	9525	assembler, rotating field coils - industrial electrical equipment
9532	assembler, mirror and picture frames	9423	assembler, rubber goods
9537	assembler, mirrors	9423	assembler, rubber sponge gaskets
9537	assembler, mops	9531	assembler, sailboats
9524	assembler, motor and generator - electrical equipment manufacturing	9537	assembler, scales
9525	assembler, motor and generator - industrial electrical equipment	9537	assembler, scrubber brushes
9525	assembler, motor control centres - industrial electrical equipment	9522	assembler, seats - motor vehicle manufacturing
9524	assembler, motor vehicle lighting fixtures	9526	assembler, sewing machine
9522	assembler, motor vehicles - motor vehicle manufacturing	9537	assembler, shells - explosives
9531	assembler, motorboats	9537	assembler, shovel handles
9537	assembler, multifocal lenses	9537	assembler, shower doors and panels
9537	assembler, munitions	9535	assembler, skylights - plastic products manufacturing
9537	assembler, necklaces	9524	assembler, small electric motor
9524	assembler, neon signs - electrical equipment manufacturing	9524	assembler, small electrical appliances
9532	assembler, office chairs	9524	assembler, small electrical products
9523	assembler, office machines	9526	assembler, small marine engines
9537	assembler, oil filters	9522	assembler, small parts - motor vehicle manufacturing
9537	assembler, optical instruments	9524	assembler, small transformer
3219	assembler, orthopedic appliances	9526	assembler, snowmobiles
9526	assembler, outboard motor - mechanical assembly	9537	assembler, solenoid valves
9435	assembler, packing cartons	9524	assembler, spark plugs
9525	assembler, panelboards - industrial electrical equipment	9537	assembler, spoked wheels
9537	assembler, pens and pencils	9537	assembler, sponge mops
9537	assembler, photographic equipment	9537	assembler, sports headgear
9537	assembler, piano backs	9522	assembler, sports helmets
9537	assembler, piano cases	9522	assembler, springs - motor vehicle manufacturing
9537	assembler, pianos	9527	assembler, storage batteries
9532	assembler, picture frames - furniture and fixtures manufacturing	9525	assembler, switchgear and control panel - industrial electrical equipment
9535	assembler, plastic cases	9525	assembler, switchgear and control panel
9535	assembler, plastic parts	9525	assembler, switchgear panels - industrial electrical equipment
9535	assembler, plastic products	9525	assembler, switchgear racks - industrial electrical equipment
9535	assembler, plastic tanks	9532	assembler, tables
9535	assembler, plastic toys	9523	assembler, telecommunications equipment
9535	assembler, plastics	9537	assembler, Thermos bottles
9535	assembler, Plexiglas	9524	assembler, thermostat
9524	assembler, portable electrical appliance	9524	assembler, toggle switches - electrical equipment manufacturing
9526	assembler, power lawn mowers	9537	assembler, toys
9521	assembler, power plants - aircraft assembly	9526	assembler, tractors
9526	assembler, power snowblowers	9526	assembler, trailer
9533	assembler, prefab housing	9525	assembler, transformer accessories
9537	assembler, projectors	9525	assembler, transformer cores
9537	assembler, protective earmuffs	9525	assembler, transformer gas detector relays
9537	assembler, pyrotechnics	9524	assembler, transformer static plate
9524	assembler, quartz lamps	9526	assembler, transmissions
9526	assembler, railway cars	9537	assembler, trophies
9526	assembler, recreational vehicles	9526	assembler, truck trailers
		9526	assembler, truck

9537	assembler, twisted-wire brushes	9226	assembly foreman/woman, engines (except aircraft)
9537	assembler, vacuum bottles	9226	assembly foreman/woman, farm implements
9524	assembler, vacuum cleaners	9227	assembly foreman/woman, fibreglass boats
9522	assembler, vans	9226	assembly foreman/woman, helicopters
9526	assembler, vending machines	7301	assembly foreman/woman, industrial machinery
9537	assembler, Venetian blinds	7301	assembly foreman/woman, machinery
9524	assembler, washing machines - electrical equipment manufacturing	9221	assembly foreman/woman, motor vehicles
9537	assembler, watches	9222	assembly foreman/woman, semiconductors
9537	assembler, whisks	9226	assembly foreman/woman, tractor-trailers
9537	assembler, windows and screens	9226	assembly inspection foreman/woman, aircraft
9418	assembler, wire mesh gates	9523	assembly inspector - electronic equipment manufacturing
9533	assembler, wood products	9532	assembly inspector - furniture manufacturing
9533	assembler, wooden barrel staves	9522	assembly inspector - motor vehicle manufacturing
9533	assembler, wooden boxes	9535	assembly inspector - plastic manufacturing
9533	assembler, wooden bucket staves	9521	assembly inspector, aircraft
9533	assembler, wooden cases	9531	assembly inspector, boats
9533	assembler, wooden casket frames	9522	assembly inspector, chassis - motor vehicle manufacturing
9533	assembler, wooden crates	9524	assembly inspector, electrical appliances
9533	assembler, wooden doors	9531	assembly inspector, motorboats
9533	assembler, wooden prefab housing	9531	assembly inspector, wooden boats
9533	assembler, wooden reels	9531	assembly laminator, boats
9532	assembler, wooden tables	9524	assembly lead hand - electrical equipment manufacturing
9533	assembler, wooden tank staves	9524	assembly lead hand, large electrical appliances
9533	assembler, wooden tanks	9524	assembly lead hand, small electrical appliances
9533	assembler, woodenware	9524	assembly line expeditor - electrical equipment manufacturing
9537	assembler, zipper chains	9619	assembly line general labourer
9537	assembler, zippers	9533	assembly line gluer - wood products manufacturing
9522	assembler-mechanic - motor vehicle manufacturing	9524	assembly line inspector - electrical equipment manufacturing
9214	assemblers foreman/woman - rubber and plastic manufacturing	9535	assembly line inspector - plastic manufacturing
9533	assemblers lead hand - wood products manufacturing	9524	assembly line inspector and tester - electrical equipment manufacturing
9217	assemblers supervisor - fabric, fur and leather products manufacturing	9527	assembly line operator, storage batteries
9214	assemblers supervisor - rubber and plastic products manufacturing	9536	assembly line painter, automobiles
9537	assembly adjuster, clocks	9536	assembly line painter
9222	assembly and test foreman/woman - electronics manufacturing	9524	assembly line repairer, electrical appliances
9222	assembly and testing supervisor - electronic equipment manufacturing	9423	assembly line tire repairer
9221	assembly co-ordinator - motor vehicle manufacturing	9524	assembly line worker, electric heating systems
9221	assembly co-ordinator, motor vehicles	9527	assembly machine setter - electrical equipment manufacturing
7316	assembly fitter, aircraft engines	9527	assembly machine set-up person - electrical equipment manufacturing
7316	assembly fitter	7301	assembly mechanics foreman/woman
9221	assembly foreman, automobiles	9536	assembly painter
9221	assembly foreman/woman - motor vehicle manufacturing		
9226	assembly foreman/woman, agricultural equipment		
9227	assembly foreman/woman, clocks and watches		
9226	assembly foreman/woman, engine accessories (except aircraft)		

9537	assembly press operator	6321	assistant chef
9537	assembly press set-up operator	0411	assistant chief health inspector - government services
9522	assembly quality upgrader - motor vehicle manufacturing	0431	assistant chief inspector - police
9531	assembly repairer, boats	0012	assistant chief statistician - government services
9537	assembly repairer, dolls	9433	assistant coating operator - pulp and paper
9535	assembly repairer, plastic products	0122	assistant consumer credit manager
9532	assembly repairer, wooden furniture	1111	assistant controller
9532	assembly repairman/woman, wooden furniture	6322	assistant cook
9524	assembly section leader, lighting fixtures	0122	assistant corporate banking services manager
9222	assembly supervisor - electronic equipment manufacturing	4112	assistant corporate counsel
9221	assembly supervisor - motor vehicle manufacturing	5243	assistant costume designer
9226	assembly supervisor, engines (except aircraft)	0122	assistant credit manager
9226	assembly supervisor, helicopters	4112	assistant Crown attorney
9226	assembly supervisor, mobile homes	5112	assistant curator
9221	assembly supervisor, motor vehicles	0421	assistant dean - college or university
9226	assembly supervisor, small engines	0621	assistant department manager - retail
9226	assembly supervisor, tractor-trailers	0012	assistant deputy minister - government services
9523	assembly tester - electronic equipment manufacturing	0012	assistant deputy minister
9522	assembly worker, autos	0431	assistant deputy police chief
9221	assembly zone supervisor - motor vehicle manufacturing	1227	assistant deputy registrar - courts
9524	assembly, hair dryers	9432	assistant digester operator - pulp and paper
1228	assessing officer - taxation	9432	assistant digester operator
1228	assessing unit head - taxation	5131	assistant director - motion pictures, broadcasting and performing arts
1431	assessment clerk	0511	assistant director of archives
1212	assessment clerks supervisor	0511	assistant director of historical park
1314	assessor (except tax)	0311	assistant director of nursing services
1228	assessor, tax	0311	assistant director of nursing
0111	assigned public accountants chief	0413	assistant director of school services - public administration
1212	assistant accountant	0413	assistant director of school services
0111	assistant accounting manager	0511	assistant director, art gallery
0311	assistant administrator for nursing	0412	assistant director, economic policy analysis - government services
0311	assistant administrator, nursing services	0413	assistant director, education programs
5241	assistant animator - animated films	0413	assistant director, educational programs support
1314	assistant appraiser	0411	assistant director, health programs - government services
5113	assistant archivist	0412	assistant director, international trade policy - government services
0511	assistant art gallery administrator	0413	assistant director, language programs
0511	assistant art gallery director	0511	assistant director, museum
1212	assistant bank accountant	0413	assistant director, programs evaluation - education
0631	assistant bar manager	0411	assistant director, social programs - government services
9473	assistant binder	0413	assistant director, special education services
9432	assistant bleacher operator - pulp and paper	0212	assistant director, urban planning and development - government services
9473	assistant bookbinder	5131	assistant director
0122	assistant branch manager - banking, credit and investment	0422	assistant district school superintendent
1123	assistant brand manager - advertising	8232	assistant driller - offshore drilling rig
9461	assistant brewer - food and beverage processing		
6222	assistant buyer		
5222	assistant camera operator		
3217	assistant cardiology supervisor		

8232	assistant driller - oil and gas well drilling	6313	assistant passenger service co-ordinator - railway
4214	assistant ECE		
5122	assistant editor	1432	assistant paymaster
2274	assistant engineer - water transport	1223	assistant personnel officer
0013	assistant executive director - financial, communications and other business services	8222	assistant platform superintendent
0016	assistant executive director - goods production, utilities, transportation and construction	0431	assistant police commissioner
0012	assistant executive director - government services	1214	assistant postmaster/mistress
0014	assistant executive director - health, education, social and community services and membership organizations	7381	assistant press operator - printing
6312	assistant executive housekeeper	1123	assistant press secretary
1112	assistant financial analyst	7381	assistant pressman/woman - printing
1212	assistant financial institution accountant - financial services	7381	assistant pressman/woman
6346	assistant funeral director	0422	assistant principal
0731	assistant general agent - railway	4011	assistant professor - university
0012	assistant general director - government services	4011	assistant professor, botany - university
4112	assistant general solicitor	4011	assistant professor, history - university
6221	assistant grain elevator manager	4112	assistant regional counsel
2222	assistant grain inspector	0122	assistant regional manager - banking
3011	assistant head nurse	1227	assistant registrar - courts
6312	assistant housekeeping manager	5212	assistant registrar - museum
4112	assistant legal advisor	0422	assistant school district superintendent
0631	assistant manager - bar	0714	assistant shopping centre manager
0621	assistant manager - food store	0714	assistant shopping mall manager
0621	assistant manager - retail	5225	assistant sound editor
0711	assistant manager, construction	0731	assistant superintendent - railway
0122	assistant manager, consumer credit	0422	assistant superintendent of schools
0122	assistant manager, corporate banking services	0511	assistant superintendent, historical park
0122	assistant manager, credit	8222	assistant superintendent, offshore drilling rig
0632	assistant manager, hotel	3217	assistant supervisor, cardiology
0122	assistant manager, operations - banking, credit and investment	8222	assistant toolpusher - offshore drilling rig
0631	assistant manager, restaurant	0731	assistant traffic manager - transportation
0731	assistant manager, traffic and transportation	7244	assistant transmission lineman/woman - electric power systems
9461	assistant miller - food and beverage processing	0731	assistant transportation manager
4154	assistant minister - religion	0111	assistant treasurer - finances
0511	assistant museum administrator	0012	assistant undersecretary of state
5112	assistant museum curator	1313	assistant underwriter - insurance
0511	assistant museum director	6513	assistant waiter/waitress - food and beverage services
5211	assistant music librarian	0714	assistant warehouse manager
9472	assistant newspaper make-up man/woman	3414	assistant, acupuncture
0311	assistant nursing services administrator	2272	assistant, air traffic control
8222	assistant offshore drilling rig superintendent	2251	assistant, architectural
0122	assistant operations manager - banking, credit and investment	3237	assistant, audiometric
9232	assistant operator - chemical processing	3414	assistant, autopsies
7381	assistant operator, printing press	3414	assistant, blood donor clinic
3234	assistant paramedic	3414	assistant, chiropractic health
		3414	assistant, clinic - medical
		3237	assistant, communication disorders
		4413	assistant, educational
		3413	assistant, emergency medical care
		3237	assistant, hearing aid
		3414	assistant, herbal medicine
		2211	assistant, laboratory - applied chemistry
		1451	assistant, library
		3212	assistant, medical laboratory
		3237	assistant, occupational therapist
		3237	assistant, occupational therapy

3237	assistant, ophthalmic	9537	attacher, heels
3414	assistant, orthopedic	6722	attendance checker
3212	assistant, pathology	1211	attendance records supervisor
3414	assistant, phytotherapy	4412	attendant for persons with a visual impairment - home care
4413	assistant, secondary school teacher's	4412	attendant for persons with disabilities - home care
4212	assistant, social services	3234	attendant, advanced life support
4413	assistant, special education	3234	attendant, ambulance
3237	assistant, speech language	6722	attendant, amusement park
3237	assistant, speech therapy	6722	attendant, amusement ride
4413	assistant, teacher's	3213	attendant, animal operating room
3237	assistive listening device technician	6563	attendant, animal
2161	associate actuary	5211	attendant, archive
6232	associate broker - real estate	6722	attendant, athletic equipment
4111	associate chief justice	6512	attendant, bar
4112	associate counsel	6742	attendant, beauty salon
5122	associate editor	6722	attendant, bicycle rental
4112	associate lawyer	6722	attendant, billiard parlour
4112	associate legal advisor	6722	attendant, bingo hall
4112	associate legal counsel	3414	attendant, blood sampling
5111	associate librarian	6722	attendant, boat rental
4011	associate professor - university	6722	attendant, bowling alley
4011	associate professor, linguistics	6722	attendant, bungee jump
0421	associate registrar	6711	attendant, cafeteria-buffet
0422	associate superintendent - schools	6722	attendant, campground
0423	association director	6742	attendant, car
0014	association executive director	6742	attendant, checkroom
0423	association manager	4413	attendant, child care - elementary school
2121	astrobiologist	9614	attendant, chip bin - wood processing
6564	astrologer	6722	attendant, clubhouse
6564	astrologist	6522	attendant, commissary - air transport
2115	astronaut	6722	attendant, drive-in theatre
2111	astronomer	6722	attendant, driving range
4011	astronomy professor - university	7533	attendant, ferry terminal
2111	astrophysicist	9611	attendant, filtering - primary metal and mineral products processing
2272	ATC (air traffic controller)	6522	attendant, flight
1123	athlete agent	6711	attendant, food service counter
5251	athlete	3414	attendant, fracture room
1123	athletes manager	6742	attendant, funeral home
5252	athletic boxing trainer	6742	attendant, fur storage
6722	athletic equipment attendant	6742	attendant, garage
6722	athletic equipment custodian	6621	attendant, gas bar (except self-service)
0714	athletic facility manager	6541	attendant, gate - security
3144	athletic therapist	6722	attendant, go-kart ride
3144	athletic trainer - therapy	6722	attendant, go-kart track
5252	athletics coach	6722	attendant, golf range
5254	athletics instructor	3413	attendant, hospital
5253	athletics judge	6721	attendant, hotel guest services
5252	athletics team coach	6722	attendant, ice rink
1434	ATM (automatic teller machine) clerk	3234	attendant, infant transport
6541	ATM (automatic teller machine) guard	6722	attendant, J-bar
2112	atmospheric chemist	6742	attendant, laundromat
2111	atmospheric physicist	6741	attendant, laundry
9537	atomic fuel bundle assembler	6722	attendant, leisure and sports
9535	atomizer cap machine tender	6722	attendant, leisure facility
9611	atomizer operator - primary metal and mineral products processing		
4168	attaché		

6722	attendant, leisure	0011	attorney general
8431	attendant, livestock yard	4112	attorney
8613	attendant, lobster pound	4112	attorney-at-law
6742	attendant, locker room	4112	attorney's assistant chief agent
7531	attendant, locomotives - railway yard	4411	au pair girl
6621	attendant, marina	4411	au pair
6722	attendant, mini-golf	1411	auction clerk
3414	attendant, morgue	6411	auctioneer
3413	attendant, nursing home	2241	audio amplifier repairer - production
3413	attendant, nursing	2133	audio engineer - electricity and electronics
6722	attendant, park	5225	audio engineer - recording studio
6742	attendant, parking lot	6421	audio equipment consultant - retail
3413	attendant, personal care - medical	6421	audio equipment salesperson - retail
6563	attendant, pet shop	6421	audio equipment salesperson
3414	attendant, physiotherapy	0621	audio equipment store manager
3414	attendant, plaster room	5225	audio operator assistant
6722	attendant, pool parlour	5225	audio operator
3414	attendant, post-mortem	5225	audio recording studio operator
6722	attendant, recreation and sports	2242	audio stereo technician
6722	attendant, recreation park	5225	audio technician
6722	attendant, recreation	3237	audiological technician
6722	attendant, recreational camp	3141	audiologist, research
6722	attendant, recreational facility	3141	audiologist
6722	attendant, ride	0311	audiology and speech language pathology, chief of
6722	attendant, rink	0311	audiology and speech language pathology, director of
6722	attendant, rope tow	3141	audiology clinician
6742	attendant, sauna room	3141	audiology specialist
6621	attendant, service station	3237	audiology technician
6722	attendant, ski lift	3237	audiometric aide
6722	attendant, ski tow	3237	audiometric assistant
6721	attendant, sleeping car	3237	audiometric technician - public health
6722	attendant, snowmaking facility	3237	audiometric technician
3413	attendant, special care facility	3237	audiometrician
6722	attendant, sport	3237	audiometrist aide
6722	attendant, sports and leisure	3237	audiometrist
6722	attendant, sports and recreation	2242	audio-video repair technician
6722	attendant, sports centre	2242	audio-video service technician
6722	attendant, sports equipment	5227	audiovisual (AV) assistant - motion pictures and broadcasting
6742	attendant, sports facility	2242	audiovisual (AV) equipment installer and repairer
6742	attendant, steam room	2242	audiovisual (AV) equipment repair supervisor
8431	attendant, stockyard	5131	audiovisual (AV) producer
6742	attendant, suntan salon	5225	audiovisual (AV) technician
6742	attendant, suntan studio	6721	audiovisual helper
6711	attendant, take-out - fast food	0111	audit and compliance director
6722	attendant, T-bar	1431	audit clerk
6722	attendant, tennis court	0125	audit firm manager
6742	attendant, theatre	1228	audit reviewer - taxation
6742	attendant, toll booth	1111	audit unit head - taxation
6552	attendant, tourist booth	1431	auditing clerk
6722	attendant, tourist camp	0111	auditing department manager
6552	attendant, tourist information office	0125	auditing firm manager
6722	attendant, trailer campsite	1111	auditor - finance
6722	attendant, trailer park	2171	auditor, systems
6742	attendant, turnstile		
7452	attendant, used building materials yard		
6563	attendant, veterinary		
6722	attendant, waterslide		

1111	auditor-CA (chartered accountant)	9523	automatic component-assembly-machine operator - electronic equipment manufacturing
1111	auditor-chartered accountant (CA)		
1111	auditors supervisor		
9414	auger machine operator, drain tiles - clay products	9416	automatic cut-off operator - metal fabrication
		9416	automatic cut-off saw operator - metal products manufacturing
3232	auriculotherapist		
5121	author	7441	automatic door system installer and servicer
5132	author-composer-performer	7441	automatic door system installer
1452	authorization clerk	7441	automatic door system servicer
1123	author's agent	9442	automatic embroidery machine tender
9522	auto assembly worker	7441	automatic garage door installer
7237	auto body solderer	9413	automatic glass-cutting table operator
6732	auto care worker	9414	automatic jigger man/woman - clay products
0621	auto dealership manager	9414	automatic jigger operator - clay products
6732	auto detailer	7311	automatic knitting machine pattern setter
7322	auto glass installer	9537	automatic lathe operator - clock
0621	auto glass repair shop manager	9612	automatic machine polisher - metal products manufacturing
9522	auto parts assembler		
1522	auto parts clerk - retail	9418	automatic machine polisher, metal
7231	auto parts machine shop inspector	9412	automatic moulding machine operator - foundry
0621	auto rustproofing shop manager		
7322	autobody mechanic	9437	automatic nailing machine operator - woodworking
7322	autobody repairer		
7322	autobody technician - collision	9536	automatic paint-sprayer operator
7322	autobody technician - refinishing	7452	automatic pallet equipment operator
7322	autobody technician	9435	automatic paper-cutting machine operator - paper converting
7322	autobody worker		
9421	autoclave operator - chemical processing	9441	automatic quiller tender - textile manufacturing
9441	autoclave tender - textile manufacturing		
4216	auto-driving instructor	9611	automatic scrap washer operator
9472	automated letterer-engraver	9417	automatic screw machine operator
9537	automated line assembler, clock and timer movements	9413	automatic sealing gun operator - glass
		9446	automatic sewing machine operator
9417	automated machine tool set-up operator	9437	automatic shaper operator - woodworking
9537	automated sphere-polishing machine operator	9442	automatic stocking loom tender
		1434	automatic teller machine (ATM) clerk
7452	automated storage and retrieval system operator	6541	automatic teller machine (ATM) guard
		2242	automatic teller machine (ATM) servicer
9241	automated substation operator - electrical power systems	9417	automatic transfer machine operator - metal machining
7237	automated welding machine operator - flash butt process	7321	automatic transmission mechanic - motor vehicle
7531	automatic anchor-applicator operator - railway	7321	automatic transmission technician - motor vehicles
9418	automatic bolt machine operator	9434	automatic veneer clipper tender - wood processing
9435	automatic carton maker - paper converting		
9435	automatic carton-making machine operator - paper converting	7237	automatic welding machine operator
		9523	automatic wire-wrapping machine tender - electronic equipment manufacturing
9412	automatic casting machine operator - foundry	5111	automation librarian
9418	automatic coil machine operator	2232	automation technologist
9527	automatic coil winder - electrical equipment manufacturing	9522	automobile accessories installer and repairer
		9522	automobile accessories installer
9524	automatic coil winder operator - electrical equipment manufacturing	6421	automobile accessories salesperson - retail
		1313	automobile and home insurance consultant
9418	automatic coiling machine operator - metal products manufacturing	1314	automobile appraiser
		9522	automobile assembler

9221	automobile assembly foreman/woman	6421	automobile-rental counter representative
9536	automobile assembly line painter	7321	automotive air conditioning mechanic
9536	automobile assembly painter	9522	automotive assembler - motor vehicle manufacturing
9522	automobile assembly worker		
0014	automobile association executive director	7322	automotive body mechanic
7612	automobile body repairer helper	7322	automotive body painter
7322	automobile body repairman/woman	7301	automotive body repair foreman/woman
7612	automobile bumper straightener	7301	automotive body repair shop supervisor
7511	automobile carrier driver	7322	automotive body repairer
1312	automobile claims technical adjuster	7322	automotive body repairer-painter
6732	automobile cleaner	7301	automotive body shop foreman/woman
7322	automobile damage repair estimator	7301	automotive body shop supervisor
6552	automobile dealerships service representative	7322	automotive body technician
		7321	automotive brake mechanic
9536	automobile dipper-painter	7321	automotive brake repairer
0651	automobile driver training school manager	7321	automotive brake specialist
0651	automobile driving school manager	7321	automotive carburetor mechanic
9522	automobile engine tester - automobile assembly	7445	automotive dismantler
		9535	automotive door panelling assembler - plastic products manufacturing
9522	automobile final inspector - automobile assembly	7321	automotive drive trains technician
9526	automobile gear assembler	7321	automotive electrical and tune-up service technician
9522	automobile hood assembler - motor vehicle manufacturing	7321	automotive electrical mechanic
9522	automobile inspector - motor vehicle manufacturing	7321	automotive electrical technician
9522	automobile inspector and tester - motor vehicle manufacturing	7612	automotive electrician helper
		9522	automotive electronic accessories installer and repairer - motor vehicle manufacturing
6231	automobile insurance agent	9526	automotive engine accessories assembler
6231	automobile insurance salesman/woman	9526	automotive engine assembler
0911	automobile interior fittings production manager	7321	automotive engine mechanic inspector
		9522	automotive engine quality control inspector
6421	automobile leasing agent	9526	automotive engine quality-control assembly inspector
6421	automobile leasing representative		
7535	automobile lubricator	7301	automotive engine repair foreman/woman
7321	automobile mechanic	2132	automotive engineer
7301	automobile mechanics foreman/woman	7322	automotive glass technician
9536	automobile painter - motor vehicle manufacturing	7201	automotive machine shop foreman/woman
		7231	automotive machinist
7322	automobile polisher-sander - motor vehicle repair	7445	automotive maintenance equipment servicer
		7612	automotive mechanic helper
0911	automobile production manager	7321	automotive mechanic
5251	automobile racer	7321	automotive mechanical repairer
9522	automobile radio and accessories installer - motor vehicle manufacturing	7535	automotive muffler installer
		7322	automotive painter - motor vehicle repair
0621	automobile repair garage manager	7322	automotive painter apprentice
0621	automobile repair shop manager	7322	automotive painting and refinishing technician
4421	automobile reposessor		
6421	automobile sales representative - retail	1522	automotive parts clerk - retail
6421	automobile salesperson	6411	automotive parts sales representative - wholesale (non-technical)
7321	automobile service mechanic		
0621	automobile servicing manager	6411	automotive parts salesperson - wholesale
9214	automobile tire builders foreman/woman	1522	automotive partsperson - retail
7511	automobile transport driver	1522	automotive partsperson apprentice
1313	automobile underwriter - insurance	9526	automotive production fitter
6345	automobile upholsterer	9526	automotive radiator assembler
7445	automobile wrecker		

7535	automotive radiator installer - automotive repair	9241	auxiliary plant operator
7535	automotive radiator installer	5227	AV (audiovisual) assistant
7321	automotive radiator mechanic apprentice	5225	AV (audiovisual) technician
7321	automotive radiator mechanic	2255	avalanche controller
7321	automotive radiator repairer	2255	avalanche observer
7301	automotive repair and service shop supervisor	3114	avian veterinarian
4021	automotive repair instructor - community college	5112	aviation and space museum curator
7321	automotive repairer	2244	aviation electrical components technician
9423	automotive rubber parts cutter	2244	aviation electronic components technician
7301	automotive service mechanics foreman/woman	2244	aviation instrument technician
7301	automotive service mechanics supervisor	7231	aviation machinist
7321	automotive service technician - electrical and fuel systems	7315	aviation maintenance inspector
7321	automotive service technician - fuel and electronics systems	7315	aviation mechanical component shop technician
7321	automotive service technician - steering, suspension and brakes	3219	aviation medicine technician
7321	automotive service technician - transmission	9536	aviation painter
7321	automotive service technician apprentice	1522	aviation partsperson
7321	automotive service technician	0421	aviation school manager
7535	automotive shock absorber installer	7237	aviation welding technician
7535	automotive spring installer	2244	avionics and electronics calibration specialist
7321	automotive technician - air conditioning system	9523	avionics assembler
7321	automotive technician - automatic transmission systems	2133	avionics engineer
7321	automotive technician - brakes systems	9523	avionics equipment assembler
7321	automotive technician - electrical and electronic systems	2244	avionics inspector
7321	automotive technician - engine and fuel systems	2244	avionics maintenance technician
7321	automotive technician - front-end systems	2244	avionics mechanic
7321	automotive technician - fuel systems	1215	avionics service supervisor
7321	automotive technician - standard transmission systems	2244	avionics systems installer
7321	automotive technician - transmission systems	2244	avionics technician
7321	automotive technician, drive trains	7445	awning and tent repairer
7301	automotive testing shop supervisor	7441	awning erector
6345	automotive upholsterer	9537	awning frame assembler
7321	automotive vehicle tester	7611	awning installer helper
7321	automotive vehicle testing mechanic	7441	awning installer
9525	automotive wiring harness inspector - industrial electrical equipment	9537	awning maker, aluminum
7333	automotive-generator and starter repairer	9537	awning maker, canvas
3414	autopsy assistant	9522	axle assembler - automobile assembly
3414	autopsy attendant	9418	axle cutter
3111	autopsy pathologist	9417	axle lathe operator
3414	autopsy technician	9442	Axminster carpet weaver
3211	autopsy technologist - medical laboratory	3232	ayurvedic practitioner
9411	auxiliary equipment operator - primary metal processing		
9241	auxiliary equipment operator		

B

baby carriage assembler
 baby carriage assembly foreman/woman
 baby-care worker assistant
 baby-care worker
 baby-care workers supervisor
 babysitter - fitness centre
 babysitter - shopping centre
 babysitter
 baccarat croupier
 back padder - furniture manufacturing
 back strip machine tender - rubber products manufacturing

9441	back tender - cloth printing	4421	bailiff
9433	back tender, paper machine	9422	bakelite mixer operator - plastic manufacturing
8411	backfill plant operator - underground mining		
8411	backfiller - underground mining	9461	Bake-off equipment tender - food and beverage processing
5241	background artist		
7312	backhoe mechanic	6332	baker - retail
7521	backhoe operator	6332	baker apprentice
9421	backing-in machine tender	9617	baker helper
9523	backplane and frame wiring operator	9414	baker, bricks - clay products
5133	back-up musician	6332	baker, pâtissier
9461	bacon curer	6332	baker, specialty foods - retail
9465	bacon grader	6332	baker, specialty foods
2221	bacteriological technician	6332	baker
2221	bacteriological technologist	6622	bakery assistant - food store
2121	bacteriologist - animal health	6332	bakery bench hand
2121	bacteriologist	6421	bakery clerk
4011	bacteriology professor - university	6421	bakery counter clerk
5251	badminton player	7514	bakery deliveryman/woman
6622	bag boy/girl	0621	bakery department manager
6622	bag clerk	9213	bakery foreman/woman - food and beverage processing
9619	bag liner - packaging		
9422	bag machine operator	6421	bakery goods sales clerk
5244	bag maker - arts and crafts	9617	bakery labourer
9435	bag maker - paper converting	9461	bakery machine operator - food and beverage processing
9537	bag maker, leather		
9435	bag maker, paper	7311	bakery machinery mechanic
9435	bag repairer - paper products	0621	bakery manager - food store
9446	bag sewer - textile manufacturing	0621	bakery manager - retail
9446	bag sewer, leather	9213	bakery plant supervisor
6332	bagel baker	9617	bakery products bander
6332	bagel maker	9617	bakery products divider - food and beverage processing
6523	baggage agent - airline		
6524	baggage agent - railway	9617	bakery products packager
6524	baggage agent (except airline)	9617	bakery products wrapper
6524	baggage clerk (except airline)	7514	bakery route salesman/woman
6313	baggage handler supervisor	6332	bakery supervisor - retail
6721	baggage handler	6211	bakery supervisor - supermarket
1228	baggage inspector, customs	6332	bakery supervisor
7534	baggage loader - air transport	9213	baking and confectionery making foreman/woman
6721	baggage master		
6313	baggage porter supervisor	9213	baking foreman/woman - food and beverage processing
6721	baggage porter		
6523	baggage tracer, airline	5244	balalaika maker
6523	baggage tracing agent - airline	1431	balance clerk
9617	bagger - food and beverage processing	9527	balancing machine operator - electrical equipment manufacturing
9619	bagger, garments - garment manufacturing		
6741	bagger, laundry and dry cleaning	9527	balancing machine operator - small electric motors
9619	bagging machine feeder		
9461	bagging machine setter	9527	balancing machine tender - electrical equipment manufacturing
9461	bagging machine set-up man/woman		
9611	baghouse attendant - mineral processing	9611	balcony labourer - glass manufacturing
9411	baghouse operator	9611	balcony worker - glass manufacturing
9422	bag-making machine operator - plastic manufacturing	9441	bale breaker - textile manufacturing
		9616	bale checker - textile processing
9435	bag-making machine set-up operator - paper converting	9441	bale-breaker tender - textile manufacturing
		8431	baler - agriculture
9614	bag-making machine tender helper	9432	baler - pulp and paper

9619	baler tender - packaging	9423	banbury mixer operator - rubber products manufacturing
9619	baler tender		
9619	baler, cloth - textiles	9422	banbury operator - plastic manufacturing
9611	baler, scrap metal - primary metal processing	9423	banbury operator - rubber products manufacturing
9433	balerman/woman - pulp and paper		
9619	balerworker	1221	band administrator
8431	baling machine operator - farm	9423	band assembler - rubber products manufacturing
9615	baling machine tender - rubber and plastic products manufacturing	0011	band chief, First Nations
9619	baling press tender - printing	5132	band conductor
9433	baling press tender - pulp and paper	5132	band director
9615	baling press tender - rubber and plastic products manufacturing	0012	band manager - First Nations
9226	ball and roller-bearings assembly foreman/woman	9619	band nailer - wood products
9537	ball bearing inspector	9437	band resaw operator - woodworking
9537	ball bearing tester	9437	band ripsaw operator - woodworking
9442	ball fringe machine tender	9437	band saw operator - woodworking
9442	ball fringe maker, machine	9437	band saw tender - woodworking
9537	ball maker, billiards	9423	band scroll saw operator - woodworking
9211	ball mill foreman/woman - mineral products processing	9619	band stock preparer - rubber products manufacturing
9611	ball mill helper - mineral products processing	9619	bander, crates
9611	ball mill labourer - mineral products processing	9617	bander, paper goods
9411	ball mill operator	9437	banding machine tender - tobacco products
9611	ball mill worker - mineral products processing	9413	banding machine tender - woodworking
9619	ball weigher - toy manufacturing	9442	banding machine tender, glassware
8412	ballast control operator - offshore drilling rig	5132	band-knitting machine operator
7531	ballast regulator operator - railway	7452	bandmaster
9524	ballast transformer assembler	9619	bandoleer packer - explosives manufacturing
9524	ballast transformer tester	9437	bandoleer straightener-stamper
7531	ballast-equalizer operator - railway	1111	band-sawing machine tender - woodworking
7531	ballast-leveller operator - railway	0122	bank branch accountant
5134	ballerina	1434	bank branch manager
0512	ballet company director	1212	bank clerk
5134	ballet dancer	0013	bank clerks supervisor
5134	ballet master	6551	bank credit vice-president
5134	ballet teacher	0122	bank customer service officer
2115	ballistician	1114	bank director
2115	ballistics examiner	0122	bank inspector
9615	balloon collar roller - rubber products manufacturing	1513	bank manager
9615	balloon form stripper and cleaner - rubber products manufacturing	5241	bank messenger
9615	balloon leacher and curer - rubber products manufacturing	0013	bank note designer
6532	balloon pilot	1111	bank president
9471	balloon printer	1513	bank reserves auditor
6722	ballracker, billiards	6551	bank runner
5134	ballroom dancing teacher	0122	bank teller
9423	banbury machine operator - rubber products manufacturing	6235	banking accounts manager
9422	banbury mixer operator - plastic manufacturing	0122	banking accounts officer
		1111	banking operations manager
		6513	bankruptcy trustee
		6321	banquet captain
		6322	banquet chef
		6513	banquet cook
		0631	banquet headwaiter/headwaitress
		6721	banquet manager
		6513	banquet porter
		6513	banquet server
		6513	banquet waiter/waitress

9533	banquette assembler - wood product manufacturing	9411	bar-straightening machine operator - metal processing
6512	bar attendant	6711	bartender helper
6711	bar helper	6512	bartender, tap
0631	bar manager	6512	bartender
9231	bar mill finisher - primary metal processing	6512	bartenders supervisor
6513	bar service waiter/waitress	9527	base filler - electrical equipment manufacturing
6512	bar steward	9537	baseball centre winder
9418	barbed wire machine tender	5252	baseball coach
6341	barber apprentice	9619	baseball glove shaper
0651	barber shop manager	9537	baseball maker
6341	barber	5252	baseball manager-coach
1121	bargaining agent	5251	baseball player
7533	barge captain	5252	baseball scout
7532	barge deckhand	5252	baseball team coach
7451	barge loader	9527	base-filling machine operator - electrical equipment manufacturing
7533	barge operator	9523	base-filling machine operator - electronic equipment manufacturing
6711	barista	9527	base-filling machine tender - electrical equipment manufacturing
5133	baritone	9463	basket filter tender - fish and seafood processing
6512	barkeeper	9437	basket machine operator - woodworking
9434	barker operator - wood processing	9418	basket maker, wire
9434	barker operator	9533	basket maker, wood
9614	barking machine cleaner - wood processing	9461	basket unloader
9434	barking machine operator - wood processing	5244	basket weaver
6512	barmaid	9537	basketball coverer
6512	barman/barwoman	5251	basketball player
6512	barman/woman, beer	5252	basketball scout
8431	barn worker	5252	basketball team coach
9537	barometer assembler	5133	bass drum teacher - private, conservatory or studio lessons
9437	barrel assembler	5133	bass player
9533	barrel builder, wood	5133	bass
9619	barrel charrer	5133	basoon teacher - private, conservatory or studio lessons
9617	barrel cleaner - food and beverage processing	9446	basting machine operator - sewing
9437	barrel cooper - woodworking	9446	basting sewing machine operator, automatic
9437	barrel end fitter, wood - woodworking	9432	batch digester operator
9533	barrel end fitter, wood	9613	batch dryer tender helper
9437	barrel end machine tender - woodworking	9441	batch dyer - textile manufacturing
9437	barrel end sawyer	9421	batch mixer - chemical processing
9617	barrel filler - food and beverage processing	9461	batch mixer, feed - food and beverage processing
9533	barrel header, wood	9235	batch operator - pulp and paper
9533	barrel heading fitter, wood	9413	batch plant tender - glass
9437	barrel heading sawyer	9432	batch process cook - pulp and paper
9533	barrel inspector - wood products manufacturing	9421	batch still operator
9619	barrel liner, hand	9232	batching chemical process operator
9533	barrel maker, wood	9441	bater - hide and pelt processing
9417	barrel rifler	9613	bath mix solvent recoverer
9533	barrel stave assembler, wood	9536	bathtub refinisher
9619	barrel stave leveller - wood products manufacturing	9536	bathtub varnisher
9619	barrel straightener	5244	batik artisan
9417	barrel threader, small arms		
9437	barrel-header fitter, wood - woodworking		
4112	barrister and solicitor		
4112	barrister		

5134	baton twirling instructor	9614	beater helper - pulp and paper
9461	batter and dough mixer - food and beverage processing	9432	beater operator - pulp and paper
7611	batterboard setter	9614	beater operator helper - pulp and paper
9421	battery acid adjuster	9215	beater room foreman/woman - pulp and paper
9619	battery acid dumper	9235	beater room lead hand - pulp and paper
9527	battery assembler	9441	beating machine tender - hide and pelt processing
9527	battery case inspector and tester	6562	beautician
9527	battery charger - electrical equipment manufacturing	6562	beauty care specialist
9527	battery charger assembler	6562	beauty culture operator
9527	battery charger operator - electrical equipment manufacturing	4216	beauty culture school instructor
9522	battery installer - motor vehicle manufacturing	6562	beauty culturist
9612	battery lead burner helper	6623	beauty products consultant - door-to-door sales
7237	battery lead burner	6742	beauty products representative - home sales
7237	battery lead-burner operator	2263	beauty salon attendant
9616	battery loader - textile processing	6341	beauty salon inspector
9527	battery maker	6742	beauty salon operator
9421	battery paste maker	0651	beauty salon supplies attendant
9421	battery paste mixer	6562	beauty shop manager
9619	battery plate offbearer	8442	beauty treatment operator
9441	batting machine tender - textile manufacturing	0632	beaver trapper
5254	beach lifeguard	0632	bed and breakfast manager
7533	beachcomber	9532	bed and breakfast operator
9615	bead picker - rubber products manufacturing	3012	bed assembler
9537	bead stringer	9532	bedside nurse
9423	bead-forming machine operator - rubber products manufacturing	8431	bedspring stretcher
9418	beading machine operator - metal products manufacturing	9462	bee farm worker
9423	beading machine operator - rubber products manufacturing	9462	beef boner - meat packing plant
5244	beadworker, hand	8431	beef boner
9413	beaker tester	0821	beef cattle farm worker
9442	beam changer - textiles	8252	beef cattle farmer
9217	beam department foreman/woman - hide and pelt processing	9462	beef cattle herdsman
9441	beam dyer - textile manufacturing	9213	beef cooler worker - meat packing plant
9441	beam setter - textile manufacturing	9465	beef dressing foreman/woman
9441	beam tier - textile manufacturing	9617	beef grader
8262	beam trawl fisherman/woman	0821	beef marker - food and beverage processing
9441	beam warper - textile manufacturing	9462	beef producer
9616	beam warper helper - textile processing	9462	beef sticker - meat packing plant
9441	beamer - hide and pelt processing	9462	beef trimmer - meat packing plant
9441	beamer - textile manufacturing	0821	beef-pluck trimmer
9441	beamhouse worker - hide and pelt processing	8431	beekeeper
0821	bean sprout farmer	6512	beekeeping technician
0821	bean sprout grower	9465	beer barman/woman
9537	bearing assembler	9461	beer bottling line quality control tester
9417	bearing borer	9461	beer carton packer
9417	bearing grinder	9461	beer filter operator
9537	bearing inspector	9461	beer pasteurizer
9235	beater engineer - pulp and paper	6411	beer sales representative - wholesale
		9617	beer sampler - food and beverage processing
		6513	beer server
		0621	beer store manager
		6421	beer store sales clerk
		9465	beer tester
		7445	beer-dispensing equipment repairer

9461	beet pulp press tender	9612	bench hand, machine shop - metal products manufacturing
9617	beet washer helper	7233	bench hand, sheet metal mechanic
9617	beet washer	9533	bench hand, wooden box
0311	behaviour therapy services director	7232	bench jig maker
4153	behavioural consultant	9536	bench lacquer sprayer
4151	behavioural modification psychologist	9418	bench loom wire weaver
4151	behavioural psychologist	9437	bench machine operator - woodworking
4151	behavioural therapist	7231	bench machinist
4151	behaviourist	9412	bench moulder - foundry
6313	bell captain	6344	bench moulder - jewellery
6721	bellhop	3223	bench moulder, dentures
5244	bellows maker	9412	bench moulder
5134	belly dancer	9417	bench set-up operator, machine tool
9423	belt brander - rubber products manufacturing	9536	bench spray painter
9423	belt buffer, rubber	7232	bench stamping die maker
9615	belt builder helper - rubber products manufacturing	7232	bench tool maker
9615	belt builder helper	9523	bench worker - electronic equipment manufacturing
9423	belt builder, rubber	9532	bench worker - furniture manufacturing
9214	belt building foreman/woman - rubber and plastic manufacturing	9619	bench worker - garment manufacturing
7452	belt conveyor attendant	9524	bench worker, electrical appliances
9619	belt edge stainer	3414	bench worker, ophthalmic goods
9535	belt laminator, hand - plastic products manufacturing	9537	bench worker, pianos and organs
9619	belt liner	9462	benchman/woman - meat packing plant
9619	belt maker, leather	9416	bender set-up operator - metal products manufacturing
9423	belt maker, rubber	9414	bender, clay pipes
7445	belt repairer, industrial	9437	bender, lacrosse sticks - woodworking
9437	belt sander - woodworking	9612	bending machine helper - metal products manufacturing
9537	belt-maker operator	9416	bending machine operator - metal forging
7452	beltman/woman	7611	bending machine operator - pipelines
9521	bench and structural assembler - aircraft assembly	9416	bending machine set-up operator - metal fabrication
9521	bench and structural assembler	9416	bending machine tender - metal fabrication
9523	bench assembler - electronic equipment manufacturing	9416	bending machine tender - metal products manufacturing
9533	bench assembler - wood products manufacturing	9416	bending press operator - metal fabrication
9526	bench assembler, agricultural implements	9416	bending roll operator - metal fabrication
9521	bench assembler, aircraft	1434	benefits and entitlement clerk - insurance
9524	bench assembler, electrical appliances	1432	benefits and pension plan officer
9533	bench assembler, wood products	1121	benefits consultant
9227	bench assemblers foreman/woman - wood products manufacturing	0112	benefits manager
8231	bench blaster - underground mining	1432	benefits officer
9412	bench coremaker - foundry	9232	benzol agitator operator
7232	bench die cutter	4153	bereavement counsellor
7232	bench die fitter	8611	berry picker
7232	bench die sinker	5227	best boy
9521	bench fitter - aircraft assembly	9619	beveller - shoe manufacturing
9526	bench fitter - buses and trucks	9413	beveller, glass
9521	bench fitter mechanic - aircraft assembly	9537	beveller, hand lenses - non-prescription
9612	bench grinder - metal products manufacturing	9414	beveller, stones
9537	bench hand - jewellery manufacturing	9465	beverage and bottle inspector
6332	bench hand, bakery	9465	beverage inspector
		0631	beverage service manager
		9461	beverage-canning machine operator

9423	bias cutter - rubber products manufacturing	1212	billing supervisor
9615	bias cutting machine operator helper - rubber products manufacturing	1212	billing unit head
9423	bias cutting operator - rubber products manufacturing	7452	bin attendant
9445	bias-cutting machine tender - fabric, fur and leather products manufacturing	9617	bin cleaner - food and beverage processing
4021	Bible college teacher	7452	bin filler
4021	Bible school teacher	9473	binder - printing
5111	bibliographer	9473	binder and finisher - printing
9537	bicycle assembler	9473	binder and finisher
9227	bicycle assembly foreman/woman	9473	binder assistant
9537	bicycle inspector	9619	binder helper - printing
7445	bicycle mechanic	8431	binder operator - agriculture
6722	bicycle rental attendant	9473	binder, machine - printing
7205	bicycle repair shop supervisor	7303	binders foreman/woman - printing
7445	bicycle repairer	7303	binders supervisor - printing
6421	bicycle salesperson - retail	7303	bindery foreman/woman - printing
0621	bicycle shop manager	9619	bindery helper
6531	bicycle tour guide	9619	bindery labourer
0414	bilateral relations chief	9619	bindery machine feeder - printing
0423	bilateral relations manager - social services	9473	bindery machine operator - printing
5122	bilingual editor	9473	bindery operator
1221	bilingual services co-ordinator	7303	bindery supervisor - printing
1431	bill clerk	9473	bindery worker - printing
1435	bill collector	7303	bindery workers supervisor - printing
6552	bill complaints investigator	9473	binding and finishing machine operator
1513	bill distributor	9446	binding machine operator - sewing
7611	bill poster	9446	binding sewing machine operator
1411	bill sorter	9446	binding stitcher - footwear manufacturing
7441	billboard erector	6722	bingo caller
9411	billet caster, zinc	6722	bingo floor attendant
9411	billet heater	6722	bingo floorman/woman
9611	billet helper - primary metal processing	6316	bingo games supervisor
9611	billet mill helper - primary metal processing	6722	bingo hall attendant
9231	billet mill roller - primary metal processing	7452	binman/woman
9611	billet pusher	2112	bioanalytical chemist
9611	billet rolling mill helper - primary metal processing	2134	biochemical and biotechnical engineer
7445	billiard and bowling equipment installer-repairer	2134	biochemical development engineer
9537	billiard ball maker	2134	biochemical engineer
9537	billiard cloth inspector	3212	biochemical technician - medical laboratory
9437	billiard cue maker	3111	biochemist, medical - physician
7445	billiard cue weigher	2112	biochemist
6722	billiard parlour attendant	2211	biochemistry laboratory technician
6316	billiard parlour supervisor	2211	biochemistry laboratory technologist
5251	billiard player	4011	biochemistry professor - university
9532	billiard table assembler	2112	biochemistry research scientist
9537	billiard table cushion moulder	2211	biochemistry technician (except medical)
7445	billiard table repairer	3211	biochemistry technologist - medical laboratory
7445	billiard table servicer	2211	biochemistry technologist (except medical)
6722	billiards ballracker	2211	biochemistry technologist
1431	billing clerk	2148	bioelectrical engineer
1212	billing co-ordinator	4169	biogeographer
1431	billing machine operator	5121	biographer
1521	billing rate clerk	2121	bioinformatician
		3144	biokineticist
		2161	biological and agricultural science statistician
		4169	biological anthropologist
		2112	biological chemist

5241	biological illustrator	9421	black powder press tender
2221	biological laboratory technologist	9619	blackboard eraser maker
2113	biological oceanographer	9537	blackboard maker
0212	biological research department chief	6533	blackjack croupier
2121	biological scientist	7384	blacksmith - agriculture
3212	biological technician - medical laboratory	7384	blacksmith - manufacturing
2221	biological technician	9612	blacksmith helper
2221	biological technologist	7201	blacksmith shop foreman/woman
2121	biologist, enzymology	7384	blacksmith, farm
2121	biologist, medical parasitology	7384	blacksmith
2121	biologist, parasitology	7611	blacktop raker
2121	biologist, protozoology	7611	blacktop spreader
2121	biologist, veterinary parasitology	9423	bladder moulder - rubber products manufacturing
2121	biologist		
4011	biology professor - university	9461	blanching machine tender
4031	biology teacher - secondary school	9442	blanket weaver
4031	biology teacher, high school	9211	blast furnace foreman/woman
2148	biomechanical engineer	9611	blast furnace helper
4011	biomechanics professor - university	9231	blast furnace operator
2241	biomedical and laboratory equipment repairer	9411	blast furnace tapper
		9231	blast furnaceman/woman
2148	biomedical engineer - research and development	8231	blast hole driller - underground mining
		7372	blaster - quarrying
2148	biomedical engineer	7372	blaster - surface mining
2241	biomedical engineering technologist	8231	blaster - underground mining
2121	biomedical nanotechnology research scientist	7372	blaster (except underground mining)
		8411	blaster helper - underground mining
2161	biometrician	7372	blaster, construction
2111	biophysicist, radiation	8411	blaster, line crew - underground mining
2111	biophysicist	7302	blasters foreman/woman - construction
4151	biopsychologist	8221	blasters foreman/woman - mining and quarrying
2148	bio-resource engineer		
2161	biostatistician	8221	blasters foreman/woman - quarrying
2113	biostratigrapher	8221	blasters foreman/woman - surface mining
2134	biotechnical engineer	9537	blasting cap assembler
2134	biotechnology engineer	9432	bleach boiler tender
2221	biotechnology technician	9432	bleach field operator - pulp and paper
0821	bird breeder	9432	bleach liquor maker, pulp
0621	bird seller	9215	bleach plant foreman/woman - pulp and paper
3011	birthing room nursing supervisor		
6332	biscuit baker	9235	bleach plant operator - pulp and paper
9617	biscuit packer	9432	bleach stock preparation operator - pulp and paper
4154	bishop		
9619	bisque cleaner - clay products	9441	bleacher - textile manufacturing
9414	bisque kiln operator - clay products	9616	bleacher helper - textile processing
9611	bisque placer - mineral products manufacturing	9461	bleacher operator - food and beverage processing
9612	bit sharpener tender	9432	bleacher operator - pulp and paper
9232	bitumen extraction plant operator	9432	bleacher tender - pulp and paper
9232	bitumen upgrading plant operator	9421	bleacher, oils
7521	bituminous paver operator - heavy equipment	9432	bleacher, rag stock
		9217	bleaching foreman/woman - textiles
7611	bituminous paving labourer	9441	bleaching machine operator - textile manufacturing
7611	bituminous paving machine operator		
2261	black light technician - non-destructive testing	9441	bleaching range operator - textile manufacturing
9421	black powder grainer and glazier tender	9421	bleaching solution maker

9421	blender - chemical processing	7611	blower operator, insulation
9461	blender - tobacco processing	9422	blow-moulding process operator - plastic manufacturing
9617	blender and packer - food and beverage processing	9423	blow-out and test operator - rubber products
9617	blender and wrapper - food and beverage processing	7237	blowtorch operator
9421	blender operator - chemical processing	7237	blowtorch welder
9461	blender operator - food and beverage processing	9447	blue-leather grader
8412	blender operator - oil field services	9471	blueprint blocker
9422	blender operator - plastic manufacturing	9471	blueprint developer
9411	blender tender - primary metal and mineral products processing	9619	blueprint trimmer-wrapper - printing
9421	blender, glues - chemical processing	9619	blueprinter helper - printing
9461	blender, margarine	9471	blueprinting machine operator
9232	blender, petroleum	5133	blues singer
9232	blender, propellants	9416	board drop hammer operator
8412	blending machine operator - oil field services	9436	board grader - wood processing
9441	blending machine tender - textile manufacturing	9416	board hammer operator - metal forging
9446	blindstitch-sewing machine operator	9523	board laboratory operator
9535	blister former - plastic products manufacturing	1411	board marker, grain quotations
9619	blister packer	4168	board member - government services
9414	block cuber - concrete, clay and stone products	0422	board of education administrator
9414	block machine operator - concrete, clay and stone products	4166	board of education inspector
9414	block maker, cement - concrete products	9431	board sawyer - sawmill
9414	block maker, concrete	9441	boarder - textile manufacturing
9414	block maker, stonework	0632	boarding house keeper
9414	block moulder, cement - concrete products	0632	boarding house manager
9536	block sander and glazier	0651	boarding kennel manager
9431	block splitter - sawmill	9441	boarding machine tender - hide and pelt processing
6741	blocker - laundry and dry cleaning	9441	boarding machine tender - textile manufacturing
9619	blocker, lenses	9232	boardman/woman - chemical processing
8231	blockholer - underground mining	6421	boat and marine equipment salesperson - retail
9473	blocking press operator - printing	7293	boat and ship insulator
9473	blocking press stamper - printing	9531	boat assembler, aluminum
9414	block-making machine operator - concrete, clay and stone products	9531	boat assembler, fibreglass
9414	block-making machine tender - concrete, clay and stone products	9531	boat assembler
3212	blood bank technician	9619	boat assembly helper
3211	blood bank technologist	9531	boat assembly inspector
3414	blood donor clinic assistant	9531	boat assembly laminator
3414	blood donor clinic attendant	9531	boat assembly repairer, fibreglass
3414	blood donor clinic helper	9531	boat assembly repairer
3414	blood sampling attendant	9414	boat builder, quartz - stone products
9231	blooming mill roller	7271	boat carpenter
9422	blow moulder operator - plastic manufacturing	7371	boat crane operator
9214	blow moulding foreman/woman - rubber and plastic manufacturing	1525	boat dispatcher
9422	blow moulding machine operator - plastic manufacturing	7301	boat engine repair foreman/woman
9432	blow pit tender - pulp and paper	9531	boat inspector and finisher, fibreglass
		9531	boat inspector, wood
		9531	boat inspector
		7271	boat joiner
		7451	boat loader
		9531	boat motor installer
		7445	boat propeller repairer
		6722	boat rental attendant
		6531	boat tour guide
		7271	boatbuilder, wood

7271	boatbuilding apprentice	7234	boiler shop mechanic
7532	boatswain - water transport	7532	boiler tender - ships
8261	boatswain, fishing vessel	2261	boiler tester
7532	boatswain	9613	boiler water tester
9616	bobbin changer - textile processing	7237	boiler welder
9616	bobbin cleaner - textile processing	9613	boilerhouse helper
9616	bobbin collector - textile processing	7311	boilerhouse machinery mechanic
9441	bobbin dryer - textile manufacturing	9241	boilerhouse operator
9616	bobbin processor	7234	boilermaker apprentice
9616	bobbin scraper - textile processing	9612	boilermaker helper
9616	bobbin sorter - textile processing	7234	boilermaker, erection and repair
9441	bobbin stripper - textile manufacturing	7234	boilermaker, maintenance
9441	bobbin winder - textile manufacturing	7234	boilermaker
7521	bobcat operator	7234	boilermaker-welder
5252	bobsled coach	7201	boilermaking shop foreman/woman
5252	bobsleigh coach	9461	bologna maker
7322	body and fender repairer - automobile	9418	bolt header operator
7322	body and fender repairman/woman - automobile	9614	bolt loader - sawmill
9522	body assembler - motor vehicle manufacturing	9418	bolt machine operator
9522	body department technician - motor vehicle manufacturing	9418	bolt maker
9522	body frame inspector - motor vehicle manufacturing	9431	bolt sawyer - sawmill
6562	body piercer	9417	bolt threader
9522	body production operator - motor vehicle manufacturing	9617	bolter helper - food and beverage processing
7322	body repairer apprentice, motor vehicles	9461	bolter operator - food and beverage processing
7612	body repairer helper, automobile	8231	bolter operator - underground mining
7322	body repairer, motor vehicles	9431	bolterman/woman - sawmill
7301	body shop foreman/woman	9417	bolt-threading machine operator
9221	body shop supervisor - motor vehicle manufacturing	7384	bomb-disposal expert
7301	body shop supervisor	1113	bond broker
4311	bodyguard - police	1113	bond dealer
6541	bodyguard (except police)	0121	bond sales manager
9522	body-in-white inspector - motor vehicle manufacturing	1113	bond trader
9441	boiler - textile manufacturing	9423	bonder - rubber products manufacturing
2262	boiler and machinery inspector	9537	bonder operator, luggage shell
1313	boiler and machinery underwriter - insurance	9413	bonding machine operator, glass
7205	boiler and pipe insulation specialists foreman/woman	9441	bonding machine tender - textile manufacturing
7293	boiler and pipe insulator	9423	bonding press tender - rubber products manufacturing
7205	boiler and pipe insulators foreman/woman	1114	bonds underwriter
6732	boiler cleaner	9461	bone crusher - food and beverage processing
7234	boiler fitter	9619	boner, garments and hosiery
2262	boiler inspector	9462	boner, meat
2264	boiler installation inspector	9435	book cover creaser
7234	boiler installer	5123	book critic
7293	boiler insulator	5122	book editor
9613	boiler operator helper	9473	book finisher - printing
9241	boiler operator	9435	book jacket machine tender
9536	boiler painter	1123	book publicist
7234	boiler repairer	0512	book publishing manager
7234	boiler repairman/woman	1451	book returns clerk - library
		5123	book reviewer
		6421	book salesperson - retail
		6421	book store clerk - retail
		9473	book trimmer

9473	bookbinder - printing	9417	boring mill set-up operator - metal machining
9473	bookbinder assistant	8221	boss, level - underground mining
5244	bookbinder, hand	8221	boss, sand fill - underground mining
9473	bookbinder, machine	8221	boss, shift - mining and quarrying
9473	bookbinding machine operator	8221	boss, track layers - underground mining
9473	book-cutting machine operator	8221	boss, yard - mining and quarrying
9615	booker - rubber products manufacturing	8261	bo'sun, fishing vessel
9461	booker - tobacco processing	5212	botanical garden interpreter
6521	booking agent - travel agency	2221	botanical technician
6411	booking agent - wholesale	2221	botanical technologist
6524	bookings clerk - railway	2121	botanist
6524	bookings clerk - wholesale travel	4011	botany professor - university
6524	bookings clerk (except airline)	9537	bottle assembler, Thermos
1311	bookkeeper	9537	bottle cap seal machine tender
1212	bookkeepers and accounting clerks supervisor	9617	bottle caser - food and beverage processing
		9617	bottle checker - food and beverage processing
1311	bookkeeping clerk		bottle inspector - glass products manufacturing
1212	bookkeeping supervisor	9413	bottle machine operator - glass products manufacturing
4021	bookkeeping teacher	9413	bottle maker operator - glass and glass products
1451	bookmobile clerk	9413	bottle maker operator
7514	bookmobile driver	9619	bottle sorter
5111	bookmobile librarian	9413	bottle tester
9473	book-sewing machine operator - printing	9617	bottle washer - food and beverage processing
0621	bookstore manager	9617	bottle washer
7371	boom crane operator	9617	bottler
5227	boom grip	9617	bottle-washing machine tender - food and beverage processing
8616	boom man/woman	9213	bottling foreman/woman
8211	boom master - logging	9617	bottling line worker
5227	boom microphone operator	9461	bottling machine operator - food and beverage processing
5227	boom operator	9461	bottling machine operator
7371	boom truck crane operator	9213	bottling supervisor - food and beverage processing
7371	boom truck hoist operator	8411	bottom cager - underground mining
8616	boom worker - logging	9619	bottom wheeler - shoe manufacturing
8616	boom worker - mill pond	6541	bouncer - security
8616	boom worker	6541	bouncer
7521	boom-conveyor operator	6421	bouquet salesperson
9217	boot and shoe foreman/woman	7445	bow repairer
9447	boot and shoe grader	9441	bowker - textile manufacturing
9447	boot and shoe inspector	9437	bowl blank boring and finishing machine operator
9619	boot and shoe matcher	5251	bowler
9619	boot and shoe perforator	6722	bowling alley attendant
9447	boot and shoe sorter	5254	bowling instructor
9423	boot cutter, rubber	6722	bowling pinsetter
9423	boot maker, rubber	9533	box assembler, wood
6343	boot repairer	7452	box bander
6343	bootmaker	9533	box blank former, wood
9217	bootmakers and shoemakers foreman/woman	9537	box blank machine operator
9217	bootmakers foreman/woman	9437	box blank repairer - woodworking
0412	border services manager		
1228	border services officer		
9417	borer - metal machining		
9437	borer - woodworking		
9417	boring machine operator - metal machining		
9437	boring machine operator - woodworking		
9414	boring mill operator - concrete products		
9417	boring mill operator - metal machining		

6622	box boy/girl	1423	braille data entry clerk
9533	box builder, wood	9471	braille duplicator
9435	box cutter - paper converting	4215	braille instructor
9435	box cutter, corrugated - paper converting	1423	braille keyboard operator - typesetting
9619	box factory labourer	1423	braille keyboard operator
7452	box filler	9471	braille printer
9435	box finisher - paper converting	1423	braille process engraver
9435	box gluer - paper converting	1423	braille stereograph machine operator
9619	box labeller	4215	braille teacher
9435	box liner - paper converting	1251	braille transcriber
9461	box machine operator - food and beverage processing	1423	braille transcription technician
		1251	Braille volumes transcriber
9435	box maker - paper converting	9471	braille-impressing machine operator
9435	box maker operator	1423	braillewriter operator
9435	box maker, cardboard - paper converting	9522	brake assembler - motor vehicle manufacturing
9435	box maker, paper - paper converting		
9533	box maker, wood	9417	brake drum lathe operator
9215	box making foreman/woman - paper converting	9612	brake helper - metal products manufacturing
		7314	brake inspector - railway car
9619	box marker - manufacturing	9414	brake lining finisher, asbestos
6611	box office cashier	9416	brake setter - metalworking
9619	box packer	0621	brake shop manager
9471	box printer - printing	7321	brake systems mechanic
9619	box sealer	7362	brake worker - switching yard
9532	box spring assembler	7362	brakeman/woman - railway yard
9532	box spring frame assembler	7362	brakeman/woman - railway
9532	box spring unit assembler - furniture manufacturing	7362	brakeman/woman - switching yard
		7362	brakeman/woman
9617	box stitcher - food and beverage processing	1111	branch accountant, bank
9471	box, case and lining printer	0122	branch administrative manager - banking, credit and investment
9619	box-blank machine feeder		
7452	boxcar loader	7246	branch exchange repairer - telecommunications
9537	box-end-stapling machine tender		
5251	boxer	1451	branch library clerk
1123	boxing promoter	0114	branch manager - administration
6722	boxing second	0122	branch manager - banking, credit and investment
5252	boxing trainer		
9471	box-printing machine operator	0121	branch manager - insurance
9537	box-sealing machine operator	0621	branch manager - retail
3219	brace maker	0121	branch manager, real estate
9537	bracelet assembler	7205	branch supervisor, pest control
3215	brachytherapy technologist	1452	brand recorder
9442	braid maker - textiles	9412	brass caster
9442	braid weaver - textiles	6344	brass or bronze chaser
9442	braider - textiles	8411	brattice builder - underground mining
9423	braider operator - rubber products manufacturing	7237	brazier and hammerer
		7237	brazier, furnace
9418	braider tender	7237	brazier, gas
7311	braiding machine setter	7237	brazier, resistance
9423	braiding machine tender - rubber products manufacturing	7237	brazier
		9612	brazing machine feeder
9442	braiding machine tender - textiles	7237	brazing machine operator
9418	braiding machine tender - wire products manufacturing	7237	brazing machine setter
		6332	bread baker - retail
1451	Braille and talking books library clerk	6332	bread baker
1423	braille block maker	7514	bread deliverer
1423	braille computer translations specialist	2222	bread inspector

9617	bread pan greaser - food and beverage processing	9414	brick kiln operator - clay products
7514	bread route driver	9414	brick kilnman/woman - clay products
9461	bread slicer operator	9414	brick machine set-up operator - clay products
9465	bread tester	9414	brick maker - clay products
9461	bread-slicing machine operator	7205	brick masonry contractor
9231	breakdown mill operator	9414	brick moulder - clay products
9432	breaker - pulp and paper	9414	brick moulder, hand - clay products
9441	breaker feeder - textile manufacturing	9414	brick presser - clay products
9461	breaker tank attendant - food and beverage processing	9414	brick presser operator
9432	breaker tender - pulp and paper	7281	brick setter
9441	breaker tender - textile manufacturing	9414	brick-cutting machine operator - clay products
9432	breakerman/woman - pulp and paper	7205	bricklayer foreman/woman
6322	breakfast cook	7611	bricklayer helper
9537	breaster, heels - footwear manufacturing	7205	bricklayer supervisor
0821	breeder, dogs	7281	bricklayer, chimney repair
0821	breeder, domestic animals	7281	bricklayer, furnace lining
0821	breeder, goat	7281	bricklayer, kiln repair
0821	breeder, pheasant	7281	bricklayer, ladle repair
0821	breeder, rabbit	7281	bricklayer, maintenance
9461	brewer helper - food and beverage processing	7281	bricklayer, refractory brick
9213	brewer supervisor	7281	bricklayer, residential
9461	brewer	7281	bricklayer, smokestacks
9461	brewery kettle tender - food and beverage processing	7281	bricklayer
9617	brewery labourer	7205	bricklayer-contractor
9461	brewery pumpman/woman	7205	bricklaying and masonry contractor
9461	brewery stillman/woman - beverage processing	7205	bricklaying contractor
9213	brewery supervisor	7281	brickmason
2211	brewery technician - applied chemistry	7611	brickmason's helper
2211	brewery technician	9414	brick-moulding machine operator - clay products
9465	brewery tester - food and beverage processing	6421	bridal sales consultant - retail
9461	brewery worker	0711	bridge and building construction manager
9461	brewhouse operator	2264	bridge and building inspector
0911	brewmaster	7235	bridge and girder plater
9437	briar-bowl turner - woodworking	7302	bridge and highway construction gang foreman/woman
7281	brick and stone mason	7533	bridge attendant - canal lock systems
7205	brick and stone masons foreman/woman	7271	bridge carpenter
9611	brick and tile batch mixer	7302	bridge construction foreman/woman
9414	brick and tile caster - clay products	7236	bridge construction ironworker
9411	brick and tile crusher operator	0711	bridge construction superintendent
9211	brick and tile foreman/woman	7371	bridge crane operator
9415	brick and tile inspector	2231	bridge design technician
9611	brick and tile kiln cleaner	2131	bridge engineer
9415	brick and tile tester	7611	bridge gang worker - construction
9414	brick and tile-making machine operator - clay products	2264	bridge inspector - construction and maintenance
9414	brick baker - clay products	2264	bridge inspector
9414	brick burner - clay products	5254	bridge instructor
7281	brick chimney builder	7533	bridge keeper - lock system
7611	brick cleaner	8411	bridge operator - underground mining
9414	brick cutter - clay products	7294	bridge painter
9415	brick grader	7205	bridge painters foreman/woman
		5254	bridge teacher
		7533	bridgemaster - lock systems

7533	bridgemaster	1113	broker, investments
4211	brief writer - law	6411	broker, livestock
0433	brigadier general	1315	broker, oil lease
9472	bright type processor	1315	broker, yacht
9232	brine equipment tender	1113	broker
9411	brine maker - mineral products processing	1434	brokerage clerk
9461	brine man/woman - food and beverage processing	0121	brokerage manager - investments
9461	brine mixer operator - food and beverage processing	9536	bronze plater
9232	brine purification operator	9473	bronzer - printing
9461	brine tank separator tender	9473	bronzer, machine - printing
8231	brine well tender	9473	bronzing machine tender - printing
9618	briner, fish - fish processing	9537	broom assembler
9411	briquetting machine operator	9619	broom cleaner and cutter
9462	brisket cutter - meat packing plant	9537	broom maker, hand
4211	British Columbia notary public	9537	broom maker
9417	broacher, production - metal machining	9537	broom stitcher
9417	broaching machine operator - metal machining	9619	broom trimmer
9417	broaching machine set-up operator - metal machining	9537	broomcorn dyer
1411	broadcast clerk	9537	broom-stitching machine operator
5224	broadcast engineer	4217	brother/sister - religion
5224	broadcast field technician	9432	brown stock operator - pulp and paper
2262	broadcast interference inspector	9432	brown stock washer - pulp and paper
5123	broadcast journalist	9614	brown stock washer helper - pulp and paper
5224	broadcast maintenance technician	9461	brown sugar maker
5224	broadcast technician	9537	brush assembler, twisted wire
5224	broadcast transmitter operator	9414	brush coater operator - concrete products
5231	broadcaster	8422	brush cutter - forestry
5224	broadcasting control operator	9537	brush finisher
5226	broadcasting co-ordinator	9527	brush lacer and trimmer - electrical equipment manufacturing
0015	broadcasting corporation president	9441	brush machine tender - textile manufacturing
5131	broadcasting director	9537	brush maker operator
5224	broadcasting engineer	9537	brush maker, hand
6221	broadcasting equipment salesperson	9537	brush maker, twisted wires
0512	broadcasting manager	9227	brush making foreman/woman
5131	broadcasting producer	9537	brush making machine operator
2133	broadcasting professional engineer	9536	brush painter, production
5131	broadcasting sports director	9536	brush stainer - production
0512	broadcasting station manager	8411	brusher - underground mining
5224	broadcasting switcher	9441	brusher and shearer - textile manufacturing
5224	broadcasting technician	9441	brushing machine operator - hide and pelt processing
5224	broadcasting transmitter operator	9441	brushing operator - textile manufacturing
7295	broadloom installer	9527	brush-lacing and trimming operator - electrical equipment manufacturing
0821	broiler chicken producer	9537	brush-making machine operator, rotary
6322	broiler cook	2121	bryologist
0821	broiler producer	8421	bucker - logging
9432	broke beater tender - pulp and paper	8421	bucker
9614	broke hustler - pulp and paper	8211	buckers supervisor
6411	broker, advertising agency	9437	bucket chucker - woodworking
1315	broker, cargo	7452	bucket elevator operator
1315	broker, customs house	9437	bucket lathe operator
1315	broker, gas	7521	bucketwheel operator
1315	broker, information customs	7521	bucketwheel-excavator operator
6231	broker, insurance	9619	buckle maker
		9418	buckshot swage operator

1111	budget accountant	0711	building construction general contractor
1221	budget analyst	0016	building construction general manager
1431	budget clerk	2264	building construction inspector
1311	budget officer	0711	building construction superintendent
1212	budget supervisor	6733	building custodian
9534	buffer, furniture - furniture finishing	7241	building electrician
9612	buffer, hand - metal products manufacturing	2131	building envelope engineer
9441	buffer, leather - hide and pelt processing	6732	building exterior cleaner
9612	buffer, metal - metal products manufacturing	7292	building glass glazier
9535	buffer, plastic products	7292	building glazier
9423	buffer, rubber belts	6733	building handyman/woman
9619	buffer, shoe parts	2264	building inspector - electrical wiring
9414	buffer, stone products	2264	building inspector - structure
6513	buffet waiter/waitress	2264	building inspector
9224	buffing and lacquering foreman/woman - furniture and fixtures manufacturing	7205	building insulation material installation foreman/woman
9416	buffing line setter	7205	building insulation specialists foreman/woman
9535	buffing machine operator - plastic manufacturing	7293	building insulator
9416	buffing machine set-up operator - metal fabrication	7205	building insulators foreman/woman
9537	buffing machine set-up operator, flatware	0714	building maintenance head
9612	buffing machine tender - metal products manufacturing	6733	building maintenance man/woman
9611	buggy operator - primary metal processing	0714	building maintenance manager
7521	buggy-operator skinner	6411	building maintenance services sales representative
7521	buggy-scraper operator	7205	building maintenance supervisor
5133	bugler	6733	building maintenance worker
9461	buhr mill operator - food and beverage processing	1224	building managing supervisor
0712	builder - renovation	0711	building materials branch director
0712	builder - residential	2231	building materials technician
9525	builder and welder, stator and rotor cores - industrial electrical equipment	7302	building mover contractor
9615	builder helper, belts - rubber products manufacturing	7302	building movers foreman/woman
8411	builder, brattice - underground mining	7302	building moving foreman/woman
9537	builder, conveyor wire belts	0714	building operations manager
9414	builder, insulators - clay products	6733	building operator - maintenance
7441	builder, patios	7611	building painter helper
9535	builder, plastic templates	7294	building painter
7281	builder, refractory	2264	building safety inspector
9423	builder, rubber drums	6732	building sander
9423	builder, rubber V-belts	0714	building services head
7271	builder, wooden boats	0714	building services manager
0712	builder	6733	building services worker
7271	building addition carpenter	5242	building space planner
7611	building and house wrecker	6733	building superintendent
1314	building appraiser	0113	building supplies purchasing manager
6733	building caretaker	6421	building supplies salesperson - retail
7271	building carpenter	2132	building systems engineer
6731	building cleaner	7236	building systems erector
6315	building cleaning and maintenance supervisor	9241	building systems operator
6315	building cleaning supervisor	9241	building systems technician
7241	building construction electrician	7611	building wrecker
2234	building construction estimator	7302	building wrecking contractor
		7302	building wrecking foreman/woman
		2131	buildings and bridge engineer
		0114	buildings, vehicles and supplies manager
		7291	built-up flat roofer
		7291	built-up roofer

8612	bulb planter - landscaping	7301	bus and truck repair foreman/woman
9461	bulk blender - tobacco processing	9526	bus assembler
9411	bulk cement-blender tender	6711	bus boy/girl
7511	bulk goods truck driver	6732	bus cleaner
7452	bulk materials carrier operator	0731	bus company manager
7452	bulk materials loader operator	7305	bus dispatcher
7452	bulk materials unloader	7512	bus driver - special needs passengers
7511	bulk milk truck driver	7512	bus driver
9461	bulker blender - tobacco processing	7305	bus drivers supervisor
9461	bulk-sausage-stuffing machine operator - food and beverage processing	6552	bus information clerk
9417	Bullard multiple-spindle lathe operator	7305	bus inspector
7521	bulldozer driver	7305	bus inspector-dispatcher
7521	bulldozer operator	7321	bus mechanic
9537	bullet and cartridge case inspector	7512	bus operator - accessible services
9537	bullet and cartridge inspector	7512	bus operator
9418	bullet cutter and former	1511	bus parcel express clerk
9613	bullet lubricant compounder	9526	bus parts inspector
9418	bullet maker	6621	bus refueler
9412	bullet moulder - foundry	6552	bus schedule information clerk
9418	bullet shaper, machine - metal products manufacturing	1526	bus scheduler
9537	bulletin board fabricator	6552	bus service information clerk
9537	bulletin board maker	1411	bus terminal clerk
9418	bullet-shaping machine tender	6524	bus ticket agent
9418	bullet-swaging machine adjuster	6531	bus tour guide
9418	bullet-swaging machine setter - metal products manufacturing	1526	bus transportation service co-ordinator
9612	bumper operator, aircraft	6732	bus washer
9461	buncher, cigar	2271	bush pilot
9418	bunching machine operator	9611	busher - primary metal processing
9619	bundle wrapper	9524	bushing assembler - small transformer manufacturing
9619	bundler - manufacturing	9525	bushing assembler, high voltage transformers
7452	bundler, hand	9525	bushing core winder - industrial electrical equipment
6722	bungee jump attendant	9619	bushing tender
8241	bunk skidder operator	4011	business administration professor - university
0512	bureau chief - news agency	4021	business administration teacher - college level
9414	burial vault maker, concrete	4021	business administration teacher
3012	burn patient care nurse	6221	business agent, computers
3011	burn unit nursing co-ordinator	1121	business agent, labour organization
3011	burn unit nursing supervisor	1121	business agent, labour union
3012	burn victim care nurse	5242	business aircraft interior designer
9232	burner operator - petroleum	2271	business aircraft pilot
9414	burner, bricks - clay products	4162	business analyst - economics
9537	burner, enamel - jewellery manufacturing	2171	business analyst, computer systems
9416	burning machine operator - metal fabrication	2171	business analyst, informatics
9416	burning table operator - metal fabrication	4031	business and commerce teacher - secondary school
9441	burnisher - hide and pelt processing	9222	business and commercial machine assembly supervisor
9612	burnisher - metalworking	9222	business and commercial machines assembly foreman/woman
9537	burnisher operator - footwear manufacturing	2161	business and economics statistician
9537	burnishing machine operator - footwear manufacturing	2174	business application programmer
1511	bursting machine tender	1314	business appraiser
7321	bus and transport mechanic		
9526	bus and truck floor framer		
9526	bus and truck frame builder		
7321	bus and truck mechanic		

0014	business association general manager	5232	busker
0421	business college director	6331	butcher - butcher shop
4021	business college instructor	6331	butcher - delicatessen
0422	business college principal	6331	butcher - retail or wholesale
4021	business college teacher	6331	butcher - wholesale
1122	business consultant	6331	butcher apprentice
2171	business continuity analyst	9617	butcher helper - meat processing
0412	business development director - government services	6421	butcher shop clerk
0121	business development manager - damage insurance	9462	butcher, industrial
4163	business development officer	6331	butcher, retail
1452	business documentalist	9462	butcher, slaughterhouse
4162	business economist	6742	butler
5122	business editor	9465	butter grader
4031	business education teacher	2222	butter inspector
6411	business equipment sales representative - wholesale	9461	butter maker
6541	business establishment investigator - security	9617	butter packer
5241	business forms designer	9617	butter sampler
6411	business forms sales representative	9617	butter wrapper
0014	business general manager	9465	butterfat tester
4163	business issues lobbyist	9619	button assorter
4021	business law teacher	9537	button designer and sample maker
2242	business machine servicer	9435	button envelope machine tender
1122	business management analyst	9537	button finisher
1122	business management consultant	9537	button machine operator
0911	business manager - manufacturing	9537	button machine setter
0114	business manager - non-profit organization	9537	button maker
0124	business manager - sales and advertising	9619	button marker
1122	business methods analyst	9537	button press operator
6552	business office service representative - telecommunications	9446	button sewer, machine
2252	business products designer	9446	button stayer
1414	business receptionist	9446	button-covering machine setter
2171	business re-engineering analyst, systems	9446	buttonhole finisher
1221	business representative - club, lodge or society	9446	buttonhole machine operator
1121	business representative, labour organization	9446	buttonhole maker
0421	business school director	9446	buttonhole stayer
0014	business school general manager	9537	button-moulder operator
0421	business school principal	9537	buttons inspector
1221	business services officer	9619	button-sorting machine feeder
1225	business services purchasing officer	1225	buyer - manufacturing and processing
6411	business services sales representative	1225	buyer - purchasing
4021	business subjects teacher - vocational institute	6222	buyer - retail
2171	business systems analyst	6222	buyer - wholesale
2171	business systems specialist - computer systems	1225	buyer, advertising
4031	business teacher - secondary school	1225	buyer, media time and space
7246	business telephone equipment installer and repairer	1452	by-law clerk
7246	business telephone equipment maintainer	4423	by-law enforcement officer
1314	business valuation officer	4423	by-law enforcement officers supervisor
1314	business valuator	9212	by-products extraction foreman/woman - chemical processing

C

C Ped (certified pedorthist)
C. Int. (certified interpreter)
C. Term. (certified terminologist)
C. Tr. (certified translator)

1111	CA (chartered accountant) student	7202	cable splicing foreman/woman - telecommunications
1111	CA (chartered accountant)		
6541	cabin baggage inspector	7246	cable station tester - telecommunications
9532	cabinet assembler - furniture manufacturing	7247	cable television installation technician
9532	cabinet assembler - wood products manufacturing	7247	cable television installer
		7247	cable television maintenance technician
9532	cabinet inspector - furniture manufacturing	7247	cable television service installation technician
0011	cabinet minister		
0414	Cabinet relations director	6421	cable television service salesperson
0414	Cabinet relations manager	7202	cable television system installers and repairers foreman/woman
7272	cabinetmaker apprentice		
7272	cabinetmaker	7247	cable television technician
7204	cabinetmakers foreman/woman	7245	cable tester - telecommunications
7611	cabinetmaker's helper	7373	cable tool driller - water well drilling
7204	cabinetmaking contractor	7247	cable TV (television) converter and decoder equipment repairer
9418	cable armourer		
6722	cable car operator	7237	cable welder
7533	cable ferry deckhand	7202	cable workers front line supervisor
7533	cable ferry operator, manual	8241	cable yarding operator
7533	cable ferry operator	8241	cable yarding system operator
8616	cable hooker - logging	9418	cable-braiding machine operator
7202	cable installation and repair foreman/woman - telecommunications	9527	cable-coding machine tender - electrical equipment manufacturing
7612	cable installation and repair helper - telecommunications	7244	cableman/woman - electric power systems
		7612	cableman/woman helper
7202	cable installation contractor	9527	cable-marking machine tender - electrical equipment manufacturing
7202	cable installation foreman/woman		
7202	cable installation supervisor	6421	cable-TV and pay-TV sales representative
7244	cable installer - electric power systems	7247	cablevision servicer
7244	cable installer - electrical power	7202	cablevision technicians foreman/woman
7245	cable installer - telecommunications	2253	CAD (computer-aided design) specialist - drafting
7244	cable installer and repairer - electric power systems	2253	CAD (computer-aided design) technologist
		2253	CAD (computer-assisted drafting)
7612	cable installer helper		
7202	cable installers and repairers foreman/woman - telecommunications	2253	draftsperson - printed circuit boards
		2253	CAD (computer-assisted drafting) technician
9619	cable insulator helper	2253	CAD (computer-assisted drafting)
9418	cable insulator	2253	CAD operator
7244	cable jointer - electric power systems	2233	CAD/CAM (computer-aided design/computer-assisted manufacturing) programmer
7244	cable line worker - electric power systems		
7202	cable maintenance and repair supervisor		
9418	cable maker, metal	2233	CAD/CAM NC (computer-aided design/computer-aided manufacturing, numerical control) programmer
7245	cable repair technician - telecommunications		
7244	cable repairer - electric power systems	2233	CAD/CAM programmer
7245	cable repairer - telecommunications	2154	cadastral surveyor
7612	cable repairer helper - telecommunications	6722	caddie
7612	cable repairer helper		
7245	cable repairer, telecommunications	4311	cadet, police
7247	cable servicer, television	9411	cadmium control operator - zinc leaching
8421	cable skidder operator	9536	cadmium galvanizer
7244	cable splicer - electric power systems	9611	cadmium leach helper
7244	cable splicer - electrical power	9421	cadmium liquor maker
7612	cable splicer helper	9411	cadmium plant operator
7245	cable splicer, telecommunications	9411	cadmium recoverer
7202	cable splicers foreman/woman - telecommunications	9411	cadmium zinc leacher
		0631	café manager
		6611	cafeteria cashier

6322	cafeteria cook	9537	calibrator, clock hairsprings
6711	cafeteria counter attendant	9524	calibrator, electrical controls
6711	cafeteria helper	9526	calibrator, gasoline pumps
0631	cafeteria manager	9537	calibrator, optical instruments
6311	cafeteria supervisor	7445	calibrator, pressure controllers
6711	cafeteria worker	7384	calibrator, scientific instruments
6711	cafeteria-buffet attendant	9612	calibrator, tanks - metal products manufacturing
9416	cage builder - metal fabrication	9524	calibrator, thermostats - electrical equipment manufacturing
9418	cage maker - wire products manufacturing	7445	calibrator, torque wrench
8411	cage tender - underground mining	9523	calibrator, wire wound resistors
8411	cage tender	6552	call centre agent - customer service
6332	cake and pastry decorator - retail	2282	call centre agent - technical support
6332	cake baker - retail	0125	call centre manager
6332	cake decorator - retail	6314	call centre supervisor
6332	cake decorator	6722	caller, bingo
6332	cake icer	5241	calligrapher
9461	cake mix equipment operator - food and beverage processing	5241	calligraphic artist
9422	cake press operator - plastic manufacturing	5254	callisthenics instructor
9617	cake wrapper	9537	camera assembler
9411	calciner operator - mineral products processing	9537	camera assembly inspector
9421	calciner tender	5227	camera crane operator
1434	calculation clerk - insurance	6421	camera equipment salesperson - retail
4031	calculus teacher - secondary school	9537	camera inspector
6531	calèche driver	9472	camera operator - graphic arts
6531	calèche operator	9472	camera operator - printing
9615	calender feeder - rubber and plastic products manufacturing	9472	camera operator, colour separation - printing
9616	calender helper - textile processing	5222	camera operator, motion picture
9423	calender let-off operator - rubber products manufacturing	9472	camera operator, photogravure - printing
9423	calender machine operator - rubber products manufacturing	5222	camera operator, video
9433	calender man/woman - pulp and paper	5222	camera operator
9422	calender operator - plastic manufacturing	7205	camera repair shop supervisor
9433	calender operator - pulp and paper	7445	camera repairer
9423	calender operator - rubber products manufacturing	7445	camera repairman/woman
9441	calender operator - textile manufacturing	6421	camera salesperson - retail
9422	calender operator, multi-roll - plastic manufacturing	0621	camera store manager
9423	calender roll warmer - rubber products manufacturing	9417	camming machine operator - metal machining
9422	calender wind-up tender - plastic manufacturing	6322	camp cook
9423	calender wind-up tender - rubber products manufacturing	6711	camp cook's helper
9433	calenderer - pulp and paper	5254	camp co-ordinator
9214	calendering foreman/woman - rubber and plastic manufacturing	5254	camp counsellor
9422	calendering machine tender - plastic manufacturing	5254	camp leader
9441	calendering machine tender - textile manufacturing	6711	camp lunchroom attendant
9462	calf skinner - meat packing plant	0632	camp manager
2241	calibration tester	6513	camp waiter/waitress
		0124	campaign manager
		6722	campground attendant
		6733	campground cleaner
		6722	campground gate attendant
		8612	campground maintenance worker
		0632	campground manager
		0632	campground operator
		6316	campground supervisor
		6722	campground worker
		0714	campus maintenance manager

9616	can doffer - textile processing	9618	cannery labourer
9463	can filler - fish and seafood processing	0911	cannery manager
9465	can inspector - food and beverage processing	9617	cannery packer
9418	can inspector - metal products manufacturing	9617	cannery worker - food and beverage processing
9418	can machine operator	9461	canning machine operator
9418	can machine setter	9531	canoe assembler
7311	can seamer machine repairer	5244	canoe builder - arts and crafts
9441	can tender	9531	canoe building inspector
2154	Canada lands surveyor	0632	canoe camp operator
2264	Canada Mortgage and Housing Corporation (CMHC) inspector	9531	canoe canvasser
1314	Canadian residential appraiser (CRA)	5244	canoe repairer - arts and crafts
4311	Canadian Security Intelligence Service (CSIS) investigator	6532	canoeing guide
0714	canal director	5251	canoeist
7311	canal equipment mechanic	9614	cant loader - wood processing
7533	canal lock operator	7514	canteen driver
7533	canal lock tender	0631	canteen manager
7533	canal lockman/woman	0631	canteen service district manager
0714	canal superintendent	0631	canteen services manager
3212	cancer research technician	6311	canteen supervisor
9461	candied fruit processor	9431	canter operator - sawmill
9537	candle decorator	7371	cantilever crane operator
5244	candle maker, hand	4217	cantor
9227	candle making foreman/woman	9537	canvas awning maker
9619	candle manufacturing labourer	9531	canvas canoe waterproofer
9619	candle-wrapping machine tender	9445	canvas cutter - fabric products manufacturing
9461	candy centre maker	9537	canvas goods assembler
9617	candy dipper, hand - food and beverage processing	9447	canvas goods inspector
9465	candy inspector	5245	canvas goods maker
9617	candy maker helper	5245	canvas goods pattern designer and patternmaker
9461	candy maker	9446	canvas goods sewing machine operator
9617	candy packer	5245	canvas layer-out - textile products
9461	candy puller and roller	5245	canvas pattern designer
9617	candy wrapper	5245	canvas patternmaker
9461	candy-cutting machine tender	6411	canvas product sales representative
9461	candy-making machine tender	9217	canvas products manufacturing foreman/woman
9461	candy-rolling machine operator	9537	canvas tent maker
9461	candy-spinning machine operator - food and beverage processing	6623	canvasser - retail
5244	caner, custom furniture	6623	canvassing agent
9463	can-filling machine operator - fish processing	9523	capacitor assembler
9461	can-filling machine operator - food and beverage processing	9523	capacitor inspector
9418	can-forming machine operator	9523	capacitor-treating tank operator
4311	canine-team member - police	2147	capacity planner, network
9418	can-making machine operator	2147	capacity planning analyst
9418	can-making machine setter	9465	capon grader - food and beverage processing
9465	canned and bottled foods inspector	8252	caponizing service contractor
9461	canned goods cooker	9527	capping machine tender, dry cells - electrical equipment manufacturing
9461	canned milk sterilizer	9421	capsule filler - chemical processing
9463	canner, oysters - fish processing	9421	capsule machine operator - chemical processing
9213	cannery foreman/woman - food processing	9421	capsule machine operator
9618	cannery labourer - fish processing	0433	captain - air force

2271	captain - air transport	7622	car weigher - railway
0433	captain - army	9461	caramel equipment operator
0433	captain - navy	9418	carbide press tender
2273	captain - water transport	7232	carbide tool maker
6513	captain waiter/waitress - food and beverage services	9421	carbon black pelletizer
6513	captain waiter/waitress - formal service	9525	carbon brush assembler
6513	captain waiter/waitress	9524	carbon brush inspector
8261	captain, factory freezer trawler	9525	carbon brush maker
2273	captain, ferryboat	9435	carbon coater operator
8261	captain, fishing vessel	8412	carbon dioxide truck operator - oil field services
8261	captain, offshore fishing vessel	9435	carbon paper cutter
2273	captain, offshore rig	9421	carbon paste mixer operator
2273	captain, passenger ship	9414	carbon planer tender - stone products
2273	captain, self-propelled barge	9524	carbon products inspector
2273	captain, self-propelled drilling rig	9472	carbon tissue cylinder preparer - printing
2273	captain, ship	9461	carbonation equipment operator - food and beverage processing
0433	captain	9461	carbonator - food and beverage processing
5122	caption editor	9435	carbon-coating machine operator
9522	car assembler	9441	carbonizer tender - textile manufacturing
1525	car assignments clerk	9435	carbon-paper-making machine operator
6742	car attendant	9619	carbon-rod-inserting machine feeder
6732	car care worker	9526	carburetor assembler
7622	car checker - railway transport	9526	carburetor assembly inspector
7622	car checker, railway	9462	carcass splitter - meat packing plant
7531	car controller - railway	9617	carcass washer - food and beverage processing
0621	car dealer	9617	carcass weigher - food and beverage processing
0621	car dealership manager	9441	card feeder - textile manufacturing
6732	car detailer	1411	card filer
1525	car dispatcher, coal mine	7311	card fixer - textile manufacturing
9522	car examiner - automobile assembly	7311	card fixer
9522	car inspector - automobile assembly	7311	card grinder - textile manufacturing
7314	car inspector - railway	7311	card grinder
6742	car jockey	9442	card lacer - textiles
0621	car leasing branch manager	9441	card operator - textile manufacturing
6421	car leasing representative	6564	card reader
7452	car loader, railway	9217	card room supervisor - textiles
6742	car lot attendant	7311	card setter - textile manufacturing
7321	car mechanic	6421	card shop clerk
9536	car painter - manufacturing	9441	card stripper - textile manufacturing
6611	car park cashier	9441	card tender - textile manufacturing
6421	car rental agent	9435	cardboard box gluer
6421	car rental clerk	9435	cardboard box maker - paper converting
7314	car repairer - railway	9435	cardboard box press operator
7314	car repairer apprentice - railway	9435	cardboard maker - paper converting
4421	car reposessor	9435	cardboard maker, machine
7531	car retarder operator - railway yard	9435	cardboard-tube-winding machine operator - paper converting
6421	car sales representative - retail	9441	carder - textile manufacturing
6421	car salesperson - retail	3217	cardiac catheterization technician
6732	car scrubber	3217	cardiac catheterization technologist
9537	car seat assembler	3216	cardiac sonographer
9614	car stacker - wood processing	3217	cardiac stress technologist
6742	car storage attendant	3111	cardiac surgeon
6721	car supplier - railway		
6732	car wash attendant		
0651	car wash manager		
6732	car washer		

3012	cardiac surgery nurse	6523	cargo agent - airline
3217	cardiac technician	7534	cargo attendant, air transport
3216	cardiac ultrasound technician	1315	cargo broker
3216	cardiac ultrasound technologist	6523	cargo customer service representative - airline
4154	cardinal		
9616	carding machine cleaner - textile processing	6524	cargo customer service representative - bus line
9441	carding machine feeder - textile manufacturing	6524	cargo customer service representative - marine shipping
7311	carding machine fixer - textile manufacturing	6524	cargo customer service representative - railway
9441	carding machine operator - textile manufacturing		
9441	carding machine tender - textile manufacturing	7534	cargo handler - air transport
3111	cardiologist	7302	cargo handling supervisor
3217	cardiology instructor	7534	cargo loader - air transport
3012	cardiology nurse technician	1521	cargo location clerk
3012	cardiology nurse	2262	cargo surveyor
3111	cardiology specialist	7301	carhouse supervisor - railway transportation
3217	cardiology supervisor	5241	caricaturist
3217	cardiology technician	5133	carillonneur
3217	cardiology technologist	7314	carman/woman - railway
3214	cardiopulmonary technician	7622	carman/woman helper - railway
3214	cardiopulmonary technologist	7314	carman/woman inspector - railway
3111	cardiothoracic surgeon	9611	carnallite flux maker
3111	cardiovascular and thoracic surgeon	6722	carousel operator
3111	cardiovascular and thoracic surgery specialist	7611	carpenter helper
		7271	carpenter lead hand
3214	cardiovascular perfusion clinical instructor	7271	carpenter rough
3214	cardiovascular perfusion instructor	7204	carpenter supervisor
3214	cardiovascular perfusion supervisor	7271	carpenter, bridges
3214	cardiovascular perfusion technologist	7271	carpenter, building additions
3214	cardiovascular perfusionist	7271	carpenter, concrete forms
3111	cardiovascular surgeon	7271	carpenter, floor systems
3217	cardiovascular technician	7271	carpenter, framing
3217	cardiovascular technologist	7271	carpenter, houses
1123	career agent	7271	carpenter, interior finish
4031	career and life management teacher	7271	carpenter, interior systems
4031	career and technology studies teacher	7271	carpenter, log homes
4156	career coach	7271	carpenter, maintenance
4033	career counsellor - education	7271	carpenter, manufactured houses
4156	career counsellor - except education	7271	carpenter, mill
0411	career development and employment district director - government services	7271	carpenter, mine
		7271	carpenter, plant
4156	career development counsellor	7271	carpenter, prefabricated structures
0411	career development director - government services	7271	carpenter, railway rolling stock
		7271	carpenter, renovation
4156	career development facilitator	7271	carpenter, restoration
4156	career development practitioner	7271	carpenter, shipbuilding
4031	career education teacher	7271	carpenter, studio
4031	career exploration teacher	7271	carpenter
4156	career group facilitator	7204	carpenter-contractor
0411	career information director - government services	7271	carpenter-joiner
		7204	carpenters foreman/woman
4156	career resource centre co-ordinator	7204	carpentry contractor
4411	caregiver, babysitting	7204	carpentry foreman/woman
6733	caretaker, building	2264	carpentry inspector
8255	caretaker, park	7271	carpentry repairman/woman
		7204	carpentry supervisor

9446	carpet binder	9537	cartridge-loader machine operator
6732	carpet cleaner	9437	carver operator - woodworking
0651	carpet cleaning service manager	9414	carver, granite
6315	carpet cleaning supervisor	9437	carver, machine - woodworking
9441	carpet drying machine tender - textile manufacturing	9414	carver, marble - concrete, clay and stone forming
9441	carpet drying machine tender	9414	carver, monuments - stone products
9447	carpet inspector	5244	carver, Native art
7295	carpet installer	5244	carver, totem poles
7611	carpet layer helper	5244	carver
7295	carpet layer	9437	carving machine operator - woodworking
7311	carpet loom fixer - textile manufacturing	6315	carwash supervisor
7311	carpet loom setter - textile manufacturing	9461	cascade blender - tobacco processing
7611	carpet mechanics helper	4212	case aide - social services
9446	carpet sewer	9537	case assembler and finisher
9537	carpet tape machine tender	9619	case filler
9442	carpet weaver	9411	case hardener - primary metal processing
9442	carpet-tufting machine operator	9619	case liner
9442	carpet-weaving machine operator	5244	case maker, hand
6421	car-rental counter representative	9533	case maker, wood
7452	carrier operator, bulk materials	4152	case management consultant - social work
6541	carry-on baggage inspector	4152	case management social worker
6411	cartage and storage salesperson	4155	case management worker - corrections
0731	cartage company manager	4155	case manager - corrections
2255	cartographer	3143	case manager occupational therapist
2255	cartographic compiler	9619	case marker
2255	cartographic draftsman/woman	9619	case packer
2131	cartographic engineer	1228	case review officer - immigration
2255	cartographic technician	9617	case stacker - food and beverage processing
2255	cartographic technologist	4152	case work consultant - social work
9435	carton assembler - paper converting	9617	caser - tobacco processing
9617	carton bander	4152	casework supervisor - social work
9619	carton filler	4152	caseworker - social work
9435	carton forming machine operator	1431	cash on delivery (COD) clerk
9435	carton gluer	1212	cash receipts supervisor
9619	carton labeller	6211	cashier supervisor - retail
9619	carton marker	6611	cashier, casino
9617	carton package stapler	6611	cashier, currency exchange
9619	carton stamper	6611	cashier, customer service
9619	carton wrapper	6611	cashier, hotel
9614	carton-forming machine feeder	6611	cashier, supermarket
7311	carton-forming machine repairer	6611	cashier
9435	carton-making machine operator	6611	cashier-wrapper
9617	carton-packaging machine tender - food and beverage processing	9465	casing grader - food and beverage processing
5223	cartoon background artist	9461	casing machine operator - food and beverage processing
5245	cartoon embroidery enlarger	9461	casing machine operator - tobacco processing
5241	cartoon film artist	9461	casing machine tender - tobacco processing
5241	cartoonist sketch	9617	casing salter - food and beverage processing
5241	cartoonist	9617	casing shirrer - food and beverage processing
9537	cartridge assembler	9617	casing stripper - food and beverage processing
9611	cartridge flux maker	9473	casing-in machine set-up operator - printing
9537	cartridge inspector	9473	casing-in machine tender - printing
9612	cartridge parts cleaner - explosives and ammunition manufacturing		
9418	cartridge primers drop tester		
9537	cartridge-filler operator		

6611	casino cashier	0821	cat breeder
6533	casino dealer	3144	CAT (certified athletic therapist)
0015	casino general manager	7521	cat operator
6313	casino pit boss	7521	cat skinner
6533	casino runner	6623	catalogue agent - retail
6313	casino section head	6411	catalogue agent - wholesale
6313	casino shift manager	1452	catalogue compiler
6533	casino slot machine attendant	5241	catalogue illustrator
9437	cask maker	6623	catalogue sales agent - retail
9532	casket assembler, wood	5111	cataloguer - library
9533	casket frame assembler, wood	5212	cataloguer - museum
9533	casket inspector, wood	5212	cataloguer, museum objects
9619	casket liner	5211	cataloguing technician
9532	casket maker, wood	9613	catalyst operator helper, gasoline
9533	casket moulding setter, wood	9232	catalyst operator, gasoline
9533	casket top frame fitter, wood	9232	catalytic cracking unit operator
9533	casket top frame setter, wood	0621	category manager
9619	casket trimmer	6322	caterer cook
6345	casket upholsterer	6711	caterer helper
3414	cast room technician	6513	caterer waiter/waitress
9414	caster - concrete products	0631	catering service manager
9422	caster - plastic manufacturing	6311	catering supervisor
9414	caster, bricks and tiles - clay products	7521	caterpillar car operator
9414	caster, concrete mixer	7521	caterpillar operator
9412	caster, metal - foundry	7535	caterpillar servicer (except mechanic)
9537	caster, ornamental designs	7312	caterpillar tractor repairer
9414	caster, pottery and porcelain ware	9523	cathode coater - electronic equipment manufacturing
9414	caster, scagliola - stone products		
1123	casting agent for extras	9611	cathode loader
1123	casting agent	9523	cathode-ray-tube-processing equipment setter
5131	casting director		
9611	casting helper	9411	cathode-stripping machine operator - zinc electrolysis
9611	casting house labourer		
9611	casting machine helper	9461	catsup maker
9412	casting machine operator - foundry	6222	cattle buyer
9411	casting machine operator - primary metal processing	0621	cattle dealer
		8252	cattle feedlot foreman/woman
9412	casting machine operator, lead	8252	cattle herdsperson
9412	casting machine operator	8252	cattle ranch foreman/woman
9211	casting operations foreman/woman	8431	cattle ranch labourer
9211	casting room foreman/woman	8431	cattle ranch worker
9422	casting room operator - plastic manufacturing	0821	cattle rancher
		7247	CATV (community antenna television) installation technician - telecommunications
9611	casting wheel operator helper		
9611	castings cleaner - primary metal and mineral products processing	7247	CATV (community antenna television) maintenance technician
9415	castings inspector - foundry	7247	CATV (community antenna television) service installation technician - telecommunications
9415	castings tester - primary metal and mineral products processing		
9611	castings trimmer	7247	CATV (community antenna television) technician - cable television
3012	casual duty nurse		
7621	casual worker - public works	7247	CATV (community antenna television) technician - telecommunications
2161	casualty actuary		
1312	casualty insurance adjuster	7247	CATV technician
1313	casualty insurance products analyst-designer	7611	caulker - construction
		7611	caulker, precast concrete
1313	casualty underwriter - insurance	9531	caulker, wooden hulls - boat assembly

9232	caustic cell operator	7282	cement mason, highways and streets
9432	caustic plant operator	7282	cement mason, maintenance
9432	causticizer operator	7282	cement mason
9432	causticizing operator - pulp and paper	9411	cement miller
3214	CCP (certified clinical perfusionist)	9411	cement mixer - primary metal and mineral products processing
3223	CDT (certified dental technician)	7611	cement mixer operator - construction
7291	cedar shakes shingler	9414	cement pipe shaper operator - concrete products
7291	cedar shingler	9414	cement pipe shaper, machine - clay products
4021	CEGEP (general and vocational college) teacher	9415	cement plant inspector
4021	CEGEP teacher	9414	cement polisher
7284	ceiling installer	9211	cement processing foreman/woman
7284	ceiling system installer	9211	cement processing supervisor
5241	cell animator	7611	cement pump operator
2121	cell biologist	9411	cement pumping tender
9411	cell operator - primary metal and mineral processing	7205	cement smoother foreman/woman
9232	cell room operator, chlor-alkali plant	7511	cement truck driver - construction
9415	cell tester - primary metal processing	8412	cement truck driver - oil field services
9213	cellar master	9411	cementation equipment operator
9461	cellarman/woman, winery - food and beverage processing	8412	cementer - oil field services
5133	cellist	9423	cementer - rubber products manufacturing
5244	cello maker	8615	cementer helper, oil well
5133	cello teacher - private, conservatory or studio lessons	9423	cementer operator - rubber products manufacturing
9422	cellophane bag machine operator - plastic manufacturing	9615	cementer, hand - rubber and plastic products manufacturing
9422	cellophane bag maker - plastic manufacturing	9619	cementer, hand - shoe manufacturing
9535	cellophane finisher - plastic manufacturing	9619	cementer, knife parts - processing and manufacturing
9422	cellophane making worker - plastic manufacturing	8412	cementer, oil field services
9617	cellophaner - tobacco products	9535	cementer, plastics
7246	cellular phone installer	9615	cementer, tire repair - rubber products manufacturing
2121	cellular physiologist	9527	cement-filling machine operator - electrical equipment manufacturing
7246	cellular telephone installer	8412	cementing equipment operator - oil field services
7246	cellular telephone technician	8255	cemetery foreman/woman
9421	cellulose film caster - chemical processing	8612	cemetery labourer
9421	cellulose film dry-end tender	0714	cemetery manager
9421	cellulose film rewinder	8612	cemetery worker
2211	cellulose film solutions tester	1213	census area manager assistant
9421	cellulose film wet-end tender	1213	census area manager
7611	cement and concrete pump tender	1454	census clerk
9619	cement applicator - shoe manufacturing	1213	census commissioner assistant
9414	cement block maker - concrete products	1213	census commissioner
9414	cement block moulder - concrete products	1213	census district manager
7282	cement finisher apprentice	1454	census enumerator
7205	cement finisher foreman/woman	1454	census taker
7611	cement finisher helper	1454	census worker
7282	cement finisher	7313	central air conditioner installer
7205	cement finishing contractor	7313	central air conditioner repairer
7611	cement gun nozzle operator	7313	central air conditioning installer
7611	cement gun operator	7313	central air conditioning mechanic
7452	cement loader and sacker	7313	central air conditioning repairer
9211	cement manufacturing supervisor	7313	central air conditioning servicer
7282	cement mason apprentice		

9231	central control caster - primary metal processing	0016	CEO (chief executive officer) - goods production, utilities, transportation and construction
9231	central control caster		
9231	central control operator - cement manufacturing	0014	CEO (chief executive officer) - health, education, social and community services and membership organizations
9241	central control room operator - electrical power systems	0016	CEO (chief executive officer) - manufacturing company
9231	central control room operator - primary metal and mineral products processing	0013	CEO (chief executive officer) - telephone company
9231	central control room operator - primary metal processing	0015	CEO (chief executive officer) - trade, broadcasting and other services
7246	central office equipment inspector - telecommunications	0015	CEO (chief executive officer), deputy - trade, broadcasting and other services
7246	central office equipment installer - telecommunications		CEO (chief executive officer), travel agency
7246	central office equipment maintainer - telecommunications	0015	ceramic and enamel refinisher
7246	central office equipment repairer - telecommunications	9536	ceramic artist
7246	central office frame servicer - telecommunications	5244	ceramic caster, dentures
7246	central office repairer - telecommunications	3223	ceramic denture caster
7246	central office technician - telecommunications	3223	ceramic denture mechanic
7246	central office tester - telecommunications	3223	ceramic denture mechanic-moulder
3414	central service room worker - hospital	3223	ceramic denture moulder
3414	central supply aide - medical	3223	ceramic enameleer
3414	central supply aide	9536	ceramic moulder, dentures
3414	central supply room supervisor - hospital	3223	ceramic mouldmaker - foundry
3414	central supply room technician - hospital	9412	ceramic mouldmaker
2275	centralized traffic control (CTC) operator - railway traffic	9412	ceramic painter
2275	centralized traffic controller - railway traffic	9536	ceramic potter
9241	central-office power control room operator - electrical power systems	5244	ceramic spray painter
0421	centre assistant manager - hotel school	9536	ceramic sprayer
9537	centre winder, baseballs	7283	ceramic tile installer
9417	centreless cylindrical grinder set-up operator	9414	ceramic tile press operator - concrete products
9417	centreless cylindrical-grinder operator	7283	ceramic tilesetter
9417	centreless grinder operator	5112	ceramics and glass conservator
9417	centreless grinder set-up operator	2142	ceramics engineer
9432	centri-cleaner tender - pulp and paper	5244	ceramics teacher (except education)
9412	centrifugal casting machine operator	5244	ceramist
9412	centrifugal casting machine tender - foundry	0821	cereal and oilseed grower
9441	centrifugal extractor - textile manufacturing	0821	cereal and oilseed producer
9421	centrifugal separator tender - chemical processing	9461	cereal baker - food and beverage processing
9461	centrifugal station tender - food and beverage processing	9461	cereal cleaner
9463	centrifuge machine tender - fish processing	9461	cereal cooker and extruder operator
9441	centrifuge operator - textile manufacturing	0821	cereal farm manager
9421	centrifuge tender - chemical processing	0821	cereal grower
9617	centrifuge tender - food and beverage processing	9461	cereal maker - food and beverage processing
9617	centrifuge tender - meat packing plant	9461	cereal oven tender
0013	CEO (chief executive officer) - financial, communications and other business services	0821	cereal producer
		9461	cereal-cleaning equipment operator
		9461	cereal-coating operator
		9473	Cerlox binder operator - printing
		9473	Cerlox binder operator
		7315	certified aircraft technician
		3144	certified athletic therapist (CAT)
		3141	certified audiologist
		2244	certified avionics technician

3214	certified clinical perfusionist (CCP)	9442	chain builder - textiles
2234	certified construction estimator	9614	chain conveyor tender - sawmill
3411	certified dental assistant	9614	chain conveyor tender - wood processing
3223	certified dental technician	9418	chain inspector
1121	certified disability management professional	7441	chain link fence erector
6563	certified dog master	9537	chain maker, hand - jewellery manufacturing
4161	certified ergonomist	9418	chain maker, machine
5254	certified fitness appraiser	8421	chain saw operator - logging
1111	certified general accountant (CGA)	9418	chain tester, machine
3141	certified hearing aid audiologist	9418	chain tester
4161	certified industrial hygienist	9616	chainer - textile processing
5242	certified interior designer	9418	chain-link fence machine operator
5125	certified interpreter (C.Int.)	9418	chain-making machine feeder
3411	certified intra-oral dental assistant	9418	chain-making machine operator
3232	certified iridologist	9418	chain-making machine tender
3144	certified kinesiologist	7612	chainman/woman - land surveying
6523	certified load control agent - airline	9442	chainman/woman - textiles
6523	certified load planner - airline	9614	chainman/woman - wood processing
1111	certified management accountant (CMA)	7611	chainman/woman, pile driving
1122	certified management consultant	9418	chain-testing machine tender
3233	certified nursing assistant (CNA)	9532	chair assembler
3219	certified orthotist (CO)	9224	chair assembly foreman/woman - furniture and fixtures manufacturing
3219	certified pedorthist (C Ped)		chair caner - furniture manufacturing
5254	certified personal trainer	9532	chair inspector - furniture manufacturing
3219	certified prosthetist	9532	chair leveler - woodworking
3219	certified prosthetist-orthotist (CPO)	9437	chair sander
3232	certified reflexologist	9619	chair seat planer tender
4212	certified return-to-work co-ordinator - disability management	9437	chair seat weaver
4212	certified return-to-work facilitator - disability management	9532	chair trimmer
3232	certified rolfer	9619	chair upholsterer
3232	certified rolfing movement teacher	6345	chair, metropolitan council
4152	certified social worker	0011	chair, regional municipality
5125	certified terminologist (C.Term.)	0011	chairman/woman - financial, communications and other business services
5125	certified translator (C.Tr.)	0013	chairman/woman - government services
6732	cesspool cleaner	0012	chairman/woman - health, education, social and community services and membership organizations
0013	CFO (chief financial officer) - advertising agency	0014	chairman/woman - trade, broadcasting and other services
0013	CFO (chief financial officer) - financial, communications and other business services	0015	chairman/woman, food sciences department - university
0016	CFO (chief financial officer) - goods production, utilities, transportation and construction	4011	chairman/woman, geography department - university
0014	CFO (chief financial officer) - health, education, social and community services and membership organizations	4011	chairman/woman, linguistics department - university
0015	CFO (chief financial officer) - trade, broadcasting and other services	4011	chairman/woman, physics department - university
0016	CFO (chief financial officer) - urban transit system	4011	chairman/woman, theology department - university
0014	CFO (chief financial officer), educational institution	4011	chairman/woman, visual arts department - university
0015	CFO (chief financial officer), professional sports club	4011	chairperson - financial, communications and other business services
1111	CGA (certified general accountant)	0013	chairperson - government services
9423	chafer builder	0012	

0014	chairperson - health, education, social and community services and membership organizations	9611	charger helper - primary metal processing
0015	chairperson - trade, broadcasting and other services	9527	charger operator - electrical equipment manufacturing
0014	chairperson, arts and culture association	9611	charger, cupola - primary metal and mineral processing
0014	chairperson, educators association	9537	charger, furnace - primary metal processing
4011	chairperson, food sciences department - university	9411	charger, thermometric systems capillary tubes
4011	chairperson, geography department - university	7246	charging car operator
0012	chairperson, Human Rights Commission	9411	charging equipment attendant - telecommunications
4011	chairperson, linguistics department - university	9527	charging machine operator - mineral and metal processing
4011	chairperson, physics department - university	0014	charging room operator - electrical equipment manufacturing
0014	chairperson, scientific association	0014	charitable organization director
4011	chairperson, theology department - university	1454	charitable organization executive director
4011	chairperson, visual arts department - university	7533	chart clerk
3411	chair-side assistant - dental	7533	charter boat captain
9611	chalk extruder	7533	charter boat master
9611	chalk moulder - mineral products processing	7512	charter boat operator
0423	Chamber of Commerce administrator	2271	charter bus driver
6731	chambermaid	1111	charter pilot
9418	chamfering and boring machine operator - metal products manufacturing	1111	chartered accountant (CA) student
9418	chamfering machine tender	0114	chartered accountant (CA)
0014	chancellor - education	1314	chartered administrator - management
4154	chancellor - religion	1314	chartered appraiser
9418	chandelier maker	1112	chartered business valuator (CBV)
9535	changer, plates - plastic manufacturing	3232	chartered financial analyst
9619	channel closer - shoe manufacturing	4151	chartered herbalist
9412	channel furnace operator - foundry	0114	chartered psychologist
9537	channeler - footwear manufacturing	1315	chartered secretary - management
5132	chansonnier	6731	chartered shipbroker
4154	chaplain	8421	charworker
9617	char filter helper - food and beverage processing	6344	chaser - logging
9461	char filter tender - food and beverage processing	9523	chaser, jewellery
9617	char kiln helper - food and beverage processing	9522	chassis assembler - electronic equipment manufacturing
9461	char kiln tender - food and beverage processing	9522	chassis assembler - motor vehicle manufacturing
5241	character animator	9221	chassis assembly inspector - motor vehicle manufacturing
5136	charcoal artist	9522	chassis assembly supervisor - motor vehicle manufacturing
9421	charcoal burner	9522	chassis inspector - motor vehicle manufacturing
9411	charge control operator	9523	chassis installer - electronic equipment manufacturing
7316	charge hand, machine fitters	6564	chat line agent
7231	charge hand, machine shop	7513	chauffeur, private household
1414	charge operator - telephone system	7305	chauffeurs and taxi drivers supervisor
3217	charge technologist - electrocardiography	7305	chauffeurs supervisor
3211	charge technologist - medical laboratory	2271	check pilot
9611	charge weigher - primary metal processing	8614	check weigher, mine
9527	charger - electrical equipment manufacturing	6741	checker - laundry and dry cleaning
9537	charger - jewellery manufacturing	6722	checker, attendance
		2253	checker, drafting

9437	checkerer, gunstocks	9212	chemical processing supervisor
9437	checkerer, small arms	2211	chemical products quality control technologist
8441	checkerman/woman, fishing vessel	9432	chemical pulping plant operator - pulp and paper
6523	check-in agent - airline	0212	chemical research division manager
6524	check-in agent (except airline)	2211	chemical research technician
6742	checkroom attendant	2211	chemical research technologist
9461	cheese blender - food and beverage processing	9232	chemical roaster
9461	cheese cooker	8412	chemical services operator - oil field services
9617	cheese cutter	9432	chemical solutions operator - pulp and paper
9617	cheese factory worker	2112	chemical spectroscopist
9465	cheese grader	2211	chemical technician - heavy water plant and nuclear generating station
9461	cheese grater	2211	chemical technician, NMR (nuclear magnetic resonance)
9617	cheese maker helper	2211	chemical technician, nuclear magnetic resonance (NMR)
9461	cheese maker	2211	chemical technician
6321	chef de cuisine	2211	chemical technologist
6321	chef de partie	4021	chemical technology teacher
6321	chef pâtissier	8412	chemical truck operator - oil field services
6321	chef	9212	chemical unit foreman/woman
2211	chemical analysis specialist	7316	chemical-processing machine builder
2211	chemical analyst	6221	chemicals sales representative
8612	chemical applicator - lawn care	2112	chemist - biomolecular assembly
2134	chemical engineer, design and development	2112	chemist
2134	chemical engineer, environmental	4011	chemistry professor - university
2134	chemical engineer, production	2112	chemistry research scientist
2134	chemical engineer, research	2112	chemistry researcher
2134	chemical engineer	2161	chemistry statistician
4011	chemical engineering professor - university	4021	chemistry teacher - agricultural school
2211	chemical engineering technician	4031	chemistry teacher - secondary school
2211	chemical engineering technologist	9432	chemi-thermomechanical pulp (CTMP) machine assistant operator
2211	chemical laboratory analyst	9432	chemi-thermomechanical pulp (CTMP) operator
2211	chemical laboratory supervisor	9432	chemi-wash operator - pulp and paper
2211	chemical laboratory technician	9441	chenille tender - textile manufacturing
2211	chemical laboratory technologist	1431	cheque control clerk
9432	chemical liquor preparation operator - pulp and paper	5254	chess instructor
0212	chemical manager	5251	chess player
9474	chemical mixer - photographic processing	9617	chewing gum batch mixer
2113	chemical oceanographer	9617	chewing gum production attendant
9421	chemical operator, chemical-processing	9461	chewing-gum machine tender
2111	chemical physicist	8431	chick sexer
9613	chemical plant labourer	8431	chicken catcher
9421	chemical plant machine operator	0821	chicken farmer
7311	chemical plant service mechanic	9462	chicken plucker
2211	chemical process analyst	9461	chicle centrifuge operator - food and beverage processing
2134	chemical process engineer	9617	chicle-grinder feeder - food and beverage processing
7612	chemical process equipment mechanic helper	0012	chief - disaster management
7311	chemical process equipment mechanic	1111	chief accountant
9232	chemical process operator	0212	chief actuary
2211	chemical process technologist		
9232	chemical process unit operator		
9212	chemical processing plant foreman/woman		
2211	chemical processing quality control technician		
2211	chemical processing quality control technologist		

0012	chief administrative officer - government services	0015	chief executive officer (CEO) - trade, broadcasting and other services
0012	chief administrative officer - regional municipality	0015	chief executive officer (CEO), deputy - trade, broadcasting and other services
0513	chief administrator, leisure	0015	chief executive officer (CEO), travel agency
0513	chief administrator, recreation	5212	chief exhibit officer - museum
2272	chief air traffic controller	0013	chief financial officer (CFO) - advertising agency
7301	chief aircraft maintenance engineer (AME)	0013	chief financial officer (CFO) - financial, communications and other business services
3234	chief ambulance attendant	0016	chief financial officer (CFO) - goods production, utilities, transportation and construction
7301	chief AME (aircraft maintenance engineer)	0014	chief financial officer (CFO) - health, education, social and community services and membership organizations
2151	chief architect	0015	chief financial officer (CFO) - trade, broadcasting and other services
0511	chief archivist	0016	chief financial officer (CFO) - urban transit system
6222	chief buyer - retail or wholesale	0014	chief financial officer (CFO), educational institution
6222	chief buyer	0015	chief financial officer (CFO), professional sports club
6211	chief canvasser - retail	9231	chief flotation operator
2134	chief chemical engineer	2271	chief flying instructor
2131	chief civil engineer	6511	chief host/hostess - food services
0423	chief clerk, House of Commons	0431	chief inspector - police
2223	chief cruiser	1221	chief invigilator
0511	chief curator	4111	chief justice
4421	chief deputy sheriff	0511	chief librarian
0431	chief detective - police	5226	chief lighting technician
3216	chief diagnostic medical sonographer	2274	chief marine engineer - water transport
0311	chief dietitian	2274	chief marine engineer, factory freezer trawler
5212	chief display officer - museum	2132	chief mechanical engineer
2253	chief draftsman	0311	chief of anatomical pathology
0012	chief electoral officer	0311	chief of anaesthesia
2133	chief electrical engineer	0311	chief of audiology and speech language pathology
7202	chief electrician	0311	chief of biomedical engineering service
3217	chief electroencephalograph technologist	0311	chief of cardiology
3217	chief electromyography (EMG) technologist	1121	chief of compensation and human resources information systems
2133	chief electronics engineer	0311	chief of dermatology
3217	chief EMG (electromyography) technologist	0311	chief of diagnostic imaging
2133	chief engineer - electric power	0311	chief of diagnostic radiology
2133	chief engineer - radio and television broadcasting	0311	chief of emergency medicine
2274	chief engineer - water transport	0311	chief of endocrinology
2274	chief engineer, Coast Guard vessel	0311	chief of gastro-enterology
2145	chief engineer, drilling and recovery	0311	chief of hematology
2274	chief engineer, fishing vessel	0311	chief of housing activities
2274	chief engineer, mobile platform - offshore drilling	0311	chief of infectious diseases
2274	chief engineer, self-propelled drilling rig	0311	chief of laboratory medicine
2234	chief estimator - construction	0311	chief of medical staff
0013	chief executive officer (CEO) - financial, communications and other business services	0311	chief of medicine
0016	chief executive officer (CEO) - goods production, utilities, transportation and construction	0311	chief of nephrology
0014	chief executive officer (CEO) - health, education, social and community services and membership organizations	0311	chief of neurology
0016	chief executive officer (CEO) - manufacturing company		
0013	chief executive officer (CEO) - telephone company		

0311	chief of obstetrics and gynecology	2275	chief rail traffic controller
0311	chief of occupational therapy	3214	chief respiratory technologist
0311	chief of operating area	2223	chief scaler
0311	chief of ophthalmology	6316	chief security guard
0311	chief of pathology	4421	chief sheriff
0311	chief of pediatrics	5226	chief stage electrician
0311	chief of pharmacy	9212	chief stationary engineer
0311	chief of physiotherapy	0012	chief statistician - government services
0431	chief of police	6522	chief steward, ship
1224	chief of property management	9212	chief substation operator
0414	chief of protocol	0431	chief superintendent - police
0311	chief of psychiatry	0422	chief superintendent - schools
0311	chief of psychology	0431	chief superintendent
0311	chief of radiation oncology	9232	chief technician, chemical processing
0311	chief of respirology	5226	chief technician, lighting effects
0311	chief of rheumatology	3217	chief technologist, electroencephalograph
0311	chief of staff - hospital	3217	chief technologist, electromyography (EMG)
0311	chief of surgery	3217	chief technologist, EMG (electromyography)
0311	chief of urology	3215	chief technologist, nuclear medicine
2273	chief officer, Coast Guard vessel	3215	chief technologist, radiation therapy
2273	chief officer, ship operations	3215	chief technologist, radiography
2273	chief officer, ship	1414	chief telephone operator
0013	chief operating officer - engineering firm	2275	chief train dispatcher
0013	chief operating officer - financial, communications and other business services	4313	chief warrant officer
0016	chief operating officer - goods production, utilities, transportation and construction	6513	chief wine steward
0014	chief operating officer - health, education, social and community services and membership organizations	0111	chief, accounting and financial control
0015	chief operating officer - trade, broadcasting and other services	0114	chief, administrative services
9232	chief operator - chemical processing	5241	chief, advertising illustrator
9231	chief operator - zinc pressure leach	0511	chief, archives
9241	chief operator, area dispatch - electrical power systems	0414	chief, bilateral relations
9241	chief operator, area dispatch	0212	chief, biological research department
9232	chief operator, batching process	0411	chief, claims and benefits control - employment insurance
9212	chief operator, continuous process	0112	chief, classification and compensation
9232	chief operator, hydro-electric station	0412	chief, economic analysis - government services
9232	chief operator, synthesis	0412	chief, economic policy analysis - government services
9212	chief operator, water treatment	0112	chief, employment equity
3125	chief orthoptist	0414	chief, federal-provincial relations
3214	chief perfusionist	0114	chief, financial and administrative services
2145	chief petroleum engineer	0432	chief, fire department
4313	chief petty officer first class	0011	chief, First Nations band
4313	chief petty officer second class	0412	chief, forest resource analysis - government services
5221	chief photographer	0411	chief, health information and promotion - government services
2271	chief pilot - air transport	0411	chief, health promotion - government services
2271	chief pilot, helicopter	0411	chief, immigration appeals and litigation - government services
2271	chief pilot	0411	chief, inquiries and services - employment insurance
5212	chief preparator - museums and art galleries	0414	chief, intergovernmental affairs
5212	chief preparator	0414	chief, intergovernmental relations
2134	chief process engineer	0414	chief, international relations - government
3215	chief radiographer	0414	chief, interprovincial relations
0311	chief radiology technologist		
3215	chief radiotherapy technologist		

0411	chief, labour demand analysis - government services	4411	children's guardian
0114	chief, legal department	5111	children's services librarian
0714	chief, maintenance support services	6421	children's wear sales clerk
0114	chief, management services division	6421	children's wear salesperson - retail
0411	chief, office of health promotion - government services	9421	chiller operator - chemical processing
0112	chief, official languages	9421	chiller tender - chemical processing
0112	chief, personnel	9617	chilling worker - food and beverage processing
0113	chief, purchasing	7281	chimney bricklayer
0431	chief, railway police	6732	chimney cleaner
0411	chief, regional pay centre - employment insurance	7281	chimney repair bricklayer
0411	chief, repayment and benefits control - employment insurance	7281	chimney repair stonemason
3214	chief, respiratory therapy	6732	chimney sweep
0411	chief, social development programs - government services	6421	china and crystal salesperson - retail
0411	chief, social programs development - government services	3232	Chinese medicine doctor (CMD)
0112	chief, staff relations	3232	Chinese medicine practitioner
0112	chief, staff training and development	9614	chip bin attendant - wood processing
0112	chief, staffing	9614	chip dump operator - wood processing
0112	chief, training	9431	chip reclaim operator - sawmill
4153	child and family counsellor	9434	chip screen tender - wood processing
4153	child and youth counsellor	9614	chip silo attendant - wood processing
4212	child and youth worker	9614	chip storage attendant - wood processing
4413	child care attendant - elementary school	9434	chip-mixing machine tender - wood processing
4164	child care licensing officer	9431	Chip-N-Saw operator - sawmill
4411	child care provider - private home	9612	chipper - metal products manufacturing
4214	child care worker - daycare	9434	chipper operator - wood processing
4214	child care worker assistant	9434	chipper operator
4214	child care worker, daycare	9414	chipper, pottery and porcelain
4411	child caregiver - private home	9612	chipper-grinder - metal products manufacturing
4165	child health care programs planning officer	9612	chipper-grinder
4411	child minder	8241	chipping machine operator - logging
4151	child psychologist	8241	chipping machine operator
4216	child safety educator	3125	chiropodist
3111	child specialist	3414	chiropractic aide
4164	child welfare policy analyst	3414	chiropractic assistant
0411	child welfare regional manager - government services	3122	chiropractic doctor
0423	child welfare services administrator	3414	chiropractic health assistant
0411	child welfare services manager - government services	3414	chiropractic office assistant
4152	child welfare social worker	3414	chiropractor aide
4212	child welfare worker	3122	chiropractor
0423	child-care centre administrator	9612	chisel grinder - metal products manufacturing
4164	child-care programs planning officer	9232	chlorination plant operator
4021	child-care service teacher - college level	9212	chlorine plant foreman/woman
4021	child-care service teacher	9232	chlorine plant operator
4164	child-care services liaison officer	9461	chocolate chips maker
4212	child-care worker (except day care)	9461	chocolate coater - food and beverage processing
4152	children's aid investigator	9461	chocolate crumbs maker
0423	children's aid society director	9213	chocolate factory foreman/woman
6421	children's clothing sales clerk	6332	chocolate maker
4153	children's counsellor	9461	chocolate moulder, machine
		9617	chocolate packer, hand
		9617	chocolate processing helper
		9461	chocolate refiner

9213	chocolate refining foreman/woman	9461	cigar patcher
9461	chocolate temperer	9461	cigar roller, hand
5132	choir director	9617	cigar wrapper
5132	choir leader	9537	cigarette case maker
5132	choirmaster	9461	cigarette filter machine tender
8616	choke setter - logging	9465	cigarette grader
9523	choke winder - electronic equipment manufacturing	9537	cigarette holder maker
8616	chokerman/woman - logging	9461	cigarette machine tender
8616	chokerman/woman	9461	cigarette maker operator
9441	chopping machine tender	9461	cigarette maker
5132	choral conductor	9617	cigarette packer
5132	choral director	9461	cigarette roller
8431	chore hand - agriculture	9461	cigarette stamper
5131	choreographer	9465	cigarette tester
5133	chorister	9461	cigarette tipper
5134	chorus dancer	6623	cigarette vendor
5132	chorus master	9617	cigar-wrapping machine tender
4217	Christian Science nurse - non-medical	2141	CIM (computer integrated manufacturing) engineer
4217	Christian science practitioner	9414	cinder block machine operator - concrete products
4217	Christian science worker	7281	cinder block mason
0822	Christmas tree farm operator	7281	cinder block setter
8432	Christmas tree shearer	7371	cinder crane operator
8432	Christmas tree trimmer	5131	cinematographer
9536	chromium plater	2161	cipher expert
5123	chronicler	9523	circuit board assembler
9461	chub sausage machine tender	9524	circuit breaker assembler
9437	chucking and boring machine operator - woodworking	9524	circuit breaker assembly tester
9437	chucking machine operator - woodworking	9525	circuit breaker fitter - industrial electrical equipment
9417	chucking machine set-up operator	7333	circuit breaker mechanic
5251	chuckwagon driver	2133	circuit design engineer
5251	chuckwagon racer - stampede	2241	circuit designer - railway
6733	church caretaker	1513	circular distributor - courier service
5133	church organist	9442	circular knitter
1241	church secretary	9442	circular knitting machine knitter
4217	church worker	7384	circular saw filer
7373	churn drill operator - water well drilling	9414	circular saw operator - concrete, clay and stone products
7611	churn drill operator helper - water well	9431	circular saw operator - sawmill
8231	chute blaster - underground mining	9437	circular saw operator - woodworking
8231	chute blaster	9431	circular saw operator
8411	chute loader - underground mining	3012	circulating nurse
8411	chute operator - underground mining	1451	circulation assistant
8614	chute puller	1451	circulation clerk - library
9461	cider maker	1452	circulation clerk, newspaper
9461	cider plant worker	0124	circulation manager
9617	cigar bander	5232	circus artist
9617	cigar brander	5232	circus performer
9461	cigar bunch maker	5227	circus rigger
9461	cigar buncher	5231	circus ringmaster
9461	cigar dryer	1227	citizenship judge
9461	cigar filler, mixer and shredder	4164	citizenship officer
9465	cigar grader	1228	citizenship registration examiner
9461	cigar maker, hand	9461	citrus juice extractor
9461	cigar maker, machine	0012	city administrator
9461	cigar maker		
9461	cigar moulder, hand		

0011	city alderman	9463	clam shucker - fish and seafood processing
4112	city attorney	9463	clam steamer - fish and seafood processing
0011	city councillor	9533	clamp carrier
0011	city councilman/woman	9619	clamp remover - wood products manufacturing
5122	city editor		
0012	city hall clerk	9472	clammer - camera and platemaking
0012	city manager	7611	clammer - construction
0411	city medical officer of health - government services	9525	clammer, transformer assembly coils
		9525	clammer, transformer assembly
2153	city planner - land use	9437	clamping machine tender - woodworking
2153	city planner	9463	clam-shucking machine tender - fish and seafood processing
4112	city solicitor		
0012	city superintendent	9461	clarifying equipment tender - food and beverage processing
2154	city surveyor		
3112	civil aviation medical officer	5134	classical dance instructor
2253	civil draftsman	5134	classical dancer
1221	civil emergency measures officer	4031	classical languages secondary school teacher
2131	civil engineer		
2231	civil engineering design technologist	4011	classics professor - university
0211	civil engineering division manager	0112	classification and compensation chief
4011	civil engineering professor - university	1415	classification clerk - human resources
2231	civil engineering studies technologist	1411	classification clerk, records
2231	civil engineering technician	1411	classification clerk
2231	civil engineering technologist	4155	classification counsellor - corrections
2131	civil inspection engineer	1121	classification officer - human resources
4112	civil lawyer	4155	classification officer, correctional institution
7441	cladder	1121	classification policy adviser
9611	cladding assembler - primary metal processing	1121	classification specialist
		6411	classified ad salesperson
4112	claim attorney	1452	classified advertising clerk
6552	claim clerk, lost or damaged goods	5111	classifier - library
1111	claims accountant	9611	classifier helper - primary metal and mineral products processing
1228	claims adjudication officer - employment insurance	9411	classifier operator
		1252	classifier, health records
1228	claims adjudicator - employment insurance	1253	classifier, records
1312	claims adjuster - insurance	4413	classroom assistant - primary and secondary school
1212	claims adjusters supervisor		
0411	claims and benefits control chief - employment insurance	9414	clay dry press operator
		9414	clay insulator builder - clay products
1312	claims approver - insurance	5136	clay modeller
1434	claims clerk - insurance	9414	clay pipe bender
1435	claims collector	9211	clay preparation foreman/woman
1312	claims consultant	9414	clay press operator
1312	claims examiner - insurance	9611	clay press worker
1312	claims examiner	9611	clay products finisher
1312	claims investigator - insurance	9415	clay products grader
1312	claims investigator	9414	clay products machine operator
1121	claims manager - compensation and benefits	9211	clay products manufacturing foreman/woman
1221	claims officer	9414	clay products moulder, hand
1228	claims processing officer - immigration	9414	clay products moulder
1312	claims representative - insurance	9414	clay products polisher
1312	claims representative	9211	clay shop foreman/woman
1212	claims service supervisor	9414	clay structure moulder and installer
6564	clairvoyant	9414	clay temperer - clay products
8613	clam digger	9415	clay tile grader - mineral products processing
8262	clam dredge operator		
8262	clam fisherman/woman		

9211	clay, glass and stone furnace and kiln operations foreman/woman	6731	cleaner
9211	clay, glass and stone furnace and kiln operators supervisor	9536	cleaner-coater, vehicles
9414	clayware driller	9461	cleaner-dryer, grain - food and beverage processing
9414	clayware turner	9461	cleaning and classifying operator - tobacco processing
9414	claywork moulder	6315	cleaning and maintenance supervisor
6741	cleaner - laundry and dry cleaning	9421	cleaning compounds mixer
9463	cleaner and cutter, fish - fish processing	6731	cleaning lady
9619	cleaner and finisher, upholstery	6741	cleaning machine operator - laundry and dry cleaning
6741	cleaner and presser - laundry and dry cleaning	9537	cleaning machine tender, ultrasonic
6732	cleaner and repairer, venetian blinds	6731	cleaning man/woman
9611	cleaner, brick and tile kilns	6623	cleaning products salesperson - door-to-door sales
6732	cleaner, building exteriors		
6732	cleaner, carpets	0015	cleaning service general manager
9611	cleaner, castings - primary metal and mineral products processing	6411	cleaning services sales representative
6732	cleaner, chimneys	6315	cleaning supervisor
6732	cleaner, drain-roto	6731	clean-up crew worker
9613	cleaner, filter - chemical processing	9437	clean-up sander - woodworking
6732	cleaner, fireplaces	7384	clearance diver
6732	cleaner, freight cars	8422	clearing saw operator - forestry
6732	cleaner, furnace	9437	cleat notcher - woodworking
6732	cleaner, heavy duty	4155	clemency officer - corrections
6731	cleaner, hospital	4154	clergyman/woman
6733	cleaner, industrial plant	1411	clerical assistant
9619	cleaner, ink fountains - printing	1211	clerical supervisor
9537	cleaner, jewellery	1434	clerk - financial sector
6732	cleaner, laboratory equipment	0414	Clerk - Legislative Assembly
6731	cleaner, light duty	1227	clerk of probate
6731	cleaner, lodge	1227	clerk of proceedings - courts
9612	cleaner, metal - metal products manufacturing	1416	clerk of process - courts
9612	cleaner, moulds - foundry	5253	clerk of scales - racetrack
9615	cleaner, moulds - rubber products manufacturing	0414	clerk of the committee, Legislative Assembly
6733	cleaner, plant	5253	clerk of the course - harness racing
9619	cleaner, porcelain enamel products	5253	clerk of the course - horseback racing
8431	cleaner, poultry yard	5253	clerk of the course - racetrack
9619	cleaner, processing equipment	1227	clerk of the court
6731	cleaner, rest rooms	1227	clerk of the Crown - courts
6731	cleaner, rooms	0012	clerk of the House of Commons
6732	cleaner, rugs	0414	Clerk of the Legislative Assembly
6732	cleaner, septic tank	0012	Clerk of the Privy Council
9611	cleaner, soaking pit bottom - primary metal processing	1414	clerk switchboard operator
9619	cleaner, spray booths	1411	clerk, aircraft records
9613	cleaner, still - chemical processing	6421	clerk, bakery counter
6732	cleaner, swimming pool	6524	clerk, bookings - railway
6732	cleaner, tank	6524	clerk, bookings - wholesale travel
9616	cleaner, textile machines	6524	clerk, bookings (except airline)
9615	cleaner, tires - rubber products manufacturing	1411	clerk, classification
6732	cleaner, vehicle	1416	clerk, court
6732	cleaner, ventilation system	6552	clerk, customer service
6732	cleaner, window	6421	clerk, deli counter
		6525	clerk, front desk - hotel
		6525	clerk, front office - hotel
		1411	clerk, general office
		1414	clerk, hospital admissions
		6525	clerk, hotel front desk

6525	clerk, hotel	3111	clinical immunologist-allergist
4211	clerk, law	3111	clinical immunology and allergy specialist
1451	clerk, library	3211	clinical immunology technologist
1511	clerk, mail - railway transport	3214	clinical instructor, cardiovascular perfusion
1511	clerk, mail distribution	3214	clinical instructor, clinical perfusion
1511	clerk, mail room	3215	clinical instructor, nuclear medicine
1511	clerk, mail	3215	clinical instructor, radiation therapy
6552	clerk, maintenance service	3215	clinical instructor, radiography
6421	clerk, meat counter	3214	clinical instructor, respiratory therapy
1411	clerk, meter records	3414	clinical laboratory helper
6525	clerk, night - hotel	3212	clinical laboratory technician
1511	clerk, post office	3211	clinical laboratory technologist
1411	clerk, records classification	0311	clinical medicine, director of
1411	clerk, records	3012	clinical nurse specialist
6523	clerk, reservations - airline	3012	clinical nurse
6524	clerk, reservations - cruise line	3132	clinical nutritionist
6525	clerk, reservations - hotel	3143	clinical occupational therapist
6524	clerk, reservations - railway	3143	clinical occupational therapy specialist
6524	clerk, reservations - wholesale travel	3125	clinical orthoptist
6524	clerk, reservations (except airline)	3111	clinical pathologist
6421	clerk, retail sales	3214	clinical perfusion clinical instructor
6525	clerk, room - hotel	3214	clinical perfusion supervisor
1511	clerk, shipping - railway transport	3214	clinical perfusionist
6524	clerk, stowage	3131	clinical pharmacist
6622	clerk, supermarket	3111	clinical pharmacologist
1227	clerk, Supreme Court	3142	clinical physical therapist
1411	clerk, technical records	3142	clinical physiotherapist
1416	clerk-crier, court	0212	clinical projects manager
1212	clerks supervisor - bank or financial institution	4151	clinical psychologist
1411	clerk-stenographer	4165	clinical research associate
4412	client care attendant - home care	4165	clinical research program manager
1122	client group supervisor	0311	clinical services manager
6552	client service clerk	4165	clinical trials co-ordinator
6523	client service representative - airline	9619	clip-loading machine feeder
6524	client service representative - bus line	9434	clipper operator - wood processing
2282	client support representative - systems	9441	clipping machine tender
2255	climate data processor	1452	clipping marker
2255	climate service technician	6742	cloakroom attendant
2255	climatological technician	9537	clock and timer movement automated line assembler
2114	climatologist	9537	clock and watch assembler
7371	climbing crane operator	9227	clock and watch assembly foreman/woman
7371	climbing tower crane operator	9537	clock and watch assembly inspector
3414	clinic assistant - medical	9227	clock and watch assembly repairers foreman/woman
3012	clinic nurse	9227	clock and watch assembly repairers supervisor
3141	clinical audiologist	9227	clock and watch assembly supervisor
2148	clinical biomedical engineer	9537	clock and watch dial installer
2112	clinical chemist	9537	clock and watch finisher
3215	clinical co-ordinator, nuclear medicine	9537	clock and watch hairspring truer
3142	clinical co-ordinator, physical therapy	9227	clock and watch inspection foreman/woman
3142	clinical co-ordinator, physiotherapy	9537	clock and watch movements tester
3215	clinical co-ordinator, radiation therapy	9537	clock assembler
3215	clinical co-ordinator, radiography	9537	clock assembly adjuster
4153	clinical counsellor	9537	clock balance wheel assembler
3132	clinical dietitian	9537	clock finisher
3232	clinical hypnotherapist		
3111	clinical immunologist		

9537	clock hairspring calibrator	9445	clothing cutter - clothing manufacturing
9537	clock hairspring maker	9445	clothing cutter
9537	clock part die casting assembler	4021	clothing design teacher
6344	clock repairer	5243	clothing designer
6344	clock repairman/woman	0911	clothing factory manager
6421	clock shop clerk	9447	clothing inspector
9537	clock spring assembler	6741	clothing ironer - laundry and dry cleaning
9537	clock staker	9217	clothing manufacturing foreman/woman
5253	clocker, racetrack	9619	clothing plant labourer
9537	clockmaker - manufacturing	0113	clothing purchasing director
6344	clockmaker	0113	clothing purchasing manager
1251	closed captioner	6421	clothing salesperson - retail
2242	closed circuit television installer	6421	clothing salesperson
2264	closed circuit TV sewer inspector	0621	clothing store manager
9446	closer - sewing	9447	cloth-measuring machine tender
9446	closer sewing machine operator	9441	cloth-neutralizing and cloth-rinsing machine operator
9619	cloth baler - textiles	9441	cloth-printing machine helper
9441	cloth bleacher	9441	cloth-printing machine tender
9616	cloth carrier	9441	cloth-printing roller changer
9445	cloth cutter - fabric products manufacturing	9441	cloth-processing range tender
9619	cloth cutter, hand	5232	clown
9441	cloth dryer	6513	club car attendant
9441	cloth dyer	6722	clubhouse attendant
9447	cloth examiner	6316	clubhouse attendants supervisor
9441	cloth finisher	9526	clutch assembler
9616	cloth folder, hand	9526	clutch assembly inspector, motor vehicles
9447	cloth grader	9526	clutch inspector
9447	cloth inspector	9526	clutch preassembler
9619	cloth layer - garment manufacturing	9526	clutch rebuilder
9447	cloth measurer	1111	CMA (certified management accountant)
9446	cloth mender	3232	CMD (Chinese medicine doctor)
9441	cloth mercerizer operator	2264	CMHC (Canada Mortgage and Housing Corporation) inspector
9441	cloth neutralizer	3233	CNA (certified nursing assistant)
9616	cloth offbearer	9417	CNC (computer numerical control) lathe operator - metal machining
9441	cloth printer	9417	CNC (computer numerical control) machining tool operator
9442	cloth ribber	7231	CNC (computer numerical control) machinist
9447	cloth sampler	2233	CNC (computer numerical control) Mastercam programmer
9441	cloth shade maker	9417	CNC (computer numerical control) profile mill operator
9441	cloth shader	2233	CNC (computer numerical control) programmer
9441	cloth shrinker	9437	CNC (computer numerically controlled) band saw operator
9447	cloth sorter	9416	CNC (computer numerically controlled) brake press operator
9441	cloth steamer	9416	CNC (computer numerically controlled) brake press set-up operator
9441	cloth stretcher-dryer tender	9417	CNC (computer numerically controlled) machine set-up operator - metal machining
9447	cloth tester	9417	CNC (computer numerically controlled) machining centre operator
9616	cloth turner		
9441	cloth washer - textile manufacturing		
9442	cloth weaver		
9616	cloth winder		
9441	cloth-bleaching range tender		
9445	cloth-cutting machine operator - fabric products manufacturing		
9441	cloth-doubling machine operator		
9441	cloth-dyeing range tender		
9524	clothes dryer assembler, electric		
6741	clothes presser - laundry and dry cleaning		
9441	cloth-finishing range operator		
6222	clothing buyer		

2233	CNC (computer numerically controlled) technologist	7511	coal hauler (except underground mining)
9437	CNC (computer numerically controlled) woodworking machine tool operator	7452	coal loader-unloader
9417	CNC machining machine tool operator	1525	coal mine car dispatcher
2233	CNC/CMM (computer numerically controlled coordinate measuring machine) programmer	8221	coal mine foreman/woman
3219	CO (certified orthotist)	8231	coal miner
9526	coach assembler - bus assembly	2142	coal preparation consulting engineer
7314	coach repairer, railway	8614	coal sampler
5252	coach, amateur athletics team	9411	coal screener
5252	coach, amateur sports team	9411	coal separator
5252	coach, amateur track and field team	9232	coal tar distiller
5252	coach, athletics team	9411	coal washer
5252	coach, athletics	7452	coal wheeler
5252	coach, baseball team	9211	coal-and-coke crushing and grinding foreman/woman
5252	coach, baseball	7452	coal-moving equipment operator
5252	coach, basketball team	9411	coarse salt equipment operator
5252	coach, bobsled	2274	Coast Guard vessel chief engineer
5252	coach, bobsleigh	2273	Coast Guard vessel commanding officer
5252	coach, figure skating	2274	Coast Guard vessel first watchkeeping engineer
5252	coach, football team	2273	Coast Guard vessel first watchkeeping officer
5252	coach, football	2274	Coast Guard vessel marine engineer officer
5252	coach, gymnastics	2273	Coast Guard vessel navigation officer
5252	coach, hockey team	2274	Coast Guard vessel second engineer
5252	coach, hockey	2273	Coast Guard vessel second officer
5252	coach, junior hockey	2274	Coast Guard vessel second watchkeeping engineer
5252	coach, lacrosse team	2273	Coast Guard vessel second watchkeeping officer
5252	coach, lacrosse	2274	Coast Guard vessel senior engineer
4212	coach, life skills	2274	Coast Guard vessel third engineer
5252	coach, luge	2273	Coast Guard vessel third officer
5252	coach, national team	2274	Coast Guard vessel third watchkeeping engineer
5252	coach, professional sports team	2273	Coast Guard vessel third watchkeeping officer
5252	coach, professional team	2131	coastal engineer
5252	coach, provincial team	6742	coat and hat checker
5252	coach, ski	9527	coater - electrical equipment manufacturing
5252	coach, sports	9441	coater operator - textile manufacturing
5252	coach, swim	9537	coater operator, optical mirrors
5252	coach, swimming	9441	coater tender - textile manufacturing
5252	coach, team of professional athletes	9421	coater, asphalt
5252	coach, tennis	9537	coater, optical elements - non-prescription
5252	coach, track and field athletes	9536	coater, rustproof - motor vehicle manufacturing
5252	coach, track and field team	9435	coater-laminator - paper products
5252	coach, track and field	9536	coater-painter, pipes
5252	coach, volleyball	9441	coating and embossing unit operator - textile manufacturing
5252	coach	9421	coating compounds mixer - chemical processing
9422	coagulator, plastics	9536	coating equipment operator - metal plating
9411	coal breaker	9536	coating equipment operator
7452	coal conveyor operator - surface mining	9613	coating machine feeder - chemical processing
7452	coal conveyor operator		
7452	coal dumper		
7331	coal furnace installer		
7331	coal furnace installer-mechanic		
9232	coal gas exhaust operator		
2113	coal geologist		
7452	coal handler		
8411	coal hauler - underground mining		

9615	coating machine feeder - plastic products manufacturing	9523	coil assembler - electronic equipment manufacturing
9615	coating machine feeder - rubber products manufacturing	9525	coil assembler - industrial electrical equipment
9614	coating machine helper	9611	coil bander - primary metal processing
9421	coating machine operator - chemical processing	9525	coil builder - industrial electrical equipment
9527	coating machine operator - electrical equipment manufacturing	9525	coil clasper, transformer assembly
9536	coating machine operator - industrial painting and coating	7333	coil connector repairer
9441	coating machine operator - textile manufacturing	9524	coil finisher - electrical equipment manufacturing
9536	coating machine operator, production	9525	coil former - industrial electrical equipment
9421	coating machine tender - chemical processing	9523	coil inspector - electronic equipment manufacturing
9536	coating machine tender - product manufacturing	9525	coil installer, motor and generator - industrial electrical equipment
9441	coating machine tender - textile manufacturing	9418	coil machine operator
9536	coating machine tender, pencils	9525	coil maker - industrial electrical equipment
9536	coating oven tender - manufacturing	9525	coil shaper - industrial electrical equipment
9461	coating pan operator - food and beverage processing	9612	coil spring grinder - metal products manufacturing
9215	coating room foreman/woman - pulp and paper	9418	coil spring machine tender
9536	coating tank dipper	9524	coil taper - electrical equipment manufacturing
2112	coatings chemist	9525	coil taper, hand - industrial electrical equipment
2134	coatings engineer, chemical	7333	coil winder and repairer
9421	coatings mixer - chemical processing	9525	coil winder, transformer
6343	cobbler	9222	coil winding foreman/woman - electronics manufacturing
6513	cocktail waiter/waitress	8412	coiled tubing operator - oil field services
9617	cocoa bean cleaner	9418	coiler - metal products manufacturing
9617	cocoa bean press-mill helper	9411	coiler operator - primary metal processing
9617	cocoa bean roaster helper	9418	coiler, hot-wound springs
9461	cocoa bean roaster	9418	coiler, springs
9461	cocoa bean-shelling machine tender	9418	coiler, valve springs
9461	cocoa butter filterer	9418	coiling machine operator - metal products manufacturing
9461	cocoa mill operator	9418	coil-rewind machine tender
9617	cocoa powder mixer	9523	coil-winding machine operator - electronic equipment manufacturing
9461	cocoa-nib grinder	9525	coil-winding machine setter - industrial electrical equipment
1431	COD (cash on delivery) clerk	9524	coil-winding machine tender - automatic electrical equipment
1454	coding clerk - statistics	9524	coil-winding machine tender, automatic - electrical equipment manufacturing
9527	coding machine tender - electrical equipment manufacturing	0621	coin dealer
9461	coffee blender	6742	coin laundry attendant
9461	coffee grinder	9421	coke by-products pump operator - chemical processing
9524	coffee maker assembler	9411	coke by-products pump operator - primary metal processing
9461	coffee roaster	9411	coke grinder
9213	coffee roasting foreman/woman	9415	coke inspector - primary metal processing
9617	coffee-blending machine feeder	9611	coke loader - primary metal processing
9532	coffin and casket fitter	9411	coke oven door operator
9423	cogger, rubber belts	9611	coke oven heater helper
4151	cognitive psychologist		
9524	coil adjuster - electrical equipment manufacturing		

9411	coke oven operator	4033	college counsellor
9211	coke ovens foreman/woman	0421	college director - post-secondary education
9231	coke plant by-products operator	4021	college instructor
9415	coke sampler and tester - primary metal processing	4012	college laboratory assistant
9411	coke screen tender	4021	college lecturer
9211	coke screening foreman/woman - mineral and metal processing	4021	college of applied arts and technology instructor
9211	coke screening foreman/woman	4021	college of applied arts and technology teacher
9411	coke-screen and coke-blender tender	0014	college president
9416	cold drawn operator - metal forging	0422	college principal - secondary level
6321	cold foods chef	0421	college registrar
9611	cold mill feeder - primary metal processing	4021	college teacher
9231	cold mill operator - primary metal processing	4012	college teaching assistant
7611	cold patcher, asphalt	7322	collision repair technician
9416	cold press operator - metal forging	0433	colonel
9437	cold press tender - woodworking	6561	colour analyst, fashion
9611	cold roll catcher - primary metal processing	9471	colour and large copier operator
9611	cold rolling mill feeder - primary metal processing	5241	colour artist - cartoons
9411	cold steel roller - steel production	9435	colour card maker, machine
9411	cold steel rolling mill operator	5242	colour consultant - home decorating
1423	cold-composition typographer	6561	colour consultant, fashion
7622	cold-storage checker - transport	9471	colour copier operator
0651	cold-storage manager	9472	colour correction scanning machine operator
1423	cold-typesetting typographer	9472	colour edition preparer - printing
9537	collar and belt turner	9474	colour film analyzer - photographic processing
9473	collating machine operator - printing	9447	colour grader - textiles
9473	collator and gluer, machine - printing	9421	colour grinder tender - chemical processing
9619	collator tender - printing	9421	colour matcher - chemical processing
9619	collator-inserter tender - printing	9447	colour matcher - textiles
1414	collect call operator - telephone system	9441	colour mixer - textile manufacturing
6411	collection agency sales representative	9421	colour mixer, prints - chemical processing
1228	collection agent - government services	9471	colour photocopier operator
1435	collection agent (except taxation)	9471	colour photocopy operator
0132	collection and delivery operations manager - postal service	9523	colour picture tube assembler
0122	collection centre manager	9472	colour printer-technician - photographic processing
1435	collection clerk	9472	colour scanner operator - printing
1212	collection clerks supervisor	9472	colour separation assistant - scanning
1242	collection legal assistant	9472	colour separation camera operator - printing
0122	collection manager - bank or trust company	9472	colour separation camera operator
0122	collection manager	9472	colour separation electronic scanning machine operator
1228	collection officer - taxation	9472	colour separation operator
1435	collection officer (except taxation)	5225	colour timer - video
4211	collection paralegal	9421	colour weigher and mixer
1212	collection supervisor	9537	colour-card maker, hand
7522	collection truck driver - public works	9472	colour-editing terminal operator - printing
1228	collection unit head - government services	9441	colourer tender - hide and pelt processing
5113	collections archivist	5241	colourist - cartoons
0111	collections department manager	9441	colourist - textile manufacturing
1435	collections investigation officer	5223	colourist, photography
1121	collective agreement negotiator	9232	column operator - chemical processing
1435	collector of taxes	5123	columnist, entertainment
8422	collector, seed cones	5123	columnist, fashion
1435	collector	5123	columnist, society
0014	college chancellor		

5123	columnist, sports	7294	commercial construction painter
5123	columnist	5241	commercial design artist
7311	comb fixer - textile manufacturing	5241	commercial designer
9537	comb maker	0132	commercial development manager - postal and courier services
7311	comb setter - textile manufacturing		commercial development officer - government
9441	combed sliver dyer - textile manufacturing	4163	commercial diver
9441	comber - textile manufacturing	7384	commercial draftsman
7246	combination man/woman - telecommunications	2253	commercial foodservice appliance technician
7312	combination mechanic, heavy equipment	7332	commercial free-diver
7237	combination welder	7384	commercial laundry appliance technician
8431	combine operator	7332	commercial law administrative assistant
3212	combined laboratory and x-ray technician	1242	commercial law clerk
3211	combined laboratory and x-ray technologist	4211	commercial law legal assistant
9614	combiner machine helper	1242	commercial law notary
9433	combiner machine operator - paper mill	4112	commercial law paralegal
9441	combining and drawing machine tender - textile manufacturing	4211	commercial law secretary
9415	combustion tester, furnace - primary metal processing	1242	commercial lawyer
5135	comedian	4112	commercial mortgages accounts manager
5135	comic	0122	commercial mortgages manager
0433	commander	0124	commercial network development manager
0431	commanding officer - police	5221	commercial photographer
2273	commanding officer - water transport	2271	commercial pilot
2273	commanding officer, Coast Guard vessel	7381	commercial press operator
2273	commanding officer, dredge	1224	commercial property manager
2273	commanding officer, offshore rig	6232	commercial real estate agent
5231	commentator, fashion show	6232	commercial real estate salesperson
5123	commentator, radio	7313	commercial refrigeration mechanic
5123	commentator	9524	commercial refrigerator assembler
4163	commerce officer	4163	commercial research analyst
4031	commerce teacher - secondary school	6411	commercial salesperson - wholesale
0601	commercial accounts manager	7384	commercial scuba diver
6411	commercial agent - wholesale	6316	commercial security officers supervisor
7612	commercial air conditioning mechanic helper	9446	commercial sewing machine operator
7313	commercial air conditioning mechanic	7441	commercial sign erector
2271	commercial airline pilot	7441	commercial sign installer
0412	commercial analysis director - government services	7384	commercial skin diver
6221	commercial and industrial equipment and supplies sales representative - technical wholesale	4021	commercial subjects teacher - vocational institute
6411	commercial and industrial equipment and supplies sales representative - wholesale (non-technical)	7321	commercial trailer mechanic
5231	commercial announcer	7321	commercial trailer technician
4021	commercial art instructor	4423	commercial transport inspector
4021	commercial art teacher	7321	commercial transport vehicle mechanic
5241	commercial artist	6411	commercial traveller - wholesale
0122	commercial attaché	1313	commercial underwriter - insurance
7332	commercial bakery appliance technician	4021	commercial vehicle driver instructor
6235	commercial banking accounts officer	4423	commercial vehicle enforcement officer
0122	commercial banking manager	6523	commissary agent - airline
7294	commercial building painter	6522	commissary attendant - air transport
1224	commercial building rental agent	6513	commissary waiter/waitress
0711	commercial construction manager	6411	commission agent, livestock
		0121	commission brokers manager - investments
		5253	commission steward - horse racing
		6541	commissionaire - security
		6541	commissionaire
		2154	commissioned land surveyor

6421	commissioned salesperson - retail	1525	communications specialist dispatcher
0012	commissioner - government services	1123	communications specialist
1227	commissioner of affidavits	4021	communications teacher - college level
0012	commissioner of inquiries - government services	2241	communications technologist
0012	commissioner of inquiries	3237	communicative disorders assistant
1227	commissioner of marriages	3237	communicative disorders instructor
0012	commissioner, territorial	4212	community and social services worker
1222	committee clerk	2153	community and urban planner
0121	commodities trading manager	7247	community antenna television (CATV) installation technician - telecommunications
1113	commodity broker	7247	community antenna television (CATV) maintenance technician
1113	commodity trader	7247	community antenna television (CATV) service installation technician - telecommunications
0433	commodore	7247	community antenna television (CATV) technician - cable television
3237	communication aide - medical	7247	community antenna television (CATV) technician - telecommunications
3237	communication assistant - medical	0423	community arts co-ordinator
1213	communication clerks supervisor	3141	community audiologist
5241	communication designer	4155	community case manager officer - corrections
3237	communication disorders assistant	4212	community centre co-ordinator
3237	communication disorders instructor	0423	community centre director
7246	communication electrician - network craft	0423	community centre manager
6221	communication equipment sales representative	4212	community centre worker
7245	communication line technician	0421	community college dean
4312	communication service firefighter	4021	community college instructor
0213	communication systems design manager	0014	community college president
7246	communication systems technician	0421	community college registrar
7245	communication technician - construction	4021	community college teacher
7246	communication technician, telephone	4212	community counsellor - social services
1123	communications adviser	3222	community dental hygienist
1123	communications consultant	4163	community development consultant
0124	communications director - sales and marketing	4212	community development worker
0124	communications director	3132	community dietitian
7245	communications electrician - construction craft	4163	community economic development consultant
7246	communications electrician - telecommunications	0412	community economic development director - government services
9523	communications equipment assembler	4163	community economic development officer
9222	communications equipment assembly foreman/woman - electronics manufacturing	3012	community health nurse
2244	communications equipment repairer - avionics	3111	community health physician
5212	communications equipment restoration technician - museum	3212	community health technician - medical laboratory
9222	communications equipment testing supervisor - electronics manufacturing	1123	community information officer
1123	communications expert	5125	community interpreter
7202	communications foreman/woman	4212	community liaison worker
0124	communications manager - public relations	3111	community medicine physician
0131	communications manager - telecommunications	3111	community medicine specialist
0124	communications manager, Internet	4153	community mental health counsellor
0124	communications manager	4212	community mental health worker
1123	communications officer	5212	community museum technician
4161	communications policy researcher	3132	community nutritionist
2111	communications research scientist	3143	community occupational therapist
1221	communications service co-ordinator	4212	community organization worker

4164	community organizer	1121	compensation and classification analyst
3131	community pharmacist	1121	compensation consultant
2153	community planner	0112	compensation manager
0411	community planning director - government services	1121	compensation officer
4021	community planning teacher - college level	1121	compensation research analyst
4311	community police officer	1121	compensation researcher-analyst
4164	community policing program consultant	5253	competitive sports judge
3143	community practice occupational therapist	5251	competitor - chess
3112	community preventive medicine physician	5251	competitor - gambling
0423	community programs director	1452	compiler
4151	community psychologist	7246	complaint service technician - telecommunications
4167	community recreation and leisure consultant	6552	complaints adjuster
4167	community recreation and leisure counsellor	6552	complaints clerk - customer service
4167	community recreation co-ordinator	6552	complaints clerk - telephone system
2153	community recreation planner	6552	complaints specialist - customer service
4167	community recreational and leisure programs consultant	2264	compliance inspector - buildings
4167	community recreational and leisure programs counsellor	9523	component inserting machine operator
0411	community rehabilitation manager - government services	9523	component inspector - electronic equipment manufacturing
4212	community rehabilitation worker	9523	components assembler - electronic equipment manufacturing
4311	community relations officer - police	5132	composer
0422	community school principal	7303	composing foreman/woman - printing
4212	community service worker	1423	composing machine operator - typesetting
0423	community services director	1423	composing machine operator, Linotype
4311	community services officer - police	1452	composing room proofreader
4212	community services officer - social services	7303	composing room supervisor - printing
4164	community social development officer	7315	composite and sheet metal repairer, aircraft
3141	community speech-language pathologist	7315	composite repair technician
4031	community teacher, Aboriginal school - secondary school	7295	composition floor layer
4031	community teacher, Native school - secondary school	9421	composition mixer - chemical processing
4212	community worker	7291	composition roofer
4021	community-based trainer	1423	compositor - typesetting
9525	commutator assembler - industrial electrical equipment	7303	compositors foreman/woman - printing
9525	commutator assembler	7303	compositors supervisor - printing
9524	compact disc assembler	1423	compositor-typographer
9535	compact disc inspector - plastic products manufacturing	0912	compost facility manager
9537	compact disc matrix inspector	9212	compost facility supervisor
9523	compact disc player assembler	9421	compounder - chemical processing
9523	compact disc player inspector and tester	9421	compounder, latex
6421	compact disc sales clerk	9422	compounder, plastics and plastic products
3114	companion animal veterinarian	9422	compounder, plastics
4412	companion	9214	compounding foreman/woman - rubber and plastic manufacturing
7513	company chauffeur	9537	compressed air and gas regulator assembler
3112	company physician	7311	compressed gas plant maintenance mechanic
4021	company trainer	9613	compressed gas plant worker
6623	comparison shopper	2211	compressed gases tester
9537	compass assembler	9422	compression moulder - plastic manufacturing
7612	compassman/woman - land surveying	9214	compression moulding foreman/woman - rubber and products manufacturing
6552	compensation agent	7316	compressor fitter
1121	compensation and benefits co-ordinator	9232	compressor operator, gas processing
		9232	compressor operator, natural gas
		9212	compressor station foreman/woman

0912	compressor station manager	0621	computer products dealer - retail
9232	compressor station operator - pipelines	0621	computer products store manager
0012	comptroller general of Canada	2174	computer programmer
2171	computer analyst	4021	computer programming instructor - college level
0213	computer and related services manager	0213	computer programs manager
5241	computer animator	0213	computer projects manager
2174	computer application programmer	2242	computer repair technician
2173	computer applications engineer	6421	computer salesperson - retail
0213	computer applications manager	4011	computer science professor - university
6221	computer applications sales engineer	4021	computer science teacher - college level
1111	computer audit specialist	5111	computer search librarian
2241	computer communications technician	2242	computer service technician
2171	computer consultant	6411	computer services sales representative
0213	computer department co-ordinator	2171	computer simulations analyst
0213	computer development division head	0213	computer software design manager
0413	computer education director	2173	computer software engineer
2147	computer engineer (except software)	6221	computer software sales representative
2147	computer engineer	0213	computer system operations manager
2242	computer equipment installer	6221	computer system sales representative
1422	computer equipment operator	2171	computer systems analyst
2242	computer equipment repairer	2171	computer systems development co-ordinator
6221	computer equipment sales specialist	0213	computer systems development manager
2242	computer equipment technician - household and business equipment	2147	computer systems engineer
0213	computer facility manager	0213	computer systems manager
2242	computer field service technician	2281	computer tape librarian
2174	computer game developer	0421	computer technology school director
5223	computer graphics design technician	4031	computer technology teacher - secondary school
5223	computer graphics operator	2173	computer telecommunications software specialist
5241	computer graphics specialist	2147	computer telecommunications specialist
5223	computer graphics technician	1422	computer terminal operator
2147	computer hardware engineer	4021	computer trainer
2241	computer hardware technologist	4021	computer training instructor
2282	computer help desk representative - systems	4021	computer training representative
2282	computer help desk supervisor	1423	computer typesetter
2241	computer inspector-tester	2253	computer-aided design (CAD) specialist - drafting
2141	computer integrated manufacturing (CIM) engineer	2253	computer-aided design (CAD) technologist
0213	computer manager	2253	computer-aided drafting (CAD) technician
2281	computer network technician	1423	computer-aided page maker-up
2281	computer network technicians' supervisor	2253	computer-assisted design and drafting technologist
0213	computer networks manager	2233	computer-assisted design/computer-assisted manufacturing (CAD/CAM) programmer
7231	computer numerical control (CNC) machinist	4021	computer-assisted drafting (CAD) instructor
2233	computer numerical control (CNC) Mastercam programmer	2253	computer-assisted drafting (CAD) technician
9437	computer numerically controlled (CNC) band saw operator	9472	computer-assisted electromechanical design draftsman
9417	computer numerically controlled (CNC) machine set-up operator - metal machining	7231	computer-assisted letterer-engraver
9417	computer numerically controlled (CNC) machining centre operator	4021	computer-assisted machinist
2233	computer numerically controlled coordinate measuring machine (CNC/CMM) programmer	0213	computer-based trainer
2281	computer operations supervisor	9437	computerized information systems manager
1423	computer photocompositor	0213	computerized panel saw tender
1423	computer phototypesetter	0013	computerized technical information manager
			computing services company president

7311	concentrating plant mechanic	9414	concrete pole maker - concrete products manufacturing
9231	concentrator control room operator		
9211	concentrator foreman/woman - primary metal and mineral products processing	9414	concrete pole moulder - concrete products manufacturing
5133	concert singer	7282	concrete polisher
0621	concession holder	7611	concrete pourer - construction
0621	concession manager	9211	concrete products foreman/woman
9461	conche machine tender	9415	concrete products inspector
6733	concierge, apartment building	9414	concrete products machine operator
6733	concierge, office building	9414	concrete products moulder
1121	conciliation officer - employee relations	6411	concrete products salesperson - wholesale
1121	conciliator - labour	9415	concrete products tester
1121	conciliator	7611	concrete pump operator
7205	concrete and cement finishers foreman/woman	9414	concrete saw tender
		9414	concrete sawyer
7205	concrete and cement finishing contractor	7282	concrete smoother-finisher
9411	concrete batch plant operator - cement manufacturing	9414	concrete spin caster
		7521	concrete spreader operator - heavy equipment
9414	concrete block machine operator		
9414	concrete block maker	7611	concrete spreader operator
7611	concrete block pourer	2231	concrete technician
7281	concrete block setter	9414	concrete vault maker
7611	concrete breaker	7611	concrete vibrator operator, manual
9414	concrete burial vault maker	7611	concrete waterproofer - construction
2131	concrete engineer	7521	concrete-grooving machine operator
7282	concrete finisher apprentice	7302	concrete-laying gang foreman/woman
7611	concrete finisher helper	7302	concrete-paving labour gang foreman/woman
7282	concrete finisher		
7205	concrete finishers foreman/woman	7521	concrete-paving machine operator
7205	concrete finishing foreman/woman	9414	concrete-spinning machine operator
9414	concrete fittings maker	9411	condenser setter - primary metal processing
7611	concrete float pourer	9523	condenser winder - electronic equipment manufacturing
7282	concrete floor finisher		
7204	concrete form builders foreman/woman - carpentry	9441	conditioner tender - textile manufacturing
		7362	conductor - railway yard
7611	concrete former helper	7362	conductor - road freight
7271	concrete forms carpenter	7362	conductor - switching yard
7611	concrete gun operator	5132	conductor, band
9414	concrete hydraulic press operator	5132	conductor, choral
7282	concrete mason	5132	conductor, orchestra
9414	concrete mixer caster	7362	conductor, passenger train
7611	concrete mixer helper	7362	conductor, railway
9414	concrete mixer operator - concrete manufacturing	5132	conductor
		7244	conduit installer - electric power systems
7611	concrete mixer operator - construction	9461	cone and wafer machine tender
7611	concrete mixer operator helper - highway construction	9523	cone assembler - electronic equipment manufacturing
9414	concrete mixer-caster	9435	cone former - paper converting
9414	concrete moulder	9461	cone maker - food and beverage processing
9414	concrete operator - dry cast	9411	cone tender
9414	concrete operator - wet cast	9435	cone winder - paper converting
7282	concrete patcher-finisher	9441	cone winder - textile manufacturing
7611	concrete paver operator helper	9617	confection labourer - food and beverage processing
7302	concrete paving foreman/woman		
7611	concrete paving labourer	9461	confection syrup maker
9414	concrete pipe machine tender	9461	confectionery cooker
9414	concrete plant operator	0621	confectionery department manager - retail

9213	confectionery foreman/woman	7521	construction equipment operator
0621	confectionery manager	7312	construction equipment repairman/woman
6421	confectionery sales clerk	6221	construction equipment sales representative
1226	conference and meeting planner	2234	construction estimator
0714	conference centre manager	0711	construction expeditor
1226	conference co-ordinator	2264	construction field inspector
0125	conference development manager	7302	construction gang foreman/woman
1122	conference facilitator	0711	construction general contractor
5125	conference interpreter	0016	construction general manager
1226	conference organizer	0711	construction general superintendent
1226	conference planner	7611	construction helper
0125	conference services manager	2264	construction inspector and tester
1226	conference services officer	2264	construction inspector
9417	connecting rod borer	7611	construction labourer and helper
9524	connector assembler - electrical equipment manufacturing	7611	construction labourer
		7244	construction lineman/woman - electric power systems
5125	consecutive interpreter		
5212	conservation and restoration technician	7244	construction lineman/woman - electrical power line
5212	conservation area interpreter		
2224	conservation officer	9226	construction machinery assembly foreman/woman
2223	conservation technician - forestry		
5212	conservation technician - museums and art galleries	0711	construction manager
		6221	construction material sales representative
5112	conservator - art objects	7311	construction millwright
5112	conservator - museum	0711	construction operations manager
5112	conservator, art gallery	7294	construction painter
9523	console assembler - electronic equipment manufacturing	7205	construction painters foreman/woman
		7205	construction painters supervisor
9231	console operator - cement manufacturing	1452	construction permits clerk
9461	console operator - food and beverage processing	1523	construction progress report clerk
		0711	construction project co-ordinator
4311	constable	2131	construction project engineer
1222	constituency aid	0711	construction project manager
1222	constituency assistant	0711	construction project superintendent
7241	construction and maintenance electrician	2231	construction requirements writer
0711	construction assistant manager	2264	construction safety officer
7372	construction blaster	1523	construction schedule co-ordinator
7234	construction boilermaker	0711	construction senior project manager
6322	construction camp cook	7233	construction sheet metal worker
6733	construction campsite attendant	7302	construction site foreman/woman
7271	construction carpenter	0711	construction site manager
2234	construction cost consultant	0711	construction site superintendent
2234	construction cost estimator	0711	construction special project manager
7611	construction craft labourer	2231	construction specifications writer
7371	construction crane operator	0711	construction superintendent
7372	construction driller	8221	construction supervisor - underground mining and quarrying
7241	construction electrician apprentice		
7611	construction electrician helper	7245	construction technician - cable television
7241	construction electrician	2231	construction technician - civil engineering
7202	construction electricians and repairers foreman/woman	7245	construction technician - telecommunications
		2231	construction technician
7202	construction electricians foreman/woman	2231	construction technologist
7202	construction electricians supervisor	7611	construction trades helper
2131	construction engineer	8411	construction worker - mines
2231	construction engineering technician	7611	construction worker
7612	construction equipment mechanic helper	0012	consul
7312	construction equipment mechanic	8222	consultant - gas well drilling

8222	consultant - oil drilling	4166	consultant, school subjects
3132	consultant dietitian	4164	consultant, social policy
3012	consultant nurse	4164	consultant, social services planning
3132	consultant nutritionist	4164	consultant, social services
3142	consultant physical therapist	4166	consultant, special education
3142	consultant physiotherapist	4167	consultant, sports and leisure
4166	consultant, adult education	4167	consultant, sports and recreation
1123	consultant, advertising	4167	consultant, sports
3144	consultant, art therapy	2171	consultant, systems
1122	consultant, business	4166	consultant, teaching
4167	consultant, community recreation and leisure	4163	consultant, tourism - government
4167	consultant, community recreational and leisure programs	6521	consultant, travel
2234	consultant, construction costs	6561	consultant, wardrobe
6561	consultant, corporate image	6561	consultant, wedding services
2171	consultant, data processing	6561	consultant, weight loss
6564	consultant, dating agency	4167	consultant, youth recreational and leisure activities
6564	consultant, dating service	2161	consulting actuary
4165	consultant, drug and alcohol abuse	2123	consulting agrologist
4166	consultant, education policies	2151	consulting architect
4166	consultant, education	2131	consulting civil engineer
4167	consultant, employee fitness	2122	consulting forester
6561	consultant, etiquette	2113	consulting geologist
6561	consultant, fashion and wardrobe	2113	consulting geophysicist
6561	consultant, fashion colours	2141	consulting industrial engineer
6561	consultant, fashion	2132	consulting mechanical engineer
4167	consultant, geriatric recreational and leisure activities	2143	consulting mining engineer
6562	consultant, hair replacement	2161	consulting pension actuary
4165	consultant, health care planning	4162	consumer advisor - economics
4165	consultant, health care	4164	consumer advisor
4166	consultant, heritage languages education	2262	consumer affairs inspector
4165	consultant, home-care programs	0122	consumer credit management trainee
1121	consultant, human resources	6235	consumer credit officer
6561	consultant, image	0122	consumer credit services manager trainee
2171	consultant, information technology (IT)	0423	consumer information director
4165	consultant, labour force planning - health sector	6235	consumer loans officer
1121	consultant, labour relations	2252	consumer products designer
4167	consultant, leisure activities	6411	consumer sales representative
4167	consultant, leisure	6552	contact centre agent - customer service
6561	consultant, make-up	0125	contact centre manager
2171	consultant, management information systems (MIS)	6314	contact centre supervisor
1122	consultant, management	3231	contact lens dispenser
4163	consultant, marketing - market research	3231	contact lens fitter
4165	consultant, mental health programs	3231	contact lens practitioner
4161	consultant, natural and applied sciences	3231	contact lens technician
3012	consultant, nursing	6411	contact person, recordings
1122	consultant, organizational analysis	9472	contact printer
6561	consultant, personal image	3012	contagious disease transmission prevention nurse
6561	consultant, personal improvement	2252	container designer
6561	consultant, personal wardrobe	0911	container manufacturing manager
6561	consultant, professional image	9415	container tester, glass
6561	consultant, public speaking	9617	container washer, machine - food and beverage processing
4167	consultant, recreation	5112	contemporary art curator
4167	consultant, recreational activities	5112	contemporary art museum curator
		5241	content director

5241	content strategist	7205	contractor, drywalling
2171	contingency planner, information systems	7205	contractor, eavestrough installation
3413	continuing care assistant	7202	contractor, electrical installation
5227	continuity person - motion pictures and broadcasting	7202	contractor, electrical systems
7521	continuous bucket excavator operator	7202	contractor, electrical wiring installation
9231	continuous casting operator - primary metal processing	7302	contractor, excavating
9432	continuous digester operator - pulp and paper	8252	contractor, farm produce packing service
9411	continuous dressing operator	7205	contractor, fencing
9441	continuous dyeing machine operator - textile manufacturing	8252	contractor, fertilization service - agriculture
9441	continuous felt dryer operator - textile manufacturing	7205	contractor, floor covering
9536	continuous galvanizing line operator	8211	contractor, forest conservation
9473	continuous glue machine operator - printing	7205	contractor, glass installation and repair
8231	continuous mining machine operator	7205	contractor, glazing
9423	continuous mixer operator - rubber products manufacturing	7301	contractor, heating and air conditioning systems
9441	continuous press tender - textile manufacturing	7301	contractor, heating and air conditioning
9432	continuous process cook - pulp and paper	7301	contractor, heating system installation and repair
9212	continuous process foreman/woman - chemical processing	7301	contractor, heating systems
5232	contortionist	0712	contractor, home building
9414	contour grinder, machine - concrete, clay and stone products	0712	contractor, home renovation
9437	contour sander operator - woodworking	7205	contractor, hot water heater installation
9414	contour-grinding machine operator - concrete, clay and stone products	7205	contractor, insulating
1225	contract claims examiner	7205	contractor, insulation
1434	contract clerk - financial sector	7205	contractor, interlocking paving stones
4211	contract clerk - law	7201	contractor, ironwork
1452	contract clerk	8255	contractor, lawn care service
1211	contract clerks supervisor	8211	contractor, logging
4112	contract counsel	7205	contractor, marble and terrazzo setting
0113	contract director	7201	contractor, metalwork forming, shaping and installing
1225	contract management officer	7205	contractor, painting and wallpapering
0113	contract manager	7205	contractor, painting
1225	contract negotiator	7205	contractor, paperhanging
8252	contractor - agricultural service	7203	contractor, pipefitting
7301	contractor, air conditioning and refrigeration	7205	contractor, plastering and drywall application
7301	contractor, air conditioning	7205	contractor, plastering and drywalling
8252	contractor, artificial insemination service	7205	contractor, plastering
7205	contractor, asphalt roofing	7203	contractor, plumbing
7205	contractor, bricklaying and masonry	7301	contractor, refrigeration
7205	contractor, bricklaying	0712	contractor, residential homes
7204	contractor, cabinetmaking	7205	contractor, roofing (except sheet metal roofs)
7204	contractor, carpentry	7205	contractor, roofing
7205	contractor, cement finishing	7205	contractor, septic systems
7205	contractor, concrete and cement finishing	7201	contractor, sheet metal roofing
7201	contractor, construction ironwork	7201	contractor, sheet metal
7201	contractor, construction ironworking	7205	contractor, shingle roofing
8252	contractor, crop harvesting service	7205	contractor, siding
7205	contractor, decorating	8211	contractor, silviculture
7205	contractor, drywall application	7201	contractor, steel structure forming, shaping and erecting
		7205	contractor, stonemasonry
		7201	contractor, structural steel erecting
		7205	contractor, swimming pool installation
		7202	contractor, telecommunications
		7205	contractor, terrazzo finishing
		7205	contractor, tile, terrazzo and marble setting

7205	contractor, tilesetting	0111	controller - financial services
7302	contractor, water well drilling	0013	controller - financial, communications and other business services
8252	contractor, weed control service - agriculture		
7201	contractor, welding	9232	controller - oil
7302	contractor, well digging	2272	controller, air traffic
7302	contractor, well drilling	2255	controller, avalanche
7205	contractor, wood shingle roofing	7531	controller, cars - railway
7204	contractor-carpenter	2281	controller, network
7202	contractor-electrician	9232	controller, oil movement
7205	contractor-floor coverer	2275	controller, rail traffic
7205	contractor-glazier	7531	controller, railway cars - railway yard
7205	contractor-plasterer	7305	controller, subway
7205	contractor-polisher, terrazzo	7531	controller, tank cars - railway yard
7205	contractor-roofer (except metal roofs)	9227	controlling and recording instruments
2234	contractors estimator		assembly foreman/woman
1225	contracts officer	6611	convenience store cashier
1241	contracts secretary	6421	convenience store clerk
5122	contributing editor	0621	convenience store manager
9521	control assembler, aircraft	1226	convention and special events planner
2112	control chemist	0714	convention centre manager
1434	control clerk - financial sector	1226	convention co-ordinator
1431	control clerk - hotel and restaurant	1226	convention planner
1422	control clerk, data processing	1226	convention planning services officer
1523	control clerk, production	9241	conversion substation operator - electrical power systems
1523	control officer, steel mill		
5224	control operator, broadcasting	9211	converter foreman/woman - primary metal and mineral products processing
9235	control operator, paper machine		
9235	control operator, pulping - pulp and paper	9522	convertible top assembler - motor vehicle manufacturing
9231	control operator, rolling mill - primary metal processing	4211	conveyance clerk
		7452	conveyor belt attendant
5224	control operator, transmission studio	9214	conveyor belt foreman/woman - rubber manufacturing
5224	control operator, video transmission studio		
9525	control panel assembler - industrial electrical equipment	7452	conveyor belt operator (except underground mines)
9525	control panel assembler		
9232	control panel operator - chemical processing	7452	conveyor belt patroller-controller
9525	control panel technician - industrial electrical equipment	9423	conveyor belt splicer - rubber products manufacturing
2241	control panels tester	9614	conveyor cleaner - pulp and paper
5122	control room editor - broadcasting	7452	conveyor console operator
9231	control room furnace operator - smelter	9611	conveyor labourer - primary metal and mineral products processing
9241	control room operator - electrical power systems	9523	conveyor line worker - electronic equipment manufacturing
9461	control room operator - food and beverage processing	7452	conveyor operator - material handling (except underground mines)
8412	control room operator - offshore drilling		
9231	control room operator - primary metal processing	9611	conveyor operator - primary metal and mineral products processing
9235	control room operator - pulp and paper	8411	conveyor operator - underground mining
9241	control room operator, trainee - electrical power systems	7452	conveyor operator, grain
		9461	conveyor oven operator - food and beverage processing
5224	control room technician - broadcasting		
2133	control systems engineer	7311	conveyor repairer
2241	control systems tester	7452	conveyor tender - material handling (except underground mines)
2243	control technician, nuclear generating station and heavy water plant	9461	conveyor tender - tobacco processing
7531	control tower operator - railway	9619	conveyor washer tender

9537	conveyor wire belt builder	9437	cooperage set-up man/woman - woodworking
8411	conveyorman/woman - underground mining	4031	cooperative education teacher
4422	convict guard	4031	cooperative learning teacher
6541	convoy guard	9437	cooper's head-saw operator - woodworking
9432	cook - pulp and paper	1227	co-ordinator of court services
9461	cook tank operator - food and beverage processing	3011	co-ordinator of nursing services
6322	cook, apprentice	4152	co-ordinator of social work
6322	cook, camp	0131	co-ordinator of technical services - telecommunications
6322	cook, domestic	4167	co-ordinator, aquatic programs
6322	cook, ethnic foods	0511	co-ordinator, art gallery
6322	cook, first	4167	co-ordinator, arts and crafts programs
6322	cook, fishing and merchant vessel	9221	co-ordinator, assembly - motor vehicle manufacturing
6322	cook, institution	1221	co-ordinator, bilingual services
6322	cook, kosher foods	5254	co-ordinator, camp - sports and leisure
6322	cook, second	4212	co-ordinator, community centre
6322	cook, small establishment	1121	co-ordinator, compensation and benefits
6322	cook, third	2171	co-ordinator, computer systems development
6322	cook	1226	co-ordinator, conferences
9421	cooker - chemical processing	1226	co-ordinator, conventions
9461	cooker, canned goods	4214	co-ordinator, co-op daycare
9461	cooker, meats - food and beverage processing	4214	co-ordinator, daycare
9461	cooker, offal - food and beverage processing	1121	co-ordinator, employer-employee relations
9461	cooker, process cheese	1121	co-ordinator, employment equity
9465	cookie and cracker tester	0421	co-ordinator, field teaching
0651	cooking school manager	4167	co-ordinator, fitness
9235	cooking systems operator - pulp and paper	1215	co-ordinator, freight traffic
4032	cooking teacher - elementary school	4167	co-ordinator, geriatric activities
4031	cooking teacher - secondary school	4167	co-ordinator, geriatric recreational and leisure activities
9432	cook's first helper - pulp and paper	1121	co-ordinator, human resources
6711	cook's helper, camp	3012	co-ordinator, infection control - hospital
6711	cook's helper, logging camp	1123	co-ordinator, information service
6711	cook's helper	1121	co-ordinator, labour relations
9618	cooler operator - fish processing	4167	co-ordinator, leisure activities programs
9535	cooler shell assembler - plastic products manufacturing	4167	co-ordinator, leisure programs
9461	cooler tender - tobacco processing	4167	co-ordinator, leisure services
9411	cooling bed operator - steel mill	4167	co-ordinator, leisure
9461	cooling machine tender - food and beverage processing	1123	co-ordinator, media relations
9241	cooling system operator	4161	co-ordinator, municipal recycling program
9524	cooling unit assembler - electrical equipment manufacturing	0511	co-ordinator, museum
4214	co-op daycare co-ordinator	4212	co-ordinator, Native centre
4033	co-op officer	4167	co-ordinator, nautical activities
9227	cooper foreman/woman	4167	co-ordinator, nautical programs
9437	cooper header - woodworking	3011	co-ordinator, nursing unit
9437	cooper header operator - wood	3011	co-ordinator, nursing
9437	cooper operator - woodworking	1221	co-ordinator, office services
9533	cooper	5254	co-ordinator, pool - recreation
9437	cooperage heading machine operator - woodworking	4167	co-ordinator, pool activities
9437	cooperage heading sawyer	0911	co-ordinator, production planning
9619	cooperage labourer	4164	co-ordinator, public rights
9437	cooperage setter-up - woodworking	4167	co-ordinator, recreation services
		4167	co-ordinator, recreation
		4167	co-ordinator, recreational activities programs
		4167	co-ordinator, recreational activities

4167	co-ordinator, recreational programs	1213	copyright clearance supervisor
1226	co-ordinator, social events	1452	copyright clerk
4166	co-ordinator, special education	0512	copyright manager - publishing
1226	co-ordinator, special events	5121	copywriter
0513	co-ordinator, sport program administrative	8421	cordwood cutter
4167	co-ordinator, sports activities	9525	core assembler - industrial electrical equipment
4167	co-ordinator, sports programs - sports and recreation	9524	core builder, small transformers
4167	co-ordinator, sports programs	9435	core cutter - paper converting
4167	co-ordinator, sports	9433	core cutter and reamer
0112	co-ordinator, staff training	7372	core drill operator - construction, surface mining and quarrying
1122	co-ordinator, standards		core driller - underground mining
4167	co-ordinator, teen club programs	8231	core driller
4163	co-ordinator, tourism services - government	8231	core extruder - foundry
4161	co-ordinator, waste management program	9412	core inspector - foundry
4164	co-ordinator, women's shelter program	9415	core lapper, transformers
1211	co-ordinator, word processing service	9525	core layer - wood processing
4212	co-ordinator, youth development	9434	core machine operator - foundry
4167	co-ordinator, youth recreational and leisure activities program	9412	core maker - paper converting
9412	cope and drag pinlift operator - foundry	9435	core moulder
2271	co-pilot - air transport	9619	core oven operator - foundry
2271	co-pilot	9412	core oven tender - foundry
9411	copper billet piercer	9412	core pipe extractor
9411	copper billet piercing mill operator	9619	core room foreman/woman - pulp and paper
9412	copper caster - foundry	9215	core room labourer - foundry
9536	copper coater - metal plating	9611	core room set-up man/woman - foundry
9611	copper dust-collector worker	9412	core setter - foundry
9472	copper engraver - camera and platemaking	9412	core shop labourer - foundry
9411	copper flotation operator	9611	core splitter
9231	copper melter	8614	core stacker, transformers
9411	copper ore slime treater	9525	core tester - foundry
9472	copper photoengraver	9415	core winder - paper converting
9536	copper plater	9435	core-blower machine operator - foundry
9231	copper refinery operator	9412	core-drill operator - underground mining
9411	copper-briquetting machine operator	8231	core-drill operator
5244	copperplate engraver - artisan	8231	core-laying machine tender - wood processing
9472	copperplate photoengraver	9434	coremaker - foundry
7233	coppersmith	9412	coremaker, machine - foundry
9474	copy camera operator - photographic processing	9211	coremaking foreman/woman - foundry
5122	copy chief	9211	coremaking foreman/woman - mineral processing
1423	copy cutter		coremaking foreman/woman - paper converting
5122	copy editor	9215	coremaking machine operator - foundry
1452	copy holder	9412	core-sand-mixer - foundry
9437	copy lathe tender	9412	core-winding machine operator - paper converting
1423	copy marker - typesetting	9435	coring operator - oil field services
5122	copy preparer		cork insulation installer
1513	copy runner - courier service	8232	cork tipper, cigarettes
1423	copy stylist - typesetting	7293	corks and bottle caps inspector
5223	copy stylist, graphic arts	9461	corn chips cooker
1423	copy typist - typesetting	9537	corn cooker - food and beverage processing
9471	copy, staple and glue machine operator	9461	corn dough machine tender
5132	copyist - music	9461	
1452	copy-reader, proofreader	9461	
4211	copyright agent		
0512	copyright and royalties manager		

9461	corn flakes roller - food and beverage processing	2271	corporate pilot
9461	corn germ preparer - food and beverage processing	1122	corporate planner
9461	corn products presser - food and beverage processing	0413	corporate policy manager - education
9461	corn products pressman/woman - food and beverage processing	1242	corporate records legal assistant
9461	corn products starch presser	0111	corporate risk department manager
9461	corn products sugar crystallizer operator	0601	corporate sales manager
9461	corn sugar filter operator	1222	corporate secretary
9461	corn sugar refinery operator	4211	corporate securities law clerk
9461	corn syrup cooler and decolourizer	6541	corporate security officer
9461	corn syrup maker	0731	corporate traffic manager - transportation
9617	corn syrup processing labourer	0731	corporate transportation manager
9537	corn cob pipe assembler	0122	corporate trust services manager
6611	corner store cashier	2175	corporate Webmaster
6421	corner store clerk	4112	corporation lawyer
5133	cornetist	4211	corporation paralegal
3012	coronary intensive care nurse	8252	corral boss
3012	coronary unit nurse	4164	correction rehabilitation program co-ordinator
4165	coroner	4155	correctional centre caseworker
4313	corporal	4422	correctional facility guard
0122	corporate accounts manager - banking, credit and investment	0423	correctional institution director
5113	corporate archivist	4422	correctional institution guard
0122	corporate banking centre manager	4422	correctional institution head matron
0013	corporate banking vice-president	4422	correctional officer
0111	corporate budgeting and analysis manager	4422	correctional officers supervisor
6321	corporate chef	0423	correctional rehabilitation society director
0013	corporate controller - financial, communications and other business services	4422	correctional service officer
0016	corporate controller - goods production, utilities, transportation and construction	4164	correctional service policy consultant
0014	corporate controller - health, education, social and community services and membership organizations	0423	correctional services director
0015	corporate controller - trade, broadcasting and other services	4422	correctional services unit supervisor
0016	corporate controller, logging company	0423	correctional treatment and training director
0013	corporate controller, mortgage brokerage firm	4422	corrections officer
0015	corporate controller, restaurant chain	0124	correspondence and public inquiries manager
0014	corporate controller, social services institution	1452	correspondence clerk
4112	corporate counsel	1213	correspondence clerks supervisor
1122	corporate development planning adviser	1411	correspondence filing clerk
1242	corporate finance legal assistant	1452	correspondence review clerk
0111	corporate financing manager	4021	correspondence school instructor
6561	corporate image consultant	4021	correspondence school tutor
1242	corporate law administrative assistant	4021	correspondence teacher - college level
4211	corporate law and litigation clerk	4032	correspondence teacher - elementary school
4211	corporate law clerk	4031	correspondence teacher - secondary school
1242	corporate law legal assistant	5123	correspondent, newspaper
1242	corporate law secretary	5123	correspondent
4112	corporate notary (Quebec)	2142	corrosion engineer
4211	corporate paralegal	9536	corrosion resistant metal sprayer
		9414	corrugated asbestos board former
		9435	corrugated box cutter - paper converting
		9437	corrugated fastener driver - woodworking
		9435	corrugating machine operator - paper converting
		9435	corrugating machine operator-cutter - paper converting
		9416	corrugation machine operator, sheet metal
		9435	corrugator operator - paper converting
		9435	corrugator operator-cutter - paper converting
		9416	corrugator sheet metal operator

9416	corrugator, sheet metal	4167	counsellor, employee fitness
9614	corrugator-operator helper	4156	counsellor, employment - government services
3111	cosmetic surgeon		
6562	cosmetician	4156	counsellor, employment group
9421	cosmetics and perfume maker	4156	counsellor, employment
6623	cosmetics demonstrator - retail	4167	counsellor, geriatric recreational and leisure activities
6623	cosmetics salesperson - home sales		
6421	cosmetics salesperson - retail	4156	counsellor, job - government services
6562	cosmetologist	4156	counsellor, job
2111	cosmic ray physicist	4167	counsellor, leisure activities
2111	cosmologist	4167	counsellor, leisure
2115	cosmonaut	6235	counsellor, loans
1111	cost accountant	4153	counsellor, marriage
1431	cost accounting clerk	4156	counsellor, outplacement
1111	cost accounting supervisor	6561	counsellor, personal image
0512	cost and royalties manager - publishing	4153	counsellor, preretirement
1431	cost clerk	4167	counsellor, recreation
2141	cost engineer	4167	counsellor, recreational activities
2234	cost estimator - construction	4153	counsellor, rehabilitation
2233	cost estimator, manufacturing	4156	counsellor, relocation
1112	cost financial analyst	4033	counsellor, school
1212	cost supervisor	1114	counsellor, securities
1431	costing clerk	4167	counsellor, sports and leisure
5243	costume designer - exhibits and theatre	4167	counsellor, sports and recreation
5243	costume designer	4167	counsellor, sports
5226	costume maker	6521	counsellor, travel centre
5226	costume supervisor	6521	counsellor, travel
5226	costumer - motion pictures, broadcasting and performing arts	4167	counsellor, youth recreational and leisure activities
5226	costumer	4112	counsellor-at-law
5226	costumes co-ordinator	4112	counsellor-lawyer
5226	costumier	9537	counter and upper tacker - footwear manufacturing
9461	cottage cheese maker		
9441	cotton ball machine tender	6711	counter attendant - food service
9619	cotton roll machine tender	6711	counter attendant, cafeteria
9611	Cottrell precipitator helper - primary metal processing	6711	counter attendant, lunchroom
		6711	counter attendant, restaurant
9411	Cottrell tender	1511	counter clerk - mail and postal services
0011	council member, First Nations band	6421	counter clerk - retail
0012	council secretary - government services	6524	counter clerk (except airline)
0011	councillor	6421	counter clerk, bakery
0011	councilman/woman, city	6421	counter clerk, deli
4112	counsel	6421	counter clerk, meats
4033	counselling intern	1522	counter clerk, parts
4153	counselling program supervisor	6552	counter enquiries clerk
4151	counselling psychologist	6421	counter representative, car rental
0423	counselling services director	6524	counter sales agent - railway
0423	counselling services manager	6524	counter sales agent (except airline)
4033	counsellor for Aboriginal students	1522	counter sales clerk, automobile parts - retail
4153	counsellor for persons who are intellectually impaired	6524	counter service agent (except airline)
		6524	counter service agent, railway
5254	counsellor, camp	6523	counter services agent, airline
4153	counsellor, child and youth	4311	counterfeit and forgery section detective
4167	counsellor, community recreation and leisure programs	6711	counterperson - food services
4167	counsellor, community recreational and leisure programs	9417	countersinker - metal machining
		6533	counting attendant - casino
5254	counsellor, day camp - recreation	8255	country club grounds supervisor

6221	country grain elevator agent	9423	coverer, rubber V-belts
0714	country grain elevator facility manager	9619	coverer, slip seats - furniture assembly
6221	country grain elevator manager	9473	covering machine operator - printing
6221	country grain elevator operator	9441	covering-machine tender
0632	country inn operator	8431	cowboy/cowgirl
2154	country surveyor	0821	cow-calf operator
4112	county attorney	8431	cowhand
0012	county clerk	8431	cowpuncher
1416	county court clerk	5251	coxswain
4111	county court judge	3219	CPO (certified prosthetist and orthotist)
1227	county court registrar	1314	CRA (Canadian residential appraiser)
2131	county engineer	9463	crab butcher - fish and seafood processing
4111	county judge	8262	crab fisherman/woman
7531	coupler - railway yard	9463	crab steamer - fish and seafood processing
4153	couples therapist	9441	crabber - textile manufacturing
7514	courier driver	9441	crabbing machine tender - textile manufacturing
1513	courier service delivery person		
7514	courier service driver	9441	crabbing machine tender
0132	courier service manager	9461	cracker and cookie machine operator
1513	courier service parcels deliverer	9423	cracker operator - rubber products manufacturing
1214	courier service supervisor		
6411	courier services sales representative	9232	cracking plant operator
7514	courier van driver	5244	craft instructor (except education)
1513	courier	0651	craft school manager
1411	course co-ordinator	5244	craft weaver
1227	court administrator	4032	crafts teacher - elementary school
4211	court and tribunal agent	5244	craftsman/woman
4421	court bailiff	5244	craftsperson
1227	court clerk supervisor	8241	crane and claw operator - logging
1416	court clerk	7371	crane and hoisting equipment operator
1416	court clerk-crier	7611	crane chaser
1227	court deputy administrator	7302	crane crew foreman/woman
4421	court enforcement officer	7316	crane fitter
5125	court interpreter	7535	crane greaser
0433	court martial judge	7371	crane hoist operator
1251	court monitor	7611	crane hooker
1227	court of appeal registrar	2262	crane inspector
4111	Court of Queen's Bench justice	9411	crane ladle pourer
1227	court officer	7535	crane oiler
1251	court recorder	7371	crane operator apprentice
1227	court registrar	7371	crane operator, drilling rig
1251	court reporter	7371	crane operator
1213	court reporters supervisor	7312	crane repairer
4021	court reporting instructor	7312	crane service technician
1227	court services manager	9522	crankshaft assembler - motor vehicle manufacturing
1251	court stenographer		
1227	court supervisor	4312	crash firefighter
6552	courtesy desk clerk	9619	crate bander
1416	courtroom clerk	9533	crate builder, wood
1227	courtroom officer	9619	crate liner
5243	couturier - haute couture	9533	crate maker, wood
5241	cover designer	9619	crate marker
5241	cover page illustrator	9619	crate packer
1228	coverage and interpretation officer - taxation	9619	crater - manufacturing
9537	covered button maker	9619	crater, furniture
9619	coverer, furniture panels - furniture assembly	7371	crawler crane operator
9619	coverer, luggage	7612	crawler track repairer helper

7535	crawler track servicer	2223	crew leader - forest fire suppression
7521	crawler tractor operator	1526	crew scheduler - aeronautics
9619	crayon cutter	1526	crew scheduler - railway transport
9537	crayon making machine tender	1526	crew scheduler, transportation
9619	crayon moulder	1215	crew schedulers supervisor
9461	cream cheese maker	1215	crew schedules supervisor
9465	cream grader	8422	crew worker, forestry
2222	cream inspector	8441	crewman/woman, fishing vessel
9617	cream sampler - food and beverage processing	8422	crewman/woman, forest fire suppression
		8422	crewman/woman, forestry
9537	creaser - garment and fabric	8431	crewperson, custom harvest
9435	creaser - paper converting	7452	cribber - grain elevator
1114	credit adjudicator	4311	crime prevention constable
1114	credit agency inspector	4311	crime scene technician - police
6235	credit analyst	1416	criminal court clerk
0122	credit and accounts manager	4211	criminal law clerk
1435	credit and collection clerk	4211	criminal law paralegal
0122	credit and collection department manager	4112	criminal lawyer
0122	credit and collection manager	4169	criminologist
1212	credit and collection supervisor	4011	criminology professor - university
1434	credit application clerk - financial sector	9441	crimp setter
0122	credit approval and market development manager	9441	crimper
		9433	crimping head operator - papermaking
0122	credit area co-ordinator	9418	crimping machine feeder - wire products manufacturing
1434	credit assessment clerk		crimping machine operator, wires
1434	credit authorization clerk	9418	crimping machine tender - electrical equipment manufacturing
6411	credit bureau sales representative	9527	crimping machine tender - leather products manufacturing
1411	credit card authorization clerk		crimping machine tender - textile manufacturing
0122	credit card centre manager	9537	crisis counsellor
0122	credit card company operations manager		crisis intervention worker
9473	credit card die-cutter operator - printing	9441	critic
1434	credit clerk		critical care medicine physician
1212	credit clerks supervisor	4153	critical care medicine specialist
6235	credit investigation officer	4212	critical care nurse
6235	credit investigator	5123	critical care nursing supervisor
0122	credit manager	3111	critical care paramedic
6235	credit officer	3111	crochet machine operator
1434	credit register clerk	3012	crocheter, hand
1212	credit service group leader	3011	crocheting machine operator
1212	credit supervisor	3234	crop certification inspector
0013	credit union executive director	9442	crop duster
0013	credit union general manager	5244	crop dusting contractor
0122	credit union manager	9442	crop dusting service contractor
6551	credit union teller	2222	crop farm labourer - harvesting
1114	credit unions examiner	2271	crop farmer
9616	creeler - textile processing	8252	crop harvesting contractor
6742	cremator	8252	crop harvesting service contractor
6742	crematorium attendant	8611	crop production technician
0651	crematorium manager	0821	crop scientist
9435	creping machine operator - paper converting	8252	crop specialist
9619	creping machine operator helper	8252	cropping machine tender - textile manufacturing
5243	crest designer	2221	crop-research scientist
9536	crester	2121	
7301	crew chief - aircraft maintenance	2123	
8255	crew chief, greenhouse workers	9441	
8255	crew chief, nursery workers		
1526	crew dispatcher	2121	

8431	cropsprayer machine operator	2232	cryonics engineering technologist
1215	cross dock supervisor	2161	cryptanalyst
9423	cross head operator - rubber products manufacturing	2161	cryptoanalyst
9437	crosscut saw operator - woodworking	2161	cryptographer
7622	crossing attendant - railway	6564	crystal ball reader
7622	crossing gateman/woman - railway transport	9523	crystal calibrator - electronic equipment manufacturing
6541	crossing guard	9523	crystal final tester - electronic equipment manufacturing
5121	crossword puzzle maker	9523	crystal final tester
6533	croupier - casino	9523	crystal finisher - electronic equipment manufacturing
6533	croupier, baccarat	9523	crystal frequency measurer - electronic equipment manufacturing
6533	croupier, blackjack	9523	crystal grower
6533	croupier, pai gow domino	9523	crystal inspector - electronic equipment manufacturing
6533	croupier, pai gow poker	9523	crystal lapper
6533	croupier, pai gow	9523	crystal physicist
6533	croupier, poker	2111	crystal processing foreman/woman - electronics manufacturing
6533	croupier, roulette	9222	crystal unit assembler
6533	croupier, sic bo	9523	crystal-dicing saw operator
6533	croupier, super pan 9	9421	crystallizer tender - chemical processing
6533	croupier, twenty-one	9461	crystallizer tender - food and beverage processing
6533	croupier	6522	CSD (customer service director) - water transportation
3223	crown and bridge dental technician	4311	CSIS (Canadian Security Intelligence Service) investigator
1221	Crown assets distribution officer	2275	CTC (centralized traffic control) operator - railway traffic
4112	Crown attorney	9432	CTMP (chemi-thermomechanical pulp) machine assistant operator
4112	Crown corporation counsel	9432	CTMP (chemi-thermomechanical pulp) operator
4112	Crown counsel	9461	cube sugar machine tender - food and beverage processing
2122	Crown lands forester	8611	cucumber picker
4112	Crown prosecutor	9445	cuff-cutting machine tender
9437	croze machine operator - woodworking	5123	culinary journalist
9231	crucible furnace operator	8431	cultivator operator
9411	crucible pourer	5254	cultural activities leader
6721	cruise line passenger attendant	4169	cultural anthropologist
2223	cruiser	4169	cultural geographer
2223	cruising technician - forestry	5125	cultural interpreter
9411	crusher and blender operator	5125	cultural or international adaptation specialist
9231	crusher control room operator	9611	cupola charger - primary metal and mineral processing
9414	crusher operator - stone products	9611	cupola furnace helper
9461	crusher operator - tobacco processing	9412	cupola furnace operator - foundry
8411	crusher operator - underground mining	9231	cupola furnace operator - primary metal processing
9411	crusher setter	9414	cupola operator - concrete, clay and stone products
9421	crusher tender - chemical processing	7611	cupola spray reliner
8411	crusherwoman/woman - underground mining	9611	cupola tapper
9211	crushing and grinding operations foreman/woman - primary metal and mineral products processing		
9211	crushing and grinding supervisor - primary metal and mineral products		
9411	crushing equipment operator		
9461	crushing machine tender - food and beverage processing		
9611	crushing operations helper - mineral products processing		
9421	crutcher operator - chemical processing		
9613	crutcher operator helper		
2132	cryogenics engineer		
2111	cryogenics physicist		
9411	cryolite recovery equipment operator		

4154	curate	6733	custodian
5112	curator	6344	custom bracelet maker
0511	curator-director - museum	6344	custom brooch maker
5212	curatorial assistant	8252	custom combine contractor
7611	curb builder, manual	8252	custom combine operator
9423	cure operator - rubber products manufacturing	9437	custom cue maker and repairer
9423	cured tire repairer	9437	custom cue maker and repairman/woman
9463	curer, fish - fish processing	7272	custom desk maker, wood
9423	curer, rubber flaps	6421	custom drapery salesperson - retail
9423	curer, rubber V-belts	9525	custom electrical panel assembler
9423	curer, rubber	9461	custom feed miller - food and beverage processing
8431	curer, tobacco	9617	custom feed miller helper
9461	curing bin tender - food and beverage processing	9461	custom feed preparer - food and beverage processing
9214	curing foreman/woman - rubber manufacturing	7272	custom frame and mirror assembler
9423	curing machine operator - rubber products manufacturing	6342	custom fur joiner
9423	curing man/woman - rubber products manufacturing	5244	custom furniture caner
9423	curing press set-up operator - rubber products manufacturing	6342	custom furrier
9423	curing press tender - rubber products manufacturing	9537	custom golf club maker
9213	curing room foreman/woman - tobacco processing	8431	custom harvest crewperson
9214	curing supervisor - rubber products manufacturing	8252	custom harvester
5251	curler	6344	custom jewellery moulder
5253	curling judge	6344	custom locket maker
6611	currency exchange cashier	9412	custom moulder - foundry
1431	currency sorter	8252	custom operator, farm machinery
6551	current account representative - financial services	7272	custom piano case maker
6314	current accounts supervisor	9417	custom screw machine operator
0731	current schedule planning manager - airline	6342	custom sewer, women's garments
9525	current-transformer assembler	7233	custom sheet metal fabricator
9525	current-transformer coil winder	6343	custom shoemaker
4166	curriculum consultant	6342	custom tailor
4166	curriculum developer	0621	custom tailoring shop manager
4166	curriculum planner	6345	custom upholsterer
6741	curtain and drapery presser - laundry and dry cleaning	7272	custom wood furniture maker
9537	curtain rod assembler	7272	custom wooden desk maker
7292	curtain wall glazier	6314	customer accounts supervisor
9447	cushion and cover inspector	6552	customer information service clerk - insurance
9447	cushion and furniture-coverings manufacturing inspector	6552	customer information service representative - retail
9619	cushion cementer - shoe manufacturing	6552	customer relations clerk
9619	cushion filler - furniture assembly	6523	customer sales agent - airline
9619	cushion stuffer - furniture assembly	6524	customer sales and service agent (except airline)
6315	custodian supervisor - cleaning services	6552	customer satisfaction representative
6722	custodian, athletic equipment	6552	customer service adviser
6733	custodian, building	6524	customer service agent - bus line
6722	custodian, jockey room	6551	customer service agent - financial institution
6722	custodian, sports equipment	6523	customer service agent, airline
		6552	customer service agent
		6552	customer service assistant
		6611	customer service cashier
		6552	customer service clerk
		6314	customer service clerks supervisor
		6522	customer service director - water transportation

6522	customer service director (CSD) - water transportation	9445	cutter - leather products manufacturing
0621	customer service manager - automobiles	8421	cutter - logging
0621	customer service manager - retail	9462	cutter - meat packing plant
0621	customer service managing supervisor	9418	cutter and former, bullets - metal products manufacturing
6552	customer service monitor - telephone system	9524	cutter and former, insulation - electrical equipment manufacturing
6551	customer service officer, bank	9433	cutter and reamer, cores - pulp and paper
6552	customer service operator - telephone system	9614	cutter helper - pulp and paper
6523	customer service representative - airline	9414	cutter operator - concrete, clay and stone products
6524	customer service representative - bus line	9537	cutter operator - other products manufacturing
6552	customer service representative - call centre	9473	cutter operator - printing
6551	customer service representative - financial services	9416	cutter, aluminum sheet - ductwork
6552	customer service representative - insurance	9414	cutter, asbestos shingles
6314	customer service representatives supervisor - financial services	9414	cutter, bricks - clay products
6421	customer service sales clerk	9435	cutter, carbon paper
7205	customer service supervisor - housing construction	8421	cutter, cordwood
6211	customer service supervisor - retail	9435	cutter, cores - paper converting
6314	customer service supervisor (except financial services)	9435	cutter, corrugated boxes - paper converting
6221	customer support representative - wholesale	6344	cutter, designs - jewellery
1452	customs and excise clerk	9437	cutter, disks - wood products manufacturing
1228	customs and excise examiner	9537	cutter, eyeglass frames
1228	customs appraiser	9619	cutter, films - film processing
1228	customs baggage inspector	9463	cutter, fish - fish processing
1315	customs broker	9535	cutter, floorcovering insets - plastic manufacturing
1212	customs brokerage clerks supervisor	9414	cutter, granite
1315	customs clearance agent	8612	cutter, grass
1452	customs clerk	9414	cutter, grave markers - stone products
1213	customs clerks supervisor	9473	cutter, guillotine - printing
1228	customs collector	9537	cutter, hat brims - fabric products manufacturing
1315	customs consultant	9423	cutter, heels - rubber footwear manufacturing
1228	customs examiner	9435	cutter, labels - paper converting
1315	customs house broker	8421	cutter, logs
1315	customs information broker	9473	cutter, machine - printing
1228	customs inspection supervisor	9414	cutter, marble
1228	customs inspector	9414	cutter, millstones - stone products
1228	customs inspectors supervisor	9437	cutter, mouldings - wood products manufacturing
1228	customs investigator	9474	cutter, negatives - film processing
0125	customs manager - business services	9418	cutter, nut disks
0412	customs manager - government services	9619	cutter, padding - furniture assembly
1228	customs officer	9535	cutter, plastics
9417	cutlery and tool etcher	8421	cutter, poles
9537	cutlery assembly inspector	8421	cutter, posts
9537	cutlery maker operator	8421	cutter, pulpwood
9537	cutlery maker	9435	cutter, revenue stamps
9227	cutlery manufacturing foreman/woman	9423	cutter, rubber boots
9431	cut-off saw operator - sawmill	9423	cutter, rubber
9437	cut-off saw operator - woodworking	9431	cutter, shingles - sawmill
9431	cut-off sawyer, timber - sawmill	9445	cutter, shoe parts - footwear manufacturing
9434	cut-off sawyer, veneer strips - wood processing	5223	cutter, silkscreen stencils
9619	cut-out and marking machine tender - shoe manufacturing	9414	cutter, slate
		9414	cutter, stencils - stone products

9437	cutter, stock - woodworking	3212	cytology technician
9414	cutter, stonework stencils	3211	cytology technologist
9619	cutter, tiles	3211	cytotechnologist - medical laboratory
9461	cutter, tobacco leaf		
8421	cutter, wood - logging		
9435	cutting and creasing press operator - paper converting		D
9441	cutting and printing machine set-up operator - textile manufacturing	3125	D.P.M. (doctor of podiatric medicine)
9217	cutting department foreman/woman - fabric, fur and leather products manufacturing	9437	dado operator - woodworking
9217	cutting department foreman/woman, fabric	9437	dado operator, overhead - woodworking
7311	cutting machine fixer - textile manufacturing	9437	dado saw operator - woodworking
9445	cutting machine operator - clothing manufacturing	2121	dairy bacteriologist
9473	cutting machine operator - printing	0821	dairy cattle breeder
8231	cutting machine operator - underground mining	2112	dairy chemist
9473	cutting machine operator, books	9465	dairy cream tester
9423	cutting machine operator, rubber	7311	dairy equipment repairer
9537	cutting machine tender - textile products manufacturing	8252	dairy farm foreman/woman
9537	cutting machine	8431	dairy farm labourer
9217	cutting room foreman/woman - fabric, fur and leather products manufacturing	0821	dairy farm manager
0631	cybercafé manager	8431	dairy farm worker
5131	cyber-choreographer	8252	dairy farm workers foreman/woman
5241	cybergraphic designer	0821	dairy farmer
5123	cyberjournalist	9465	dairy grader - food and beverage processing
5123	cyberreporter	8431	dairy hand
5111	cybrarian	9617	dairy helper - food and beverage processing
5252	cycling coach	8252	dairy herdsperson
5251	cyclist	9465	dairy moisture tester
9472	cylinder engraver, printing	2148	dairy plant engineer
9417	cylinder grinder - metal machining	9213	dairy plant foreman/woman
9526	cylinder head assembler	9461	dairy plant machine operator
9417	cylinder honer - metal machining	0911	dairy plant manager
9235	cylinder machine operator - pulp and paper	9465	dairy product tester - food and beverage processing
9536	cylinder painter - industrial	2222	dairy products inspector
9472	cylinder painter - printing	9213	dairy products processing foreman/woman
9536	cylinder plater-grinder - metal processing	9461	dairy products specialty maker
9472	cylinder preparer - printing	2221	dairy products technician
9472	cylinder preparer, carbon tissue - printing	7514	dairy route salesman/woman
7381	cylinder press operator - printing	9617	dairy sampler - food and beverage processing
7381	cylinder press set-up operator	2121	dairy scientist
7381	cylinder pressman/woman - printing	2221	dairy technologist
7381	cylinder printing press set-up operator	9465	dairy tester - food and beverage processing
9418	cylinder roll fabricator	2264	dam construction inspector
9437	cylinder saw tender - woodworking	7322	damage repair estimator, automobile
9472	cylinder-impresser operator	7611	dampproofer helper
9437	cylinder-sander feeder - woodworking	2131	dams engineer
2121	cytochemist	0512	dance company director
2121	cytogeneticist	5134	dance instructor
3211	cytogenetics technologist - medical laboratory	5134	dance notator
2121	cytologist	0651	dance school manager
2121	cytologist-microbiologist	5134	dance teacher
		3144	dance therapist
		3144	dance therapists' supervisor
		3144	dance therapy researcher
		5222	dance videographer
		3144	dance-movement therapist

3144	dance-movement therapy researcher	4214	daycare co-ordinator
5134	dancer	4214	daycare helper
5134	dancing instructor	0411	day-care planning services director - government services
2263	dangerous goods inspector - railway transport	4214	daycare supervisor
2263	dangerous waste inspector	4214	daycare teacher
8262	Danish seine fisherman/woman	4214	daycare worker assistant
9474	darkroom technician - photographic processing	4214	daycare worker
9474	darkroom technician	2172	DBA (database administrator)
2172	data administrator	2172	DBA (database analyst)
2172	data analyst - informatics and systems	2172	DBA (database architect)
0213	data centre manager	7247	DBS (direct broadcast satellite) technician - cable television
2281	data centre operator	3122	DC (doctor of chiropractic)
2147	data communications specialist	4217	deacon
1422	data control clerk	4217	deaconess
1211	data control supervisor	5125	deaf interpreter
2172	data custodian	0621	dealer - retail
2172	data dictionary administrator	0621	dealer, antiques
1422	data entry clerk	6533	dealer, casino
1211	data entry clerks supervisor	1113	dealer, foreign exchange
1422	data entry operator	6313	dealers supervisor, casino
1211	data entry supervisor	0421	dean - university or college
1422	data entry verifier-operator	0421	dean of adult education
1422	data input clerk	0421	dean of graduate studies
2172	data miner	0421	dean of science
2172	data mining analyst	0421	dean of student activities
0213	data processing and systems analysis manager	0421	dean of technical and technological programs
2171	data processing consultant	0421	dean, adult education
1422	data processing control clerk	0421	dean, community college
0213	data processing director	0421	dean, faculty of arts
0213	data processing manager	0421	dean, faculty of science
0213	data processing planning manager	0421	dean, graduate studies
2172	data processing specialist	0421	dean, school of nursing
4031	data processing teacher - secondary school	0421	dean, school of technology
1422	data processing verifier	0421	dean, student activities
1422	data processor	1434	death benefits clerk
2172	data warehouse analyst	9434	debarker operator - wood processing
2172	database administrator (DBA)	6235	debt counsellor
2172	database analyst (DBA)	9619	deburrer - clock and watch manufacturing
2172	database analyst	9612	deburrer - metal products manufacturing
2172	database architect (DBA)	9536	decal applier
2172	database architect	9441	decating machine tender - textile manufacturing
2172	database designer	7441	deck builder
5111	database librarian	7441	deck installer
2172	database management supervisor - computer systems	2273	deck officer - cadet
2172	database manager	2273	deck officer - water transport
4021	data-processing teacher - college level	8261	deck officer, fishing vessel
6564	dating agency consultant	2273	deck officer, self-propelled barge
6564	dating service consultant	2273	deck officer, self-propelled oil rig
5254	day camp counsellor - recreation	7611	deck worker
5254	day camp leader	9432	decker tender - pulp and paper
6525	day clerk - hotel	9432	deckerman/woman - pulp and paper
4214	daycare aide	7532	deckhand - ships
4214	daycare attendant	7532	deckhand, dredge

8441	deckhand, fishing vessel	7514	delivery driver
8441	deckhand, gillnetter	7305	delivery drivers foreman/woman
8441	deckhand, offshore trawler	7305	delivery drivers supervisor
8441	deckhand, seiner	1513	delivery person - courier service
8441	deckhand, shellfish harvester	6211	delivery person supervisor
7532	deckhand	3011	delivery room nursing supervisor
8411	deckman/woman - underground mining	7514	delivery salesperson
9414	decorated products kilnman/woman - clay products	0132	delivery service manager - postal and courier services
5242	decorating consultant	6411	delivery services sales agent
7205	decorating contractor	6411	delivery services sales representative
7205	decorating foreman/woman - construction	7622	delivery truck driver helper
9414	decorating kiln operator - clay products	7514	delivery truck driver
9414	decorating machine tender - clay products	7622	delivery truck helper
9537	decoration maker, hats	7514	deliveryman/woman, bakery
9536	decorations painter - visual arts	2161	demographer
5244	decorative engraver	7302	demolition contractor
9534	decorator - furniture finishing and refinishing	7371	demolition crane operator
9537	decorator, candles	5251	demolition driver
9537	decorator, enamel - jewellery manufacturing	7302	demolition foreman/woman
9534	decorator, furniture finishing	7611	demolition worker
9537	decorator, hats - fabric products manufacturing	6623	demonstrator - retail
		2123	demonstrator, Department of Agriculture
9414	decorator, machine - clay products	4012	demonstrator, laboratory - post-secondary
9537	decorator, shoes - footwear manufacturing		teaching assistance
7205	decorators foreman/woman	4021	denominational institute teacher
1227	deed recorder	7322	dent remover and repairer - automobile
1227	deed registrar	3411	dental aide
5232	deejay (DJ) - turntablist	9411	dental amalgam processor
7384	deep-sea diver	4021	dental assistant program teacher - community college
9437	defect trimmer - woodworking		dental assistant
4112	defence counsel	3411	dental ceramic caster
9462	dehairing machine dropper - meat packing plant	3223	dental ceramic moulder
		3223	dental ceramist
9441	dehairing machine operator - hide and pelt processing	1434	dental claims clerk
8252	dehorning service contractor	3411	dental clinical assistant
9421	dehydrating press tender - chemical processing	6221	dental equipment and supplies salesperson
		7441	dental equipment installer-servicer
9461	dehydrator, grain - food and beverage processing	4165	dental health consultant
		0311	dental health services administrator
6421	deli cook - supermarket	3222	dental hygiene technician
6421	deli counter clerk - food store	4021	dental hygienist program teacher
0621	deli manager - food store	3222	dental hygienist technician
6421	delicatessen clerk - retail	3222	dental hygienist
0621	delicatessen department manager - retail	9537	dental instrument assembler
6421	delicatessen meat salesperson - retail	3223	dental laboratory assistant
6211	delicatessen supervisor - food store	3223	dental laboratory bench worker
8241	delimber and buncher operator	0311	dental laboratory managing supervisor
8241	delimber operator	3223	dental laboratory technician assistant
7622	deliverer helper	3223	dental laboratory technician
1512	deliverer, mail	3221	dental mechanic apprentice
1513	deliverer, parcels - courier service	3221	dental mechanic
1523	delivery checker	3222	dental nurse
1521	delivery clerk	1414	dental office receptionist
7514	delivery driver - parcels	3223	dental prosthesis maker
7514	delivery driver, fast food	1414	dental receptionist

3113	dental surgeon	0621	department store manager
3223	dental technician apprentice	0015	department store president
3223	dental technician supervisor	6211	department store supervisor
3223	dental technician	6211	department supervisor - retail
3223	dental technologist	1111	departmental accountant
3222	dental therapist	4112	departmental solicitor
3113	dentist, public health	6562	depilator, wax
3114	dentist, veterinary	6562	depilator
3113	dentist	9611	depiler helper - primary metal processing
4011	dentistry professor - university	1431	deposit clerk
3223	denture bench moulder	1526	depot clerk - transit system
3223	denture finisher	1227	deputy administrator of the court
3223	denture framework finisher	0013	deputy chief executive officer - financial, communications and other business services
3221	denture mechanic		deputy chief executive officer - goods production, utilities, transportation and construction
3223	denture packer	0016	
3223	denture setter		
3223	denture set-up man/woman		
3221	denture technician	0014	deputy chief executive officer - health, education, social and community services and membership organizations
3221	denture therapist		
3223	denture trimmer-polisher	0015	deputy chief executive officer (CEO) - trade, broadcasting and other services
3223	denture wax pattern former - metal framework	0013	deputy chief executive officer, life insurance company
3223	denture wax pattern former		
3221	denturist	0431	deputy chief of police
3221	denturologist	4112	deputy city solicitor
4021	department chairman/woman - college	0414	Deputy Clerk of the House of Commons
4021	department chairman/woman - community college	0414	Deputy Clerk of the Legislative Assembly
4011	department chairman/woman - university	0012	deputy commissioner - government services
4021	department chairperson - college	1227	deputy court registrar
4021	department chairperson - community college	0432	deputy fire chief
4011	department chairperson - university	4111	deputy justice
0423	department chief, social services	1227	deputy land registrar
0423	department director, welfare organization	0511	deputy librarian
4021	department head - CEGEP	0012	deputy minister - government services
4021	department head - college	0012	deputy minister
4021	department head - community college	0012	deputy municipal clerk
4021	department head - institute of technology	0431	deputy police chief
4021	department head - private training institute	0012	deputy provincial secretary - government services
4021	department head - technical institute		
4011	department head - university	1227	deputy registrar - courts
4021	department head - vocational institute	4168	deputy returning officer
4011	department head, food sciences - university	4421	deputy sheriff
4011	department head, geography - university	0422	deputy superintendent - schools
4011	department head, linguistics - university	6562	dermal therapist
4011	department head, physics - university	3111	dermatologist
6211	department head, retail store	0311	dermatology, chief of
4031	department head, secondary school	7311	derrick mechanic
0423	department head, social services	8412	derrick worker - oil and gas drilling
4011	department head, theology - university	8412	derrickhand - offshore drilling
4011	department head, visual arts - university	8412	derrickhand - oil and gas drilling
0621	department manager - department store	8412	derrickman/woman - oil and gas drilling
0621	department manager - retail	8412	derrickman/woman
0111	department manager, collections	2121	descriptive toxicologist
0114	department manager, security	2133	design and development engineer, electrical and electronic systems
6421	department store clerk		
6552	department store information clerk	2253	design and drafting technologist

9473	design and lettering stamper - printing	9521	detail inspector - aircraft assembly
5223	design assistant - advertising production	2174	detail programmer
2253	design checker, drafting	9437	detail shaper - woodworking
6344	design cutter - jewellery	2253	detailer - structural steel drafter
2253	design draftsman	6732	detailer, auto
2132	design engineer - mechanical	6732	detailer, car
2146	design engineer, aircraft	5223	detailer, sign layouts
2133	design engineer, electrical power systems	2253	detailer
2133	design engineer, electrical	4311	detective - police
2132	design engineer, oil well equipment	0125	detective agency manager
2133	design engineer, radio and television broadcasting systems	0431	detective inspector - police
2173	design engineer, software	0431	detective sergeant - police
6411	design sales representative - wholesale	4311	detective, counterfeit and forgery section
2253	design technician, drafting	4311	detective, narcotics squad
2253	design technologist - drafting	6541	detective, private
2231	design technologist, civil engineering	4311	detective, vice squad
2241	design technologist, electrical and electronics	4422	detention attendant
2241	design technologist, lines distribution	0423	detention centre director
1315	designated shipbroker	4422	detention guard
5242	designer - interior design	4212	detention home worker
5243	designer - theatre	9421	detergent and powdered soap screener-perfumer
5121	designer and script writer	2112	detergent chemist
5243	designer, clothing	9537	detonator and fuse assembler
2172	designer, database	9537	detonator assembler
5243	designer, displays	9474	developer, films
5243	designer, exhibits	9474	developer, motion picture film
5241	designer, form layouts	9474	developer, photographs
2252	designer, furniture	9474	developer, photos
2232	designer, heating	9474	developer, prints
2252	designer, industrial products	2174	developer, software
2252	designer, industrial	9474	developer, X-ray films
2232	designer, machines	9474	developer, X-ray plates
2232	designer, mechanical engineering equipment	9474	developer-printer machine tender
2232	designer, mould	9474	developer-printer, photos
5243	designer, museum		developing machine operator - photographic processing
5223	designer, poster layouts	4423	development control officer
2173	designer, software	4162	development economist
5243	designer, textile	2113	development geologist
2232	designer, tool and die	9521	development mechanic - aircraft assembly
9532	desk assembler	8231	development miner
9224	desk assembly foreman/woman - furniture and fixtures manufacturing	4212	development service worker
6525	desk clerk, hotel	2241	development technologist - telecommunications
4311	desk officer - police	2121	developmental biologist
9437	desk sander - woodworking	2121	developmental geneticist
1423	desktop compositor	4151	developmental psychologist
1423	desktop publishing (DTP) operator	4212	developmental service worker
1423	desktop publishing (DTP) specialist	9421	devulcanizer tender
1211	desktop publishing supervisor	9411	dewaterer tender - primary metal processing
1211	desktop publishing system supervisor	9411	dewatering equipment operator
6711	dessert maker	9461	dextrine maker - food and beverage processing
6711	dessert preparer		diagnostic audiologist
9232	desulphurizer operator	3141	diagnostic cardiac sonographer
9521	detail assembler - aircraft assembly	3216	diagnostic echography technician
2253	detail draftsman	3216	

3215	diagnostic imaging technologist	9535	dicing machine tender - plastic manufacturing
0311	diagnostic imaging, chief of		
6221	diagnostic instrument sales representative	7445	dictaphone repairer
3215	diagnostic medical radiation technologist	7445	dictaphone servicer
3216	diagnostic medical sonographer	1251	dictatypist
3216	diagnostic medical sonography instructor	5135	diction coach
3215	diagnostic radiography technologist	5122	dictionary editor
3215	diagnostic radiological technician	9523	die attacher - electronic equipment manufacturing
3215	diagnostic radiological technologist		
3111	diagnostic radiologist	9612	die blanking press operator helper - metal products manufacturing
3111	diagnostic radiology specialist		
3215	diagnostic radiology technologist	9211	die casting foreman/woman - foundry
0311	diagnostic radiology, chief of	9211	die casting supervisor
7321	diagnostic technician - motor vehicles	9445	die cutter - fabric, fur and leather products manufacturing
3216	diagnostic ultrasonography technician		
3216	diagnostic ultrasound supervisor	7232	die cutter - metalworking
3216	diagnostic ultrasound technician	7232	die cutter, jewellery
3216	diagnostic ultrasound technologist - medical	7232	die cutter
9537	dial marker	2232	die designer
0131	dial plant manager - telecommunications	7232	die finisher
0131	dial plant superintendent - telecommunications	7232	die fitter
		7232	die maker - jewellery
5121	dialogue writer	9414	die maker, plaster
3012	dialysis nurse	7232	die maker, wire-drawing
3219	dialysis technician	7232	die maker
3219	dialysis technologist	7232	die mouldmaker
9414	diamond abrasive wheel maker	7232	die reamer
6344	diamond bruter	7232	die repairer
6344	diamond cutter	7232	die repairman/woman
7372	diamond drill operator - surface mining and quarrying	7384	die setter
		7232	die sinker - metalworking
8231	diamond driller - underground mining	7232	die sinker, bench
7611	diamond driller helper - surface mining	7232	die sinker, jewellery
8411	diamond driller helper - underground mining	7232	die sinker
8221	diamond drilling foreman/woman	9471	die stamper - printing
2212	diamond drilling technician	7232	diecast diemaker
6344	diamond expert	9412	die-casting machine operator - foundry
6344	diamond grader - jewellery manufacturing	9412	die-casting machine operator
9413	diamond grinder operator - glass finishing	9412	die-casting machine setter - foundry
6344	diamond marker	9412	die-casting machine set-up man/woman - foundry
6344	diamond polisher		
9411	diamond powder blender	9412	die-casting machine tender - foundry
9414	diamond powder mixer - stone products	9435	die-cutting machine operator - paper products
7232	diamond saw maker		
6344	diamond sawyer	9473	die-cutting or die-numbering press operator - printing
6344	diamond selector - jewellery manufacturing		
6344	diamond setter	9473	die-cutting platen press operator - printing
7232	diamond tool maker	7237	dielectric welder
9413	diamond wheel edger - glass finishing	7242	diesel electrician - railway
9414	diamond wheel moulder and finisher	9526	diesel engine assembler
8231	diamond-drill operator	9226	diesel engine assembly foreman/woman
8231	diamond-drill runner - underground mining	9526	diesel engine erector
8231	diamond-point drill operator	7231	diesel engine machinist
9435	diaper machine tender - paper converting	7312	diesel engine mechanic - heavy equipment
9537	dice maker	7312	diesel engine mechanic apprentice
9535	dicer tender - plastic manufacturing	7312	diesel engine mechanic
		9241	diesel engine operator, stationary

7312	diesel engine repairman/woman - railway	5223	digital graphic design technician
9526	diesel engine tester	9472	digital printing technician
2132	diesel engineer - design and research	5245	digitizer operator - textile, leather and fur products
9241	diesel generating station operator - electrical power systems	9437	dimension planer operator - woodworking
8231	diesel loaderman/woman - underground mining	9531	dinghy assembler
7361	diesel locomotive engineer - railway	7322	dingman/woman - autobody
7312	diesel locomotive repairman/woman	6513	dining car steward
7312	diesel mechanic - heavy equipment	6513	dining car waiter/waitress
7312	diesel mechanic apprentice	0631	dining establishment managing supervisor
7612	diesel mechanic helper	6711	dining room assistant
7312	diesel mechanic	6711	dining room attendant
9241	diesel plant operator - electrical power systems	6513	dining room captain
9241	diesel station operator	6611	dining room cashier
9417	diesinking machine set-up operator	6511	dining room host/hostess
6322	diet kitchen cook	0631	dining room manager
6711	dietary aide	6513	dining room steward
6322	dietary cook	5212	dinosaur museum interpreter
3219	dietary technician	5212	diorama maker - museums and art galleries
3219	dietary technologist	5212	diorama technician
3132	dietetic consultant	9527	dip and bake operator - electrical equipment manufacturing
1411	dietetics office clerk - hospital	9536	dip tank attendant
3132	dietician	9434	dip tank tender - wood processing
3132	dietitian, administrative	4168	diplomat
3132	dietitian, community	4169	diplomatic historian
3132	dietitian, consultant	9536	dipper and coater - metal plating
3132	dietitian, professional	9619	dipper and dryer, paper cones
3132	dietitian, public health	9536	dipper operator, paint and varnish
3132	dietitian, registered	9536	dipper, coating tank
3132	dietitian, research	9536	dipper, coil springs
3132	dietitian, therapeutic	9536	dipper, enamel
3132	dietitian/nutritionist, registered	9619	dipper, shoe parts
3132	dietitian	9536	dipper-baker
3132	dietitian-nutritionist	9619	dipping labourer
9526	differential assembler	9423	dipping machine tender - rubber products manufacturing
7231	differential gear testing machinist	9536	dipping tank operator
9461	diffuser operator - food and beverage processing	9536	dipping tank tender
9523	diffusion furnace operator - electronic equipment manufacturing	9523	dip-soldering machine operator - electronic equipment manufacturing
9432	digester cook - pulp and paper	7247	direct broadcast satellite (DBS) technician - cable television
9432	digester field operator	6623	direct distributor - retail
9421	digester operator - chemical processing	1122	direct mail specialist
9411	digester operator - primary metal and mineral processing	4021	direct sales instructor
9432	digester operator - pulp and paper	6623	direct seller
9432	digester tender - pulp and paper	8232	directional driller - oil and gas drilling
7611	digger - construction	8222	directional drilling consultant - oil and gas
8612	digger, graves	8232	directional drilling operator - oil and gas drilling
7611	digger, sewers	8232	directional drilling operator
5241	digital animator - artist	0111	director - financial services
2133	digital circuit design engineer	5131	director - motion picture
2281	digital computer operator	5131	director - motion pictures, broadcasting and performing arts
5225	digital effects specialist		
2241	digital electronics technician		

0211	director engineering service, quality assurance	0421	director of student affairs
0211	director engineering service, safety service	0421	director of studies - college
0012	director general - government services	0311	director of surgery
0014	director general - health, education, social and community services and membership organizations	0213	director of technology management
0513	director general, sport federation	0731	director of traffic - transportation
0423	director general, teachers' association	0731	director of transportation
0111	director of accounting	0912	director of waste management
0421	director of admissions - post-secondary education	0912	director of water pollution control
0212	director of architecture	0111	director, accounting and financial control
0311	director of audiology and speech language pathology	0411	director, adjustment programs - government services
0311	director of clinical medicine	0114	director, administration and property management services
0511	director of conservation, museum	0114	director, administrative services
0423	director of counselling	0413	director, adult education services
0311	director of dietetics	0124	director, advertising
0413	director of education - public administration	0212	director, agricultural chemistry branch
0422	director of education, correctional institution	0412	director, agricultural policy - government services
0513	director of fitness administration - government	0412	director, agricultural products market development - government services
0423	director of guidance services	0212	director, agricultural representatives
0311	director of laboratory medicine	0411	director, apprenticeship training - government services
0513	director of leisure and sports	0411	director, apprenticeship training service - government services
0513	director of leisure	0511	director, archives
0731	director of logistics - transportation	0511	director, art gallery
0714	director of maintenance	0111	director, audit and compliance
0811	director of mining operations	0512	director, ballet company
0811	director of mining	5132	director, band
0311	director of nursing - medical services	0311	director, behaviour therapy services
0311	director of occupational therapy	5131	director, broadcasting
0423	director of operations - housing department	0111	director, budget and sectoral profitability
0911	director of operations, manufacturing	0421	director, business college
0731	director of operations, transportation	0412	director, business development - government services
5131	director of photography	0421	director, business school
0311	director of physiotherapy	0414	director, Cabinet relations
0311	director of professional services - medical services	0714	director, canal
0311	director of psychology - health care	0411	director, career development - government services
0423	director of public welfare	0411	director, career information - government services
0414	director of public works	0423	director, children's aid society
0513	director of recreation and sports	5132	director, choir
0513	director of recreation	5132	director, choral
0212	director of research - forestry	0412	director, commercial analysis - government services
0212	director of research - manufacturing	0124	director, communications
0212	director of research - mining	0423	director, community centre
0421	director of research - university or college	0412	director, community economic development - government services
0422	director of school for the blind or deaf	0411	director, community planning - government services
0422	director of school for the hearing impaired	0423	director, community programs
0413	director of school services	0423	director, community services
0513	director of sports administration - government		
0513	director of sports and leisure		
0513	director of sports and recreation		

0413	director, computer education	0714	director, facility management
0421	director, computer technology school	0411	director, family and children's services - government services
0423	director, consumer information	0411	director, family benefits - government services
0423	director, correctional rehabilitation society	0423	director, family resources
0423	director, correctional services	0411	director, family services - government services
0423	director, correctional treatment and training	0412	director, farm products marketing - government services
0423	director, counselling services	0414	director, federal-provincial relations
0512	director, dance company	0114	director, finance and administration
0213	director, data processing	0111	director, finance
0411	director, day-care planning services - government services	0111	director, financial evaluations
0423	director, detention centre	0111	director, financial planning and reporting
0912	director, distribution network - utilities	0111	director, financing and administration
0912	director, distribution systems - utilities	0311	director, first aid services
0731	director, distribution	0412	director, fishery policy - government services
0132	director, district post office	0513	director, fitness administration - government
0412	director, economic and trade analysis - government services	0513	director, fitness programs
0412	director, economic development - government services	0731	director, flight operations
0412	director, economic policy analysis - government services	6522	director, flight service
0413	director, education curriculum development	0412	director, forestry policy - government services
0413	director, education policy analysis and research	6346	director, funeral
0413	director, education research and information	0411	director, health care insurance plan - government services
4033	director, educational guidance	0411	director, health care insurance refund claims - government services
0414	director, Elections Canada	0411	director, health education - government services
0414	director, elections expenses	0411	director, health information and promotion - government services
0414	director, elections finances	0411	director, health services - government services
0414	director, elections planning	0413	director, heritage languages program
0912	director, electrical power transmission operations	0411	director, home care services - government services
0413	director, elementary education	0411	director, homemaker services - government services
0413	director, elementary school education	0513	director, horse racing
0414	director, emergency responses services	0632	director, hotel
0112	director, employee benefits	0411	director, housekeeping services - government services
0411	director, employment and insurance programs - government services	0411	director, housing policy and development - government services
0112	director, employment equity - human resources	0112	director, human resources development and planning
0411	director, employment equity programs - government services	0112	director, human resources development
0411	director, employment programs - government services	0112	director, human resources management
0412	director, energy policy - government services	0112	director, human resources
0211	director, engineering research and development	0912	director, hydro-electric power production plant
0211	director, engineering service quality control department	0912	director, hydro-electric power station
0513	director, entertainment, sports and leisure	0411	director, immigration and settlement - government services
0513	director, entertainment, sports and recreation		
0411	director, environmental health services - government services		
0412	director, excise tax programs - government services		
0124	director, external relations		

0411	director, Immigration Appeal Division - government services	0512	director, opera company
0412	director, industrial development - government services	0114	director, operational planning
0411	director, industrial hygiene and health - government services	0125	director, organizational methods analysis - business services
0412	director, industry, trade and technology - government services	0125	director, organizational methods analysis
0213	director, information systems development	0125	director, organizational planning and development
0213	director, information systems operations	0412	director, parks administration
0413	director, inspection services - education	0414	director, parliamentary services
0414	director, intergovernmental affairs	6522	director, passenger service - water transportation
0414	director, intergovernmental relations	0112	director, pay and benefits
0414	director, international relations - government	0112	director, pay services - human resources
0411	director, job training - government services	0112	director, pay-processing division - government services
0212	director, laboratory	0112	director, personnel and industrial relations
0112	director, labour relations	0112	director, personnel services
0112	director, language training	0112	director, personnel
0413	director, learning programs - adult education	0311	director, pharmacy
0413	director, learning programs - early-childhood education	0513	director, physical education programs
0413	director, learning programs - elementary education	0513	director, physical training
0413	director, learning programs - secondary education	0413	director, policy and planning - education programs
0114	director, legal department	0413	director, post-secondary education - public administration
0414	director, Legislative Assembly services	0421	director, post-secondary education
0414	director, legislative services	0113	director, private vocational school
0513	director, leisure and sports	0411	director, procurement operations
0513	director, leisure centre		director, professional development - government services
0513	director, leisure establishment	0411	director, protection services - government services
0513	director, leisure programs	0423	director, psychological services
0513	director, leisure service	0311	director, psychology - health care
0513	director, leisure	0124	director, public affairs
0511	director, library	0311	director, public health nursing services
0411	director, local health services - government services	0124	director, public information
0731	director, logistics - transportation	0124	director, public relations
0124	director, marketing	0512	director, publishing house
0212	director, mathematics department	0113	director, purchasing
0124	director, media relations	0212	director, quality control - chemistry
0311	director, medical clinic	0513	director, racetrack
0311	director, medical	0512	director, radio station operations
0412	director, microeconomic policy development - government services	5131	director, radio
5131	director, motion picture	0513	director, recreation and sports
0511	director, museum	0513	director, recreation centre
5132	director, music	0513	director, recreation establishment
0412	director, natural resources policy - government services	0513	director, recreation programs
0311	director, nursing services - medical services	0513	director, recreation service
0311	director, occupational health services	0513	director, recreation
0411	director, occupational training - government services	0112	director, recruiting
0112	director, occupational training - human resources	0124	director, regional communications
0212	director, oceanographic research	0311	director, rehabilitation services - medical services
		0423	director, rehabilitation services
			director, religious education

0411	director, rural housing programs - government services	0421	director, trade school
0124	director, sales agency marketing division	0421	director, training institute
0124	director, sales and marketing	0912	director, transmission operations - utilities
0413	director, school inspection - public administration	0731	director, transportation management
0421	director, school of nursing	0412	director, transportation policy - government services
0421	director, school of technology	0212	director, urban planning and development - government services
0413	director, school services - public administration	0212	director, urban planning and renewal - government services
0413	director, second language program	0423	director, veterans' services
0413	director, secondary school education	5131	director, videos
0413	director, secondary school programs	0411	director, vocational education - government services
0421	director, secretarial college	0421	director, vocational school
0411	director, settlement programs - government services	0411	director, vocational training - government services
0912	director, sewage treatment system	0112	director, vocational training - human resources
0411	director, social planning - government services	0423	director, volunteer services
0411	director, social services - government services	0912	director, waste water treatment system
0411	director, social services policy, planning and research - government services	0912	director, water department
0411	director, social surveys - government services	0912	director, water supply
0411	director, social work - government services	0423	director, welfare organization
0423	director, social work	0411	director, welfare services - government services
0213	director, software engineering	0411	director, welfare services administration - government services
0413	director, special education programs	0423	director, young offender services
0513	director, sports administration - government	0212	director, zoological garden
0513	director, sports and leisure	0212	director, zoological park
0513	director, sports and recreation	0111	director-treasurer - financial services
0513	director, sports association	1452	directory clerk
0513	director, sports federation	1452	directory compiler
0513	director, sports programs	6532	dirigible pilot
0513	director, sports	1434	disability benefits clerk - insurance
0513	director, sports-service sports programs	1121	disability case manager - human resources
5131	director, stage - performing arts	1312	disability claims examiner - insurance
0212	director, statistical department	4153	disability consultant
0413	director, student assistance program	1121	disability management coordinator
0113	director, supply management	1121	disability management practitioner
0411	director, survey research - government services	1121	disability management professional
0412	director, taxation programs	1121	disability management specialist
0421	director, technical school	4212	disability management worker
5131	director, television	4161	disaster emergency response planner
0512	director, theatre company	1312	disaster relief claims adjuster - insurance
0311	director, therapeutic services - psychiatric hospital	0414	disaster relief services co-ordinator
0412	director, tourism development - government services	1431	disbursement clerk
0412	director, tourism promotion - government services	9416	disc flanging operator - metal fabrication
0513	director, track and field	5231	disc jockey - broadcast
0412	director, trade development - government services	9411	discharge door attendant
0412	director, trade liaison - government services	1113	discount broker
		1434	discount clerk - financial sector
		5251	discus thrower
		4012	discussion group leader - post-secondary
		9414	teaching assistant
			dish maker - clay products

9524	dishwasher assembler	9613	distillation equipment helper - chemical processing
7441	dishwasher installer	9613	distillation equipment helper
7332	dishwasher repairer	9212	distillation foreman/woman - chemical processing
6711	dishwasher	9232	distillation operator, petroleum
6711	dishwashing machine attendant	9232	distillation operator
9437	disk cutter - wood products	9461	distilled liquors rectifier - food and beverage processing
9416	disk flange operator - metal fabrication	9461	distilled liquors stillman/woman - food and beverage processing
9416	disk flange operator	9613	distiller helper - chemical processing
7445	dismantler, automotive	9421	distiller operator - soda ash processing
9526	dismantler, farm machinery	9421	distiller, wood distillation and charcoal
1215	dispatch logistician	9461	distillery cooker - food and beverage processing
1525	dispatcher, 911	9213	distillery foreman/woman
7305	dispatcher, bus	9461	distillery grinder operator
1525	dispatcher, fire department	0911	distillery manager
2272	dispatcher, flights	9461	distillery press operator
1525	dispatcher, gas service crews	9461	distillery presser
9232	dispatcher, gas	9461	distillery skimmer
1525	dispatcher, mail service	9461	distillery yeast maker - food and beverage processing
1525	dispatcher, mine	7442	distribution and maintenance worker - utilities
1525	dispatcher, mobile equipment	1215	distribution and transport logistics technician
1525	dispatcher, motor vehicles	0731	distribution and warehousing manager
1525	dispatcher, newspapers	0714	distribution centre manager
1525	dispatcher, oil well services	1521	distribution clerk
9232	dispatcher, oil	7244	distribution construction lineman
1525	dispatcher, plant	9241	distribution control operator - electrical power systems
1525	dispatcher, police	9241	distribution control operator
1525	dispatcher, taxis	0731	distribution director
1525	dispatcher, tow trucks	0731	distribution manager - logistics
2275	dispatcher, trains	0601	distribution manager - sales
1525	dispatcher, trucks	0912	distribution manager, gas
1525	dispatcher, utilities maintenance crews	0912	distribution manager, refined petroleum products
1215	dispatchers supervisor	0912	distribution network director - utilities
3414	dispensary assistant	1215	distribution officer
3131	dispensary department supervisor - hospital	0731	distribution operations manager - logistics
3231	dispenser, contact lens	0912	distribution operations manager - utilities
3231	dispenser, ophthalmic devices	2133	distribution planning engineer, electrical
3231	dispenser, optical devices	2241	distribution planning technologist
3414	dispensing assistant, drugstore	0731	distribution services manager
3141	dispensing audiologist	1215	distribution supervisor
3231	dispensing optician student	9241	distribution system dispatcher apprentice - electrical power systems
3231	dispensing optician	9241	distribution system operator
0621	dispensing opticians office manager	0912	distribution systems director - utilities
6411	display advertising sales representative	7531	distributor, freight cars - railway yard
9537	display balloon maker	7531	distributor, railway cars
5243	display design supervisor	0411	district administrator, income security - government services
5243	display designer - museums and art galleries	2123	district agricultural specialist
5243	display designer		
5243	display designers supervisor		
6721	display installer		
5212	display officer - museums and art galleries		
2133	displays and controls design engineer		
7452	disposal worker - warehouse		
9232	dissolver-precipitator		
4166	distance education program co-ordinator		
4166	distance education project officer		
4031	distance education teacher - secondary school		

2123	district agronomist	0912	division manager - petroleum distribution
4111	district and surrogate court judge	0731	division superintendent, airline
4111	district court judge	0731	division superintendent, railway
1227	district court registrar	7205	division supervisor, pest control
0411	district director, career development and employment - government services	4311	divisional diving supervisor - police
0411	district director, professional development and employment - government services	0601	divisional sales manager
0411	district director, rural and Native housing services - government services	5232	DJ (deejay) - turntablist
0423	district director, social services	5231	DJ (disc jockey) - broadcast
2131	district engineer	9442	dobby loom drawer-in
0432	district fire chief	9442	dobby loom weaver
2122	district forester	7441	dock builder-installer
7253	district gas serviceman/woman	7271	dock carpenter
2224	district inspector - fisheries	7302	dock foreman/woman - marine cargo
0411	district manager - employment insurance	7451	dock hand
0131	district manager - telecommunications	7451	dockerman/woman - marine cargo handling
0631	district manager, canteen service	7452	dockman/woman - truck transport
6221	district manager, grain elevator	2224	dockside monitor - fisheries
0121	district manager, insurance sales	2224	dockside observer - fisheries
0912	district manager, irrigation	7451	dockworker - marine cargo handling
0121	district manager, real estate sales	7451	dockworker
0601	district manager, retail	3232	doctor of acupuncture
0601	district manager, sales (except insurance and real estate)	3232	doctor of Chinese medicine
0131	district manager, telephone company	3122	doctor of chiropractic (DC)
0431	district police chief	3122	doctor of chiropractic
0132	district post office director	3113	doctor of dental surgery
2123	district representative, government agricultural service	3232	doctor of homeopathic therapeutics
0121	district sales manager, real estate	3232	doctor of homeopathy
6411	district sales representative - wholesale	3112	doctor of medicine (MD)
0422	district school assistant superintendent	3125	doctor of naturopathic medicine
0422	district school superintendent	3125	doctor of naturopathy
4421	district sheriff	3121	doctor of optometry (OD)
2224	district supervisor - fisheries	3232	doctor of Oriental medicine
6231	district supervisor, insurance office	3125	doctor of osteopathic medicine
7246	districtman/woman - telecommunications	3125	doctor of osteopathy
7611	ditch cleaner - construction	3125	doctor of podiatric medicine (D.P.M.)
2264	ditch construction inspector	3112	doctor, family
7521	ditcher operator - construction	3112	doctor, medical
7302	ditching foreman/woman	3012	doctor's office nurse
7521	ditching machine operator	1414	doctor's office receptionist
7612	diver helper	1253	document management technician
5251	diver, olympic sport	5212	document restoration technician
7384	diver	1253	document technician
1434	dividend calculation clerk - financial sector	1452	documentalist, business
1434	dividend calculation clerk	1452	documentalist
9461	dividing machine tender - food and beverage processing	1221	documentation and projects analyst
7384	diving contractor	1452	documentation clerk
7384	diving supervisor	5111	documentation librarian
0114	division administrative manager	1253	documentation technician
0432	division chief - fire department	1411	documents clerk
1111	division controller - accounting	2211	documents examiner - applied chemistry
0511	division librarian	9616	doffer
		0821	dog breeder
		4423	dog catcher
		6563	dog groomer
		0651	dog grooming establishment manager
		6563	dog handler
		0651	dog kennel manager

4311	dog master - police	9533	door repairer, wood - wood products manufacturing
6563	dog master trainer	9619	door sander
6563	dog master	9437	door-hang machine operator - woodworking
6563	dog trainer	6721	doorkeeper, hotel
4423	dog warden	6742	doorman/woman (except hotel)
6532	dogsledding guide	1513	door-to-door distributor
9537	doll assembly repairer	6211	door-to-door sales supervisor
9537	doll hairstylist	6623	door-to-door salesperson
9537	doll maker - manufacturing	7611	dope machine operator - pipelines
5244	dollmaker, hand	5245	doper - fabric products
5227	dolly operator - motion pictures and broadcasting	5245	doper and marker
5227	dolly pusher - motion pictures and broadcasting	9472	dot etcher - printing
7241	domestic and rural electrician	9472	dot etcher
0821	domestic animal breeder	9446	double needle sewing machine operator
2121	domestic animal scientist	9446	double needle sewing machine stitcher
0013	domestic banking operations vice-president	9441	doubling machine operator - textile manufacturing
6322	domestic cook	9441	doubling machine tender - textile manufacturing
4412	domestic housekeeper	9617	dough feeder - food and beverage processing
6731	domestic maid - cleaning services	9461	dough maker - food and beverage processing
7332	domestic refrigerator repairer	9617	dough roller
6742	domestic servant	9617	dough weigher
7445	domestic sewing machine mechanic	9461	dough-kneading machine tender
9446	domestic sewing machine operator	6711	doughnut shop attendant
7445	domestic sewing machine repairer	6711	doughnut shop clerk
7332	domestic window air conditioner mechanic	6711	doughnut shop counter clerk
7332	domestic window air conditioner repairer	4412	doula
6332	donut baker	9437	dovetail machine operator - woodworking
6332	donut maker	9437	dowel machine operator - woodworking
6711	donut shop attendant	9437	dowel machine set-up operator - woodworking
6711	donut shop clerk	9437	dowel machine tender
6711	donut shop counter clerk	9437	dowel pointer - woodworking
9522	door adjuster - motor vehicle manufacturing	9437	dowelling machine operator - woodworking
9522	door and deck lid adjuster - motor vehicle manufacturing	9437	dowelling machine set-up operator - woodworking
9227	door and sash assembly foreman/woman	9437	dowelling machine tender - woodworking
9537	door and window assembler, aluminum	9437	dowel-making machine operator - woodworking
9522	door assembler - motor vehicle manufacturing	9437	dowel-making machine set-up operator - woodworking
9537	door assembler, aluminum	9437	dowel-making machine tender - woodworking
9533	door assembler, wood	9437	downhand welder - pipeline
6742	door attendant (except hotel)	7237	downhole loader - underground mining
9533	door finisher - wood products manufacturing	8231	downhole tool operator - oil and gas drilling
9522	door fitter - motor vehicle manufacturing	8232	downhole tool operator
9522	door fitter	7521	dozer operator
7611	door frame installer	2253	drafter
9522	door hanger - motor vehicle manufacturing	2253	drafting checker
9533	door inspector, wood	2253	drafting clerk
7441	door installer, aluminum	4021	drafting instructor - college level
7441	door installer, residential	4021	drafting instructor
7441	door installer		
9533	door maker, wood		
9522	door paneler - motor vehicle manufacturing		
9533	door patcher, wood - wood products manufacturing		
6721	door person - hotel		

2253	drafting supervisor	9442	drawer-in helper - textiles
4021	drafting teacher - college level	9442	drawer-in, dobby loom
4021	drafting teacher	9442	drawer-in, loom
2253	drafting technician, design	9537	drawing instrument assembler
2253	drafting technician	9413	drawing kiln operator - glass forming
2253	drafting technologist	9441	drawing machine tender - textile fibre
2253	drafting tracer	9442	drawing-in machine operator - textiles
2255	draftsman, cartographic	9442	drawing-in machine operator
2255	draftsman/woman, map	1411	drawings filing clerk
2253	draftsman/woman	9619	drawstring inserter - garment manufacturing
2253	draftsperson - computer-assisted design	2273	dredge captain
2253	draftsperson hull - shipbuilding and repair	2273	dredge commanding officer
2253	draftsperson, air conditioning systems	7532	dredge deckhand
2253	draftsperson, architectural	2273	dredge mate
2253	draftsperson, civil	7312	dredge mechanic
2253	draftsperson, electrical	7521	dredge operator
2253	draftsperson, process piping	7312	dredge repairer
2253	draftsperson	7521	dredge runner
2253	draftspersons supervisor	7611	dredge worker
9431	drag saw operator - sawmill	7302	dredgemaster - construction
7371	dragline crane operator	7302	dredging equipment operators
7535	dragline oiler		foreman/woman
7371	dragline operator - crane	7302	dredging foreman/woman
7611	dragline operator helper	9619	dress finisher
7522	drain roto servicer - public works	5245	dress patternmaker
9414	drain tile auger machine operator - clay products	9217	dress repairs foreman/woman - clothing manufacturing
2131	drainage design engineer	8252	dressage and stunt horse trainer
6732	drain-roto cleaner	5254	dressage instructor
5135	drama actor	9441	dressed hide and pelt finisher
5135	drama coach	9465	dressed poultry grader
5123	drama critic	9612	dresser - metal products manufacturing
4011	drama professor - university	5227	dresser - motion pictures, broadcasting and performing arts
5135	drama teacher - private or studio		
4031	drama teacher - secondary school	9441	dresser - textile manufacturing
3144	drama therapist	9414	dresser, grinding wheels
3144	drama therapists' supervisor	9414	dresser, ware - concrete, clay and stone products
4169	dramatic arts historian		
5135	dramatic arts teacher - private or studio	9461	dressing and sauce mixer
5135	dramatic reader	9461	dressing mixer operator - food and beverage processing
9447	draper		
6421	drapery and upholstery salesperson - retail	6342	dressmaker
6741	drapery cleaner - laundry and dry cleaning	9217	dressmakers supervisor
6741	drapery cleaner	9217	dressmaking department foreman/woman
7441	drapery hanger	8231	drift driller - underground mining
9446	drapery header	8231	drift miner
9446	drapery heading maker	9521	drill and ream mechanic - aircraft assembly
7441	drapery installer	8411	drill carriage operator helper - underground mining
9619	drapery making labourer		
9619	drapery pleater, hand	8221	drill fitter boss - mining
9537	drapery pleater, machine	8221	drill fitter foreman/woman - mining
9446	drapery sewer	9612	drill grinder - metal products manufacturing
9532	drawer assembler	9437	drill operator - woodworking
9532	drawer fitter	9413	drill operator, glass
9611	drawer helper - primary metal processing	9417	drill press operator - metal machining
9442	drawer, warps - textiles	9414	drill press operator - stone products
9442	drawer-in - textiles	9437	drill press operator - woodworking

9414	drill press operator, stonework	5251	driver, chuckwagon
9417	drill press set-up operator - metal machining	7514	driver, courier service
9435	drill punch tender - paper converting	5251	driver, demolition
8232	drill stem tester - oil and gas drilling	7511	driver, dump truck
8232	drill stem tester	7511	driver, explosives truck
8232	driller - offshore drilling rig	7514	driver, fast food service
8232	driller - oil and gas drilling	7513	driver, funeral services
7372	driller - quarrying	7511	driver, gravel truck
7372	driller - surface mine	5251	driver, harness race
7372	driller - surface mining	5251	driver, harness racing
8231	driller - underground mining	7513	driver, hearse
7611	driller helper - surface mining	7511	driver, heavy truck
8411	driller helper - underground mining	7511	driver, line-haul
9414	driller, clayware	8431	driver, livestock
7372	driller, construction	7511	driver, logging truck
8231	driller, drift - underground mining	7511	driver, long haul
9414	driller, greenware - clay products	7511	driver, low-bed semi-trailer
8231	driller, long-hole - underground mining	7511	driver, mobile concrete mixer
9537	driller, optical goods - non-prescription	7512	driver, motor coach
7372	driller, quarry	7512	driver, public passenger transit
8231	driller, rotary raise - underground mining	5251	driver, race car
7372	driller, seismic prospecting	7511	driver, ready-mix - construction
9414	driller, stones - stone products	7511	driver, ready-mix truck
7373	driller, water well apprentice	7512	driver, school bus
9437	driller, wood - woodworking	7514	driver, small vans
7302	drilling and blasting foreman/woman - construction	7522	driver, sprinkling truck - public works
9417	drilling and milling machine operator - metal machining	5251	driver, sulky
2145	drilling and recovery chief engineer	7513	driver, taxi
2145	drilling and recovery petroleum engineer	7513	driver, taxicab
2145	drilling engineer, oil and gas	7511	driver, tow truck
2212	drilling fluid technician	7511	driver, transport
8221	drilling foreman/woman - mining and quarrying	7511	driver, truck
7372	drilling machine operator - construction	6722	driver, truck-trailer
9417	drilling machine operator - metal machining	4216	driver, zamboni
8231	drilling machine operator - underground mining	4216	driver's licence examiner
0811	drilling operations manager	7305	driver-salesmen/women supervisor
7237	drilling platform welder	4216	driving examiner
7371	drilling rig crane operator	4021	driving instructor, commercial vehicles
3234	drilling rig medic	4216	driving instructor
3234	drilling rig medical technician	6722	driving range attendant
3234	drilling rig medical warden	4216	driving school instructor
3234	drilling rig medical worker	0651	driving school manager
1525	drilling rig radio operator	9416	drop forge hand
1522	drilling rig storekeeper	9416	drop forge operator - metal forging
7237	drilling rig welder	9416	drop forge operator
6711	drive-in food service attendant	9416	drop forger
6722	drive-in theatre attendant	9416	drop hammer forger
7622	driver helper	9612	drop hammer helper - metal fabrication
7514	driver salesman/woman	9416	drop hammer operator - metal forging
7514	driver salesperson	9434	drop sorter operator - wood processing
3234	driver, ambulance	9418	drop tester, cartridge primers
7511	driver, bulk milk truck	4212	drop-in centre worker
7512	driver, bus	9462	dropper, dehairing machine - meat packing plant
		9442	drop-pinning machine operator - textiles
		9231	dross furnace operator

9611	dross skimmer - primary metal and mineral products processing	6741	dry cleaner helper
9411	dross treatment operator - zinc melting	6316	dry cleaner supervisor
4153	drug addiction counsellor	6741	dry cleaner
4212	drug addiction worker	7514	dry cleaning driver
4165	drug and alcohol abuse consultant	6741	dry cleaning machine operator - laundry and dry cleaning
9421	drug and toilet goods weigher	6741	dry cleaning machine operator helper
9537	drug and toilet preparations inspector	0651	dry cleaning plant manager
3131	drug information pharmacist	6316	dry cleaning production supervisor
4311	drug investigator - police	0651	dry cleaning service manager
0431	drug squad inspector - police	6316	dry cleaning supervisor
7514	drug store delivery driver	9617	dry curer - food and beverage processing
3131	druggist	7533	dry dock worker - shipbuilding
6421	drugstore clerk	9421	dry explosive mixer
3414	drugstore dispensing assistant	9461	dry foods mixer operator
0621	drugstore manager	9421	Dry Ice maker
3414	drugstore side room attendant	9414	dry pan operator - stone products
9434	drum barker tender - wood processing	9414	dry plaster mixer
9423	drum builder, rubber	9414	dry press operator - clay products
9421	drum filler, liquefied gases	9414	dry products mixer - stone products
5244	drum maker - artisan	9461	dry starch maker helper
9536	drum painter	9461	dry starch maker
9437	drum sander - woodworking	9461	dry starch operator - food and beverage processing
9437	drum sander operator - woodworking		dry starch worker - food and beverage processing
5133	drummer	9461	dry-end tender, cellulose films
9527	dry battery coremaking machine tender	9421	dryer - textile manufacturing
9527	dry battery inspector - electrical equipment manufacturing	9441	dryer and cooler operator - tobacco processing
9527	dry battery process room operator - electrical equipment manufacturing	9461	dryer operator - chemical processing
9527	dry battery tester - electrical equipment manufacturing	9461	dryer operator - food processing
9441	dry cans operator - textile manufacturing	9411	dryer operator - mineral and metal processing
9527	dry cell and battery assembler		dryer operator - textile manufacturing
9527	dry cell assembler	9441	dryer operator, soap flakes
9223	dry cell assemblers supervisors	9421	dryer tender - chemical processing
9527	dry cell assembly machine feeder - electrical equipment manufacturing	9441	dryer tender - textile manufacturing
9527	dry cell battery assembler	9461	dryer tender - tobacco processing
9527	dry cell charge machine operator - electrical equipment manufacturing	9613	dryer tender helper - chemical processing
9527	dry cell charge machine operator	9421	dryer tender, asphalt plant
9527	dry cell charger operator - electrical equipment manufacturing	9432	dryer tender, insulation boards
9527	dry cell coremaking machine tender - electrical equipment manufacturing	9421	dryer tender, nitrocellulose
9527	dry cell coremaking machine tender	9434	dryer tender, wood particles
9619	dry cell remover - electrical equipment manufacturing	9611	dryer worker - primary metal processing
9527	dry cell sealer - electrical equipment manufacturing	9414	dryer, pottery - clay products
9527	dry cell tester - electrical equipment manufacturing	9421	dryhouse attendant - chemical processing
9527	dry cell tube machine assembler - electrical equipment manufacturing	9421	dryhouse tender, explosive primers - chemical processing
9614	dry chain offbearer - wood processing		drying drum tender - food and beverage processing
9614	dry chainman/woman - wood processing	9461	drying kiln operator - wood processing
		9434	drying machine helper - textile processing
		9616	drying machine operator - textile manufacturing
		9441	drying machine operator - tobacco processing

9414	drying machine tender - clay products	9611	dust remover - primary metal processing
9441	drying machine tender - textile manufacturing	9611	dust-collector labourer - primary metal processing
9616	drying machine tender - textile processing	9537	duster maker
9441	drying machine tender, yarn	4311	duty officer, headquarters - police
8411	dryman/woman - underground mining	4311	duty officer, station - police
9412	dry-sand moulder - foundry	2112	dye chemist
9213	dry-starch foreman/woman - food processing	9217	dye foreman/woman - textiles
7284	drywall and acoustic mechanic	9421	dye maker
7611	drywall and acoustical installer helper	9441	dye mixer
7284	drywall and ceiling system installer	2261	dye penetrant technician
7284	drywall and lather applicator	2261	dye penetrant tester
7205	drywall application contractor	9217	dye room supervisor - textiles
7284	drywall applicator	9217	dye room supervisor
7205	drywall applicators foreman/woman	9217	dyehouse foreman/woman - hide and pelt processing
7205	drywall contractor		
7284	drywall finisher apprentice	9217	dyehouse foreman/woman - textiles
7284	drywall finisher	9217	dyehouse supervisor - textile processing
7284	drywall hanger	9616	dyeing and finishing machine loader
7284	drywall installer and finisher apprentice	2211	dyeing and finishing technician
7284	drywall installer and finisher	2211	dyeing and finishing technologist
7284	drywall installer lead hand	9441	dyeing machine tender - textile manufacturing
7284	drywall installer team leader		
7284	drywall installer	9441	dyeing range operator - textile manufacturing
7284	drywall interior systems installer	9217	dyeing supervisor - textiles
7284	drywall mechanic	2211	dyeing technician
7284	drywall nailer	9441	dyeing tub tender - textile manufacturing
7284	drywall nailing person	9441	dyeing vat operator - textile manufacturing
7611	drywall sander	9441	dyeing worker - textile manufacturing
7284	drywall taper	9441	dyer - textile manufacturing
7205	drywaller-contractor	9616	dyer helper - textile processing
1423	DTP (desktop publishing) operator	6741	dyer, laundry and dry cleaning
1423	DTP (desktop publishing) specialist	9441	dyer
3144	DTR (registered dance therapist)	9441	dye-reel tender - textile manufacturing
9416	dual action hammer operator - metal forging	8412	dynamic positioning operator - offshore drilling
5121	dubbing dialogue writer		
5225	dubbing machine operator	7302	dynamiters foreman/woman - construction
7441	duct installer	8221	dynamiters foreman/woman - quarrying
6532	dude wrangler	7302	dynamiting foreman/woman - construction
8613	dulse gatherer	9526	dynamometer tester, engines
7318	dumbwaiter installer-repairer		
7511	dump truck driver		
7452	dumper - material handling		
7452	dumper - surface coal mining		
9617	dumping machine tender - food and beverage processing	3111	ear specialist
		4214	early childhood assistant
7621	dumpman/woman	4021	early childhood education instructor - college level
7511	dumpster truck driver		
5227	duplicate-film examiner - motion pictures and broadcasting	4021	early childhood education teacher - college level
9523	duplicating machine assembler	4214	early childhood education worker
9416	duplicator punch operator - metal fabrication	4214	early childhood educator - junior kindergarten
9537	dust brush maker		
9537	dust mop assembler	4214	early childhood educator - kindergarten
9537	dust mop maker	4214	early childhood educator - preschool
9411	dust operator	4214	early childhood educator assistant - junior kindergarten
9411	dust pump operator - slag furnace		

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4214	early childhood educator assistant - kindergarten	4162	economic analyst
4214	early childhood educator assistant	0412	economic and political affairs assistant
4214	early childhood educator (E.C.E.)	0412	economic and trade analysis director - government services
4214	early childhood program staff assistant	2121	economic botanist
4214	early childhood program supervisor	4162	economic consultant
4032	early childhood services teacher - elementary school	4163	economic development consultant
4214	early childhood supervisor	0412	economic development co-ordinator
9537	earring maker, pearls	0412	economic development director - government services
9423	earth mover tire builder	4163	economic development officer - Aboriginal communities
0131	earth station manager - telecommunications	4163	economic development officer
7312	earthmoving equipment mechanic	4163	economic forecaster
7521	earth-moving equipment operator	4169	economic geographer
7611	earthworks labourer - construction	4169	economic historian
4153	eating disorder therapist	4162	economic policy adviser
7205	eavestrough contractor	0412	economic policy analysis assistant director - government services
7441	eavestrough installer	0412	economic policy analysis chief - government services
0124	e-business (electronic business) manager	0412	economic policy analysis director - government services
2174	e-business (electronic business) software developer	4162	economic policy analyst
2175	e-business (electronic business) Web site developer	4162	economic policy researcher
0124	e-business manager	4162	economic research group supervisor
2175	e-business Web site developer	4163	economic research officer
4214	ECE assistant	4011	economics professor - university
3217	ECG (electrocardiographic) technician	4021	economics teacher - college level
3217	ECG (electrocardiographic) technologist	4031	economics teacher - secondary school
3216	echocardiographer	4162	economist, natural resources
3216	echocardiography technician	4162	economist
3216	echocardiography technologist sonographer	2261	eddy current technician
3216	echocardiography technologist	2261	eddy current tester
3217	echoencephalographic technologist	9437	edge bander - woodworking
3217	echoencephalography technician	9437	edge bander operator - woodworking
3216	echography technician	9434	edge gluer - wood processing
3216	echography technologist	3414	edge grinder, ophthalmic lenses
2121	ecobiologist	9537	edge grinder, watch crystals
5212	ecological interpreter	9431	edger - sawmill
0212	ecological research manager	9431	edger operator, automatic - sawmill
2221	ecological technician	9413	edger, glass
2221	ecological technologist	9537	edger, hand lenses - non-prescription
2121	ecologist	9537	edger, precision optical lenses - non-prescription
0212	ecology manager	9437	edger, table tops - woodworking
0124	e-commerce (electronic commerce) manager	9431	edgerman/woman - sawmill
0601	e-commerce (electronic commerce) sales manager	9431	edgerman/woman
2174	e-commerce (electronic commerce) software developer	9617	edible oil processing labourer
2175	e-commerce (electronic commerce) Web site developer	9461	edible oil pumper - food and beverage processing
0124	e-commerce manager	9461	edible oil refiner - food and beverage processing
2175	e-commerce Web site developer	9617	edible oil refiner helper
4162	econometrician	1452	editing clerk
4162	economic advisor	5122	editor, advertising
0412	economic analysis chief - government services	5122	editor, blog
1112	economic analyst, financial services		

5122	editor, book	4166	education policy officer
5122	editor, business	4166	education policy supervisor
5122	editor, control room - broadcasting	4011	education professor - university
5122	editor, dictionary	4166	education program co-ordinator
5122	editor, editorial page	4166	education program officer
5131	editor, films	4166	education program planner
5122	editor, journal	0421	education programs administrator
5122	editor, magazine	0413	education programs assistant director - public administration
5122	editor, manuscripts	0413	education programs support director - public administration
2255	editor, maps	4311	education relations officer - policing
5122	editor, newspaper	0413	education research and information director
5122	editor, picture	4166	education research officer
5225	editor, sound	4166	education researcher
5225	editor, videotape	4166	education science specialist
5122	editor, Web site	2161	education statistician
5122	editor	4166	educational and vocational information specialist
1452	editorial assistant	4413	educational assistant
5241	editorial cartoonist	3141	educational audiologist
0512	editorial chief	4033	educational counsellor
1452	editorial clerk	0411	educational director, public health nursing - government services
5122	editorial consultant	4033	educational guidance director
5122	editorial page editor	5125	educational interpreter
5123	editorial writer, newspaper	4151	educational psychologist
0512	editor-in-chief	4413	educational resources assistant
9417	EDM (electrical discharge machine) operator	4169	educational sociologist
9417	EDM (electrical discharge machine) set-up operator	3141	educational speech-language pathologist
9417	EDM (electrical discharge machine) tender	4214	educator assistant - junior kindergarten
2172	EDP (electronic data processing) analyst	3217	EEG (electroencephalograph) chief technologist
2174	EDP (electronic data processing) applications programmer	3217	EEG (electroencephalograph) technician
2171	EDP (electronic data processing) auditor	3217	EEG (electroencephalograph) technologist
0213	EDP (electronic data processing) manager	3217	EEG (electroencephalography) technologist
2172	EDP (electronic data processing) specialist	2221	eel culture technician
2172	EDP (electronic data processing) systems analyst	0823	eel farmer
1422	EDP (electronic data-processing) equipment operator	2141	efficiency engineer
6221	EDP (electronic data-processing) hardware and services sales representative	5222	EFP (electronic field production) camera operator
1211	EDP (electronic data-processing) unit - supervisor	9617	egg breaker - food and beverage processing
4166	education consultant	8431	egg candler
6421	education courses salesperson	8431	egg collector
0413	education curriculum development director - public administration	8431	egg gatherer
0413	education curriculum development director	8431	egg grader
0413	education director	8431	egg grading machine tender
1123	education officer, museum	8431	egg grading station labourer
4033	education officer	8252	egg grading station manager
4166	education outreach program co-ordinator	8431	egg packer - farm
4166	education policy advisor	8431	egg picker - poultry
4166	education policy analyst	0821	egg processing machine tender
0413	education policy and research director - public administration	5125	egg producer
4166	education policy consultant	0124	elbow interpreter
0413	education policy manager	4168	election campaign manager
		1454	election commission officer
			election enumerator

0414	elections expenses director	7333	electric meter repairer apprentice
0414	elections finances director	7333	electric meter repairer
4168	elections officer	7244	electric meter setter - electric power systems
0414	elections planning director	7333	electric meter technician
9524	electric air conditioning assembler	9525	electric meter tester - industrial electrical equipment
7441	electric appliance installer	7371	electric monorail crane operator
9524	electric appliance manufacturing inspector	9223	electric motor and generator assembly foreman/woman
7332	electric appliance service technician	9525	electric motor assembler
9416	electric arc cutter - metal products manufacturing	9525	electric motor inspector
9231	electric arc furnace operator - primary metal processing	7333	electric motor mechanic
7237	electric arc welder, hand	7301	electric motor repair foreman/woman
7237	electric arc welder	7333	electric motor repairer and tester
9524	electric baseboard heater assembler	7612	electric motor repairer helper
9527	electric bulb maker	7333	electric motor repairer
9223	electric cable manufacturing foreman/woman	7333	electric motor repairer-tester
7612	electric cable network installer helper	7333	electric motor repairman/woman
7612	electric cable splicer helper	7301	electric motor shop foreman/woman
9524	electric clock assembler	7333	electric motor systems technician
9524	electric clock components inspector	9619	electric motor tester helper
9524	electric clock parts inspector	9223	electric motor testing foreman/woman
9524	electric coffee maker assembler	9619	electric motor testing helper
9524	electric contact tester	7333	electric motor winder
7371	electric crane operator	7333	electric motor winder-repairer
7452	electric dolly operator	7452	electric mule operator
7371	electric dragline operator	7612	electric power and wire communications labourer
7332	electric dryer repairer		
9524	electric fan assembler	0016	electric power company president
7332	electric fireplace servicer	0912	electric power plant manager
9526	electric furnace assembler	0912	electric power services manager
9412	electric furnace operator - foundry	9524	electric range assembler
9231	electric furnace operator - primary metal and mineral products processing	7332	electric refrigerator servicer
9527	electric fuse maker	9524	electric sign assembler
7371	electric gantry crane operator	7441	electric sign erector
0912	electric generating plant manager	7445	electric sign repairer
0912	electric generating station manager	7242	electric signal repairer - railway
7535	electric golf cart servicer (except mechanic)	9524	electric snowblower inspector and tester
9524	electric heating system assembly line worker	7237	electric spot welder operator
7441	electric household appliance installer - residential and commercial equipment	7237	electric spot welder
7441	electric household appliance installer	7237	electric spot-welding machine operator
7332	electric household appliance servicer	9524	electric stove assembler
9524	electric lamp inspector and tester	9524	electric toaster inspector
9524	electric lamp maker	7332	electric tool repairer
9524	electric lamp parts inspector	7445	electric toy repairer
9524	electric lamp wirer	7452	electric truck operator
9524	electric lantern maker	7535	electric truck servicer (except mechanic)
9524	electric lawn mower inspector and tester	9524	electrical accessories assembler
7332	electric lawn mower repairer	2241	electrical and electronics design technologist
8232	electric line operator - oil field services	2241	electrical and electronics quality control technologist
8232	electric line operator	2133	electrical and electronics research engineer
7244	electric meter installer - electric power systems	2244	electrical and electronics technician - avionics
7202	electric meter installers foreman/woman	2234	electrical and mechanical quantity surveyor
7202	electric meter installers supervisor	7333	electrical apparatus mechanic
		9524	electrical appliance assembler

9223	electrical appliance assemblers supervisor	2241	electrical engineering design technologist
9223	electrical appliance assembly foreman/woman	4011	electrical engineering professor - university
9524	electrical appliance assembly inspector	0211	electrical engineering service manager
9223	electrical appliance assembly supervisor	2241	electrical engineering technician
9524	electrical appliance assembly tester	2241	electrical engineering technologist
9524	electrical appliance bench assembler	9524	electrical equipment assembler
9524	electrical appliance bench worker	9524	electrical equipment assembly line setter
9524	electrical appliance inspector	9527	electrical equipment base filler
7441	electrical appliance installer	2133	electrical equipment engineer
9223	electrical appliance manufacturing supervisor	9527	electrical equipment impregnator
9524	electrical appliance operator-assembler	7202	electrical equipment installation and repair foreman/woman
9524	electrical appliance production assembler	9223	electrical equipment manufacturing foreman/woman
7301	electrical appliance repair shop supervisor	9524	electrical equipment manufacturing inspector
9524	electrical appliance repairer, production line	9527	electrical equipment manufacturing machine operator
7332	electrical appliance repairer		
7332	electrical appliance serviceman/woman	9223	electrical equipment manufacturing supervisor
7332	electrical appliance servicer		
7332	electrical appliance technician	9524	electrical equipment manufacturing utility operator
7202	electrical appliances installation foreman/woman	7333	electrical equipment mechanic trainee
7244	electrical cable splicer - electric power systems	7371	electrical equipment operator - derrick
9527	electrical connection crimper	7521	electrical equipment operator - shovel
7202	electrical construction contractor	9524	electrical equipment production assembler
7202	electrical construction foreman/woman	6221	electrical equipment sales representative
9524	electrical continuity tester - electrical appliance manufacturing	2234	electrical estimator - construction
9525	electrical continuity tester - industrial electrical equipment	9525	electrical fitter - industrial electrical equipment
7202	electrical contractor, construction	7241	electrical fitter
7202	electrical contractor	7202	electrical fixtures installer
9525	electrical control equipment fitter-assembler	7522	electrical foreman/woman
9525	electrical control panel assembler	9524	electrical forester
9525	electrical control panel final assembler	9524	electrical household appliance assembler
9525	electrical control panel subassembler	6221	electrical household appliance inspector
9524	electrical control tester		electrical industrial equipment sales representative
9524	electrical controls calibrator	2264	electrical inspector - construction
9524	electrical controls inspector	9524	electrical inspector - manufacturing
2133	electrical design engineer	2244	electrical inspector, aircraft
9417	electrical discharge machine (EDM) operator	9525	electrical inspector, locomotive
9417	electrical discharge machine (EDM) tender	2264	electrical installation inspector
2133	electrical distribution engineer	7333	electrical instrument mechanic
2253	electrical drafting supervisor	9524	electrical insulator assembler - small transformer manufacturing
2253	electrical draftsman		electrical insulator tester
9223	electrical dry cell assembly foreman/woman	9619	electrical insulator tester
9527	electrical dry cell inspector - electrical equipment manufacturing	9527	electrical lamp-making machine set-up man/woman
9527	electrical dry cell inspector	9527	electrical lead acid storage battery filler
9527	electrical dry cell-making inspector	9524	electrical lighting fixture tester
2264	electrical energy installation inspector	7231	electrical machinist
2133	electrical energy transmission engineer	7333	electrical mechanic - electrical utilities
2133	electrical energy transmission planning engineer	7333	electrical mechanic apprentice
2133	electrical engineer, process control	7333	electrical mechanic (except avionics)
2133	electrical engineer	7612	electrical mechanic helper
		7333	electrical mechanic trainee
		7333	electrical mechanic, meter repair

7333	electrical mechanic, switchgear repair	7202	electrical systems contractor
7333	electrical mechanic	2133	electrical systems planning engineer
7301	electrical mechanics foreman/woman	2241	electrical technician
7333	electrical mechanics group leader	9522	electrical test technician - motor vehicle manufacturing
7333	electrical mechanics lead hand	9522	electrical tester, instrument panels - motor vehicle manufacturing
9524	electrical mercury switch assembler	9524	electrical tester, manufacturing
9524	electrical mercury switch assembly tester	9522	electrical testing technician - motor vehicle manufacturing
9524	electrical meter assembler	7333	electrical transformer repairer
9223	electrical motor assembly foreman/woman	9524	electrical wire group assembler - electrical equipment manufacturing
7333	electrical motor coil winder-repairer	9523	electrical wire group assembler - electronic equipment manufacturing
2133	electrical network engineer	9524	electrical wire insulation tester
9525	electrical panel assembler and wirer - industrial electrical equipment	9524	electrical wirer - automotive assembly
9527	electrical plug maker	9522	electrical wirer, construction
7202	electrical power inspector and tester supervisor	7241	electrical wiring inspector - construction
2133	electrical power scheduling engineer	2264	electrical wiring inspector supervisor
2241	electrical power supply system technician	7202	electrical wiring installation contractor
2241	electrical power system planning technician	7241	electrical wiring installer - construction
2241	electrical power system technician	9527	electrical-equipment-impregnating machine operator
2133	electrical power systems design engineer	7243	electrician - electricity production
9241	electrical power systems operator	7242	electrician - rail transport
0912	electrical power transmission operations director	7241	electrician - troubleshooter
7243	electrical powerhouse electrician - electrical power system	7202	electrician foreman/woman
7243	electrical powerhouse electrician	7612	electrician helper, automotive
9619	electrical products labourer	7612	electrician helper, powerhouse
9522	electrical quality assurance inspector - motor vehicle manufacturing	2244	electrician, aircraft
9524	electrical relay tester and adjuster	7241	electrician, building construction
7242	electrical repairer, crane maintenance	7241	electrician, construction and maintenance
7242	electrical repairer, industrial	7243	electrician, electrical powerhouse - electrical power system
7242	electrical repairer, machine shop	7243	electrician, electrical substation - electrical power system
2133	electrical research engineer	7242	electrician, industrial
7333	electrical rewind mechanic	7241	electrician, institution
9423	electrical rubber goods manufacturing tester	7242	electrician, plant maintenance
2264	electrical safety inspector	5226	electrician, set
9241	electrical station operator - electrical power systems	7242	electrician, shipyard
9241	electrical station operator	5226	electrician, stage
9241	electrical station power distribution inspector	7246	electrician, switched communications
9527	electrical storage battery charger operator	7246	electrician, telecommunications equipment
9527	electrical storage battery inspector	7246	electrician, telephone communications
9527	electrical storage battery plate washer and dryer	7246	electrician, toll communications
9527	electrical storage battery repairer - electrical equipment manufacturing	7241	electrician
9527	electrical storage battery tester	7202	electrician-contractor
0714	electrical superintendent	7202	electricians supervisor
7202	electrical supervisor - drilling rig	2262	electricity and gas meter inspector
9524	electrical switch assembler	2111	electricity and magnetism physicist
9524	electrical switch maker	2241	electricity distribution network technologist
9525	electrical switchgear inspector	6221	electricity sales representative
9525	electrical switchgear panel wirer	3217	electrocardiographic (ECG) technician
9525	electrical switchgear tester	3217	electrocardiographic (ECG) technologist
9525	electrical switchgear wireperson	3217	electrocardiography technician

3217	electrocardiography technologist	3217	electromyography (EMG) technologist
3217	electrocardiology technician	3211	electron microscopy technologist - medical laboratory
3217	electrocardiology technologist	9523	electron tube assembler
2134	electrochemical engineer	9523	electron tube inspector and tester
9417	electrochemical machining tool operator	9523	electron tube stem assembly inspector
2112	electrochemist	3217	electroneurodiagnostic (END) technologist
9613	electrode cleaner	3217	electroneurophysiology (ENP) technologist
9527	electrode installer	2244	electronic accessories repair and overhaul mechanic - avionics
9421	electrode oven operator	9222	electronic assembly foreman/woman
3217	electroencephalograph (EEG) chief technologist	9222	electronic assembly supervisor
3217	electroencephalograph (EEG) technician	0124	electronic business (e-business) manager
3217	electroencephalograph (EEG) technologist	2174	electronic business (e-business) software developer
3217	electroencephalographic instructor	9523	electronic business machine assembler
9536	electroformer	9523	electronic cash register assembler
9536	electrogalvanizer	2242	electronic cash registers servicer
9536	electrogalvanizing machine operator	0124	electronic commerce (e-commerce) manager
9536	electroless plater	2174	electronic commerce (e-commerce) software developer
6562	electrologist	7246	electronic communications technician
4021	electrolysis instructor - vocational institute	9523	electronic component assembler
6562	electrolysis operator	9523	electronic component cleaner
6562	electrolysis technician	9523	electronic component insertion colour coder
9524	electrolysis tester - electrical equipment manufacturing	9523	electronic component tester - electronic equipment manufacturing
9527	electrolytic anode changer	2241	electronic components inspection technician
9613	electrolytic cell cleaner	0113	electronic components purchasing chief
9414	electrolytic cell maker - concrete products	0113	electronic components purchasing director
9211	electrolytic cell operations foreman/woman - primary metal and mineral products processing	0113	electronic components purchasing manager
9525	electrolytic cell repairer - industrial electrical equipment	2244	electronic components technician, aircraft
9415	electrolytic cell tester - primary metal processing	9523	electronic components tester
9411	electrolytic cleaner operator - primary metal processing	9523	electronic control assembler
9411	electrolytic descaler - primary metal processing	2174	electronic control operator - electronic equipment manufacturing
9417	electrolytic etcher - metal machining	2171	electronic data processing (EDP) applications programmer
9611	electrolytic refiner helper - primary metal and mineral products processing	0213	electronic data processing (EDP) auditor
9231	electrolytic refinery process operator	2172	electronic data processing (EDP) manager
9411	electrolytic tank maintainer - primary metal and mineral products processing	2172	electronic data processing (EDP) specialist
9536	electrolytic tank tender	1422	electronic data processing (EDP) systems analyst
2253	electromechanical draftsman	6221	electronic data-processing (EDP) equipment operator
7301	electromechanical foreman/woman	1211	electronic data-processing (EDP) hardware and services sales representative
2241	electromechanical technician	2253	electronic data-processing (EDP) unit - supervisor
7301	electromechanical technicians foreman/woman	9472	electronic draftsman
4021	electromechanical technology teacher - college level	9523	electronic engraver
2241	electromedical equipment technician	9222	electronic equipment assembler - electronic equipment manufacturing
2142	electrometallurgical engineer	9222	electronic equipment fabricating and assembling foreman/woman
3217	electromyography (EMG) chief technologist		electronic equipment fabricating and assembling supervisor
3217	electromyography (EMG) technician		

9222	electronic equipment fabricating and assembling workers foreman/woman	2241	electronics design technologist
9523	electronic equipment inspector	2133	electronics engineer
2242	electronic equipment installation and repair supervisor	2241	electronics engineering design technologist
2241	electronic equipment maintenance technician	2241	electronics engineering technician
2241	electronic equipment repairer, hospital	2241	electronics engineering technologist
2242	electronic equipment repairer	9523	electronics equipment assembler
6221	electronic equipment salesperson - wholesale	9523	electronics inspector - electronic equipment manufacturing
9523	electronic equipment subassembler	2244	electronics inspector, aircraft
5222	electronic field production (EFP) camera operator	2244	electronics inspector, missiles
1423	electronic formatter	9222	electronics manufacturing foreman/woman
5241	electronic games designer	9523	electronics manufacturing shop worker
2242	electronic games repairer	9222	electronics manufacturing supervisor
2242	electronic games technician	2241	electronics manufacturing technician
9437	electronic gluing machine tender - woodworking	2241	electronics manufacturing technologist
9222	electronic inspection foreman/woman - electronics manufacturing	2244	electronics mechanic - avionics
9523	electronic instrument maker	2111	electronics physicist
9523	electronic keyboard assembler	2241	electronics production support technician
1423	electronic letterer operator	2241	electronics quality control troubleshooter
2242	electronic music equipment installer and repairer	2133	electronics research engineer
5222	electronic news gathering (ENG) camera operator	2111	electronics research scientist
5225	electronic news gathering (ENG) editor	6421	electronics salesperson - retail
9523	electronic office machines assembler	2242	electronics technician - consumer products
9523	electronic organ assembler	2242	electronics technician - household and business equipment
2242	electronic organ repairer	2241	electronics technician, drilling rigs
9523	electronic peripheral equipment assembler	2242	electronics technician, fire alarms
1423	electronic photocomposer operator	2241	electronics technician
1423	electronic phototypesetting machine operator	2241	electronics technologist, physics department
9472	electronic prepress technician	2133	electronics test engineer
9471	electronic printing machine operator	9523	electronics tester
2242	electronic products field service technician	9523	electronics-manufacturing process inspector
9523	electronic products moulder - electronic equipment manufacturing	9536	electroplasty equipment operator
0621	electronic products store manager	9536	electroplater operator
2241	electronic prototype technologist	9536	electroplater, metal
9472	electronic scanning machine operator, colour separation	9536	electroplater, production
2242	electronic service technician apprentice	9536	electroplater
2242	electronic service technician supervisor	9226	electroplating foreman/woman
1423	electronic sign maker operator - typesetting	9472	electroplating tank tender
9471	electronic sign maker operator	9472	electrostatic camera operator
2241	electronic systems tester	9536	electrostatic machine painter
4021	electronic technology teacher - college level	9536	electrostatic painter
9523	electronic unit inspector - electronic equipment manufacturing	9536	electrostatic painting line tender
5225	electronic video graphics operator	9536	electrostatic painting machine operator
7247	electronics apprentice - community antenna television	9536	electrostatic painting machine set-up operator
9523	electronics assembler	9411	electrostatic separator tender - primary metal processing
		2244	electrotechnician - avionics
		2244	electrotechnician, aircrafts and missiles - avionics
		2244	electrotechnician, missiles - avionics
		9472	electrotyper - printing
		9472	electrotyper and platemaker
		9619	elemental worker - packaging
		0413	elementary education director
		2111	elementary particle physicist

2111	elementary particle theorist	9418	embossing machine tender - explosives manufacturing
0413	elementary school education director	9437	embossing machine tender - woodworking
5211	elementary school librarian	9473	embossing press operator - printing
0422	elementary school principal	9473	embossing press tender - printing
4032	elementary school reading clinician	9471	embossing printer
4032	elementary school substitute teacher	9473	embossing/encoding machine tender - printing
4032	elementary school supply teacher	9471	embossing-imprinting machine operator
4032	elementary school teacher, English as a second language	9619	embroidered fabric connecting thread cutter tender
4032	elementary school teacher, French as a second language	5244	embroiderer, hand
4032	elementary school teacher, special education	5243	embroidery designer
4032	elementary school teacher	9619	embroidery frame mounter
4413	elementary school teacher's aide	9619	embroidery machine charger
4413	elementary school teacher's assistant	9442	embroidery machine operator
7521	elevating grader operator	9442	embroidery machine tender
7521	elevating scraper operator	5245	embroidery patternmaker
7318	elevator adjuster	9217	embroidery supervisor - fabric products
7318	elevator builder	9217	embroidery supervisor, fabric products
7301	elevator construction foreman/woman	2121	embryologist
7318	elevator constructor and mechanic apprentice	3413	(EMCA) emergency medical care attendant
7612	elevator constructor helper	1414	emergency admitting clerk
7318	elevator constructor	3012	emergency care nurse
7318	elevator constructor-mechanic	7244	emergency line repairer - electric power systems
7301	elevator constructors foreman/woman	4161	emergency management analyst
7318	elevator erector	0414	emergency management co-ordinator - government services
2262	elevator inspector	0414	emergency measures manager - government services
7318	elevator installer	3234	emergency medical assistant
7318	elevator maintenance mechanic	3234	emergency medical attendant (EMA)
7318	elevator mechanic apprentice	3413	emergency medical care assistant
7612	elevator mechanic helper	3413	emergency medical care attendant (EMCA)
7318	elevator mechanic (non-construction)	3234	emergency medical care technician, newborns
7318	elevator mechanic	1525	emergency medical dispatcher
6742	elevator operator	3413	emergency medical responder
7318	elevator repair mechanic	3234	emergency medical technician - paramedic/advanced care paramedic (EMT - P/ACP)
7318	elevator repairer	3234	emergency medical technician - primary care paramedic (EMT - PCP)
7301	elevators maintenance service supervisor	3234	emergency medical technician (EMT)
4212	eligibility co-ordinator - social assistance	3234	emergency medical technician, paramedic
4212	eligibility co-ordinator - welfare	3234	emergency medical technologist - paramedic (EMT-P)
8232	e-line operator - oil field services	3111	emergency medicine physician
4021	elocution teacher - non-medical	3111	emergency medicine specialist
9536	Elpo tank attendant	0311	emergency medicine, chief of
3234	EMA (emergency medical attendant)	3012	emergency nurse
6346	embalmer apprentice	3234	emergency paramedic
6346	embalmer	3111	emergency physician
4021	embalming teacher	4161	emergency preparedness planner
2173	embedded software engineer	0414	emergency response co-ordinator - government services
9619	emblem-fusing machine operator - garment manufacturing		
9437	embosser - woodworking		
9433	embossing calender operator - pulp and paper		
9441	embossing calender tender - textile manufacturing		
9537	embossing machine operator - footwear		
9437	embossing machine operator - woodworking		

7535	emergency road servicer, motor vehicle	1228	employment insurance benefits control officer
3413	emergency room aide		
3414	emergency room attendant	0012	employment insurance commissioner
0414	emergency safety manager - government services	1228	employment insurance officer
7244	emergency servicer - electric power systems	4164	employment insurance policy analysis officer
1525	emergency services dispatcher	4164	employment insurance policy analyst
7202	emergency team foreman/woman - telecommunications	0411	employment insurance regional manager - government services
1525	emergency vehicle dispatcher	4164	employment insurance services adviser
3414	emergency-entry attendant - hospital	1223	employment interviewer
3111	emergentologist	0112	employment manager
3217	EMG (electromyography) chief technologist	0125	employment office manager
3217	EMG (electromyography) technician	4156	employment outreach counsellor
3217	EMG (electromyography) technologist	4156	employment outreach program co-ordinator
0112	employee benefits director	4156	employment outreach program counsellor
0112	employee benefits manager	1121	employment practices officer
4167	employee fitness consultant	0411	employment programs director - government services
4167	employee fitness counsellor	4156	employment services assessment officer
1434	employee insurance clerk	4156	employment services officer
1121	employee relations officer	4164	employment standards specialist
1121	employee services officer	1223	employment supervisor
1121	employer-employee relations co-ordinator	3234	EMT (emergency medical technician)
0112	employer-employee relations manager	3234	EMT-P (emergency medical technologist - paramedic)
1121	employment adviser - human resources		
0013	employment agency general manager	9537	enamel applier - jewellery manufacturing
0125	employment agency manager	9536	enamel baker - manufacturing
0411	employment and insurance programs director - government services	9413	enamel burner - glass products manufacturing
0411	employment centre director	9537	enamel burner - jewellery manufacturing
1415	employment clerk	9537	enamel decorator - jewellery manufacturing
4156	employment consultant	9536	enamel dipper
4156	employment counsellor - government services	9536	enamel painter
4156	employment counsellor	5244	enameller - arts and crafts
1121	employment equity adviser - human resources	9536	enameller - industrial painting and coating
4164	employment equity adviser - social policy	9536	enameller - ship and boat building
0112	employment equity chief	9536	enameller, ceramic
4164	employment equity consultant	5244	enameller, electrical equipment
1121	employment equity co-ordinator	9536	enameller, hand
0112	employment equity director - human resources	9536	enameller, tin can dipping
0112	employment equity manager - human resources	9413	enameller
1121	employment equity officer	9536	enamelling furnace operator - glass products manufacturing
4164	employment equity policy analyst	5244	enamelling machine tender
0411	employment equity programs director - government services	9413	enamellist - arts and crafts
4156	employment group counsellor	9527	enamelware paint baker - glass products manufacturing
4164	employment initiatives co-ordinator	9422	encapsulator - electrical equipment manufacturing
1228	employment insurance agent	9437	encapsulator - plastic manufacturing
0012	employment insurance appeals board chairperson	3217	end bore operator - woodworking
1228	employment insurance benefit claims investigator	9437	END (electroneurodiagnostic) technologist
		9437	end matcher, sash and door - woodworking
		3111	end trimming and boring machine operator - woodworking
			end-boring machine operator - woodworking
			endocrinologist

0311	endocrinology, chief of	7532	engine room greaser - marine
3113	endodontist	7532	engine room greaser - water transport
0125	energy asset joint venture manager	7532	engine room mechanical assistant - ships
1225	energy asset joint venture representative	7532	engine room mechanical assistant, ship
1225	energy asset surface land analyst	9522	engine tester - automobile assembly
2132	energy conservation engineer	7315	engine tester, aircraft
4162	energy economist	9522	engine tester, automobiles - automobile assembly
9241	energy from waste plant operator	9226	engine testing foreman/woman (except aircraft)
0412	energy market analysis director - government services	2148	engineer in agronomy
4161	energy policy analyst	2274	engineer officer - water transport
0412	energy policy director - government services	2274	engineer officer, fishing vessel
4161	energy program officer	7361	engineer trainee, railway
9241	energy recovery incinerator plant operator	2134	engineer, adhesives
2263	enforcement officer - environmental health	2148	engineer, agroprocessing
2223	enforcement officer - forestry	2133	engineer, avionics
5222	ENG (electronic news gathering) camera operator	2148	engineer, bioelectrical
5225	ENG (electronic news gathering) editor	2148	engineer, biomechanical
9226	engine accessories assembly foreman/woman (except aircraft)	2148	engineer, biomedical
9526	engine accessories inspector	2134	engineer, biotechnology
7315	engine accessories overhaul mechanic	2142	engineer, ceramics
7532	engine and boiler room crew member - ships	2134	engineer, chemical processes
9536	engine and generator support painter	2134	engineer, coatings
9226	engine assembly foreman/woman (except aircraft)	2147	engineer, computer (except software)
9226	engine assembly supervisor (except aircraft)	2147	engineer, computer hardware
9522	engine block tester - motor vehicle manufacturing	2141	engineer, computer integrated manufacturing (CIM)
9522	engine dress assembler - motor vehicle manufacturing	2133	engineer, electrical distribution planning
9221	engine dress supervisor - motor vehicle manufacturing	2133	engineer, electrical energy transmission planning
9526	engine dynamometer tester	2133	engineer, electrical energy transmission
7612	engine fitter helper	2133	engineer, electronics
7316	engine fitter, aircraft	2148	engineer, food processing
9524	engine generator set assembler	2148	engineer, food technology
9522	engine inspector - motor vehicle manufacturing	2122	engineer, forest
7315	engine inspector, aircraft	2144	engineer, geological
9522	engine installer - motor vehicle manufacturing	2144	engineer, geophysical
9417	engine lathe set-up operator	2144	engineer, geotechnical
7321	engine mechanic - motor vehicle	2147	engineer, hardware
7315	engine mechanic, aircraft	2134	engineer, industrial hygiene
7301	engine overhaul foreman/woman	2133	engineer, instrumentation and control
7315	engine overhaul inspector, aircraft mechanical systems	2133	engineer, instrumentation
7315	engine overhaul mechanic, aircraft	2141	engineer, manufacturing
9226	engine rebuilding shop foreman/woman (except aircraft)	2142	engineer, materials
7315	engine repair and overhaul mechanic, aircraft	2132	engineer, mechanical design
7301	engine repair foreman/woman, boats	2143	engineer, mineral
7532	engine room crew member - ship	2143	engineer, mining
7532	engine room crew member, ship	2145	engineer, natural gas
		2147	engineer, network systems
		2132	engineer, nuclear operations
		2145	engineer, oil and gas drilling
		2147	engineer, optical communications hardware
		2147	engineer, optical communications
		7361	engineer, passenger train locomotive
		2145	engineer, petroleum production
		2145	engineer, petroleum well completion

2145	engineer, petroleum	0016	engineering vice-president - goods production, utilities, transportation and construction
2132	engineer, power generation	0015	engineering vice-president - television broadcasting services
2134	engineer, pulp and paper	0015	engineering vice-president - trade, broadcasting and other services
7361	engineer, railway locomotives	7622	engineer's assistant
2134	engineer, refinery	4031	English as a second language (ESL) high school teacher
2173	engineer, software	4032	English as a second language teacher - elementary school
2131	engineer, solid waste management	4021	English as a second language teacher (ESL) - college level
2131	engineer, surveying	4031	English as a second language teacher, high school
2147	engineer, telecommunications hardware	5122	English editor
2148	engineer, textile	4031	English literature high school teacher
2274	engineer, tugboat	4011	English professor - university
2134	engineer, waste treatment	4021	English teacher - business college
4011	engineering and architecture professor - university	4021	English teacher - college level
2232	engineering assistant, mechanical equipment	4032	English teacher - elementary school
1452	engineering clerk	4031	English teacher, secondary school
0211	engineering delivery chief	5244	engraver, hand
2262	engineering department inspector - local government	9537	engraver, machine - manufacturing
2262	engineering department inspector	5244	engraver, metal
0211	engineering department manager	9414	engraver, monuments - stone products
2253	engineering design and drafting technologist	5244	engraver, pantograph - arts and crafts
2253	engineering draftsman	9472	engraver, pictures - printing
6221	engineering equipment salesperson	9472	engraver, printing cylinders
0013	engineering firm president	9472	engraver, printing plates
2262	engineering inspector	9414	engraver, stonework - stone products
0211	engineering manager	9472	engraver, templates
2148	engineering physicist	9472	engraver-letterer
4011	engineering professor - university	7303	engravers foreman/woman (except photoengravers) - printing
0211	engineering research and development director	9472	engraver-transferrer
0013	engineering research general manager	9472	engraving foreman/woman (except photoengraving) - printing
2148	engineering scientist	9472	engraving machine operator - printing
0211	engineering service group manager	9537	engraving machine operator
0211	engineering service manager	9474	enlarger operator - photographic processing
0211	engineering service project manager	9474	enlarger, photographs
0211	engineering service quality assurance director	9474	enlarger, pictures - photographic processing
0211	engineering service quality assurance manager	0911	enologist
0211	engineering service quality control department director	6552	enquiries clerk
0211	engineering service quality control manager	9461	enrobing machine operator - food and beverage processing
0211	engineering service quality system manager	2272	enroute air traffic controller
0211	engineering service safety service director	9442	entering machine operator - textiles
0211	engineering service superintendent	5232	entertainer
6221	engineering supplies salesperson	1123	entertainment agent
2254	engineering survey technician	5123	entertainment columnist
2254	engineering survey technologist	5227	entertainment stage rigger
2241	engineering technologist - electrical power distribution	0513	entertainment, sports and leisure director
2271	engineering test pilot	0513	entertainment, sports and recreation director
0013	engineering vice-president - financial, communications and other business services	2221	entomological technician

2221	entomological technologist	2112	enzyme chemist
2121	entomologist, apiculture	9462	enzyme injector - food and beverage processing
2121	entomologist		enzymologist
6321	entremetier	2121	enzymology biologist
1454	enumerator	2121	epidemiologist (except physician and veterinarian)
9435	envelope flap gummer, machine - paper converting	2161	epidemiologist, veterinary
9435	envelope machine operator	3114	epidemiology worker - medical laboratory
9435	envelope machine tender - paper converting	3212	epoxy coater - electrical equipment manufacturing
9435	envelope maker operator	9527	epoxy coating machine operator - electrical equipment manufacturing
9435	envelope-flap-cutting machine setter		epoxy coating machine operator
9435	envelope-flap-gumming machine tender - paper converting	9527	epoxy encapsulator - electrical equipment manufacturing
9435	envelope-making machine operator	9527	epoxy-pouring machine operator
9435	envelope-making machine setter - paper converting	9527	equalizer operator - woodworking
1511	envelope-sealing and envelope-imprinting machine tender	9537	equilibrant
4161	environmental advisor (except engineer)	9437	equine veterinarian
2121	environmental and occupational toxicologist	5232	equipment chief - telecommunications
3413	environmental assistant - medical	3114	equipment cleaner - chemical processing
2121	environmental biologist	0131	equipment development technician
9524	environmental chamber fitter-assembler	9613	equipment installer and repairer - telecommunications
2134	environmental chemical engineer	2232	equipment inventory clerk
2112	environmental chemist	7246	equipment manager
4161	environmental consultant (except engineer)	1524	equipment mechanic, nuclear power station
4161	environmental education consultant	0113	equipment operator - municipal public work
2134	environmental engineer, chemical	7311	equipment operator, heavy-duty
2131	environmental engineer, civil	7522	equipment operator, railway
2131	environmental engineer	7521	equity trader
2161	environmental epidemiologist	7531	erecting engineer
2113	environmental geologist	1113	erector, diesel engines
0423	environmental group director	2131	erector, electric signs
2263	environmental health and safety technician	9526	erector, highway signs
2263	environmental health and safety technologist	7441	erector, iron structure
2263	environmental health inspector	7611	erector, neon signs
2263	environmental health inspectors supervisor	7236	erector, precast concrete
2263	environmental health officer	7441	erector, scaffold
2263	environmental health officers supervisor	7611	erector, sign
0411	environmental health services director - government services	7441	erector, steelwork - underground mining
4161	environmental impact analyst	8411	erector, structural iron
4161	environmental issues lobbyist	7236	ergonomic products designer
4161	environmental lobbyist	2252	ergonomics consultant
3111	environmental medicine specialist	4161	ergonomics specialist
2263	environmental officer	4161	ergonomist
2153	environmental planner	4161	erotic dancer
4161	environmental program co-ordinator	5232	escalator inspector
4161	environmental program development supervisor	2262	escalator installer
4161	environmental program manager	7318	escalator installer-repairer
0212	environmental science manager	7318	escalator mechanic (non construction)
3413	environmental support person - medical	7318	escalator repairer
9243	environmental systems operator - water treatment	7318	escalator repairman/woman
2231	environmental technician	0651	escort agency manager
2121	environmental toxicologist	5125	escort interpreter
		6531	escort, tour

6531	escort, travel	0822	evergreen grower
6564	escort	5221	evidence photographer - forensic
4031	ESL (English as a second language) high school teacher	4311	evidence technician - police
4021	ESL (English as a second language) teacher - college level	9462	eviscerator, animals - meat packing plant
5121	essayist	9462	eviscerator, poultry
6531	establishment guide	3217	evoked potential (EP) technologist
1242	estate administrative assistant	1221	exam invigilator, post-secondary institution
1114	estate administrator	1221	exam proctor, post-secondary institution
1114	estate and trust administrator	1221	exam supervisor, post-secondary institution
1114	estate executor	9522	examiner, cars - motor vehicle manufacturing
1242	estate secretary	1228	examiner, citizenship registration
0651	esthetic services manager	1114	examiner, credit unions
3111	esthetic surgeon	5227	examiner, duplicate film - motion pictures and broadcasting
6562	esthetician	1114	examiner, financial institutions
1114	estimates and programs controller	8431	examiner, fruit - agriculture
2234	estimator, building construction	2263	examiner, mines
2234	estimator, construction cost	9474	examiner, motion picture film - photographic processing
2234	estimator, construction	5227	examiner, motion pictures
1225	estimator, media	9522	examiner, water leaks - motor vehicle manufacturing
2234	estimator, trade contractors - construction	7302	excavating and grading labour foreman/woman
9472	etcher - printing	7302	excavating contractor
5136	etcher - visual arts	7312	excavating equipment mechanic
9523	etcher and plater, quartz crystals - electronic equipment manufacturing	7302	excavating equipment operators foreman/woman
9619	etcher helper - printing	7521	excavating machine operator
9417	etcher, aircraft parts	7302	excavating, grading and paving foreman/woman
9417	etcher, electrolytic - metal machining	7302	excavating, grading and related work foreman/woman
9417	etcher, firearms	7611	excavation labourer
9537	etcher, optical glasses	7611	excavation worker
9472	etcher, photoengraving - printing	7302	excavations superintendent
9472	etcher, platemaking	7302	excavator foreman/woman
9523	etcher, printed circuit board (PCB)	7535	excavator oiler
9472	etching corrector	7521	excavator operator
4031	ethics teacher - secondary school	9434	excelsior machine tender
6322	ethnic food cook	4212	exceptional-child-care worker (except day care)
4311	ethnic relations officer - police	7246	exchange installer and repairer - telecommunications
4169	ethnographer	1434	exchange rate clerk - financial sector
4169	ethnologist	7246	exchange tester - telecommunications
5112	ethnology curator	7246	exchange tester
5112	ethnology museum curator	1228	excise duty agent
2121	etiologist	1228	excise duty officer
6561	etiquette consultant	1228	excise duty supervisor
4169	etymologist	1228	excise examiner
4164	evaluation officer, job creation and employment services	1228	excise tax collection supervisor
9415	evaluator, uranium ore	1228	excise tax collector
4154	evangelist	1228	excise tax inspector
9212	evaporator foreman/woman - chemical processing	1228	excise tax officers supervisor
9421	evaporator operator - chemical processing	0412	excise tax programs director - government services
9461	evaporator operator - food processing		
9432	evaporator tender - pulp and paper		
1226	event co-ordinator		
1123	event marketing specialist		
1226	event planner		

0012	executive administrator - government agency	0015	executive vice-president - metal and metal products wholesaler
0012	executive administrator - government department	0016	executive vice-president - railway
1222	executive assistant	0015	executive vice-president - trade, broadcasting and other services
6321	executive chef	0013	executive vice-president, real estate agency
0012	executive director - emergency preparedness	1114	executor, estate
0013	executive director - financial, communications and other business services	4217	exegete
0016	executive director - goods production, utilities, transportation and construction	6421	exercise equipment consultant - retail
0012	executive director - government services	3144	exercise physiologist
0014	executive director - health, education, social and community services and membership organizations	3144	exercise therapist
0015	executive director - trade, broadcasting and other services	8431	exerciser, racehorse
0014	executive director, alumni association	9523	exhaust and sealing machine operator
0014	executive director, arts association	9523	exhaust equipment setter - electronic equipment manufacturing
0014	executive director, association	5243	exhibit and display designer
0014	executive director, automobile association	5243	exhibit designer - museums and art galleries
0014	executive director, crafts guild	5243	exhibit designer
0013	executive director, credit union	5212	exhibit designers supervisor
0014	executive director, environmental group	5212	exhibit officer - museum
0014	executive director, health services institution	5212	exhibit preparator
0014	executive director, hospital	5212	exhibit technician
0511	executive director, museum	1226	exhibition co-ordinator
0014	executive director, NGO (non-governmental organization)	5243	exhibition designer - museums and art galleries
0014	executive director, non-governmental organization (NGO)	5232	exotic dancer
0014	executive director, nurse's association	3222	expanded duty dental hygienist
0014	executive director, professional association	3222	expanded duty dental nurse
0014	executive director, recreational association	9416	expanding machine operator - metal products manufacturing
0513	executive director, sport governing agency	9423	expansion joint builder - rubber products manufacturing
0513	executive director, sport governing body	9423	expansion joint finisher - rubber products manufacturing
0014	executive director, teacher's federation	7514	expedite driver
0014	executive director, voluntary organization	6711	expediter - food services
0014	executive director, YMCA	1523	expediter, purchasing
0014	executive general manager - health, education, social and community services and membership organizations	1523	expediter
6312	executive housekeeper	1431	expenditure clerk
2271	executive pilot	7315	experimental aircraft mechanic
0512	executive producer, films and videos	0212	experimental farm superintendent
1223	executive recruiter	4164	experimental home economist
1241	executive secretary (except legal and medical)	2111	experimental physicist
6321	executive sous-chef	4151	experimental psychologist
0013	executive vice-president - financial, communications and other business services	2271	experimental test pilot
0016	executive vice-president - goods production, utilities, transportation and construction	9423	experimental tire manufacturing inspector
0014	executive vice-president - health, education, social and community services and membership organizations	2145	exploitation engineer - oil and gas
		2145	exploitation engineer - petroleum
		2143	exploration engineer, mines
		2113	exploration geologist
		2113	exploration geophysicist
		7384	explosive ordnance detector
		9537	explosive primer inspector
		9421	explosive primers dryhouse attendant - chemical processing
		9421	explosive primers dryhouse tender - chemical processing

1215	explosives and ammunition magazine foreman/woman	5135	extra, performing arts
1522	explosives and ammunition magazine keeper	3214	extracorporeal circulation technologist
2134	explosives engineer	3214	extracorporeal technician
7452	explosives handler	3214	extracorporeal technologist
1215	explosives magazine foreman/woman	9461	extract maker - food and beverage processing
9421	explosives mixer tender	2142	extractive engineer
9421	explosives mixer	2115	extractive metallurgist
7452	explosives packer	2142	extractive metallurgy engineer
9232	explosives senior operator	6741	extractor operator - laundry and dry cleaning
7511	explosives truck driver	9421	extractor operator, phenol
6411	export company sales representative	9421	extractor operator, phosphoric acid
6221	export company technical sales specialist	9441	extractor tender - textile manufacturing
1452	export documentation clerk	4168	extraparlimentary commission officer
0412	export programs manager - government services	9611	extruder helper - primary metal processing
0601	export sales manager	9414	extruder operator - concrete, clay and stone products
6411	export sales representative	9422	extruder operator - plastic manufacturing
1122	export trade consultant	9423	extruder operator - rubber products manufacturing
1521	export traffic clerk	9422	extruder operator, plastic pipes
0731	export traffic manager	9418	extruder operator, welding rods
1215	export traffic supervisor	9611	extruder tender - mineral products processing
1521	export-booking clerk		
6411	exporter	9418	extruder tender, welding rods
1452	exports clerk	9211	extruding foreman/woman - primary metal and mineral products processing
6552	express and freight information clerk		
1511	express mail service clerk	9211	extruding foreman/woman - primary metal processing
1511	express service clerk - railway		
7452	express service handler (except air transport)	9615	extruding machine helper - rubber and plastic products manufacturing
1227	expropriation officer	9422	extruding machine operator - plastic manufacturing
3124	extended class registered nurse - nurse practitioner	9423	extruding machine operator - rubber products manufacturing
8411	extensible conveyor belt assembler - underground mining	9214	extruding supervisor - rubber and plastic products manufacturing
2223	extension forest ranger		
2122	extension forester	9422	extrusion blow moulding operator
4164	extension home economist	7232	extrusion die template maker
2223	extension ranger - forestry	9423	extrusion finisher - rubber products manufacturing
2123	extension service agronomist		
2223	extension technician, forestry	9214	extrusion foreman/woman - rubber and plastic manufacturing
7611	exterior cladder helper		
7441	exterior cladder	9611	extrusion helper - primary metal processing
7284	exterior plasterer	9422	extrusion machine operator - plastic manufacturing
5226	exterior set manager		
5226	exterior shooting director	9411	extrusion press operator
9526	exterior trailer finisher	9214	extrusion supervisor - rubber and plastic products manufacturing
7441	exterior trimmer - building		
7205	exterminating service supervisor	3111	eye specialist
7444	exterminator, pests	9537	eyeglass frame assembler
7444	exterminator	9537	eyeglass frame cutter
9417	external cylindrical grinder set-up operator	9537	eyeglass frame inspector and sorter
9417	external cylindrical-grinder operator	9537	eyeglass frame maker
0124	external relations director	9537	eyeglass frame polisher
5226	extra wrangler - motion pictures, broadcasting and performing arts	9619	eyeglass frame trimmer
		9537	eyeglass lens mounter

9537	eyeglass lenses edger tender - non-prescription	7311	fabric-shearing machine setter-fixer - textile manufacturing
9619	eyeglass pad cementer	8221	face boss - underground mining
3231	eyeglasses fitter	5232	face painter
3231	eyeglasses frame fitter	8231	faceman/woman - coal mine
9537	eyelet-punching machine tender	9437	facer operator - woodworking
F			
5244	fabric artisan	6562	facial treatment operator
5244	fabric artist	1122	facilitator, conference
9445	fabric cutter - fabric products manufacturing	5243	facilities designer
9445	fabric cutter	0714	facilities maintenance head
2233	fabric design technologist	7246	facilities man/woman - telecommunications
5243	fabric designer	0131	facilities manager, telecommunications
9441	fabric dyer	6721	facilities porter
9447	fabric examiner	7246	facilities wirer - telecommunications
9447	fabric grader	0714	facility maintenance manager
9537	fabric hat assembler	0714	facility management director
9447	fabric inspector	0714	facility manager, country grain elevator
9521	fabric installer-repairer - aircraft assembly	0714	facility operations manager
9447	fabric manufacturing inspector	7246	facsimile equipment installer
9445	fabric marker	9533	factory assembler, wood products
9446	fabric mender	6733	factory cleaner
9441	fabric printer	8261	factory freezer trawler captain
9217	fabric products embroidery supervisor	2274	factory freezer trawler chief marine engineer
9446	fabric repairer	2274	factory freezer trawler first engineer
6421	fabric salesperson - retail	2274	factory freezer trawler second engineer
9447	fabric sampler	9446	factory hat sewer
0621	fabric store manager	9619	factory helper
9612	fabrication shop helper - metal products	9619	factory labourer - manufacturing
7237	fabrication welder	9619	factory labourer, garments
7235	fabricator - structural metal	6733	factory maintenance man/woman
7235	fabricator and fitter, platework	7612	factory maintenance mechanic helper
7235	fabricator, metal - structural metal and platework	7311	factory maintenance mechanic
7235	fabricator, metal	0911	factory superintendent
9523	fabricator, microelectronic circuits	6531	factory tour guide
9535	fabricator, plastic coating	0421	faculty administrator
9535	fabricator, plastic packing	0421	faculty of arts dean
9535	fabricator, plastic piping	0421	faculty of science dean
9535	fabricator, plastic products	4217	faith healer
7235	fabricator, platework	8421	faller - logging
9414	fabricator, quartzware - stone products	8421	faller and buckler - logging
9537	fabricator, reflective signs	8421	faller and buckler, hardwood
7235	fabricator, steel - structural metal and platework	8421	faller
7235	fabricator, steel	0411	family and children's services director - government services
7235	fabricator, structural metal	4112	family and estates lawyer
7235	fabricator, structural steel	0411	family benefits director - government services
9533	fabricator, wooden modular housing	4412	family caregiver
9441	fabric-printing machine operator	4411	family child care provider
7311	fabric-shearing machine fixer - textile manufacturing	4153	family counsellor
7311	fabric-shearing machine setter - textile manufacturing	1227	family court administrator
		4111	family court judge
		1227	family court registrar
		1227	family court supervisor
		3112	family doctor
		4211	family law clerk
		1242	family law legal assistant

4211	family law paralegal	8431	farm worker, grain
3112	family physician	8431	farm worker, hogs
4153	family planning counsellor	8431	farm worker, mushrooms
3112	family practitioner	8431	farm worker, pheasants
0423	family resources director	8431	farm worker, poultry
4212	family service worker	8431	farm worker, sugar-beets
0423	family services area manager	8431	farm worker, tobacco
0411	family services director - government services	8431	farm worker, vegetables
		8431	farm worker
4152	family social worker	8252	farm workers supervisor
4153	family therapist (FT)	0821	farmer (except nursery and fish farm)
4153	family therapist	0821	farmer, beef cattle
4164	family violence prevention program adviser	0821	farmer, grain and oilseed
4412	family worker - home care	0821	farmer, hog
9446	fancy stitch machine operator	0821	farmer, poultry - egg production
9537	fancy wire drawer - jewellery manufacturing	0821	farmer, sheep
6742	fare box collector	0821	farmer, sugar beet
7445	farebox repairer	2123	farming consultant
7384	farm blacksmith	7384	farrier
8252	farm boss	8431	farrowing technician
8252	farm business foreman/woman	6561	fashion and wardrobe consultant
4162	farm economist	6561	fashion colour analyst
9526	farm equipment assembly inspector	6561	fashion colour consultant
7312	farm equipment mechanic	5123	fashion columnist
8431	farm equipment operator	6561	fashion consultant
7301	farm equipment repair foreman/woman	5243	fashion co-ordinator
6221	farm equipment salesperson	4021	fashion design teacher - CEGEP
7312	farm equipment technician	5243	fashion designer
8252	farm foreman/woman	5243	fashion goods co-ordinator
8431	farm hand	5243	fashion goods exhibit co-ordinator
0621	farm heavy equipment dealership manager	5241	fashion illustrator
9526	farm implement assembler	5232	fashion model
8252	farm irrigating system contractor	5221	fashion photographer
8431	farm labourer, grain	0421	fashion school general manager
8431	farm labourer	5231	fashion show commentator
7316	farm machinery builder	5243	fashion stylist
9526	farm machinery dismantler	4021	fashion teacher - college level
7316	farm machinery fitter	5243	fashion wear designer
9226	farm machinery inspection foreman/woman	7514	fast food delivery driver
7312	farm machinery mechanic	0631	fast food restaurant manager
8431	farm machinery operator	9537	fastener, shoe parts
6221	farm machinery salesperson	9437	fastener-driver operator - woodworking
2123	farm management consultant	6711	fast-food preparer
0821	farm manager	6711	fast-food service attendant
8252	farm operation foreman/woman	7452	fats and oils loader
8252	farm operation supervisor	6741	feather renovator
8252	farm produce grading service contractor	9619	feather washer and dryer
8252	farm produce packing service contractor	5122	feature editor
0412	farm products marketing director - government services	5123	feature reporter
		5121	feature writer
8252	farm supervisor	4168	federal and intergovernmental affairs research officer - government services
7312	farm tractor mechanic		federal court justice - trial division
7312	farm tractor repairer	4111	federal court justice
1313	farm underwriter - insurance	4111	Federal Court of Appeal justice
3114	farm veterinarian	4111	federal trial court justice
8431	farm worker, fruit	4111	federal trial court justice
8431	farm worker, general	0414	federal-provincial relations chief

0414	federal-provincial relations director	8431	feedyard worker
4168	federal-provincial relations officer	8421	feller - logging
0016	feed and flour mills general manager	8241	feller buncher operator
9461	feed batch mixer - food and beverage processing	8241	feller delimber operator
7452	feed mill loader	8241	feller forwarder operator
9461	feed mill production worker	8421	feller
9461	feed miller - food and beverage processing	7312	felling equipment mechanic
9213	feed milling foreman/woman	9445	felt cutter, machine
9461	feed mixer - food and beverage processing	9441	felt dryer - textile manufacturing
6411	feed product sales representative	9616	felt goods labourer
9465	feed tester - food and beverage processing	9537	felt hat finisher
9619	feeder - printing	9217	felt hat finishing room foreman/woman
9614	feeder - wood processing	9616	felt press machine tender
9423	feeder mill operator - rubber products manufacturing	9442	felt press tender - textiles
9241	feeder switchboard apprentice operator - electrical power systems	9442	feltting machine tender
9241	feeder switchboard operator - electrical power systems	9442	felt-making machine operator
9612	feeder, brazing machine	7441	fence builder, rail
9611	feeder, cold mill - primary metal processing	7441	fence builder
9611	feeder, cold rolling mill - primary metal processing	7205	fence contractor
9437	feeder, cylinder sander - woodworking	7441	fence erector, basket weave
9619	feeder, folding machine - printing	7441	fence erector, chain link
9611	feeder, furnace - primary metal and mineral products processing	7441	fence erector, louvred
9418	feeder, knurling machine	7441	fence erector, metal
9619	feeder, lithographic offset press	7441	fence erector, wire
9614	feeder, logs	7441	fence erector, wood
9619	feeder, machine	7441	fence erector
9615	feeder, opening machine - rubber products manufacturing	7441	fence installer
9537	feeder, optical lens edger - non-prescription	9418	fence-making machine operator, wire mesh
9619	feeder, pencil-tipping machine	5251	fencer
9437	feeder, planer - woodworking	5254	fencing instructor
9619	feeder, pressing machine - garment manufacturing	6564	feng shui practitioner
9619	feeder, printing press	9465	fermentation inspector, wineries
9615	feeder, rubber-cutting machine	9461	fermentation process operator - food and beverage processing
9437	feeder, sanding machine - woodworking	9461	fermenter - tobacco processing
9619	feeder, screen printing machine	9461	fermenter operator
9435	feeder, slitter-creaser - paper converting	2112	fermentologist
9612	feeder, soldering machine	6722	ferris wheel operator
9616	feeder, textile machines	0731	ferry operations manager
9619	feeder, tubulating machine - glass products manufacturing	7533	ferry operator
9619	feeder, vacuum bottle exhaust machine	0731	ferry superintendent
9619	feeder, wood products machine	7533	ferry terminal attendant
9619	feeder, woodworking machine	7533	ferry terminal worker
8431	feedlot assistant	2273	ferryboat captain
0821	feedlot farmer	7532	ferryboat deckhand
8252	feedlot foreman/woman	2273	ferryboat first mate
8252	feedlot herd attendant	2273	ferryboat master
8431	feedlot worker	2273	ferryboat operator
8431	feedyard assistant	8252	fertilization service contractor - agriculture
		9232	fertilizer maker, phosphate process
		9421	fertilizer mixer
		1226	festival organizer
		9611	fettler - clay products manufacturing
		9441	fibre classer
		9447	fibre examiner - textiles
		7205	fibre glass insulation specialists
			foreman/woman

9447	fibre grader - textiles	2123	field service adviser - agriculture
9447	fibre inspector - textiles	2123	field service agent - agriculture
7205	fibre insulators foreman/woman	0132	field service manager - postal and courier services
9441	fibre mixer		
7245	fibre optic cable splicer	2242	field service technician - household and business equipment
2241	fibre optics technician		
2241	fibre optics technologist	2242	field service technician, electronic products
9537	fibre strap machine tender	2263	field supervisor - occupational health and safety
9441	fibre washer		
9421	fibreglass binder mixer	3234	field supervisor, ambulance services
9531	fibreglass boat assembler	8222	field supervisor, oil well servicing
9227	fibreglass boat foreman/woman	0421	field teaching co-ordinator
9531	fibreglass boat inspector and finisher	2231	field technician, air pollution
9535	fibreglass filter assembler	8611	field-grown crop farm labourer - harvesting
9535	fibreglass inspector	8252	field-grown crop foreman/woman
7293	fibreglass insulation installer	8252	field-grown crop workers foreman/woman
9535	fibreglass laminator	9614	fifth hand - pulp and paper
9535	fibreglass layup man/woman - plastic manufacturing	9241	fifth-class stationary engineer
		5251	figure skater
9535	fibreglass layup worker - plastic manufacturing	5252	figure skating coach
		5253	figure skating evaluator
9422	fibreglass machine operator - plastic manufacturing	5253	figure skating judge
		9536	filament coater
9422	fibreglass moulder	9524	filament mounter, hand
9611	fibreglass oven helper	9523	filament stem inspector - electronic equipment manufacturing
9214	fibreglass plastics foreman/woman		
9214	fibreglass plastics processing supervisor	9523	filament tester - electronic equipment manufacturing
9441	fibreglass roving winder		
9415	fibreglass tester	1411	file and classification clerk
7311	fibreglass-forming machine repairer	1411	file clerk
9422	fibreglass-spraying machine operator	9417	file cutter - metal machining
2147	fibre-optic network designer	9417	file maker - metal machining
5121	fiction writer	1122	file manager
1312	field adjuster - insurance	9472	file preparation operator
6231	field agent - insurance	7384	filer, circular saws
8431	field and vegetable crop labourer	7384	filer, forest products saws
1111	field auditor - finances	9612	filer, hand - metal products manufacturing
1228	field auditor - taxation	9537	filer, jewellery
9525	field coil taper - industrial electrical equipment	1451	filer, photographs - library
		9537	filigree finisher
8252	field crop and vegetable workers foreman/woman	9537	filigree wire drawer - jewellery manufacturing
		1511	filing clerk, mail
8431	field crop and vegetable-growing worker	1411	filing clerk
8252	field crop foreman/woman	1211	filing clerks supervisor
2221	field crop technician	1211	filing service supervisor
2221	field crop technologist	1122	filing systems analyst
0911	field director - manufacturing	8221	fill foreman/woman - underground mining
7442	field measurement hand - utilities	8221	fill foreman/woman
7612	field mechanic helper	9617	filler - food and beverage processing
7312	field mechanic, heavy equipment	9617	filler, animal feed sacks
2223	field office supervisor - forestry	9527	filler, electrical lead acid storage batteries
4212	field officer, veterans' affairs	9414	filler, moulds - clay products
9432	field operator - pulp and paper	9619	filler, sporting goods
5123	field reporter	9619	filler, stamps
4164	field representative - housing	9535	filler-stripper, moulds - plastic manufacturing
0601	field sales manager	9463	fillet chopper - fish processing
6411	field salesperson - wholesale	9463	filleting machine operator - fish processing

9463	filleting machine setter - fish processing	9474	film-printing machine tender
9616	filling carrier - textile processing	9474	film-processing machine operator
9463	filling machine operator - fish and seafood products	9537	film-processing unit assembler
9461	filling machine setter - food and beverage processing	1451	films and recordings library clerk
9461	filling machine set-up man/woman - food and beverage processing	7303	filmsetter operators supervisor
9527	filling machine tender - electrical equipment manufacturing	7303	filmsetters supervisor
6621	filling station attendant	9523	filter assembler - electronic equipment manufacturing
0512	film and video executive producer	9537	filter assembler
9472	film assembler	9461	filter cigarette machine tender
5222	film camera operator	9613	filter cleaner - chemical processing
5222	film cameraman/woman	9611	filter leaves cleaner - primary metal and mineral products processing
6421	film counter clerk	9232	filter operator - petroleum, gas and chemical processing
5123	film critic	9211	filter plant foreman/woman - primary metal and mineral products processing
9619	film cutter - film processing	9243	filter plant operator - water treatment
9474	film developer	9421	filter press tender - chemical processing
7303	film developers foreman/woman	9461	filter rod machine operator - tobacco products
7303	film developers supervisor	9465	filter tip inspector - tobacco processing
5131	film director	9611	filtering attendant - primary metal and mineral products processing
5135	film dubber	9432	filterman/woman - pulp and paper
5131	film editor	9613	filtration helper - chemical processing
1411	film filing clerk	9243	filtration plant controller - water treatment
5226	film location manager	9525	final assembler, electrical control panel
9619	film mounter - film processing	9619	final assembler, garment manufacturing
9619	film numberer - film processing	9222	final assembly and testing foreman/woman - electronic equipment manufacturing
7303	film printers foreman/woman	9222	final assembly and testing supervisor - electronic equipment manufacturing
7303	film printing foreman/woman	9537	final assembly inspector, watches
9474	film printing machine operator	9536	final colour production painter
7303	film printing supervisor	9522	final inspector, automobiles - automobile assembly
7303	film processing foreman/woman	9532	final inspector, furniture assembly
7303	film processing supervisor	9447	final inspector, garments
9474	film processing technician	9526	final inspector, snowmobile
9474	film processor	9526	final inspector, truck trailer
7303	film processors foreman/woman	9521	final-assembly inspector - aircraft assembly
7303	film processors supervisor	9521	final-assembly inspector, aircraft
5131	film producer	9221	final-assembly supervisor - motor vehicle manufacturing
0512	film production manager	9523	final-assembly tester - electronic equipment manufacturing
5227	film projectionist	0114	finance and administration director
5227	film quality inspector	0013	finance and administration vice-president - financial, communications and other business services
6421	film rental clerk	0016	finance and administration vice-president - goods production, utilities, transportation and construction
9472	film sizer	0014	finance and administration vice-president - health, education, social and community services and membership organizations
9474	film splicer - photographic processing		
9613	film spooler		
9472	film stripper and layout specialist - printing		
9472	film stripper specialist - printing		
9472	film stripper		
9472	film stripper-assembler - printing		
9472	film stripper-assembler		
5225	film technician - motion picture		
5225	film technician		
9617	film-coating machine tender - tobacco products		
9474	film-developing machine tender		
5131	filmmaker		

0015	finance and administration vice-president - trade, broadcasting and other services	1114	financial management officer - pension plan analysis
1112	finance and commercial affairs analyst	1114	financial management officer - program budgeting
0111	finance and control manager	1114	financial management officer
1114	finance and credit administrator - international banking	0111	financial manager
0111	finance chief	4162	financial market economist
1431	finance clerk	5122	financial news editor
0111	finance director	1311	financial officer
0111	finance manager	1114	financial planner - personal finances
1311	finance officer	1114	financial planner
1241	finance secretary	0111	financial planning and advisory service manager
0013	finance vice-president - financial, communications and other business services	0111	financial planning and analysis manager
0015	finance vice-president - food wholesaling	0111	financial planning and reporting director
0016	finance vice-president - goods production, utilities, transportation and construction	0111	financial planning and reporting manager
0014	finance vice-president - health, education, social and community services and membership organizations	5123	financial reporter
0013	finance vice-president - holding company	0111	financial resources service co-ordinator
0016	finance vice-president - mining company	6235	financial sales and service officer
0015	finance vice-president - trade, broadcasting and other services	6235	financial sales and service supervisor
1111	financial accountant	1114	financial services consultant
1212	financial accounting supervisor	0122	financial services manager
0111	financial administrator	6235	financial services officer
1221	financial aid officer	6235	financial services representative
1112	financial analysis consultant	6411	financial services sales representative
1112	financial analyst	6411	financial services salesperson
0114	financial and administrative services chief	2161	financial statistician
1221	financial assistance co-ordinator - college or university	1114	financial underwriter
4212	financial assistance officer - social assistance	0111	financing and administration director
1221	financial assistance officer	1123	financing officer - fundraising
4212	financial assistance worker - social services	9537	findings attacher - jewellery manufacturing
0111	financial audit manager	5112	fine art and polychrome conservator
1111	financial auditor	5113	fine arts archivist
1113	financial broker	4011	fine arts professor - university
0121	financial brokerage manager	4021	fine arts teacher - college level
1434	financial clerk - financial sector	4031	fine arts teacher - secondary school
1435	financial collector	1213	fingerprint classifier supervisor
0111	financial control manager	1253	fingerprint classifier
1111	financial control officer	1452	fingerprint clerk
1212	financial control supervisor	4215	finger-spelling teacher
0111	financial controller	7271	finish carpenter
6551	financial customer service representative	7204	finish carpenters foreman/woman
0111	financial director	9612	finish grinder - metal products manufacturing
4162	financial economist	7204	finish joiners foreman/woman
5122	financial editor	5221	finish photographer
0111	financial evaluations director	9437	finish planer operator - woodworking
1114	financial institutions examiner	7284	finish plasterer
1114	financial institutions inspector	9522	finished assembled vehicle inspector - motor vehicle manufacturing
1431	financial investigation clerk	9536	finished enamel sprayman/woman
1114	financial investigator	9523	finished product inspector - electronic equipment manufacturing
		9536	finished vehicle paint repairman/woman
		9414	finisher - concrete, clay and stone products
		9534	finisher - furniture finishing
		6741	finisher - laundry and dry cleaning
		9411	finisher - primary metal processing

9433	finisher - pulp and paper	9214	finishing and trimming supervisor - rubber and plastic products manufacturing
9441	finisher - textile manufacturing	9217	finishing department foreman/woman - fabric, fur and leather products manufacturing
9534	finisher and repairer, furniture	9217	finishing department foreman/woman - textile processing
7611	finisher helper, terrazzo	9217	finishing department supervisor - textile processing
7445	finisher, archery bows - sporting goods manufacturing	9522	finishing department technician - motor vehicle manufacturing
3219	finisher, artificial limbs	7303	finishing foreman/woman - printing
9418	finisher, asbestos-covered wires	9415	finishing inspector - primary metal and mineral products processing
9535	finisher, cellophane - plastic manufacturing	9447	finishing inspector - textiles
7282	finisher, cement	9534	finishing machine operator - furniture manufacturing
9611	finisher, clay products	9473	finishing machine operator - printing
9537	finisher, clocks and watches	9441	finishing machine operator - textile manufacturing
9537	finisher, clocks	9441	finishing range operator - textile manufacturing
9524	finisher, coils - electrical equipment manufacturing	9536	finishing roller industrial painter
7282	finisher, concrete floors	9224	finishing room foreman/woman - furniture and fixtures manufacturing
7282	finisher, concrete products	9214	finishing supervisor - plastic products manufacturing
7282	finisher, concrete	7303	finishing supervisor - printing
9533	finisher, doors - wood products manufacturing	9214	finishing supervisor - rubber products manufacturing
7284	finisher, drywall	9217	finishing supervisor - textiles
9537	finisher, felt hats	2242	fire alarm electronics technician
9537	finisher, filigree	1525	fire alarm operator
9612	finisher, foundry moulds	2242	fire alarm systems installer and servicer
9534	finisher, frame mouldings - furniture manufacturing	8221	fire boss - mining
9534	finisher, furniture	7281	fire brick layer
9414	finisher, greenware - clay products	7281	fire brick liner repairer
9537	finisher, hats	4312	fire captain
9537	finisher, jewellery wire	0432	fire chief
9612	finisher, metal castings	2223	fire crew leader - forestry
9535	finisher, moulded plastic	8422	fire crewman/woman
9437	finisher, packing trunk panels - woodworking	0432	fire department assistant deputy chief
9433	finisher, paper rolls - pulp and paper	0432	fire department assistant manager
9474	finisher, photos	0432	fire department chief
9414	finisher, pipes - clay products	1525	fire department dispatcher
9535	finisher, plastic products	0432	fire department division chief
9535	finisher, plastic sheets	0432	fire department duty officer
9474	finisher, prints - photographic processing	4312	fire department platoon chief
9535	finisher, radomes - plastic manufacturing	7445	fire equipment repairer
9423	finisher, rubber V-belts	7612	fire equipment servicer helper
9537	finisher, sleeping bags	7445	fire equipment servicer
9414	finisher, surface plates - concrete, clay and stone products	7445	fire extinguisher repairer
9537	finisher, tarpaulins	9423	fire hose curer rubber
9537	finisher, tents	9423	fire hose maker, rubber
9526	finisher, trailer exteriors	4312	fire inspector
9612	finisher, wires	1312	fire insurance adjuster
9534	finisher, wood - furniture finishing and refinishing	6231	fire insurance agent
9533	finisher, wooden golf club heads		
9535	finisher-grinder - plastic manufacturing		
9619	finisher-sander - furniture manufacturing		
9619	finisher-trimmer - footwear manufacturing		
9214	finishing and trimming foreman/woman - rubber and plastic manufacturing		

6231	fire insurance salesman/woman	3413	first aid attendant - emergency
4312	fire lieutenant	3413	first aid attendant
8422	fire lookout	4216	first aid instructor
0012	fire marshal	3012	first aid nurse
2271	fire patrol pilot	0311	first aid services director
7252	fire prevention and automatic suppression systems installer	6322	first cook
2141	fire prevention engineer	2274	first engineer, factory freezer trawler
4312	fire prevention officer	2274	first engineer, self-propelled drilling rig
7293	fire protection insulator	5226	first grip
7252	fire protection mechanic	2273	first mate - inland waters
7252	fire protection piping installer	2273	first mate, ferryboat
2233	fire protection technician - manufacturing	8261	first mate, fishing vessel
4312	fire safety inspection firefighter	2273	first mate, foreign-going
7252	fire sprinkler fitter	2273	first mate, home trade
8211	fire suppression crew foreman/woman - forestry	2273	first mate, offshore drilling rig
8422	fire suppression crewman/woman	2273	first mate, self-propelled drilling rig
2223	fire suppression officer - forestry	2273	first mate, ship
1313	fire underwriter - insurance	0011	First Nations band chief
9536	firearm burnisher - metal plating	0011	First Nations band council member
9536	firearm finisher - metal plating	0012	First Nations band manager
9227	firearms assembly foreman/woman	4033	First Nations counsellor - Education
9612	firearms cleaner - metal products manufacturing	0011	First Nations government leader
9417	firearms etcher	4033	First Nations studies program academic adviser
2115	firearms examiner	2271	first officer - air transport
2115	firearms expert	7381	first press operator - printing
9526	firearms fitter	7381	first pressman/woman - printing
7231	firearms machining inspector	7381	first pressman/woman
7231	firearms model maker machinist	4168	first secretary, foreign service
0431	firearms section inspector - police	6321	first sous-chef
7611	firebrick layer helper	2274	first watchkeeping engineer, Coast Guard vessel
4312	firefighter apprentice	2273	first watchkeeping officer, Coast Guard vessel
4312	firefighter lieutenant	9241	first-class power engineer
4312	firefighter, communication service	9241	first-class stationary engineer
4312	firefighter, fire safety inspection	1431	fiscal clerk
8422	firefighter, forest	4162	fiscal economics analyst
4312	firefighter, industrial complex	1112	fiscal projections consultant
4312	firefighter, shipboard	6711	fish and chips preparer
4312	firefighter, structural	2222	fish and fish products inspector
4312	firefighter, training	2224	fish and game warden
4312	firefighter	2224	fish and wildlife officer
4312	firefighter-inspector	9618	fish bin worker - fish processing
0432	firefighters executive officer	9463	fish boner - fish processing
9537	firefighters' hats assembler	9618	fish briner - fish processing
4021	firefighters instructor	9463	fish broiler - fish processing
4021	firefighting instructor	9463	fish by-products processor
7281	fireplace brickmason	9463	fish cake former - fish processing
6732	fireplace cleaner	9463	fish cake maker - fish processing
7284	fireproofing applicator	9463	fish cake maker
7284	fireproofing plasterer	9463	fish cake processor - fish processing
7205	fireproofing plastering foreman/woman	9463	fish canning machine operator - fish processing
7293	firestopping insulator	9463	fish canning machine operator
9537	firework assembler	9213	fish canning, curing and packing workers foreman/woman
9537	firework maker		
5227	fireworks handler		

9463	fish cleaner and cutter - fish processing	9213	fish processing supervisor
9463	fish cleaner and cutter	9463	fish processor
9463	fish cook - fish processing	2222	fish products inspection supervisor
9618	fish culler	2222	fish products inspector
0823	fish culture manager	9463	fish products maker - fish processing
0823	fish culture operator	9213	fish reduction foreman/woman
2221	fish culturist	2221	fish roe technician
9463	fish curer - fish processing	9618	fish salter - fish processing
9213	fish curing and canning foreman/woman	6421	fish shop salesperson
9618	fish curing worker	9463	fish Skinner operator - fish processing
9463	fish cutter - fish processing	9463	fish smoke chamber tender - fish processing
9463	fish cutting machine operator - fish processing	9463	fish smoker - fish processing
9463	fish cutting machine setter - fish processing	9618	fish sorter
9618	fish dipper - fish processing	9463	fish splitter - fish processing
9463	fish dresser - fish processing	9463	fish stick machine tender - fish processing
9463	fish dryer and grinder tender - fish processing	8613	fish tagger
9463	fish dryer tender - fish processing	9463	fish trimmer - fish processing
9463	fish egg processor - fish processing	9618	fish washer - fish processing
8613	fish farm helper	9618	fish weigher
0823	fish farm manager	8441	fishboat deckhand
0823	fish farm operator	9463	fish-cleaning machine tender - fish processing
2221	fish farm technologist	4161	fisheries analyst
8613	fish farm worker	2224	fisheries inspector
0823	fish farmer	2224	fisheries observer
9618	fish flaker - fish processing	2113	fisheries oceanographer
9213	fish freezing foreman/woman	2224	fisheries officer
9213	fish freezing supervisor	4161	fisheries program officer
9618	fish freezing worker - fish processing	2221	fisheries technician
9463	fish fryer - fish processing	2221	fisheries technologist
9465	fish grader	8262	fisherman/woman
8613	fish hatchery attendant	2221	fishery bacteriological technician
0823	fish hatchery manager	2221	fishery bacteriological technologist
0823	fish hatchery operator	2121	fishery bacteriologist
8613	fish hatchery tagger	2224	fishery officer
2221	fish hatchery technician	0412	fishery policy director - government services
8613	fish hatchery worker - aquaculture	2121	fishery products bacteriologist
9463	fish header - fish processing	0412	fishery programs manager - government services
9618	fish hopper filling worker	9213	fish-freezing and storage foreman/woman
9618	fish icer - fish processing	2224	fishing area supervisor
2222	fish inspector	0632	fishing camp operator
2222	fish inspector-grader	6532	fishing guide
6421	fish market salesperson	5243	fishing lure designer
9537	fish net maker, hand	8261	fishing master
9537	fish net making machine operator	0811	fishing operations manager
9463	fish offal processor - fish processing	9537	fishing reel assembler
9463	fish oil extractor tender - fish processing	9537	fishing rod assembler
9618	fish packer - fish processing	9537	fishing rod finisher
9463	fish paste grinder - fish processing	5254	fishing seminar leader
9618	fish pickler - fish processing	9537	fishing tackle maker
9618	fish plant labourer	8232	fishing tool operator - oil field services
9463	fish plant machine operator - fish processing	8261	fishing vessel boatswain
9463	fish plant worker	8261	fishing vessel bo'sun
9213	fish preparation foreman/woman	8261	fishing vessel captain
9463	fish presser operator - fish processing	8441	fishing vessel checkerman/woman
9618	fish processing labourer	2274	fishing vessel chief engineer

8441	fishing vessel crewman/woman	7235	fitter lead hand - structural metal and platework
8261	fishing vessel deck officer		
8441	fishing vessel deckhand	7531	fitter tracks - railway
2274	fishing vessel engineer officer	9521	fitter, ailerons - aircraft assembly
8261	fishing vessel first mate	7316	fitter, aircraft engines
8441	fishing vessel icer	9521	fitter, bench - aircraft assembly
8261	fishing vessel master	3231	fitter, contact lens
8261	fishing vessel mate	9522	fitter, doors - motor vehicle manufacturing
8261	fishing vessel navigation officer	3231	fitter, eyeglasses frame
8441	fishing vessel netmender	3231	fitter, eyeglasses
8441	fishing vessel rollerman/woman	9526	fitter, firearms
8261	fishing vessel second mate	7253	fitter, gas mains
8441	fishing vessel skiffman/woman	9437	fitter, gunstocks - woodworking
8262	fishing vessel skipper	7316	fitter, heavy equipment
1314	fishing vessels appraiser	7316	fitter, heavy machinery
6331	fishmonger - retail	9537	fitter, heel seats
6331	fishmonger - wholesale	9522	fitter, hoods - motor vehicle manufacturing
9537	fish-net-making machine tender	7316	fitter, locomotives
9463	fish-processing machine operator	7316	fitter, machine
9463	fish-processing machine tender	7235	fitter, platework
9618	fish-processing plant labourer	7316	fitter, production equipment
0911	fish-processing plant manager	7316	fitter, railway coach
9463	fish-processing plant worker	7384	fitter, sawmill saws
9463	fish-skinning machine operator - fish processing	7316	fitter, ship machinery
		7252	fitter, sprinkler system
0513	fitness administration director - government	7235	fitter, steel - metal platework
4167	fitness analyst	7235	fitter, steel - structural metal
5254	fitness appraiser	7235	fitter, structural metal and platework
0513	fitness centre manager	7235	fitter, structural metal
0513	fitness club manager	7235	fitter, structural steel and platework
4167	fitness consultant	7235	fitter, structural steel
4167	fitness co-ordinator	3219	fitter, surgical appliances
0714	fitness facility manager	7235	fitter, tubes - structural metalwork and platework
5254	fitness instructor		
5254	fitness leader - aerobic fitness	9533	fitter, wooden barrel ends
5254	fitness leader - aquatic fitness	9533	fitter, wooden barrel headings
5254	fitness leader - fitness for older adults	9533	fitter, wooden casket top frames
5254	fitness leader - strength and conditioning	9525	fitter-assembler - electrical control equipment
5254	fitness leader	9525	fitter-assembler - industrial electrical equipment
4167	fitness policy analyst		
4167	fitness program consultant	9525	fitter-assembler, AC (alternating current) and DC (direct current) motors
0513	fitness programs director		
4167	fitness programs supervisor	9524	fitter-assembler, environmental chamber
5254	fitness supervisor	7235	fitter-assembler, structural metal
4167	fitness, recreation or sports policy analyst	9521	fitter-tester, welded assembly - aircraft assembly
7235	fitter - metal fabrication		
7233	fitter - sheet metal working	9532	fitter-up, furniture - furniture manufacturing
7235	fitter - shipbuilding	7235	fitter-welder, structural metal and platework
7235	fitter - structural metal fabrication	9414	fitting lathe operator - concrete products
9522	fitter and adjuster - motor vehicle manufacturing	9447	fitting room inspector - fabric products manufacturing
7235	fitter apprentice, structural steel and platework	7237	fit-up welder
		7311	fixer, cards - textile manufacturing
7611	fitter helper - construction	7311	fixer, carpet looms - textile manufacturing
9612	fitter helper - metal products manufacturing	7311	fixer, cutting machines - textile manufacturing
9612	fitter helper, shipbuilding		
9612	fitter helper, structural metal		

7311	fixer, fabric-shearing machines - textile manufacturing	9537	flatware-buffing machine set-up operator
7311	fixer, jacquard looms - textile manufacturing	6741	flatwork finisher - laundry and dry cleaning
7311	fixer, loopers - textile manufacturing	6741	flatwork folder - laundry and dry cleaning
7311	fixer, quillers - textile manufacturing	6741	flatwork ironer - laundry and dry cleaning
7311	fixer, shearing machine - textile manufacturing	9461	flavour maker - food and beverage processing
7311	fixer, shuttles - textile manufacturing	9461	flavour maker - tobacco processing
7311	fixer, spinning frames - textile manufacturing	9461	flavourer - tobacco processing
7311	fixer, spinning machines - textile manufacturing	9461	flavouring mixer - tobacco processing
7311	fixer, textile machinery	0621	flea market concession operator
7311	fixer, winding machines - textile manufacturing	0621	flea market manager
9532	fixture assembler	9441	fleecer - textile manufacturing
2252	fixture designer	9441	fleecing machine operator - textile manufacturing
9418	fixture maker, plating equipment	9441	fleecing machine tender - textile manufacturing
9537	flag-making machine operator	0731	fleet manager, transportation
7611	flagman/woman - construction	0731	fleet operations manager, airline
7611	flagman/woman	6411	fleet sales representative
9434	flaker operator - wood processing	9441	flesher, hand - hide and pelt processing
9421	flaker tender - chemical processing	9441	fleshing machine tender - hide and pelt processing
9461	flaking roll tender - food and beverage processing	9537	fletcher - sporting goods manufacturing
9411	flame annealing tender - primary metal processing	9472	flexible plate engraver
9612	flame cutter helper - metal products manufacturing	9472	flexible printing plate moulder
9416	flame cutting machine operator - metal fabrication	9472	flexible-plate hand engraver
9416	flame cutting tracer machine operator - metal fabrication	9435	flexo-folder operator - paper converting
9416	flame hardening machine setter	9472	flexographic moulder-proofer
7237	flame-brazing machine operator	7381	flexographic press adjuster
7237	flame-brazing machine setter	7381	flexographic press operator - printing
9423	flap curer, rubber	7381	flexographic press operator
9423	flap presser, rubber	7381	flexographic press set-up technician - printing
9537	flare assembler	7381	flexographic pressman/woman - printing
9437	flarer, wood products	7381	flexographic pressman/woman
7237	flash butt welder	9472	flexographic printing cylinder assembler
5241	flash designer	6523	flight agent
9533	flask maker, wood - foundry	6522	flight attendant
9527	flat battery maker	4021	flight attendants instructor
9527	flat cell maker - electrical equipment manufacturing	1526	flight crew scheduler
9527	flat dry battery assembler	1215	flight crew scheduling supervisor
9527	flat dry cell assembler	1215	flight crew supervisor
9527	flat dry cell machine tender - electrical equipment manufacturing	2272	flight dispatch assistant
9442	flat knitter	2272	flight dispatcher
9442	flat knitting machine knitter	2271	flight engineer - air transport
9537	flat optical element maker - non-prescription	2271	flight engineer
7291	flat roofer	2271	flight instructor
9422	flatbed press operator - plastic manufacturing	7315	flight line mechanic
7381	flat-bed press set-up operator	0731	flight operations director
7511	flatbed truck driver	2262	flight operations inspector
		0731	flight operations manager
		2272	flight operations officer
		6522	flight purser
		0731	flight schedule design manager, airline
		1526	flight scheduler
		0731	flight schedulers manager
		6522	flight service director

2272	flight service specialist (FSS)	9535	floorcovering inset cutter - plastic manufacturing
2271	flight simulator instructor		
7315	flight test inspector, mechanical systems	7611	floorcovering installer helper
7315	flight test inspector	7611	floorcovering mechanic helper
7315	flight test mechanic, aircraft	9471	floorcovering printer
9413	float chief operator - glass forming	8615	floorhand - offshore drilling rig
1411	float clerk	8615	floorhand - oil and gas drilling
3012	float nurse	8615	floorhand - service rig
9413	float operator - glass forming	8615	floorhand
7371	floating crane operator	9436	flooring grader - wood processing
9619	flocker - garment manufacturing	8615	floorman/woman - offshore drilling rig
9441	flocking machine tender	8615	floorman/woman - oil and gas drilling
2264	flood damage inspector - construction sites	6722	floorman/woman, bingo
2263	flood damage inspector	6541	floorman/woman, retail store
7295	floor and wall covering installer, residential	6541	floorwalker, retail store
7205	floor and wall covering installers foreman/woman	5244	floral arrangements designer
		6421	floral arranger - retail
9619	floor attendant - bindery	5244	floral designer
9619	floor attendant - printing	2225	floriculturist
6722	floor attendant, bingo	6421	florist - retail
6731	floor cleaner	6421	florist salesperson
6622	floor clerk - retail	6421	florist shop salesperson
6622	floor clerk - supermarket	9611	flotation cell helper - primary metal and mineral products processing
7611	floor coverer helper		
7205	floor coverer-contractor	9411	flotation cell tender - primary metal processing
7205	floor covering contractor		
7205	floor covering foreman/woman	9461	flour blender operator - food and beverage processing
7295	floor covering installer apprentice		
7295	floor covering installer	2222	flour inspector
7295	floor covering mechanic	9213	flour mill foreman/woman
7205	floor covering supervisor	9461	flour mill machine operator
0621	floor coverings and draperies store manager	0911	flour mill manager
6421	floor coverings salesperson - retail	9461	flour miller
5226	floor director - broadcasting	9617	flour mixer helper
5131	floor director - performing arts	9461	flour purifier
9526	floor framer, buses and trucks	9213	flour-and-grain mill foreman/woman
9616	floor helper - textile processing	5243	flower designer
9522	floor inspector - motor vehicle manufacturing	0822	flower grower
7295	floor layer	0621	flower shop manager
7611	floor layer's helper	0621	flower store manager
5226	floor manager - broadcasting	9414	flowerpot pressman/woman - clay products
0621	floor manager - retail	9613	flue cleaner - utilities
9423	floor mat press tender - rubber products manufacturing	9611	flue dust labourer - primary metal and mineral products processing
9412	floor moulder - foundry	2132	fluid mechanics engineer
9412	floor moulder, sand - foundry	2111	fluid physicist
7611	floor sander and finisher helper	9461	flumer - food and beverage processing
7441	floor sander and finisher	9617	flumer helper - food and beverage processing
7441	floor sander and polisher		
7441	floor sander	9524	fluorescent lighting fixture assembler
7295	floor sheeting layer	2261	fluorescent penetrant testing technician
6731	floor sweeper	9523	fluorescent screen former
7271	floor systems carpenter	2261	fluoroscope tester
9619	floor tile edge grinder	9611	fluorspar flux maker - primary metal processing
7295	floor tile layer		
1113	floor trader - commodity exchange	9411	fluorspar recovery tender
1113	floor trader, stock exchange		

6741	fluting machine operator - laundry and dry cleaning	9435	folding machine tender - paper converting
9437	fluting machine operator - woodworking	9441	folding machine tender - textile manufacturing
5133	flutist	5134	folk dance teacher
9411	flux-mixing machine tender - metal processing	5134	folk dancer
1513	flyer distributor - courier service	5133	folk singer
7311	flyer repairer - textile manufacturing	5134	folkloric dance teacher
2271	flying instructor	5134	folkloric dancer
0421	flying school manager	1524	food and beverage control clerk - inventory
9416	flying shear operator - metal fabrication	9213	food and beverage processing foreman/woman
5227	flyman/woman	9465	food and beverage processing grader
9535	foam cushion production repairer - plastic products manufacturing	9213	food and beverage processing supervisor
9535	foam cushion reinforcer - plastic products manufacturing	0911	food and beverage production manager
7205	foam insulation foreman/woman	6513	food and beverage server
7205	foam insulators foreman/woman	0631	food and beverage service manager
9527	foam machine operator - electrical equipment manufacturing	6711	food and beverage service runner assistant
9422	foam plastic-producing machine operator	3219	food and nutrition technician - dietetics
9422	foam plastic-spraying machine operator	3114	food animal veterinarian
9214	foam products inspection foreman/woman - rubber manufacturing	6711	food assembler - fast food
9214	foam products inspection supervisor - rubber products manufacturing	6311	food assembly supervisor
9423	foam rubber goods inspector	2221	food bacteriological technician
9423	foam rubber machine operator	2221	food bacteriological technologist
9423	foam rubber maker	2121	food bacteriologist
9423	foam rubber mattress inspector	6222	food buyer
9423	foam rubber mixer	2112	food chemist
9423	foam rubber press operator	6711	food concession worker
7293	foamed insulation applicator	4164	food consultant - home economics
5227	focus puller	1524	food controller - inventory
9418	foil rewinder	6711	food counter attendant
9611	foil roller helper - primary metal processing	7514	food delivery driver
9611	foil separator - primary metal processing	6623	food demonstrator - retail
9473	foil stamper - printing	2263	food inspector
9537	foiling machine tender	6421	food preparer - grocery store
9473	foil-stamping platen press operator	6711	food preparer
9411	foil-winding machine operator - primary metal processing	2148	food processing engineer
9411	foil-winding machine operator	9617	food processing labourer
9423	folded gasket maker - rubber products manufacturing	2211	food processing quality control technician
6741	folder - laundry and dry cleaning	2211	food processing quality control technologist
9473	folder operator - printing	9617	food product sampler
9619	folder, garments - garment manufacturing	9213	food product testers supervisor
9473	folder, machine - printing	0911	food production manager
9619	folder, parachutes	2121	food products bacteriologist
9619	folderman/woman - printing	2222	food products inspector
9619	folding machine feeder - printing	6411	food products sales representative
9537	folding machine operator - garment manufacturing	2121	food products scientist
9473	folding machine operator - printing	0113	food purchasing director
6741	folding machine tender - laundry and dry cleaning	0113	food purchasing manager
		2121	food research scientist
		6711	food runner
		0411	food safety programs manager - government services
		4011	food science professor - university
		2121	food scientist
		6711	food service attendant
		6711	food service counter attendant
		7514	food service driver

6711	food service helper	5125	foreign broadcast translator
6311	food service supervisor, hospital	5123	foreign correspondent
6311	food service supervisor	1434	foreign currency accounts adjuster - financial sector
6711	food service worker		
0631	food services manager	1434	foreign exchange clerk - financial sector
6411	food services sales representative	1113	foreign exchange dealer
9461	food slicer - food and beverage processing	6551	foreign exchange teller - financial services
6611	food store cashier	1113	foreign exchange trader
6421	food store clerk - retail	1114	foreign interbanking arrangements officer
0621	food store department manager - retail	5122	foreign news broadcasting editor
0621	food store manager	5123	foreign news correspondent
6211	food store supervisor	5122	foreign news service editor
5243	food stylist	5125	foreign news translator
2211	food technician	1434	foreign remittance clerk - financial sector
2211	food technologist	4168	foreign service officer
2148	food technology engineer	2273	foreign-going first mate
9213	food testing foreman/woman - food and beverage processing	2273	foreign-going second mate
		6316	foreman/forewoman, laundry and dry cleaning workers and press operators
9213	food testing supervisor		
9461	food-colouring equipment operator	9222	foreman/woman - electronic equipment manufacturing
9617	food-cooling pan tender		
9461	food-flavouring equipment tender	6316	foreman/woman - laundry and dry cleaning
9461	food-mixing machine tender	9221	foreman/woman - motor vehicle manufacturing
9526	food-packaging equipment assembly inspector	9212	foreman/woman - petroleum, gas and chemical processing
9617	food-processing equipment cleaner		
7316	food-processing machine fitter	7304	foreman/woman - railway transport
0911	food-processing plant manager	9217	foreman/woman - textile processing
3125	foot specialist	9213	foreman/woman, abattoir
5252	football coach	9226	foreman/woman, agricultural equipment assembly
5251	football player		
5252	football scout	7301	foreman/woman, air conditioning and refrigeration mechanics
5252	football team coach		
5251	footballer	7301	foreman/woman, air conditioning and refrigeration
8411	footman/woman - underground mining		
9217	footwear finishing foreman/woman	7301	foreman/woman, air conditioning mechanics
9214	footwear inspection foreman/woman - rubber manufacturing	9226	foreman/woman, aircraft assembly
		7301	foreman/woman, aircraft engine assemblers
9214	footwear inspection supervisor - rubber products manufacturing	7301	foreman/woman, aircraft engine assembly
9619	footwear manufacturing labourer	7301	foreman/woman, aircraft engine fitters
9615	footwear moulding press feeder - rubber products manufacturing	7301	foreman/woman, aircraft engine repair
		9226	foreman/woman, aircraft fuselage assembly
9537	footwear parts trimmer - footwear manufacturing	7301	foreman/woman, aircraft maintenance mechanics - aircraft mechanical systems
		7301	foreman/woman, aircraft mechanical systems mechanics
9422	footwear presser - plastic manufacturing		
6421	footwear salesperson - retail	7301	foreman/woman, aircraft mechanics and inspectors - mechanical systems
9446	footwear sewer		
9615	footwear sorter - rubber products manufacturing	7301	foreman/woman, aircraft mechanics and inspectors
0821	forage crop farmer	7301	foreman/woman, aircraft mechanics and repairers - mechanical systems
7331	forced air furnace installer (except gas)		
2114	forecaster, weather	7301	foreman/woman, aircraft mechanics
4211	foreclosure clerk	9226	foreman/woman, aircraft painters
4211	foreclosure paralegal	7301	foreman/woman, aircraft servicing
1242	foreclosures legal assistant	9211	foreman/woman, annealing - primary metal processing
5123	foreign affairs reporter		

9211	foreman/woman, annealing	7301	foreman/woman, boat engine repair
9211	foreman/woman, anodizing - primary metal processing	7301	foreman/woman, body shop
8252	foreman/woman, apple orchard	7205	foreman/woman, boiler and pipe insulation specialists
7301	foreman/woman, appliance repair shop	7205	foreman/woman, boiler and pipe insulators
7302	foreman/woman, asphalt paving	7201	foreman/woman, boilermakers, platers, and structural metal workers
7205	foreman/woman, asphalt roofers	7201	foreman/woman, boilermakers
9214	foreman/woman, assemblers - rubber and plastic manufacturing	7201	foreman/woman, boilermaking shop
9221	foreman/woman, assembly - motor vehicle manufacturing	9213	foreman/woman, boiling house - food and beverage processing
7301	foreman/woman, assembly mechanics	9217	foreman/woman, boot and shoe
9221	foreman/woman, automobile assembly	9213	foreman/woman, bottling - food and beverage processing
7301	foreman/woman, automobile mechanics	9215	foreman/woman, box making - paper converting
7301	foreman/woman, automotive body repair shop	7205	foreman/woman, brick and stone masons
7301	foreman/woman, automotive body repair	7205	foreman/woman, bricklayer
7301	foreman/woman, automotive body shop	7302	foreman/woman, bridge construction
7301	foreman/woman, automotive engine repair	7205	foreman/woman, bridge painters
7201	foreman/woman, automotive machine shop	9227	foreman/woman, brush making
7301	foreman/woman, automotive service mechanics	9224	foreman/woman, buffing and lacquering - furniture and fixtures manufacturing
9227	foreman/woman, baby carriage assembly	2264	foreman/woman, building construction inspectors
9213	foreman/woman, bakery - food and beverage processing	7205	foreman/woman, building insulation specialists
9213	foreman/woman, baking - food and beverage processing	7205	foreman/woman, building insulators
9213	foreman/woman, baking and confectionery making	7302	foreman/woman, building movers
9226	foreman/woman, ball and roller-bearings assembly	7301	foreman/woman, bus and truck repair
9217	foreman/woman, beam department - hide and pelt processing	9222	foreman/woman, business and commercial machines assembly
9215	foreman/woman, beater room - pulp and paper	9224	foreman/woman, cabinet assemblers and wood furniture makers
9213	foreman/woman, beef boning and cutting	7204	foreman/woman, cabinetmakers
9213	foreman/woman, beef dressing	7202	foreman/woman, cable installations
9214	foreman/woman, belt building - rubber manufacturing	7202	foreman/woman, cable splicers - telecommunications
9227	foreman/woman, bench assemblers - wood products	7202	foreman/woman, cable television system installers and repairers
9227	foreman/woman, bicycle assembly	7202	foreman/woman, cablevision technicians
7303	foreman/woman, binders - printing	9214	foreman/woman, calendering - rubber and plastic manufacturing
7303	foreman/woman, bindery - printing	9227	foreman/woman, candle making
7201	foreman/woman, blacksmith shop	9213	foreman/woman, cannery - food processing
7201	foreman/woman, blacksmiths	9217	foreman/woman, canvas products manufacturing
7302	foreman/woman, blasters - construction	7204	foreman/woman, carpenters
8221	foreman/woman, blasters - quarrying	7204	foreman/woman, carpentry
8221	foreman/woman, blasters - surface mining	9211	foreman/woman, casting operations
8221	foreman/woman, blasting - mining and quarrying	9211	foreman/woman, casting room
9215	foreman/woman, bleach plant - pulp and paper	7205	foreman/woman, cement finishers
9217	foreman/woman, bleaching - textiles	9211	foreman/woman, cement processing
9214	foreman/woman, blow moulding - rubber and plastic manufacturing	8255	foreman/woman, cemetery
9214	foreman/woman, blow moulding	9224	foreman/woman, chair assembly - furniture and fixtures manufacturing

9213	foreman/woman, char house - food and beverage processing	9211	foreman/woman, coremaking - mineral processing
9212	foreman/woman, chemical processing plant	9215	foreman/woman, coremaking - paper converting
9212	foreman/woman, chemical		
9213	foreman/woman, chocolate candies processing	9212	foreman/woman, cosmetics processing
9213	foreman/woman, chocolate refining	7302	foreman/woman, crane crew
9213	foreman/woman, cigarette inspectors	9211	foreman/woman, crushing and grinding operations - primary metal and mineral products processing
9213	foreman/woman, cigarettes graders		
9211	foreman/woman, clay products manufacturing	9212	foreman/woman, crushing and grinding workers - chemicals and related materials
9211	foreman/woman, clay shop		
9211	foreman/woman, clay, glass and stone furnace and kiln operations	9214	foreman/woman, curing - rubber manufacturing
9227	foreman/woman, clock and watch assembly repairers	9213	foreman/woman, curing room - tobacco processing
9227	foreman/woman, clock and watch assembly	9227	foreman/woman, cutlery manufacturing
9227	foreman/woman, clock and watch inspection	8252	foreman/woman, dairy farm workers
9217	foreman/woman, clothing manufacturing	9213	foreman/woman, dairy products processing
9211	foreman/woman, coal and coke crushing and grinding	9224	foreman/woman, decorating - furniture and fixtures manufacturing
8221	foreman/woman, coal mine	7205	foreman/woman, decorators
9212	foreman/woman, coating and calendering workers - chemical processing	7305	foreman/woman, delivery drivers
9215	foreman/woman, coating room - pulp and paper	7302	foreman/woman, demolition
9213	foreman/woman, coffee roasting	9224	foreman/woman, desk assembly - furniture and fixtures manufacturing
9211	foreman/woman, coke screening - mineral and metal processing	9224	foreman/woman, desk assembly
7303	foreman/woman, composing - printing	9212	foreman/woman, detergents and removers manufacturing
7303	foreman/woman, compositors - printing		
9211	foreman/woman, concentrator - primary metal and mineral products processing	8221	foreman/woman, diamond drilling
7205	foreman/woman, concrete and cement finishers	9211	foreman/woman, die casting - foundry
7205	foreman/woman, concrete finishers	9213	foreman/woman, distilling
7204	foreman/woman, concrete form builders - carpentry	9227	foreman/woman, door and sash assembly
7302	foreman/woman, concrete paving	7302	foreman/woman, dredging equipment operators
9211	foreman/woman, concrete products		
9213	foreman/woman, confectionery	9217	foreman/woman, dressmaking department
7202	foreman/woman, construction electricians and repair workers	8221	foreman/woman, drilling - mining and quarrying
7202	foreman/woman, construction electricians	7302	foreman/woman, drilling and blasting - construction
9226	foreman/woman, construction machinery assembly		
7205	foreman/woman, construction painters	9213	foreman/woman, dry starch - food processing
9227	foreman/woman, controlling and recording instruments assembly		
9211	foreman/woman, converter - primary metal and mineral products processing	7205	foreman/woman, drywall applicators
9214	foreman/woman, conveyor belt building - rubber manufacturing	9217	foreman/woman, dye department - textiles
7201	foreman/woman, coppersmiths	9217	foreman/woman, dye room - textile processing
9215	foreman/woman, core room - pulp and paper	9223	foreman/woman, electric dry cell assembly
9211	foreman/woman, coremaking - foundry	9223	foreman/woman, electric motor and generator assembly
		9223	foreman/woman, electric motor testing
		9223	foreman/woman, electrical appliance assembly
		7202	foreman/woman, electrical appliances installations
		7202	foreman/woman, electrical construction
		7202	foreman/woman, electrical equipment installation and repair

9223	foreman/woman, electrical equipment manufacturing	7205	foreman/woman, fibre glass insulation specialists
7301	foreman/woman, electrical mechanics	7205	foreman/woman, fibre insulation
9223	foreman/woman, electrical motor assembly	7205	foreman/woman, fibre insulators
9223	foreman/woman, electrical switchgear assembly	9227	foreman/woman, fibreglass boat assembly
9223	foreman/woman, electrical transformer assembly	9214	foreman/woman, fibreglass plastics
7202	foreman/woman, electricians	8252	foreman/woman, field crop and vegetable workers
7301	foreman/woman, electromechanical technicians	8221	foreman/woman, fill - underground mining
9222	foreman/woman, electronic assembly	7303	foreman/woman, film developers
9222	foreman/woman, electronic equipment fabricating and assembling workers	7303	foreman/woman, film printers
9222	foreman/woman, electronic equipment fabricating and assembling	7303	foreman/woman, film printing
9222	foreman/woman, electronic inspection - electronics manufacturing	7303	foreman/woman, film processing
9222	foreman/woman, electronics manufacturing	7303	foreman/woman, film processors
9226	foreman/woman, electroplating	9211	foreman/woman, filter plant - primary metal and mineral products processing
7301	foreman/woman, elevator construction	9222	foreman/woman, final assembly and test - electronics manufacturing
7301	foreman/woman, elevator constructors	7204	foreman/woman, finish carpenters
7301	foreman/woman, elevator mechanics	7204	foreman/woman, finish joiners
9226	foreman/woman, engine assembly (except aircraft)	9214	foreman/woman, finishing - plastic manufacturing
9226	foreman/woman, engine guard assembly (except aircraft)	7303	foreman/woman, finishing - printing
7301	foreman/woman, engine overhaul	9214	foreman/woman, finishing - rubber manufacturing
9226	foreman/woman, engine rebuilding shop (except aircraft)	9214	foreman/woman, finishing and trimming - rubber and plastic manufacturing
9226	foreman/woman, engine testing (except aircraft)	9217	foreman/woman, finishing department - textiles
7303	foreman/woman, engravers (except photoengravers) - printing	7203	foreman/woman, fire protection equipment installers
7303	foreman/woman, engraving (except photoengraving) - printing	9227	foreman/woman, firearms assembly
9212	foreman/woman, evaporator - chemical processing	7205	foreman/woman, fireproofing plasterers
7302	foreman/woman, excavating equipment operators	9213	foreman/woman, fish canning, curing and packing workers
7302	foreman/woman, excavating, grading and paving	9213	foreman/woman, fish freezing and storage
7302	foreman/woman, excavating, grading	9213	foreman/woman, fish freezing
9211	foreman/woman, extruding - primary metal and mineral products processing	7205	foreman/woman, floor and wall covering installers
9211	foreman/woman, extruding - primary metal processing	7205	foreman/woman, floor covering
9214	foreman/woman, extruding - rubber and plastic manufacturing	9213	foreman/woman, flour mill
9214	foreman/woman, extrusion - rubber and plastic manufacturing	7205	foreman/woman, foam insulators
9217	foreman/woman, fabric-cutting department	9214	foreman/woman, foam products inspection - rubber manufacturing
7301	foreman/woman, farm equipment repair	9213	foreman/woman, food and beverage processing
8252	foreman/woman, farm	9214	foreman/woman, footwear inspection - rubber manufacturing
9213	foreman/woman, feed milling	9217	foreman/woman, footwear manufacturing
8252	foreman/woman, feedlot	8211	foreman/woman, forestry
		9226	foreman/woman, forge shop - metal products manufacturing
		9226	foreman/woman, forging-machine operators
		7204	foreman/woman, form builders
		9211	foreman/woman, foundry
		7204	foreman/woman, framers
		7302	foreman/woman, freight terminal

8252	foreman/woman, fruit farm workers	7301	foreman/woman, ground crew - aircraft maintenance
8252	foreman/woman, fruit farm		
9213	foreman/woman, fruit grading	8255	foreman/woman, groundskeeping
9213	foreman/woman, fruit-and-vegetable canning, preserving and packing workers	9213	foreman/woman, ham curing
9217	foreman/woman, fur dressing - hide and pelt processing	9227	foreman/woman, hand tool manufacturing
9217	foreman/woman, fur hatmaking department	9217	foreman/woman, handbag manufacturing
9217	foreman/woman, fur products manufacturing	9217	foreman/woman, hat and cap makers
7301	foreman/woman, furnace installers	9217	foreman/woman, hat trimming department
9211	foreman/woman, furnace operations - primary metal and mineral products processing	8252	foreman/woman, hatchery workers
		9212	foreman/woman, heating plant
9224	foreman/woman, furniture assembly - furniture and fixtures manufacturing	7301	foreman/woman, heating systems mechanics
9224	foreman/woman, furniture assembly	7301	foreman/woman, heavy agricultural machinery assembly
9224	foreman/woman, furniture components sanding department	7302	foreman/woman, heavy construction crew
9224	foreman/woman, furniture finishers - furniture and fixtures manufacturing	7301	foreman/woman, heavy construction equipment assembly
9224	foreman/woman, furniture finishing - furniture and fixtures manufacturing	7302	foreman/woman, heavy construction labourers
9224	foreman/woman, furniture gluers - furniture and fixtures manufacturing	7301	foreman/woman, heavy equipment assembly
9224	foreman/woman, furniture inspectors - furniture and fixtures manufacturing	7301	foreman/woman, heavy equipment mechanics
9217	foreman/woman, furriers	7301	foreman/woman, heavy farm equipment assembly
9211	foreman/woman, galvanizing - metal and mineral products processing	7301	foreman/woman, heavy machinery assembly
9226	foreman/woman, galvanizing	7301	foreman/woman, heavy-duty equipment mechanics
9226	foreman/woman, garden tractor assembly	7302	foreman/woman, heavy-duty equipment operators
9217	foreman/woman, garment manufacturing	9226	foreman/woman, helicopter assembly
9212	foreman/woman, gas distribution	7301	foreman/woman, helicopter maintenance - mechanical systems
7203	foreman/woman, gas fitters	9213	foreman/woman, hide curing - food and beverage processing
9212	foreman/woman, gas plant	9217	foreman/woman, hide-house - hide and pelt processing
7203	foreman/woman, gas service		
7204	foreman/woman, general carpenters	2264	foreman/woman, highway construction inspectors
9211	foreman/woman, glass cutting		
9211	foreman/woman, glass engraving	7302	foreman/woman, highway construction
9211	foreman/woman, glass forming	9217	foreman/woman, hosiery
9211	foreman/woman, glass furnace	7303	foreman/woman, hot composition - printing
9211	foreman/woman, glass grinding and polishing	7205	foreman/woman, hothouse installers
7205	foreman/woman, glass installators	7302	foreman/woman, house moving
7205	foreman/woman, glass installers	7301	foreman/woman, household appliance repair shop
9211	foreman/woman, glass processing		
9211	foreman/woman, glass products manufacturing	7301	foreman/woman, HVAC (heating, ventilating and air conditioning) mechanics
7205	foreman/woman, glaziers	7301	foreman/woman, hydraulic unit repair shop
9217	foreman/woman, glove manufacturing	9213	foreman/woman, ice cream making
9224	foreman/woman, gluing - furniture and fixtures manufacturing	9212	foreman/woman, incinerator
		7202	foreman/woman, industrial electricians
7302	foreman/woman, grading equipment operators	7301	foreman/woman, industrial machinery assembly
7205	foreman/woman, greenhouse installers	7301	foreman/woman, industrial machinery manufacturing
9212	foreman/woman, grinding and packing - chemical processing	7301	foreman/woman, industrial machinery mechanics

7301	foreman/woman, industrial mechanics	9226	foreman/woman, light industrial, farm and construction machinery assembly
9226	foreman/woman, industrial truck assembly	9226	foreman/woman, light material-handling equipment assembly
7301	foreman/woman, industrial, farm and construction machinery mechanics and repairers	7305	foreman/woman, light rail transit (LRT) operators
9214	foreman/woman, injection moulding - rubber and plastic manufacturing	9211	foreman/woman, lime preparation
9212	foreman/woman, ink preparation - chemical processing	7202	foreman/woman, line and cable installation
9211	foreman/woman, inspecting, testing and grading - primary metal and mineral products processing	7202	foreman/woman, line and cable installers
9217	foreman/woman, inspection - textiles	7202	foreman/woman, line and cable repairers - power lines
9222	foreman/woman, inspectors and testers - electronic equipment fabrication, assembly, installation and repair	8252	foreman/woman, livestock farm workers
9217	foreman/woman, inspectors, graders, samplers and testers - fabric, fur and leather products manufacturing	7302	foreman/woman, loading and moving - construction
7202	foreman/woman, installers and repairers - telecommunications	7301	foreman/woman, locomotive erecting shop
7205	foreman/woman, insulation specialists	7301	foreman/woman, locomotive inspectors
7205	foreman/woman, insulators	7302	foreman/woman, logging road construction
7201	foreman/woman, ironworkers	8211	foreman/woman, logging
9213	foreman/woman, jam and jelly processing	7302	foreman/woman, longshore workers
9227	foreman/woman, jewellery and silverware-manufacturing workers	7302	foreman/woman, longshoremen/women, stevedores and freight handlers
9227	foreman/woman, jewellery manufacturing	9217	foreman/woman, luggage assembly - fabric, fur and leather products manufacturing
9227	foreman/woman, jewellery repairing - manufacturing	9215	foreman/woman, lumber grading - wood processing
9211	foreman/woman, kiln workers - clay products	7301	foreman/woman, machine builders
9217	foreman/woman, knitting - textile processing	7301	foreman/woman, machine fitters
9211	foreman/woman, labourers - primary metal and mineral products processing	7301	foreman/woman, machine maintenance - manufacturing
7302	foreman/woman, labourers and other elemental workers - construction	7201	foreman/woman, machine shop inspectors
9224	foreman/woman, laminating - furniture and fixtures manufacturing	7201	foreman/woman, machine shop
9227	foreman/woman, lamp shade fabrication	7201	foreman/woman, machine tool operators
8255	foreman/woman, landscaping	7301	foreman/woman, machinery assembly
7205	foreman/woman, lathers	7301	foreman/woman, machinery manufacturing
6316	foreman/woman, launderers, dry cleaners and press operators	9224	foreman/woman, machining - furniture and fixtures manufacturing
9217	foreman/woman, layout and marking - fabric, fur and leather products manufacturing	7201	foreman/woman, machining and tooling inspectors
9211	foreman/woman, lead refining	7201	foreman/woman, machining inspectors
9217	foreman/woman, leather finishing - hide and pelt processing	7201	foreman/woman, machining tool operators
9217	foreman/woman, leather products manufacturing	7201	foreman/woman, machining tools
9227	foreman/woman, lens grinders and polishers	7201	foreman/woman, machining
7303	foreman/woman, letterpress - printing	7201	foreman/woman, machinists and machine tool set-up operators
7303	foreman/woman, letterpress room	7201	foreman/woman, machinists
9226	foreman/woman, light agricultural and farm equipment assembly	7204	foreman/woman, maintenance carpenters
9226	foreman/woman, light construction machinery assembly	7202	foreman/woman, maintenance electricians
		7201	foreman/woman, maintenance machine shop
		7301	foreman/woman, manufacturing machinery assembly
		7205	foreman/woman, marble setters
		7202	foreman/woman, marine electricians
		7203	foreman/woman, marine pipe fitters
		7203	foreman/woman, marine pipefitters
		7301	foreman/woman, marine service - engine repair

9214	foreman/woman, matting inspection - rubber manufacturing	8221	foreman/woman, mine
9224	foreman/woman, mattress manufacturing	9227	foreman/woman, mirror silvering
9213	foreman/woman, meat cutting plant	9214	foreman/woman, mixing - rubber and plastic manufacturing
7301	foreman/woman, mechanical equipment repair inspection	9211	foreman/woman, mixing and separating operations - primary metal and mineral products processing
7301	foreman/woman, mechanical equipment repair inspectors	9211	foreman/woman, mixing plant - primary metal and mineral products processing
7301	foreman/woman, mechanical inspectors	9226	foreman/woman, mobile home assembly
7301	foreman/woman, mechanical maintenance - utilities	7301	foreman/woman, motor vehicle body repairers
7301	foreman/woman, mechanics	7301	foreman/woman, motor vehicle engine repair
9211	foreman/woman, melting and roasting - primary metal and mineral products processing	9221	foreman/woman, motor vehicle inspection and testing - motor vehicle manufacturing
9211	foreman/woman, melting and roasting furnace - primary metal and mineral products processing	9221	foreman/woman, motor vehicle manufacturing
7301	foreman/woman, metal and woodworking machinery manufacturing	7301	foreman/woman, motor vehicle mechanics and repairers
9226	foreman/woman, metal buffers	7301	foreman/woman, motor vehicle mechanics
9226	foreman/woman, metal buffing	7301	foreman/woman, motor vehicle repair shop
9211	foreman/woman, metal casting, moulding and coremaking	7301	foreman/woman, motorcycle mechanics
9211	foreman/woman, metal extruding and drawing	8221	foreman/woman, motormen/women and dinkeymen/women (except rail transport)
7201	foreman/woman, metal fabricators	7201	foreman/woman, mould shop - machining
7201	foreman/woman, metal fitters	9214	foreman/woman, moulded rubber footwear
9224	foreman/woman, metal furniture assembly	9211	foreman/woman, moulding - foundry
9211	foreman/woman, metal heat-treating - primary metal processing	9214	foreman/woman, moulding - rubber and plastic manufacturing
7201	foreman/woman, metal mould and metal patternmakers	9227	foreman/woman, musical instrument manufacturing
9226	foreman/woman, metal products inspection and testing	9212	foreman/woman, natural gas plant
9211	foreman/woman, metal rolling	8255	foreman/woman, nursery
7201	foreman/woman, metal shapers	7301	foreman/woman, office machine repairers
9211	foreman/woman, metal smelting, converting and refining	7303	foreman/woman, offset lithography - printing
7201	foreman/woman, metal-machining inspection	7303	foreman/woman, offset press - printing
9226	foreman/woman, metalworking machine operators	7303	foreman/woman, offset press operators - printing
7202	foreman/woman, meter installers and repairers	8222	foreman/woman, oil and gas well drilling
7301	foreman/woman, meter repair shop	8222	foreman/woman, oil and natural gas well servicing
9211	foreman/woman, mica processing	7301	foreman/woman, oil burner installation
9213	foreman/woman, milk production	7301	foreman/woman, oil burner mechanics
9217	foreman/woman, millinery - fabric, fur and leather products manufacturing	7302	foreman/woman, oil field construction
9211	foreman/woman, milling plant - primary metal and mineral products processing	9227	foreman/woman, optical instrument assembly
9227	foreman/woman, millwork assemblers - wood manufacturing	9227	foreman/woman, optical instrument manufacturing
9227	foreman/woman, millwork assembly - wood products manufacturing	7303	foreman/woman, OptiCopy and stripping - printing
9227	foreman/woman, millwork assembly	8252	foreman/woman, orchard
7301	foreman/woman, millwrights	9211	foreman/woman, ore milling
		9212	foreman/woman, oven - chemical processing
		9211	foreman/woman, oxygen furnace - primary metal and mineral products processing
		9226	foreman/woman, paint department - aircraft manufacturing

9224	foreman/woman, paint department - furniture and fixtures manufacturing	7203	foreman/woman, pipefitters
9226	foreman/woman, paint department - heavy equipment manufacturing	2264	foreman/woman, pipeline construction inspector
9226	foreman/woman, paint department - heavy truck, bus and trailer manufacturing	7302	foreman/woman, pipeline construction
9226	foreman/woman, paint department - machinery manufacturing	2264	foreman/woman, pipeline inspectors
9226	foreman/woman, paint department - metal products manufacturing	9212	foreman/woman, pipeline operations
9221	foreman/woman, paint department - motor vehicle manufacturing	9224	foreman/woman, planers, turners, shapers and related wood-machining workers - furniture and fixtures manufacturing
9214	foreman/woman, paint department - plastic products	8211	foreman/woman, planting crew
9226	foreman/woman, paint department - railway rolling stock	7205	foreman/woman, plasterers
9214	foreman/woman, paint department - rubber products	9214	foreman/woman, plastic inspectors
9226	foreman/woman, paint department - shipbuilding	9214	foreman/woman, plastic products manufacturing
9226	foreman/woman, paint department - transport equipment manufacturing (except motor vehicles)	9214	foreman/woman, plastics-processing shop
9221	foreman/woman, paint shop - motor vehicle manufacturing	7201	foreman/woman, plate shop
7205	foreman/woman, painters - construction	7201	foreman/woman, platework fabricators
9226	foreman/woman, painters - metal products	7203	foreman/woman, plumbers
7205	foreman/woman, painters and decorators	9215	foreman/woman, plywood inspection - wood processing
9213	foreman/woman, pan house - food and beverage processing	9215	foreman/woman, plywood making
9215	foreman/woman, paper - pulp and paper	8211	foreman/woman, pond
9215	foreman/woman, paper inspectors - pulp and paper	9211	foreman/woman, pot room - primary metal and mineral products processing
9215	foreman/woman, paper machine - pulp and paper	9211	foreman/woman, pot room - primary metal processing
9215	foreman/woman, paper mill workers	9213	foreman/woman, poultry eviscerating
9215	foreman/woman, paper mill	8252	foreman/woman, poultry farm workers
9215	foreman/woman, paper product fabricating and assembling	9213	foreman/woman, poultry graders
7205	foreman/woman, paperhangers	9213	foreman/woman, poultry preparers
9215	foreman/woman, papermaking and finishing	9212	foreman/woman, power engineers
9215	foreman/woman, particleboard making	7202	foreman/woman, power line and cable workers
7302	foreman/woman, paving, surfacing	7202	foreman/woman, power line repairers
7302	foreman/woman, paving	9212	foreman/woman, power line technician
9222	foreman/woman, PCB (printed circuit board) fabrication	9212	foreman/woman, power plant
9212	foreman/woman, petroleum processing	7202	foreman/woman, power station operators
9212	foreman/woman, pharmaceuticals compounding	9226	foreman/woman, power system electricians
7303	foreman/woman, photoengravers	9226	foreman/woman, power transmission assembly
7303	foreman/woman, photographic and film processing	9227	foreman/woman, precision instruments and related equipment assembly
9227	foreman/woman, photographic equipment assembly	9227	foreman/woman, prefab house assembly
7303	foreman/woman, photographic processing and finishing	9227	foreman/woman, prefab housing assemblers
9212	foreman/woman, pilot plant	9227	foreman/woman, prefab housing assembly
		9227	foreman/woman, prefabricated joinery assembly - wood products manufacturing
		9217	foreman/woman, preparation department - textile processing
		7303	foreman/woman, pressroom - printing
		9211	foreman/woman, primary metal and mineral products processing
		9222	foreman/woman, printed circuit board fabrication
		9222	foreman/woman, printed circuit board (PCB) fabrication - electronic equipment manufacturing

7301	foreman/woman, printer repairers	7302	foreman/woman, railway track laying
7303	foreman/woman, printers	7302	foreman/woman, railway track maintenance
7301	foreman/woman, printing machine mechanics	7304	foreman/woman, railway transport operating support
7301	foreman/woman, printing machine repair	7304	foreman/woman, railway transport operations
7301	foreman/woman, printing machine repairers	8252	foreman/woman, ranch
7301	foreman/woman, printing press and machine mechanics	9211	foreman/woman, reclamation - primary metal and mineral products processing
7303	foreman/woman, printing shop	9211	foreman/woman, reduction plant - primary metal and mineral products processing
7301	foreman/woman, processing and packaging equipment maintenance	9212	foreman/woman, refinery unit
9222	foreman/woman, production - electronic equipment manufacturing	7205	foreman/woman, refractory bricklayers
9217	foreman/woman, production - fabric, fur and leather products manufacturing	7205	foreman/woman, refrigeration and air conditioning equipment insulators
9217	foreman/woman, production - fur products manufacturing	7301	foreman/woman, refrigeration mechanics
8221	foreman/woman, production - mining and quarrying	7301	foreman/woman, refrigeration
9221	foreman/woman, production line - motor vehicle manufacturing	9213	foreman/woman, rendering plant workers
7301	foreman/woman, production machinery maintenance	7204	foreman/woman, residential construction
7301	foreman/woman, propeller repair	9214	foreman/woman, retread tire inspection
9215	foreman/woman, pulp and paper mill	7302	foreman/woman, road maintenance
9215	foreman/woman, pulp mill	9211	foreman/woman, rock crusher - primary metal and mineral products processing
9215	foreman/woman, pulp processing - pulp and paper	9214	foreman/woman, roll building - rubber manufacturing
9212	foreman/woman, pumping and blending - chemical processing	9211	foreman/woman, rolling mill - primary metal processing
9212	foreman/woman, pumping and pipeline equipment operators	7205	foreman/woman, roofers (except sheet metal roofs)
9217	foreman/woman, quality control - textile processing	7205	foreman/woman, roofers
8221	foreman/woman, quarry	7303	foreman/woman, rotogravure press operators - printing
9211	foreman/woman, quenching - mineral and metal processing	7303	foreman/woman, rotogravure pressmen/women - printing
9211	foreman/woman, quenching - primary metal processing	7303	foreman/woman, rotogravure
7301	foreman/woman, rail transport equipment repair	9226	foreman/woman, rototiller assembly
7301	foreman/woman, rail transport equipment repairers	9214	foreman/woman, rubber goods dipping
7301	foreman/woman, railway car inspection	9214	foreman/woman, rubber hose building
7301	foreman/woman, railway car inspectors	9214	foreman/woman, rubber hose inspection and testing
7301	foreman/woman, railway car maintenance	9214	foreman/woman, rubber products inspectors
7301	foreman/woman, railway car repair	9214	foreman/woman, rubber products manufacturing
7301	foreman/woman, railway car repairers	9212	foreman/woman, sanitary service
7301	foreman/woman, railway equipment maintenance inspectors	9227	foreman/woman, sash and door assembly
7302	foreman/woman, railway gang	9227	foreman/woman, sash and door shop
7302	foreman/woman, railway maintenance-of-way	9215	foreman/woman, sawmill
7301	foreman/woman, railway rolling stock assembly	9227	foreman/woman, scale assembly
7301	foreman/woman, railway rolling stock manufacturing	9211	foreman/woman, scrap preparation - primary metal and mineral products processing
		9211	foreman/woman, scrap preparation - primary metal processing
		9215	foreman/woman, screen room - pulp and paper
		9222	foreman/woman, semiconductor assembly
		9212	foreman/woman, sewage disposal
		9212	foreman/woman, sewer services

9217	foreman/woman, sewing machine operators - fabric, fur and leather products manufacturing	7205	foreman/woman, stonemasons
7201	foreman/woman, sheet metal workers	8221	foreman/woman, stope - mining
8221	foreman/woman, shift - mining and quarrying	7201	foreman/woman, structural metal erectors
9215	foreman/woman, shingle mill - wood processing	7201	foreman/woman, structural metal fabricators
9215	foreman/woman, shingle mill	7205	foreman/woman, structural steel workers
7204	foreman/woman, ship joiners	9213	foreman/woman, stucco plasterers
9226	foreman/woman, shipyard painters	9213	foreman/woman, sugar filter house
8221	foreman/woman, shot - mining and quarrying	9213	foreman/woman, sugar processing workers
7202	foreman/woman, signaling system installation	9213	foreman/woman, sugar refining
9211	foreman/woman, sintering plant - mineral and metal processing	9217	foreman/woman, suitmaking
9211	foreman/woman, sintering plant - primary metal and mineral products processing	7302	foreman/woman, surface mine blasting
9213	foreman/woman, slaughtering and meat packing workers	8221	foreman/woman, surface mine
9226	foreman/woman, small engine assembly	9223	foreman/woman, switchgear assembly
7301	foreman/woman, small engine repair	9222	foreman/woman, systems test - electronics manufacturing
7301	foreman/woman, small-engine repair shop	9211	foreman/woman, tankhouse - primary metal and mineral products processing
9211	foreman/woman, smelter - primary metal and mineral products processing	9217	foreman/woman, tannery - hide and pelt processing
9226	foreman/woman, snowblower tractor assembly	9211	foreman/woman, tapper operations - mineral and metal processing
9226	foreman/woman, snowmobile assembly	7302	foreman/woman, tarmac paving
9214	foreman/woman, snowtrack - rubber manufacturing	9213	foreman/woman, tea blending plant
9227	foreman/woman, spikemaking	7202	foreman/woman, telecommunication cable installation
9217	foreman/woman, spinning room - textile processing	7202	foreman/woman, telecommunication installers and repairers
9227	foreman/woman, sporting equipment manufacturing	7202	foreman/woman, telecommunication line installation, repair and testing
7203	foreman/woman, sprinkler system installers	7202	foreman/woman, telecommunication line installers, repairers and testers
9217	foreman/woman, spun yarn preparation	7202	foreman/woman, telecommunication line installers
7205	foreman/woman, stain glass installers	7202	foreman/woman, telecommunication line maintenance
7205	foreman/woman, stained glass glaziers	7202	foreman/woman, telecommunication line repairers
7204	foreman/woman, stair builders	7202	foreman/woman, telecommunication service
9212	foreman/woman, steam plant	7202	foreman/woman, telecommunications installation and repair workers
7203	foreman/woman, steamfitters	7202	foreman/woman, telephone installation
7201	foreman/woman, steel fitters - metal fabrication	9211	foreman/woman, tempering - primary metal processing
7201	foreman/woman, steel frame erectors	7205	foreman/woman, terrazzo setters
7201	foreman/woman, steel riggers	9222	foreman/woman, testing - electronic equipment manufacturing
7201	foreman/woman, steel structure erectors	9213	foreman/woman, testing and grading - food, beverage and tobacco processing
7303	foreman/woman, stereotypists and electroplaters	9213	foreman/woman, testing, grading and sampling - food and beverage processing
9217	foreman/woman, stitching department - fabric, fur and leather products manufacturing	7301	foreman/woman, textile machine mechanics
9214	foreman/woman, stock preparation - rubber manufacturing	7301	foreman/woman, textile machinery assembly
9211	foreman/woman, stone processing	9217	foreman/woman, textile processing
9211	foreman/woman, stone products manufacturing	9227	foreman/woman, thermostat assembly
		9213	foreman/woman, threshing department - tobacco processing
		7205	foreman/woman, tilesetters

9213	foreman/woman, tipping department - tobacco processing	9212	foreman/woman, water treatment plant
9214	foreman/woman, tire building	7302	foreman/woman, water well drilling
9214	foreman/woman, tire finishing	7205	foreman/woman, waterproofers
9214	foreman/woman, tire inspection	7302	foreman/woman, waterworks construction
9214	foreman/woman, tire retread	9217	foreman/woman, weaving inspectors - textile processing
9214	foreman/woman, tire stock preparation	9217	foreman/woman, weaving room - textile processing
9213	foreman/woman, tobacco curing room	9217	foreman/woman, weaving
9213	foreman/woman, tobacco processing	8255	foreman/woman, weed control
9213	foreman/woman, tobacco-processing occupations	7201	foreman/woman, welders
7201	foreman/woman, tool and die inspectors	9213	foreman/woman, wet starch - food and beverage processing
7201	foreman/woman, tool and die makers	7301	foreman/woman, wheel shop - railway equipment
7201	foreman/woman, tooling inspectors	9215	foreman/woman, winding room - pulp and paper
9215	foreman/woman, tour - pulp and paper	9211	foreman/woman, wire drawing - primary metal processing
9227	foreman/woman, toy assembly	9224	foreman/woman, wood machining workers - furniture and fixtures manufacturing
9227	foreman/woman, toy manufacturing	7204	foreman/woman, wood patternmakers
9226	foreman/woman, tractor-trailer assembly	9224	foreman/woman, wood sanders - furniture and fixtures manufacturing
7301	foreman/woman, transformer repair shop	9224	foreman/woman, wood sawing (except sawmill)
9215	foreman/woman, treating plant - wood processing	7205	foreman/woman, wood shingle roofers
9226	foreman/woman, truck assembly	9215	foreman/woman, wood treating plant
7305	foreman/woman, truck drivers	9227	foreman/woman, wooden barrel makers
7305	foreman/woman, truck fleet	9227	foreman/woman, wooden box maker
9226	foreman/woman, truck trailer assembly	9227	foreman/woman, wooden truss makers - manufacturing
7301	foreman/woman, turbine assembly	9227	foreman/woman, woodenware assemblers
7303	foreman/woman, typesetters - printing	9224	foreman/woman, wood-machining quality-control inspectors - furniture and fixtures manufacturing
7202	foreman/woman, underground electrical conduits	9224	foreman/woman, woodworking machine department
8221	foreman/woman, underground mine	9224	foreman/woman, woodworking machine operators - furniture and fixtures manufacturing
9217	foreman/woman, upholsterers - fabric, fur and leather products manufacturing	9217	foreman/woman, wool sorters and graders - textile processing
9211	foreman/woman, uranium processing	9217	foreman/woman, wool sorting and grading
7305	foreman/woman, urban transit system	7302	foreman/woman, wrecking crew
8252	foreman/woman, vegetable farm workers	9215	foreman/woman, yard - pulp and paper
9226	foreman/woman, vending machine assembly	7201	foreman/woman, zinc roofers
9215	foreman/woman, veneer - wood processing	2221	foreman/woman, zoo
9215	foreman/woman, veneer inspection - wood processing	2112	forensic chemist
9224	foreman/woman, veneering - furniture and fixtures manufacturing	2211	forensic examiner - alcohol
9224	foreman/woman, veneering shop - furniture and fixtures manufacturing	2221	forensic examiner, hair and fibre
8252	foreman/woman, vineyard	2211	forensic lab analyst, chemical
9212	foreman/woman, viscose filtration - chemical processing	2211	forensic laboratory technician
9214	foreman/woman, vulcanizing - rubber manufacturing	2221	forensic laboratory technologist, biological
9215	foreman/woman, waferboard making - wood processing	3111	forensic pathologist
9215	foreman/woman, waferboard	5221	forensic photographer
9213	foreman/woman, wash house - food and beverage processing	4151	forensic psychologist
9212	foreman/woman, water and sanitation-utilities equipment operating occupations		
9212	foreman/woman, water purification plant		

8432	forest assistant nursery	2271	forestry patrol pilot
2121	forest ecologist	0412	forestry policy director - government services
4162	forest economist	4011	forestry professor - university
2122	forest engineer	0412	forestry programs manager - government services
2223	forest engineering technician	2122	forestry superintendent
2223	forest engineering technologist	8211	forestry supervisor
2223	forest extension technician	2223	forestry technician
2223	forest fire officer	2223	forestry technologist
2223	forest fire ranger	8422	forestry worker - logging
2223	forest fire technician	8422	forestry worker
8422	forest firefighter	7311	forge equipment repairer
2223	forest firefighting crew leader	9612	forge helper
2223	forest inventory resource officer	9416	forge manipulator operator
2122	forest nursery forester	9226	forge shop foreman/woman - metal products manufacturing
8432	forest nursery worker	7311	forge shop machinery mechanic
8211	forest operations supervisor	7311	forge shop machinery repairer
2121	forest pathologist	9612	forger helper
2223	forest planning technician	9226	forgers foreman/woman - metal products manufacturing
9215	forest products processing supervisor	9416	forging air hammer operator
7384	forest products saw filer	7232	forging die finisher
2211	forest products technologist	7232	forging die maker
2223	forest protection co-ordinator	9416	forging machine operator
2224	forest ranger - wildlife management	9416	forging machine setter
2223	forest regional inventory technician	9416	forging machine set-up man/woman
2223	forest research technologist	9416	forging press operator
0412	forest resource analysis chief - government services	9416	forging press tender
2223	forest resource management technician	9416	forging roll operator
2223	forest resource technician	2261	forging tester
4162	forest resources economist	7334	forklift mechanic
2271	forest spray pilot	7452	forklift operator
2223	forest survey technician	7452	forklift truck operator
2223	forest technician	7271	form builder - carpentry
8421	forest worker - logging	7204	form builders foreman/woman
2122	forester, Crown lands	7271	form carpenter
2122	forester, extension	5241	form layout designer
2122	forester, parks and recreation	7611	form remover - construction
2122	forester, private lands	7611	form setter, metal - construction
2122	forester, professional	7611	form stripper - construction
2122	forester, projects	6513	formal service waiter/waitress
2122	forester, research	8412	formation fracturing operator - oil field services
2122	forester	8412	formation fracturing operator
0811	forestry and logging manager	1423	formatter operator - typesetting
8211	forestry conservation contractor	9535	former, blisters - plastic products manufacturing
2223	forestry conservation technician	9414	former, corrugated asbestos board
2223	forestry conservation technologist	9525	former, heavy-duty coils - industrial electrical equipment
8422	forestry conservation worker	9418	former, metal nuts
2223	forestry crew co-ordinator	9537	former, metal-sheathed insulation
8211	forestry crew supervisor	9535	former, Plexiglas
8422	forestry crew worker	9414	former, pottery and porcelain - clay products
8422	forestry crewman/woman	9619	former, shoe parts
6221	forestry equipment sales representative	9418	former, wire screens
2223	forestry extension technician		
8211	forestry foreman/woman		
8616	forestry labourer		
6221	forestry machinery sales representative		
0811	forestry operations manager		

9434	forming line operator, hardboard	9611	foundry worker - primary metal processing
9414	forming machine operator - concrete, clay and stone products	9412	foundry worker
9416	forming machine operator - metal fabrication	9537	fountain pen inspector
9434	forming machine operator, particleboard	9537	fountain pen maker
9416	forming press operator - metal fabrication	9433	fourdrinier machine operator - pulp and paper
9416	forming roll set-up operator - metal fabrication	2274	fourth engineer - water transport
9416	forming roll tender - metal fabrication	9433	fourth hand - pulp and paper
9527	forming room operator - electrical equipment manufacturing	9241	fourth-class power engineer
9413	forming-cutting operator - glass products	9241	fourth-class stationary engineer
1452	forms control clerk	9537	foxer - footwear
5241	forms designer	9423	foxer - rubber goods
1122	forms management analysts supervisor	8412	frac driver - oil field services
1221	forms management officer	9232	fractionator operator
9615	formula weigher - rubber and plastic products manufacturing	3414	fracture room attendant
9421	formulation blender operator, pesticides	8222	fracturing supervisor - oil field services
2211	formulation technician	8222	fracturing supervisor
9421	formulations blender operator - chemical processing	9522	frame assembler - motor vehicle manufacturing
9421	formulations blender operator	9532	frame assembler, wood furniture
6564	fortune teller	9526	frame builder, buses and trucks
9619	forwarder - printing	5212	frame fitter - museums and art galleries
8241	forwarder operator - logging	9418	frame machine operator, tents
0731	forwarder, freight	9532	frame maker - furniture manufacturing
5112	fossil conservator	9537	frame maker, eyeglasses
5112	fossil curator	9534	frame moulding finisher - furniture manufacturing
5212	fossil recovery and reparation technician	9534	frame moulding painter - furniture manufacturing
4411	foster father	9441	frame spinner - textile manufacturing
4411	foster mother	9437	frame table operator - woodworking
4411	foster parent	7246	frame wirer - telephone
7611	foundation dampproofing helper	7246	frameman/woman - telecommunications
7372	foundation drill operator - construction	6741	framer - laundry and dry cleaning
7611	foundation drill operator helper	5212	framer - museum and art gallery
7372	foundation drill operator	7611	framer helper - construction
2131	foundation engineer	9537	framer, mirrors
7611	foundation form worker	9437	framer, poles - wood products
9447	foundation garments inspector	7271	framer-carpenter
9537	foundation maker, hats - fabric products manufacturing	7204	framers foreman/woman
2231	foundation technologist	3223	framework finisher, dentures
7611	foundation waterproofer, construction	7271	framing carpenter
2142	foundry engineer	6421	framing sales consultant - retail
9211	foundry foreman/woman	5212	framing technician
9412	foundry furnace operator	9437	frazer - woodworking
9611	foundry helper - primary metal processing	9437	fraying machine operator - woodworking
2212	foundry laboratory technician	1221	freedom of information officer
9611	foundry labourer	5231	freelance announcer
0911	foundry manager	9423	freeze tumbler tender - rubber products manufacturing
9612	foundry mould finisher	9461	freeze-dry food processor
9412	foundry mouldmaker	9461	freezer operator - food and beverage processing
9412	foundry pourer	9617	freezer worker - food and beverage processing
9412	foundry sand mixer	9617	freezing worker - food and beverage processing
9415	foundry sand tester		
9211	foundry supervisor		

1312	freight adjuster - insurance	5122	French editor
6524	freight agent - railway	4032	French immersion teacher - elementary school
6524	freight agent (except airline)		
7534	freight attendant - air transport	4011	French language professor - university
7622	freight car checker - railway	6332	French pastry baker - retail
6732	freight car cleaner	4032	French teacher - elementary school
7531	freight car distributor - railway yard	4031	French teacher - secondary school
2262	freight car inspector	9523	frequency measurer, crystals - electronic equipment manufacturing
7452	freight car loader	6532	freshwater angling guide
7452	freight car unloader	9435	friction paint machine tender - paper converting
7622	freight car weigher		
1521	freight checker	6525	front desk agent
0731	freight company manager	6611	front desk cashier
0731	freight division manager	1414	front desk clerk (except hotel)
6742	freight elevator operator	6525	front desk clerk, hotel
0731	freight forwarder	6525	front desk hotel clerk
1521	freight forwarding clerk	0632	front desk hotel manager
1215	freight forwarding logistician	0632	front desk manager - accommodation services
0731	freight forwarding manager		
6411	freight forwarding services sales representative	0632	front desk manager, hotel
1215	freight forwarding supervisor	7521	front end loader operator
1215	freight forwarding technician	7202	front line supervisor - power line maintenance
1215	freight forwarding unit supervisor		
7452	freight handler (except air transport)	7202	front line supervisor, cable workers
7302	freight handling foreman/woman	6525	front office clerk, hotel
7452	freight loader (except air transport)	6525	front office hotel clerk
7302	freight loading foreman/woman	0632	front office manager, hotel
1521	freight receiver clerk	7362	front-end brakeman/woman
1521	freight receiver	7321	front-end mechanic
1521	freight receiving clerk	9461	frosting maker - food and beverage processing
6411	freight sales agent		
6411	freight services sales representative	9461	frosting mixer - food and beverage processing
1521	freight shipper		
1215	freight supervisor	9463	frozen fish cutter - fish processing
7302	freight terminal foreman/woman	9617	frozen food packer
6411	freight traffic agent	9617	frozen meat cutter helper
1215	freight traffic co-ordinator	9461	frozen stick novelty maker - food and beverage processing
0731	freight traffic manager		
1215	freight traffic scheduling supervisor	9461	frozen-dough-baking machine tender
1215	freight traffic supervisor	9617	fruit and vegetable cleaner - food and beverage processing
7362	freight train brakeman/woman		
7362	freight train conductor	9465	fruit and vegetable grader - food and beverage processing
7361	freight train engineer		
7511	freight truck driver	9461	fruit and vegetable machine operator
7452	freight unloader (except air transport)	2222	fruit and vegetables inspector
1431	freight-rate clerk	6222	fruit buyer
1431	freight-rate revision clerk	9461	fruit cooker - food and beverage processing
4032	French as a second language teacher - elementary school	8431	fruit examiner - agriculture
4031	French as a second language teacher - secondary school	8252	fruit farm foreman/woman
4021	French as a second language teacher (except elementary, high school or university)	8431	fruit farm labourer
		0821	fruit farm operator
		8431	fruit farm worker
		8252	fruit farm workers foreman/woman
		0821	fruit farmer
4031	French as a second language teacher, high school	8431	fruit farming labourer
		9213	fruit grading foreman/woman

0821	fruit grower	6722	fun house operator
8611	fruit harvest worker	1123	fundraiser
8611	fruit harvester	1123	fundraising campaign consultant
8611	fruit harvesting labourer	0124	fundraising campaign manager
2222	fruit inspector	1123	fundraising campaign organizer
9461	fruit mixer - food and beverage processing	1123	fundraising consultant
8611	fruit or vegetable picker	1123	fundraising organizer
8611	fruit packer - farm	7513	funeral chauffeur
9617	fruit peeler - food and beverage processing	6346	funeral director, assistant
8611	fruit picker	6346	funeral director
9617	fruit preparer - food and beverage processing	7513	funeral driver
9461	fruit preserver - food and beverage processing	6742	funeral home attendant
9461	fruit press tender - food and beverage processing	6346	funeral home director
9461	fruit presser	6346	funeral services director
0821	fruit producer	0015	funeral services general manager
6421	fruit seller	9523	funnel coater - electronic equipment manufacturing
8611	fruit sorter - farm	9441	fur blender
9617	fruit splitter	9537	fur blocker
8431	fruit tree pruner	9441	fur blower - textile manufacturing
8431	fruit tree thinner	6222	fur buyer
9213	fruit-and-vegetable canning, preserving and packing workers foreman/woman	6741	fur cleaner - laundry and dry cleaning
0621	fruits and vegetables manager - retail	0651	fur cleaning plant manager
9461	fry cook - food and beverage processing	6316	fur cleaning supervisor
8613	fry marker - fishing	9445	fur cutter
8613	fry marker	5243	fur designer
8613	fry tagger	9441	fur dresser - hide and pelt processing
9461	fryer operator - food and beverage processing	9217	fur dressing foreman/woman - hide and pelt processing
9463	fryer, fish - fish processing	9217	fur dressing foreman/woman
7321	fuel and electrical systems technician - motor vehicle	8431	fur farm worker
7622	fuel and sand operator - railway transport	0821	fur farmer
9537	fuel filter assembler	8431	fur farming worker
9232	fuel gas treater	9441	fur floor worker - hide and pelt processing
7312	fuel injection unit servicer - diesel	5245	fur garment patternmaker
9434	fuel log maker - wood processing	6741	fur glazer - laundry and dry cleaning
7511	fuel oil truck driver	9446	fur goods sewer
9526	fuel pump assembler	9447	fur grader
9537	fuel rod assembler	9217	fur hatmaking department foreman/woman
9423	fuel tank builder, rubber	6741	fur ironer - laundry and dry cleaning
9423	fuel tank finisher and repairer, rubber	6741	fur ironer glazer - laundry and dry cleaning
9423	fuel tank form builder	6741	fur ironing machine operator - laundry and dry cleaning
2211	fuel technician	6741	fur lining presser - laundry and dry cleaning
7622	fuel truck driver helper	6741	fur lusterizer - laundry and dry cleaning
2134	fuels engineer	9447	fur matcher - fur products manufacturing
4011	full professor - university	9441	fur mixer
9441	fuller - textile manufacturing	5245	fur patternmaker
9441	fulling machine operator - textile manufacturing	9441	fur pelt dresser - hide and pelt processing
9441	fulling mill operator - textile manufacturing	9441	fur plucker - hide and pelt processing
9411	fume scrubber operator	9217	fur products manufacturing foreman/woman
7444	fumigator, pests	5245	fur products patternmaker
7444	fumigator	8431	fur ranch labourer
		6342	fur remodeller
		6342	fur repair estimator
		6342	fur repairman/woman
		6421	fur salesperson - retail

9446	fur sewer	1314	furniture appraiser
9446	fur sewing machine operator	9532	furniture assembler, metal
9447	fur sorter, hats	9532	furniture assembler, wood
9447	fur sorter	9532	furniture assembler
6741	fur steamer	9224	furniture assembly foreman/woman - furniture and fixtures manufacturing
6742	fur storage attendant		
6342	fur tailor	9532	furniture assembly inspector - furniture manufacturing
6411	fur trader		
8442	fur trapper	9534	furniture buffer - furniture finishing
6742	fur vault custodian	7272	furniture cabinetmaker
0821	fur-bearing-animal farmer	9532	furniture caner
6741	fur-drummer machine operator - laundry and dry cleaning	9532	furniture checker
9241	furnace boiler operator	9224	furniture components sanding department foreman/woman
7237	furnace brazier	9619	furniture crater
9411	furnace charger - mineral and metal processing	9534	furniture decorator - furniture finishing and refinishing
9611	furnace charger - primary metal processing	2252	furniture designer
9611	furnace cleaner - primary metal and mineral products processing	9534	furniture enameller
6732	furnace cleaner	0911	furniture factory manager
7253	furnace converter	9534	furniture finisher and repairer
9421	furnace cooler	9534	furniture finisher
9524	furnace electrode inspector	9224	furniture finishers foreman/woman - furniture and fixtures manufacturing
9611	furnace feeder - primary metal and mineral products processing	9224	furniture finishers supervisor
9611	furnace helper	9534	furniture finishing decorator
7331	furnace installer and repairer (except gas)	9224	furniture finishing foreman/woman - furniture and fixtures manufacturing
7301	furnace installers foreman/woman	9532	furniture finishing inspector
9611	furnace loader - primary metal and mineral products processing	9534	furniture finishing varnisher
7331	furnace maintenance mechanic (except gas)	9532	furniture fitter-up - furniture manufacturing
7331	furnace mechanic (except gas)	9224	furniture gluers foreman/woman - furniture and fixtures manufacturing
9211	furnace operations foreman/woman - primary metal and mineral products processing	9532	furniture inspector
9412	furnace operator - foundry	9224	furniture inspectors foreman/woman
9231	furnace operator - primary metal and mineral products processing	7452	furniture loader-unloader
7331	furnace repairer (except gas)	9619	furniture manufacturing labourer
7612	furnace repairer helper	7622	furniture mover helper
7331	furnace repairman/woman (except gas)	7452	furniture mover
9611	furnace skimmer - primary metal and mineral products processing	9619	furniture packer
7237	furnace solderer	9619	furniture panel coverer - furniture assembly
9611	furnace tapper - primary metal processing	9532	furniture parts inspector
6421	furniture and appliances salesperson - retail	9534	furniture polisher - furniture finishing
9532	furniture and fixtures assembler	9534	furniture polisher, wood - furniture finishing
9532	furniture and fixtures assembling inspector	9534	furniture refinisher
9532	furniture and fixtures assembly inspector	9534	furniture refinishing varnisher
9532	furniture and fixtures inspector - furniture manufacturing	9534	furniture reproducer
9532	furniture and fixtures manufacturing inspector	6421	furniture sales consultant - retail
9224	furniture and fixtures manufacturing supervisor	6421	furniture salesperson - retail
1225	furniture and furnishings purchaser	6421	furniture salesperson
5112	furniture and wooden objects conservator	9532	furniture shipping inspector
		9534	furniture stainer
		0621	furniture store manager
		9534	furniture stripper
		6345	furniture upholsterer
		9534	furniture varnisher
		9534	furniture-finishing machine operator

6342 furrier
9217 furriers foreman/woman
9217 furriers supervisor
9441 fur-shaving machine tender - hide and pelt processing
9441 furskin dresser - hide and pelt processing
9421 fuse maker - chemical processing
9521 fuselage assembler
9521 fuselage fitter - aircraft assembly
0121 futures research manager
0121 futures research services manager
1113 futures trader

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5226 gaffer
6742 gallery attendant
9612 galvanizer helper
9536 galvanizer
9211 galvanizing foreman/woman - metal and mineral products processing
9226 galvanizing foreman/woman
9536 galvanizing machine operator
4153 gambling addictions counsellor
4153 gambling addictions therapist
6533 gambling table operator
9617 gambreler - food and beverage processing
6722 game booth operator
6722 game concession operator
2174 game developer, computer
2224 game officer
5231 game show host/hostess
8442 game trapper
2224 game warden
5121 game, CD-ROM or Web critic
5251 gamer - video games
6533 gaming table dealer
6533 gaming table operator - casino
6313 gaming tables supervisor
7531 gandy dancer - railway
7302 gang foreman/woman - railway
7302 gang foreman/woman, bridge and highway construction
7302 gang foreman/woman, concrete laying
7302 gang foreman/woman, construction
9423 gang press operator - rubber products manufacturing
9437 gang rip saw operator - woodworking
9431 gang sawyer - sawmill
9414 gang sawyer - stone products manufacturing
9437 gang sawyer - woodworking
9431 gang sawyer, logs - sawmill
7371 gantry crane operator
6742 garage attendant
7441 garage door installer
6742 garage jockey

0621 garage manager, automobile repairs
7321 garage mechanic
7301 garage supervisor
4423 garbage collection inspector
7522 garbage collector - driver
7621 garbage receptacle maintainer
7522 garbage truck driver - public works
7522 garbage truck driver
7621 garbage truck loader
6321 garde-manger chef
0621 garden centre manager - retail
9526 garden machinery assembler
6421 garden supplies sales clerk
7335 garden tractor repairer
8612 gardener helper
2225 gardener, landscape
2225 gardener
8612 gardening helper, landscape
8612 gardening helper
9619 garment bagger - garment manufacturing
9446 garment braid maker - garment manufacturing
9446 garment braider - garment manufacturing
6741 garment cleaner - laundry and dry cleaning
5243 garment designer
6741 garment dyer - laundry and dry cleaning
9619 garment factory labourer
9447 garment final inspector
6342 garment fitter
9619 garment folder
9619 garment fringer - garment manufacturing
9447 garment inspector
9442 garment looper
9619 garment manufacturing final assembler
9217 garment manufacturing foreman/woman
9447 garment manufacturing inspector
9445 garment marker
9619 garment mender - garment manufacturing
9446 garment mender - sewing
9619 garment notcher - garment manufacturing
9619 garment packer - garment manufacturing
9619 garment parts sorter - garment manufacturing
5245 garment patternmaker
9619 garment plant labourer
6622 garment price marker
6342 garment repair seamstress
9619 garment ripper - garment manufacturing
9619 garment sorter - garment manufacturing
9619 garment steamer - garment manufacturing
9441 garment steamer tender
9619 garment waterproofer - garment manufacturing
6421 garments and other textile products sales representative - retail
9441 garnett machine tender - textile manufacturing

7237	gas and arc welder	7442	gas regulator
7332	gas appliance repairer	1525	gas service crew dispatcher
7332	gas appliance servicer - customer service	7203	gas service foreman/woman
7332	gas appliance servicer	7203	gas service supervisor
6621	gas bar attendant (except self-service)	7253	gas servicer
6611	gas bar attendant, self-serve	6621	gas station attendant (except self-serve)
6611	gas bar cashier, self-serve	0621	gas station manager
7237	gas brazer	7332	gas stove repairer
1315	gas broker	0912	gas supply manager
9524	gas charger, refrigeration equipment	0912	gas supply operations manager
2211	gas chromatographer	7253	gas technician
9232	gas control coordinator	8232	gas tester - oil field services
9232	gas control operator	9212	gas transmission supervisor
9232	gas controller	7315	gas turbine engine mechanic
7253	gas customer servicer	7311	gas turbine repairer
9232	gas dispatcher	9613	gas utility labourer
9212	gas distribution foreman/woman	7442	gas utility operator
0016	gas distribution general manager	2132	gas utilization mechanical engineer
0912	gas distribution manager	7237	gas welder
0811	gas field operations manager	7253	gas works troubleshooter
9232	gas field operator	9613	gasket coater
9232	gas field production operator	9423	gasket cutter, rubber
9212	gas field supervisor	9423	gasket finisher, rubber
7332	gas fireplace servicer	9423	gasket maker, rubber
7253	gas fitter apprentice	9423	gaskets gluer, rubber
9613	gas fitter helper - utilities	9232	gasoline catalyst operator
7253	gas fitter trainee	9526	gasoline engine assembler
7253	gas fitter	9526	gasoline pump calibrator
7253	gas fitter-installer	9526	gasoline pump tester
7203	gas fitters foreman/woman	7511	gasoline truck operator
7203	gas fitters supervisor	7335	gasoline-powered lawn mower mechanic
9526	gas furnace assembler	7335	gasoline-powered snow blower repairer
6621	gas jockey	7335	gas-powered small equipment mechanic
7442	gas leak inspector	7237	gas-shielded arc welder
7442	gas leak locator	7237	gas-shielded arc welding machine operator
7442	gas leak surveyor	9232	gas-treating unit operator
7203	gas line fitters foreman/woman	3111	gastroenterologist
9232	gas liquefaction and regasification plant operator	0311	gastro-enterology, chief of
7253	gas main fitter	6541	gate attendant - security
7442	gas main maintenance and repairman/woman	6722	gate attendant, campground
7442	gas maintenance worker	7622	gateman/woman - railway transport
9537	gas meter assembler	6541	gateman/woman
7442	gas meter installer	9413	gatherer - glass products manufacturing
7612	gas meter repairer helper	9473	gatherer and gluer, machine - printing
7445	gas meter repairer	9619	gathering machine feeder - printing
7445	gas meter servicer	9473	gathering machine operator - printing
7445	gas meter tester	9473	gathering machine set-up operator - printing
7253	gas pipefitter	7232	gauge maker - tool and die
7611	gas pipelayer - construction	9465	gauger - wineries
9232	gas pipeline operator	9232	gauger, oil
9212	gas plant foreman/woman	9232	gauger, pipelines
9232	gas plant operator	9523	gauger, semiconductor material - electronic equipment manufacturing
9232	gas pressure regulator	9537	gauze pad machine tender
9232	gas processing controller	9417	gear cutter
9232	gas recovery operator	9417	gear grinder
		9417	gear hobber set-up operator

7231	gear inspector-machinist	7204	general foreman/woman, residential construction
9417	gear roller grinder	9619	general helper - small electrical appliance assembly
7231	gear tester-machinist	6231	general insurance representative
9526	gear train assembler	9619	general labourer - electrical equipment assembly
9526	gearbox assembler	9619	general labourer - light-fixture assembly
9526	gearcase assembler, agricultural implements	9619	general labourer - manufacturing
9526	gearcase assembler	7621	general labourer - public works
9526	gearcase tester	9619	general labourer, assembly line
9417	gear-cutting machine set-up operator	9417	general machine tool set-up operator
9417	gear-cutting machine tender	7231	general machinist
9417	gear-grinding machine set-up operator	0013	general manager - financial, communications and other business services
9417	gear-hobbing machine set-up operator	0016	general manager - goods production, utilities, transportation and construction
9417	gear-hob-milling machine set-up operator	0012	general manager - government services
9417	gear-lapping machine operator	0014	general manager - health, education, social and community services and membership organizations
9417	gear-lapping machine set-up operator	0015	general manager, cleaning service
9417	gear-milling machine operator	0014	general manager, membership organization
9417	gear-milling machine set-up operator	0513	general manager, professional sport team
9417	gear-rolling machine operator	0513	general manager, professional track and field team
9417	gear-shaper operator	0013	general manager, real estate management company
9417	gear-shaving machine set-up operator	0015	general manager, sales - trade, broadcasting and other services
9422	gel coat sprayer operator - plastic manufacturing	0016	general manager, trucking company
9461	gelatin evaporator filter operator	1411	general office clerk
9461	gelatin extractor tender	1211	general office clerks supervisor
9461	gelatin powder mixer	1411	general office worker
9617	gelatin stock cooker attendant	3111	general pathologist
9461	gelatin stock maker	3113	general practice dentist
9461	gelatin-blending machine tender	3112	general practice intern
6344	gem cutter	3112	general practice physician
6344	gem expert	3112	general practice resident
6344	gem setter	3112	general practitioner (GP)
6344	gemologist	9522	general repairer and adjuster - motor vehicle manufacturing
1111	general accountant	0012	general secretary - government services
0731	general agent, railway transport	0513	general secretary, YMCA (Young Men's Christian Association)
9523	general assembler and light machine operator - electronic equipment manufacturing	4112	general solicitor
9221	general assembly supervisor - motor vehicle manufacturing	0621	general store manager
7204	general carpenters foreman/woman	0711	general superintendent, construction
7302	general construction foreman/woman	7204	general supervisor - building construction
7611	general construction labourer	7204	general supervisor - residential construction
7302	general construction supervisor	9221	general supervisor, assembly - motor vehicle manufacturing
0711	general contractor, construction	9221	general supervisor, motor vehicle assembly
0711	general contractor	3111	general surgeon
4112	general counsel	0731	general traffic manager - transportation
0513	general director, sport federation	0731	general transportation manager
0513	general director, YMCA (Young Men's Christian Association)	7237	general welder
2253	general draftsperson		
3012	general duty nurse - psychiatry		
3012	general duty nurse		
4162	general economist		
8431	general farm worker		
7204	general foreman/woman - building construction		
8221	general foreman/woman - mining		

0433	general	2255	geomatics technologist - aerial surveys
7236	generalist erector, steel structures	2255	geomatics technologist - cartography
7236	generalist steel structure erector	2255	geomatics technologist - geographical information systems
9241	generating station main operator	2254	geomatics technologist - land surveying
9241	generating station operator - electrical power systems	2255	geomatics technologist - photogrammetry
9241	generating station operator	2255	geomatics technologist - remote sensing
9241	generating station switchboard operator	4031	geometry teacher - secondary school
9241	generation substation operator - electrical power systems	2113	geomorphologist
7333	generator repairer	2212	geophysical data technician
7333	generator repairman/woman	2253	geophysical draftsman
9525	generator tester - industrial electrical equipment	2144	geophysical engineer
4153	genetic counsellor	2212	geophysical equipment operator, airborne
3111	geneticist - medical specialist	9523	geophysical instrument assembler - electronic equipment manufacturing
2121	geneticist	0212	geophysical manager
0212	geochemical manager	2212	geophysical observer
2211	geochemical technician	2212	geophysical prospecting technologist
2211	geochemical technologist	2212	geophysical survey technician
2113	geochemist	2212	geophysical survey technologist
2131	geodetic engineer	2212	geophysical technician
2254	geodetic survey technician	2212	geophysical technologist
2254	geodetic survey technologist	2113	geophysicist, exploration
4169	geographer	2113	geophysicist
2255	geographic information systems (GIS) technician	4011	geophysics professor - university
2255	geographic information systems (GIS) technologist	2144	geotechnical engineer
4011	geography professor - university	4167	geriatric activities co-ordinator
4031	geography teacher - secondary school	3413	geriatric aide
2253	geological draftsman	3012	geriatric care nurse
2144	geological engineer	3413	geriatric health care attendant
2212	geological engineering technician	3111	geriatric medicine specialist
2212	geological engineering technologist	3012	geriatric nurse
2255	geological information system technician	3011	geriatric nursing supervisor
2255	geological information system technologist	4167	geriatric recreational and leisure activities consultant
0212	geological manager	4167	geriatric recreational and leisure activities co-ordinator
2255	geological mapping technician	4167	geriatric recreational and leisure activities counsellor
2113	geological oceanographer	4152	geriatric social worker
2212	geological prospecting technologist	3111	geriatrician
2212	geological survey technician	3111	geriatrics specialist
2212	geological technician	3111	geriatrist
2212	geological technologist	9461	germ separator - food and beverage processing
2113	geologist, groundwater	9461	germ separator operator - food and beverage processing
2113	geologist, petroleum	4031	German teacher - secondary school
2113	geologist	4169	gerontologist
4011	geology professor - university	3012	gerontology nurse
2212	geology technical assistant	5121	ghost writer
2131	geomatics engineer	6421	gift shop clerk
2255	geomatics technician - aerial surveys	0621	gift shop manager
2255	geomatics technician - cartography	9441	gig machine operator - textile manufacturing
2255	geomatics technician - geographical information systems (GIS)	9536	gilder, metal-leaf
2254	geomatics technician - land surveying	8262	gill net fisherman/woman
2255	geomatics technician - photogrammetry	8441	gillnetter deckhand
2255	geomatics technician - remote sensing		

8262	gillnetter skipper	9413	glass lehr tender
0821	ginseng grower	9413	glass marker
2122	GIS (geographic information system) forester	9413	glass melter
2255	GIS (geographic information system) technician	9413	glass mixer
2255	GIS (geographic information systems) technologist	9413	glass mould cleaner
2113	glaciologist	9413	glass mould polisher
7292	glass and metal mechanic	9413	glass moulder
9413	glass bender	5244	glass novelty maker
9413	glass beveller operator	9611	glass packer
9413	glass beveller tender	5244	glass painter
9413	glass beveller	9413	glass polisher tender
5244	glass blower	9413	glass polisher
9413	glass breaker	9413	glass presser
9413	glass buffer	9211	glass processing foreman/woman
7384	glass calibrator	9211	glass products manufacturing foreman/woman
2112	glass chemist	9415	glass quality control inspector
9413	glass chipper	7292	glass setter - construction
6732	glass cleaner	7611	glass setter helper
9415	glass container tester	9413	glass spin mould machine set-up operator
9413	glass cut-off machine operator	9413	glass tank furnace operator
7452	glass cut-off machine unloader	9413	glass temperer
9413	glass cutter operator	9415	glass tester
9413	glass cutter, hand	7292	glass wall installer
9413	glass cutter	7292	glass wallcovering installer
9413	glass cutter-framer	9413	glass windshield autoclave operator
9211	glass cutters supervisor	9413	glass worker - glass products manufacturing
9211	glass cutting foreman/woman	7292	glass worker apprentice
9413	glass drill tender	7611	glass worker helper - construction
9413	glass edge finisher, hand	7292	glass worker
9413	glass edger operator	9413	glass-annealing furnace tender
9413	glass edger tender	9413	glass-blowing lathe operator
9413	glass edger	9413	glass-blowing machine operator
5244	glass engraver	9413	glass-blowing machine setter
9211	glass engraving foreman/woman	9413	glass-coating line operator
9413	glass etcher	9413	glass-decorating machine operator
9441	glass fibre dyer - textile manufacturing	9413	glass-drawing machine operator
9413	glass finisher	9413	glass-edging machine feeder
9211	glass forming foreman/woman	9619	glassfiber mat roller-packer
9413	glass forming operator	9442	glass-fibre-bonding machine tender
9413	glass forming specialist	9413	glass-finishing machine operator
9211	glass furnace foreman/woman	9611	glass-forming machine operator helper
9413	glass furnace operator	9413	glass-forming machine operator
9413	glass furnace setter-operator	9413	glass-forming machine setter
9413	glass furnace set-up operator	9413	glass-forming machine set-up person
9413	glass grinder	9211	glass-grinders and glass-polishers foreman/woman
9413	glass heater	9413	glass-grinding machine feeder
9415	glass inspector	9413	glass-pressing and glass-blowing machine operator
7205	glass installation and repair contractor	9413	glass-pressing machine operator
7205	glass installation foreman/woman	9413	glass-silvering machine operator
7292	glass installer-glazier	9413	glass-stopper grinder
7205	glass installers foreman/woman	9413	glass-tempering furnace operator
9413	glass laminator	9413	glass-tube-expander operator
9413	glass lathe operator	9413	glassware grinder
9413	glass lehr attendant	9413	glassware-banding machine tender
9413	glass lehr operator	9413	

9413	glassware-decorating machine operator	9473	gluing and folding machine operator - printing
5244	glassworker, hand	9224	gluing foreman/woman - furniture and fixtures manufacturing
9414	glaze maker - clay products	9423	gluing machine operator - rubber products manufacturing
9414	glazed products kilnman/woman - clay products	9617	gluten settler - food and beverage processing
7292	glazier and metal mechanic apprentice	9232	glycerine refiner
7292	glazier and metal mechanic	9232	glycerine refinery operator
7292	glazier apprentice	5253	goal judge
7611	glazier helper	0821	goat breeder
7205	glazier supervisor	9526	go-kart assembler
7292	glazier, building	7334	go-kart repairer
7292	glazier, curtain walls	6722	go-kart ride attendant
7292	glazier, exterior walls	6722	go-kart track attendant
7292	glazier, plate glass	2212	gold assayer
7292	glazier, stained glass	9473	gold leaf stamper - printing
7292	glazier, structural glass	9473	gold leaf stamper
7292	glazier, window sash and frame	2212	gold prospector
7292	glazier	9411	gold recoverer
7205	glazier-contractor	5244	goldsmith
7205	glaziers foreman/woman	9423	golf ball assembler
7205	glazing contractor	9423	golf ball maker
7205	glazing supervisor	9423	golf ball vulcanizer
4021	gliding instructor	9537	golf club adjuster
9414	glost kiln operator - clay products	9537	golf club assembler
9447	glove and mitten examiner	9533	golf club facer, wood
9445	glove cutter	7445	golf club head adjuster
5243	glove designer	9533	golf club head finisher, wood
9442	glove knitter	9537	golf club inspector
9619	glove liner	7445	golf club repairer
9423	glove maker, rubber	9619	golf club weigher
9217	glove makers foreman/woman	2152	golf course architect
9619	glove pairer	8612	golf course labourer
9471	glove printer	6722	golf course ranger
9446	glove stitcher	6722	golf course starter
9619	glove turner, hand	2225	golf course superintendent
9617	glucose transferrer - food and beverage processing	8612	golf course worker
9421	glue blender	5254	golf instructor
9533	glue clamp operator - wood products manufacturing	5251	golf player
9533	glue clamp operator, chain carrier - wood products manufacturing	6722	golf range attendant
9437	glue jointer operator - woodworking	5251	golfer
9437	glue machine operator - woodworking	6722	gondola operator
9437	glue machine tender - woodworking	1228	goods and services tax (GST) collection officer
9437	glue-bonding machine operator - woodworking	0412	goods and services tax (GST) manager
9437	glue-bonding machine tender - woodworking	5133	gospel singer
9532	gluer - furniture manufacturing	4217	gospel worker
9537	gluer - other products manufacturing	9437	gouger, lacrosse sticks - woodworking
9423	gluer - rubber products manufacturing	4216	gourmet cooking instructor - non-vocational
9533	gluer, assembly line - wood products manufacturing	4411	governess - child care
9435	gluer, cardboard boxes	0413	government administrator - education
9473	gluer, headbands and liners - printing	0012	government agency commissioner
9533	gluer, wood products	0012	government agency president
		0012	government agency senior administrator

2123	government agricultural service district representative	3012	graduate private duty nurse
0011	government leader	3012	graduate religious nurse
4168	government official	0421	graduate studies dean
1225	government supply officer	8431	grafter - orchard
0011	governor general	0821	grain and oilseed farmer
3112	GP (general practitioner)	0821	grain and oilseed grower
7521	gradall operator	0821	grain and oilseed producer
4032	grade school teacher	1113	grain broker - commodity trading
7611	grade tamper - construction	6411	grain broker - wholesale
9465	grader - food and beverage processing	1113	grain broker
9433	grader - pulp and paper	1225	grain buyer
9447	grader - textiles	9617	grain cleaner helper
9436	grader - wood processing	9461	grain cleaner-dryer - food and beverage processing
7316	grader fitter		
7521	grader operator	0012	grain commissioner
9436	grader tallyman/woman - wood processing	7452	grain conveyor operator
9415	grader, abrasive and clay products	9461	grain cooker - food and beverage processing
9415	grader, asbestos	8252	grain crop foreman/woman
9436	grader, board - wood processing	8252	grain custom harvester
9415	grader, bricks	6411	grain dealer
9465	grader, butter	6221	grain elevator agent
9465	grader, cheeses	6221	grain elevator district manager
9465	grader, cigarettes	7311	grain elevator maintenance mechanic
9465	grader, cigars	6221	grain elevator manager
9415	grader, clay products	6221	grain elevator operator
9415	grader, clay tiles - mineral products processing	8431	grain farm labourer
		0821	grain farm manager
9465	grader, cream	8431	grain farm operator
9447	grader, fabric	8431	grain farm worker
9465	grader, fish	0821	grain farmer
9447	grader, hosiery	0821	grain grower
9465	grader, lamb	7452	grain handler
9436	grader, lumber	2222	grain inspection supervisor
9465	grader, meat	2222	grain inspector
9465	grader, milk	0412	grain market analysis chief
9436	grader, particleboards - wood processing	0412	grain market analysis manager
9436	grader, plywood - wood processing	9461	grain meal processor - food and beverage processing
9532	grader, stock - furniture manufacturing		
9415	grader, stonework	6411	grain merchandiser
9465	grader, tobacco	9461	grain miller
9436	grader, veneer - wood processing	9461	grain mixer - food and beverage processing
9436	grader, veneer and plywood - wood processing	0821	grain producer
		1411	grain quotations board marker
9436	grader, wood processing	9461	grain roaster
9533	grader, wooden sashes and doors	9461	grain sample miller
9433	graderman/woman - pulp and paper	9465	grain sampler - food and beverage processing
9437	grader-operator, rip saw - woodworking		
7312	grading equipment mechanic	0714	grain terminal elevator manager
7302	grading equipment operators foreman/woman	1113	grain trader
		0121	grain trading manager
4012	graduate assistant - university	7452	grain weigher
3012	graduate nurse - doctor's office	9461	grain-cleaning machine operator - food and beverage processing
3012	graduate nurse - occupational health		
3012	graduate nurse - physician's office	9534	grainer - furniture finishing and refinishing
3012	graduate nurse	9534	grainer, wood - furniture finishing and refinishing
3233	graduate nursing assistant	9441	graining machine operator - tannery

9421	graining press operator - chemical processing	7291	gravel roofer
9213	grain-milling team supervisor	9611	gravel screener
9461	grain-processing machine operator	7511	gravel truck driver
9414	granite carver	2212	gravity data technician
9414	granite cutter	8615	gravity prospecting observer helper
9414	granite polisher, hand	7381	gravure press operator
9414	granite polisher, machine	7303	gravure press operators foreman/woman
9414	granite products polisher	7381	gravure pressman/woman
7283	granite setter	9472	gravure printer - prepress
4154	granthi	7381	gravure printer - printing
9412	granular aluminum caster - foundry	7303	gravure printers foreman/woman
9461	granulating machine tender - tobacco processing	7381	gravure printing press operator
9461	granulator - tobacco processing	7381	gravure proof press operator - printing
9421	granulator machine operator - chemical processing	7381	gravure proof puller - printing
9421	granulator machine operator	7381	gravure proof wallpaper puller
9411	granulator operator - phosphate	9232	grease maker
9461	granulator tender - food and beverage processing	7532	greaser, engine room - marine
0821	grape grower	7532	greaser, engine room
0821	grape producer	7535	greaser, heavy truck
5241	graphic artist	7531	greaser, journal boxes - railway yard
5223	graphic arts assembler	7531	greaser, railway cars
9472	graphic arts camera operator	7535	greaser
5223	graphic arts copy stylist	4031	Greek teacher - secondary school
6221	graphic arts equipment sales representative	5242	green design consultant - interior design
5223	graphic arts renderer	9436	green lumber grader
5241	graphic arts room supervisor	9614	green sorter - wood processing
6411	graphic arts sales representative	9423	green tire inspector
4021	graphic arts teacher	9423	green tire lubricator
5223	graphic arts technician	9423	green tire repairer
5241	graphic design and illustration animator	9614	green wood chainman/woman - wood processing
4021	graphic design instructor	8255	greenhouse foreman/woman
6411	graphic design sales representative	7205	greenhouse installers foreman/woman
5241	graphic designer - multimedia, interactive or new media	0822	greenhouse manager
5241	graphic designer - multimedia	0822	greenhouse operator
5241	graphic designer and layout artist	8255	greenhouse supervisor
5241	graphic designer, Web	8255	greenhouse worker crew chief
5241	graphic designer	8432	greenhouse worker
2174	graphical user interface (GUI) designer	2225	greens superintendent
2174	graphical user interface (GUI) developer	8612	greens worker
5223	graphics technician	9614	greensaw offbearer - wood processing
4169	graphoanalyst	8612	greenskeeper helper
4169	graphologist	2225	greenskeeper
8241	grapple operator - logging	9414	greenware driller - clay products
8421	grapple skidder operator	9414	greenware finisher - clay products
8211	grapple yarder hook tender	9414	greenware turner operator - clay products
8241	grapple yarder operator - logging	9414	greenware turner, machine - clay products
8612	grass cutter	6421	greeter, sales
9461	grated cheese maker	6421	greeting cards sales clerk
8612	grave digger	9447	greige-cloth examiner
9414	grave marker cutter - stone products	9412	grid caster - foundry
9415	gravel grader - mineral products processing	9523	grid gauger - electronic equipment manufacturing
7511	gravel hauler	9524	grid inspector - electrical equipment manufacturing
		9523	grid inspector - electronic equipment manufacturing

9418	grid machine job setter	6622	grocery clerk
9523	grid operator - electronic equipment manufacturing	6622	grocery packer
9412	grid-caster operator - foundry	6332	grocery store baker
4153	grief counsellor	6331	grocery store butcher
6322	grill cook	6611	grocery store cashier
9414	grinder - concrete, clay and stone products	6611	grocery store cashier
9612	grinder - metal products manufacturing	8431	groom - farm
9411	grinder and classifier tender	6563	groom - horse race track
9612	grinder and sharpener - metal products manufacturing	7534	groomer, aircraft
9614	grinder feeder - pulp and paper	6563	groomer, pets
9432	grinder loader - pulp and paper	9413	groove grinder - glass
9422	grinder operator - plastic manufacturing	7521	groove-cutting machine operator
9432	grinder operator - pulp and paper	9437	groover - woodworking
9423	grinder operator - rubber products manufacturing	9619	groover and turner - shoe manufacturing
7531	grinder operator, rails - railway	9437	groover operator - woodworking
9417	grinder set-up operator - metal machining	9434	groover operator, plywood panels - wood processing
9421	grinder tender - chemical processing	7521	grooving machine operator - heavy equipment
9414	grinder tender, stones	9437	grooving machine operator - woodworking
9417	grinder, cylinders - metal machining	9417	grooving machine set-up operator - metal machining
9417	grinder, metal saw teeth	7301	ground crew foreman/woman - aircraft maintenance
3414	grinder, ophthalmic lenses	7612	ground hand - telecommunications
9612	grinder, plates - metal products manufacturing	4021	ground school instructor
9414	grinder, pottery and porcelain	7305	ground transit inspector - public transit
9537	grinder, precision optical lenses - non-prescription	7612	ground worker - power lines
9417	grinder, printing rollers	7612	ground worker - telecommunications
7531	grinder, rails - railway	7611	ground worker, pile driving
9414	grinder, rubber abrasive wheels	8612	grounds maintainer
9461	grinder, tobacco leaf	8255	grounds maintenance contractor
9537	grinder, watch crystal edges	8612	grounds maintenance labourer
9612	grinder-chipper - metal products manufacturing	8255	grounds maintenance supervisor
9612	grinder-deburrer - metal products manufacturing	8612	grounds maintenance worker
9612	grinder-deburrer	8255	groundskeeper supervisor
9612	grinder-dresser - metal products manufacturing	8612	groundskeeper
9432	grinderman/woman - pulp and paper	8255	groundskeeping foreman/woman
9612	grinder-trimmer - metal products manufacturing	8255	groundskeeping supervisor - cemetery
9411	grinding and flotation tender	8255	groundskeeping supervisor
9212	grinding and packing foreman/woman - chemical processing	8612	groundsmen/woman
9434	grinding machine operator, hardboard	8612	groundsperson - campground
9414	grinding stone sharpener	2113	groundwater geologist
9414	grinding wheel dresser	2212	groundwater technologist
5227	grip	0111	group accounting manager
9461	grist mill operator - food and beverage processing	4156	group counsellor, employment services
8614	grizzly worker - underground mining	5134	group dance teacher
0621	grocer	5134	group dancer
7514	groceries deliverer	4153	group home counsellor
6211	grocery clerk supervisor	0423	group home manager
		4212	group home operator
		4212	group home worker
		1434	group insurance clerk
		6231	group insurance representative
		2253	group leader, drafting
		7333	group leader, electrical mechanics
		9416	group leader, forging machine operator

9524	group leader, large electrical appliance assembly	5244	guitar maker
9526	group leader, mechanical assemblers	5133	guitar player
9524	group leader, small electrical appliance assembly	7445	guitar repairer
1312	group life claims examiner - insurance	9423	gum cutter - rubber footwear
6411	group sales representative, travel	9435	gumming machine tender - paper converting
4152	group social worker	9461	gum-sheeting and scoring machine operator - food and beverage processing
6411	group travel sales representative	7311	gum-wrapping machine mechanic
1313	group underwriter - insurance	9523	gun assembler, television pictures tubes
1313	group underwriter	9526	gun assembler
7611	grout machine operator	8232	gun perforator - oil field services
7611	grout pump operator	7384	gun repairer
7611	grouter	9526	gun subassembler
0822	grower, evergreens	7611	gunite mixer - construction
0822	grower, flower	7611	guniter - construction
0821	grower, ginseng	7384	gunsmith
0821	grower, hop	9437	gunstock checkerer
0822	grower, hothouse flowers	9437	gunstock fitter - woodworking
0822	grower, plants - nursery	9437	gunstock shaper - woodworking
0822	grower, roses	5251	gymnast
0822	grower, shrubs	5252	gymnastics coach
0822	grower, trees - nursery	5254	gymnastics instructor
2123	growers' advisor	5254	gymnastics teacher
1228	GST (goods and services tax) collection officer	3111	gynecologist
0412	GST (goods and services tax) manager	7284	gyproc applicator
6541	guard, armoured car	9411	gypsum calciner
4422	guard, correctional facility	7284	gypsum lather
4422	guard, correctional institution	7284	gypsum plasterboard applicator
6541	guard, security	9414	gypsum plasterboard maker
6731	guest home cleaner	7445	gyroscope repairer
6525	guest service agent	7445	gyroscope repairman/woman
6525	guest service representative - hotel		
6525	guest service representative		
6525	guest services agent - hotel	2221	habitat management technician
6721	guest services attendant, hotel	9213	HACCP co-ordinator - food processing
0632	guest services manager	9213	HACCP co-ordinator
4031	guest teacher - secondary school	9213	HACCP (hazard analysis critical control point) co-ordinator - food processing
0632	guest-house operator	6341	hair colour technician
4033	guidance counsellor	9524	hair dryer assembler
0423	guidance director	6341	hair dyer
4033	guidance service head	6562	hair removal specialist
0423	guidance services director	6562	hair replacement consultant
6531	guide, establishment	6562	hair replacement technician
6531	guide, horse-drawn vehicle sightseeing tours	6562	hair weaver
6532	guide, hunting and fishing	6341	hair-care specialist
6532	guide, mountain climbing	6341	hairstresser apprentice
6532	guide, outdoor	6341	hairstresser
6532	guide, outfitting	4021	hairstressing instructor - vocational institute
6532	guide, rafting	0651	hairstressing salon manager
6531	guide, sightseeing	4021	hairstressing teacher - community college
6531	guide, travel	9537	hair-rooting machine operator - toy manufacturing
6532	guide, whitewater rafting	9537	hairspring maker, clocks
1215	guide-operator	9537	hairspring truer
9473	guillotine cutter - printing		
9473	guillotine operator - printing		

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0651	hairstyling salon manager	7237	hand electric arc welder
6341	hairstyling specialist	5244	hand embroiderer
6341	hairstylist apprentice	5244	hand enameller
9537	hairstylist, dolls	5244	hand engraver
6341	hairstylist	9524	hand filament moulder
9472	halftone camera operator - printing	9612	hand filer - metal products manufacturing
0423	halfway house manager	9417	hand filer, tools - metal machining
4212	halfway house supervisor	6741	hand finisher - laundry and dry cleaning
4212	halfway house worker	9413	hand finisher, glass edges
6731	hall cleaner	9537	hand fish net maker
0422	hall principal - secondary school	9537	hand former, hat brims
9461	ham curer	6741	hand fur cleaner
9213	ham curing foreman/woman	9413	hand glass edge finisher
9462	ham cutter	5244	hand glassworker
9465	ham grader	9537	hand hat blocker
9462	ham sawyer - meat packing plant	9537	hand hat brim former
9416	hammer driver - forging	9423	hand hose maker - rubber products manufacturing
9414	hammer mill tender - concrete, clay and stone products	6332	hand icer - bakery
9461	hammer mill tender - food and beverage processing	9619	hand inserter - printing
9416	hammer operator - metal forging	6741	hand ironer - laundry and dry cleaning
7521	hammer operator, pile driving	5244	hand knitter
5251	hammer thrower	9537	hand lacer - sporting goods manufacturing
6344	hammersmith, jewellery	9532	hand laminator - furniture manufacturing
7384	hammersmith	9417	hand lapper - metal machining
7237	hand arc welder	9412	hand lead caster - foundry
6541	hand baggage inspector	9445	hand leather cutter - leather products manufacturing
7452	hand bagger - material handling	5244	hand leather worker
9537	hand bag-maker	9537	hand lens beveller - non-prescription
5244	hand beadworker	9537	hand lens edger - non-prescription
9537	hand blocker, hats	6541	hand luggage inspector
9423	hand bonder - rubber footwear manufacturing	9414	hand marble polisher
5244	hand bookbinder	5244	hand metalworker
9414	hand brick moulder - clay products	9414	hand moulder - clay products
9612	hand buffer - metal products manufacturing	9414	hand moulder, bricks - clay products
9614	hand bundler - wood processing	9412	hand moulder, clay products
7452	hand bundler	9524	hand mouldmaker - foundry
5244	hand candle maker	5244	hand moulder, filaments
5244	hand carver, stones	9537	hand needleworker
5244	hand carver, woodenware	7452	hand net-maker
5244	hand case maker	6622	hand packager
9615	hand cementer - rubber and plastic products manufacturing	7452	hand packer - food store
9414	hand clay products moulder	5223	hand packer, sacks - material handling
9525	hand coil taper - industrial electrical equipment	9619	hand painter - graphic arts
9537	hand colour-card maker	5244	hand paper pad gluer
7303	hand compositors supervisor	7612	hand papermaker
5244	hand crocheter	9537	hand peat moss cutter
9445	hand cutter - clothing manufacturing	9414	hand pleater - garment manufacturing
9445	hand cutter - fabric, fur and leather products manufacturing	9414	hand polisher, granite
9619	hand cutter, cloth	9414	hand polisher, marble
7612	hand cutter, peat moss	9414	hand polisher, stones
5244	hand dollmaker	9414	hand porcelain and earthenware presser - clay products
		9414	hand presser - clay products
		6741	hand presser - laundry and dry cleaning

9414	hand presser, porcelain and earthenware - clay products	1251	Hansard reporter
5244	hand quilter	0714	harbour master
7237	hand resistance welder	2273	harbour pilot
9423	hand rubber footwear maker	0431	harbour police chief
5244	hand rug maker	4311	harbour police officer
7452	hand sacker - material handling	4311	harbour police sergeant
9537	hand sample container maker	4311	harbour policeman/woman
9412	hand sand-core maker - foundry	9537	hard hat assembler
9619	hand sander - furniture manufacturing	9434	hardboard press operator - wood processing
9441	hand screen printer - textile manufacturing	9536	hardboard spray-coating machine tender
9463	hand shellfish processor - fish and seafood processing	9537	hardboard-coating line checker
5244	hand silk flower maker	9434	hardboard-forming line operator
9616	hand skeiner - textile processing	9434	hardboard-grinding machine operator
5244	hand spinner	9619	hardboard-oiling machine tender
8432	hand sprayer - greenhouse	9411	hardener - optical instruments manufacturing
9473	hand stitcher - binding	7384	hardener - primary metal processing
5244	hand stone carver	9415	hard-hat diver
9414	hand stone polisher	8231	hardness tester - primary metal processing
9414	hand stonecutter	8231	hardrock miner apprentice
7445	hand tool repairman/woman	9532	hardrock miner
9227	hand tools manufacturing foreman/woman	9537	hardware assembler - furniture manufacturing
9536	hand touch-up painter - production	6222	hardware assembler
9619	hand trimmer - garment manufacturing	2147	hardware buyer
9619	hand trimmer - shoe manufacturing	2147	hardware circuit board designer
7452	hand truck operator	2147	hardware design engineer
6741	hand washer - laundry and dry cleaning	2147	hardware development engineer
5244	hand weaver	2147	hardware engineer
5244	hand woodworker	2282	hardware installation technician
5243	handbag designer	9532	hardware installer - furniture manufacturing
9619	handbag framer	9532	hardware installer, metal - furniture manufacturing
9537	handbag maker, leather	9532	hardware moulder - furniture manufacturing
9217	handbag manufacturing foreman/woman	0113	hardware purchasing director
5251	handball player	0113	hardware purchasing manager
1513	handbill passer - courier service	2147	hardware specialist, telecommunications
5121	handbook writer	6421	hardware store clerk - retail
9537	handle and vent machine tender	6421	hardware store clerk
9619	handle moulder	0621	hardware store manager
9614	handler - wood treatment	2147	hardware technical architect
7452	handler, explosives	2282	hardware technical support analyst
5227	handler, fireworks	9537	hardware, tool and knife inspector
9618	handler, fish-processing plant	8421	hardwood faller and buckler
7452	handler, freight (except air transport)	7295	hardwood floor covering installer
7452	handler, grain	7295	hardwood floor layer
7452	handler, heavy materials	9523	harness and cable fabricator - electronic equipment manufacturing
7452	handler, light materials	9616	harness cleaner - textile processing
7452	handler, materials - manufacturing and warehousing	9445	harness maker, leather
7452	handler, materials	9442	harness preparer - textiles
7452	handler, recycled paper	5251	harness race driver
8262	handliner fisherman/woman	5251	harness racing driver
4169	handwriting analyst	5253	harness racing starter
2211	handwriting expert, forensic	9619	harness rigger, parachutes
4169	handwriting expert	9442	harness tier - textiles
6733	handyman/woman	5133	harpist
8231	hang-up blaster - underground mining	8262	harpoon fisherman/woman

5244	harpichord builder	7511	hauler, gravel
8611	harvest hand	8431	hay baler operator - agriculture
8611	harvest worker	9213	hazard analysis critical control point (HACCP) co-ordinator
8431	harvester machine operator		hazardous waste inspector - environmental health
8611	harvesting labourer	2263	hazardous waste inspector
9537	hat and cap eyelet machine operator	2263	hazardous waste management technologist
9217	hat and cap makers foreman/woman	2263	hazzan
9619	hat and cap parts bundler	4217	head administrator, leisure
9619	hat and cap perforator	0513	head administrator, recreation
9437	hat block maker - woodworking	0513	head air traffic controller
9537	hat blocker, hand	2272	head archivist
9537	hat brim cutter - fabric products manufacturing	0511	head baggage porter
9537	hat brim former, hand	6313	head baker - retail
9619	hat brusher	6332	head baker
6742	hat check attendant	6332	head barmaid
6741	hat cleaner	6512	head barman/barwoman
9537	hat cone former - hat manufacturing	6512	head bartender
9537	hat cone shrinker	6512	head boner - meat packing plant
9537	hat crown and brim former - hat manufacturing	9462	head brakeman/woman
9537	hat decoration maker	7362	head butcher - retail or wholesale
9537	hat decorator - fabric products manufacturing	6331	head butcher - retail
5243	hat designer	6331	head butcher - wholesale
9537	hat finisher, felt	6315	head caretaker
9537	hat finisher	6211	head cashier
9537	hat foundation maker - fabric products manufacturing	9231	head charger
9447	hat fur sorter	6321	head chef
9447	hat inspector	6315	head cleaner
9619	hat liner	6315	head cleaning man/woman
9537	hat ornament maker	5252	head coach
9537	hat presser, machine - hat manufacturing	4422	head correctional officer
9446	hat sewer, factory	6315	head custodian - cleaning services
9619	hat sizer	6315	head custodian
9619	hat sorter	1215	head dispatcher
9619	hat sweatband flanger	7247	head end technician - cable television
9619	hat treater	5226	head grip
9217	hat trimming department foreman/woman	6315	head janitor
9537	hat-brim-flexing machine tender - hat manufacturing	0511	head librarian, technician services
8252	hatchery foreman/woman	0511	head librarian
8613	hatchery helper	9537	head maker, paintbrushes
0821	hatchery manager	4422	head matron - correctional service
0821	hatchery operator	9213	head miller, feed-and-flour mill
8613	hatchery worker - aquaculture	9213	head mixer - bakery
8431	hatchery worker	3011	head nurse
8252	hatchery workers foreman/woman	0511	head of cataloguing
9537	hat-greasing machine tender - hat manufacturing	5226	head of wardrobe
9537	hatmaking machine operator	1313	head office underwriter - insurance
9537	hat-pouncing machine tender - hat manufacturing	8411	head operator, loading - underground mining
6741	hatter, dry cleaning	5212	head preparator - museums and art galleries
8411	haulage truck driver - underground mining	9212	head refrigerating engineer
8411	haulageman/woman - underground mining	6321	head rotisseur
8411	hauler, coal - underground mining	9431	head sawyer - sawmill
		9431	head sawyer
		1215	head shipper
		6551	head teller - financial services
		2275	head train dispatcher

1212	head, accounting section	0411	health care insurance refund claims director - government services
1212	head, billing unit	4165	health care planner
0714	head, building services	4165	health care planning consultant
0714	head, facilities maintenance	4165	health care planning officer
6313	head, hotel clerks	4165	health care program administration officer
0125	head, management services division - business services	4165	health care researcher
0125	head, organizational services	0513	health club manager
8255	head, park maintenance	0012	health commissioner
1224	head, property section	4162	health economist
4033	head, school guidance department	0411	health education director - government services
9473	headband and liner gluer - printing	4031	health education teacher - secondary school
9418	header machine operator - metal	4165	health educator
9437	header operator, wood cooperage	0411	health information and promotion chief - government services
9437	header, wooden barrel	0411	health information and promotion director - government services
9437	heading machine operator, cooperage - woodworking	1411	health information clerk
9537	heading machine tender	1252	health information management coder
9437	headings sawyer, cooperage	1122	health information management consultant
9522	headlight adjuster - motor vehicle manufacturing	1252	health information management practitioner
5123	headline writer	1252	health information management professional
8411	headman/woman - underground mining	1252	health information management supervisor
0422	headmaster/mistress, private school	1252	health information management technician
7202	head-office repair supervisor	5111	health librarian
0431	headquarters chief inspector - police	2263	health officers supervisor
4311	headquarters duty officer - police	2111	health physicist
0431	headquarters police inspector	4165	health policy development officer
9431	headrig operator - sawmill	4165	health policy research analyst
9431	head-saw operator - sawmill	4165	health program information analyst
6513	headwaiter/headwaitress - food and beverage services	0411	health program operations manager - government services
7201	headwelder, electric welding pipe mill	0411	health programs assistant director - government services
4217	healer, faith	0411	health promotion chief - government services
3414	health aide	4165	health promotion program officer
1312	health and dental claims examiner - insurance	0114	health records administrator
0112	health and safety co-ordinator	1252	health records classifier
2263	health and safety inspector	1411	health records clerk
4021	health and safety instructor	1252	health records management coder
2263	health and safety officer	1252	health records management supervisor
2263	health and safety technician	1252	health records technician
2263	health and safety technologist	4165	health research officer
4165	health and social services institution accreditation officer	4165	health services consultant
4165	health and social services liaison officer	0411	health services director - government services
0411	health and welfare manager - government services	4165	health services program consultant
4168	health authority board member	4165	health services research officer
3413	health care aide	4165	health services researcher
3413	health care assistant	2263	health standards inspector
4165	health care association program officer	0411	health strategies manager - government services
4165	health care consultant	0513	health studio manager
3131	health care institution pharmacist	4021	health technology teacher
0411	health care insurance plan director - government services	3237	hearing aid assistant
		3237	hearing aid consultant

3237	hearing aid dealer and consultant	7331	heating systems installer
3237	hearing aid dealer	7301	heating systems mechanics foreman/woman
9523	hearing aid inspector - electronic equipment manufacturing	7331	heating systems servicer
3237	hearing aid practitioner	7331	heating systems technician
2242	hearing aid repairer	7331	heating technician
6421	hearing aid sales consultant - retail	7301	heating, ventilating and air conditioning (HVAC) mechanics foreman/woman
6421	hearing aid salesperson - retail	2132	heating, ventilation and air conditioning (HVAC) engineer
3237	hearing aid specialist	7313	heating, ventilation and air conditioning (HVAC) mechanic
3237	hearing aid technician	2232	heating, ventilation and air conditioning (HVAC) technologist
3237	hearing assessment technician	9619	heat-seal press pad assembler - furniture assembly
3237	hearing disorder technician	9422	heat-sealing machine tender - plastic manufacturing
3237	hearing instrument dispenser	9411	heat-treat furnace operator - primary metal processing
3237	hearing instrument practitioner assistant	7301	heavy agricultural machinery assembly foreman/woman
3237	hearing instrument practitioner	9417	heavy chucking lathe operator - metal machining
3237	hearing instrument specialist	7302	heavy construction crew foreman/woman
7513	hearse driver	7301	heavy construction equipment assembly foreman/woman
3111	heart specialist	7302	heavy construction labourers foreman/woman
7293	heat and frost insulator	7521	heavy construction-equipment operator
9441	heat curer - textile manufacturing	7312	heavy diesel engine mechanic
9461	heat exchanger tender, Votator - food and beverage processing	7301	heavy equipment assembly foreman/woman
9527	heat seal equipment operator - electrical equipment manufacturing	7312	heavy equipment combination mechanic
9537	heat sensor assembler	7312	heavy equipment field mechanic
9537	heat shield maker, aircraft	7316	heavy equipment fitter
2212	heat treat technician	7535	heavy equipment greaser
9612	heat treater helper	7312	heavy equipment inspector-repairer
9415	heat treating inspector - metal processing	7312	heavy equipment mechanic - diesel engine
9231	heater - primary metal processing	7612	heavy equipment mechanic helper
9611	heater helper - primary metal processing	7312	heavy equipment mechanic
9416	heater operator - metal forging	7301	heavy equipment mechanics supervisor
9411	heater, coke oven	7521	heavy equipment operator apprentice
9413	heater, glass	4021	heavy equipment operator
7521	heater-planer operator	7302	heavy equipment operators instructor - community college
7301	heating and air conditioning contractor	6221	heavy equipment operators supervisor
7612	heating and air conditioning mechanic helper	6221	heavy equipment sales representative
7313	heating and air conditioning mechanic	7535	heavy equipment salesperson
7301	heating and air conditioning systems contractor	7301	heavy equipment servicer
7612	heating and cooling mechanic helper	7301	heavy farm equipment assembly foreman/woman
7313	heating and cooling mechanic	9416	heavy forger
9241	heating and ventilation equipment tender	7301	heavy machinery assembly foreman/woman
2253	heating and ventilation systems draftsman	7316	heavy machinery fitter
2232	heating designer	7452	heavy materials handler
9527	heating element coil former - electrical equipment manufacturing	9411	heavy media separation tender - mineral and metal processing
9527	heating element coil-former operator	7312	heavy mobile equipment repairer
7331	heating mechanic		
7331	heating service mechanic		
2132	heating specialist engineer		
9241	heating stationary engineer		
7301	heating system installation and repair contractor		
7331	heating system mechanic		
7301	heating systems contractor		
2253	heating systems draftsman		

7312	heavy mobile equipment repairman/woman	4212	help centre supervisor - social services
7312	heavy mobile logging equipment mechanic	2282	help desk agent, technical
7312	heavy mobile mining equipment mechanic	2282	help desk analyst - systems
7511	heavy truck driver	2282	help desk supervisor, computer
6221	heavy truck sales representative	2282	help desk technical agent
6221	heavy truck salesperson	2282	help desk technician
9232	heavy water chemical process operator	5121	help file developer
2243	heavy water plant control technician	9613	helper - chemical processing
7311	heavy water plant mechanical maintainer	7621	helper - garbage collection
9241	heavy water steam plant operator	9611	helper - primary metal and mineral products processing
9524	heavy-duty capacitor assembler		
6733	heavy-duty cleaner	9619	helper - printing
9525	heavy-duty coil former - industrial electrical equipment	9616	helper - textiles
9527	heavy-duty electrical battery charger tester	7611	helper, air track drill operator
7312	heavy-duty equipment mechanic apprentice	9611	helper, alumina clarifier
7312	heavy-duty equipment mechanic	9611	helper, alumina recovery
7521	heavy-duty equipment operator apprentice	9611	helper, annealer - primary metal processing
7521	heavy-duty equipment operator	7611	helper, asphalt roofer
7302	heavy-duty equipment operators foreman/woman	7612	helper, automotive electrician
		7612	helper, automotive mechanic
7535	heavy-duty equipment servicer	7611	helper, awning installer
7312	heavy-duty equipment technician apprentice	9611	helper, ball mill - mineral products processing
7312	heavy-duty equipment technician	6711	helper, bar
9416	heavy-duty press set-up operator - metal fabrication	9615	helper, belt builder - rubber products manufacturing
9524	heavy-duty resistor assembler	9615	helper, bias machine operator - rubber products manufacturing
9525	heavy-duty transformer assembler		
9525	heavy-duty transformer coil winder	9611	helper, billet mill - primary metal processing
9619	heddle examiner	9611	helper, billet rolling mill - primary metal processing
9442	heddles tier, jacquard loom		
9537	heel attacher	9611	helper, billets - primary metal processing
9537	heel breaster	9612	helper, blacksmith
9619	heel compressor tender - shoe manufacturing	9611	helper, blast furnace
9423	heel cutter - rubber footwear	8411	helper, blaster - underground mining
9537	heel finisher, wood - footwear manufacturing	3414	helper, blood donor clinic
9423	heel maker - rubber footwear	9612	helper, boilermaker
9537	heel maker	8411	helper, borer - underground raise mining
9619	heel reducer - shoe manufacturing	7611	helper, bricklayer
9619	heel scorer - shoe manufacturing	7611	helper, brickmason
9537	heel seat fitter	7611	helper, building painter
9619	heel shaper - shoe manufacturing	7611	helper, cabinetmaker
9537	heel-trimming machine operator - footwear manufacturing	7612	helper, cable installation and repair - telecommunications
7237	heliarc welder	7612	helper, cable splicer
9226	helicopter assembly foreman/woman	7622	helper, carman/woman
9226	helicopter assembly supervisor	7611	helper, carpenter
2271	helicopter flight instructor	7611	helper, carpet layer
7315	helicopter inspector, mechanical systems	7611	helper, carpet mechanic
7301	helicopter maintenance foreman/woman - mechanical systems	9611	helper, casting machine
		9611	helper, casting wheel operator
7315	helicopter mechanic	9611	helper, casting
2271	helicopter pilot	7611	helper, cement finisher
2121	helminthologist	9611	helper, charger - primary metal processing
5251	helmsman - sports	7611	helper, churn drill operator - water well
7532	helmsman/woman - water transport	9611	helper, classifier - primary metal and metal products processing

9611	helper, coke oven heater	9611	helper, glass-forming machine operator
7612	helper, commercial air conditioning mechanic	7611	helper, glazier
7611	helper, concrete finisher	8612	helper, greenskeeper
7611	helper, concrete former	9612	helper, heat treater
7611	helper, concrete mixer operator	7612	helper, heating and cooling mechanic
7611	helper, concrete paver operator	7611	helper, highway concrete mixer operator
7611	helper, construction electrician	7612	helper, industrial mechanic
7611	helper, construction trades	9612	helper, industrial sheet metal worker
7611	helper, construction	7611	helper, insulation hoseman
9611	helper, Cottrell precipitator - primary metal processing	7611	helper, insulator
9611	helper, crushing operations - mineral products processing	7611	helper, interior and exterior wall erector
9611	helper, cupola furnace	7611	helper, interior wall finisher
4214	helper, daycare	9611	helper, jigger operator - mineral products processing
7622	helper, delivery truck	8411	helper, jumbo drill operator - underground mining
8411	helper, diamond driller - underground mining	8411	helper, jumbo operator - underground mining
7612	helper, diver	9611	helper, kiln operator - mineral products manufacturing
7611	helper, dragline operator - crane operation	8612	helper, landscape gardener
9611	helper, drawer - primary metal processing	8612	helper, landscape gardening
9442	helper, drawer-in - textiles	6741	helper, laundry
8411	helper, drill carriage operator - underground mining	7611	helper, lightning rod erector
8411	helper, driller - underground mining	9611	helper, lime kiln - mineral products processing
9612	helper, drop hammer - metal products manufacturing	9614	helper, lime kiln - pulp and paper
6741	helper, dry cleaner	9611	helper, lime kiln operator - mineral products processing
7611	helper, drywall and acoustical board installer	9442	helper, loom drawer-in
9619	helper, electric motor testing	9442	helper, loom threader
7612	helper, elevator mechanic	9612	helper, machine shop - metal products manufacturing
7612	helper, engine fitter	7611	helper, marble setter
9619	helper, etcher - printing	7611	helper, mason
9611	helper, extruder - primary metal processing	7612	helper, mechanic
9615	helper, extruding machine - rubber and plastic products manufacturing	3212	helper, medical laboratory
9611	helper, extrusion - primary metal processing	9611	helper, melter - primary metal and mineral products processing
9619	helper, factory	9612	helper, metal polisher
9611	helper, fibreglass oven charger	9611	helper, metal pourer - primary metal processing
7611	helper, fitter - construction	9611	helper, metal reclaimer - primary metal processing
9612	helper, fitter - metal products manufacturing	7611	helper, metal roofer - construction
9612	helper, flame cutter - metal products manufacturing	9611	helper, metal salvager - primary metal processing
7611	helper, floor coverer	7611	helper, metal trim erector
7611	helper, floor sander and finisher	9612	helper, metal-fabricating shop
7611	helper, floorcovering installer	9612	helper, metalworking machine
7611	helper, floorcovering mechanic	7612	helper, millwright
9611	helper, flotation cell - primary metal and mineral products processing	8614	helper, miner - underground mining
9612	helper, forge	7611	helper, mole operator - construction
9612	helper, forger	9611	helper, molten metal mixer - primary metal processing
9611	helper, foundry - primary metal processing	7612	helper, motor vehicle body repairer
7612	helper, furnace repairer	7612	helper, motor vehicle mechanic
9612	helper, galvanizer	4214	helper, nursery school
8612	helper, gardener		
8612	helper, gardening		
7611	helper, glass setter		
7611	helper, glass worker - construction		

3414	helper, occupational therapy	7611	helper, sheet metal worker - construction
7611	helper, oil burner installer	9614	helper, sheeter - pulp and paper
7612	helper, oil burner mechanic	9612	helper, sherardizer
7612	helper, oil burner technician	9612	helper, shipfitter
8615	helper, oil well cementer	9612	helper, shipwright
7611	helper, ornamental iron erector	7611	helper, sider
7611	helper, ornamental metal worker	9611	helper, slime recovery plant - primary metal processing
7611	helper, painter - construction	7612	helper, small-engine mechanic
7611	helper, painter and decorator	9611	helper, smelter
7611	helper, paperhanger - construction	7611	helper, spray truck
7611	helper, pavement line painter	7611	helper, steam fitter - construction
8615	helper, perforator loader - oil field services	7611	helper, steel erector
3414	helper, physiotherapy	7611	helper, steel form setter
7611	helper, pile driver operator - crane operation	7611	helper, stock
7611	helper, pile-driving lead placer	7452	helper, stock-keeper
8614	helper, pipeworker - underground mining	7452	helper, stretcher-leveller - primary metal processing
8612	helper, plant doctor	9611	helper, structural metal fitter
7611	helper, plasterer	9612	helper, structural plate fitter - construction
9615	helper, plastic products manufacturing machine operator	7611	helper, substation operator
7611	helper, plate fitter - construction	9613	helper, supercalender - pulp and paper
9612	helper, plate worker - metal products manufacturing	9614	helper, tankhouse - primary metal processing
9612	helper, plater - metal fabrication	9611	helper, teacher's
9612	helper, plating room	4413	helper, terrazzo finisher
7611	helper, plumber	7611	helper, terrazzo layer
9619	helper, portable diamond drill and saw operator	7611	helper, terrazzo mechanic
7611	helper, power shovel operator	7611	helper, terrazzo polisher
7612	helper, powerhouse electrician	7611	helper, tile setter
9611	helper, precipitator - primary metal processing	7611	helper, timber and steel prop setter
9619	helper, press - printing	8614	helper, timber-treating tank
9612	helper, production - metal coating	9614	helper, trades - construction
9611	helper, production - primary metal and mineral products processing	7611	helper, tree surgeon
9619	helper, production painter	8612	helper, tubing - oil field services
9619	helper, protective signalling installer - manufacturing	8615	helper, tunnelling machine operator - construction
9612	helper, punch press - metal products manufacturing	7611	helper, upholstery
8411	helper, raise miner	9619	helper, upsetter - metal fabrication
9611	helper, reagent - primary metal processing	9612	helper, warehouse keeper
9611	helper, refiner	7452	helper, warp drawer-in - textiles
9611	helper, refinery - primary metal and mineral products processing	9442	helper, waterproofer
7611	helper, rigger - construction	7611	helper, welder
9612	helper, rigger - shipbuilding	9612	helper, welder-fitter - construction
7611	helper, road mixer operator	7611	helper, welder-fitter - manufacturing
9611	helper, rolling mill - primary metal processing	9612	helper, welder-fitter
7611	helper, roofer	9612	helper, welding machine operator
8411	helper, rotary driller - raise mining	9612	helper, welding-rod-extruder operator - primary metal processing
9615	helper, rubber products manufacturing machine operator	9611	helper, well puller - oil field services
9615	helper, rubber products manufacturing	8615	helper, well treatment - oil field services
8615	helper, service rig - oil field services	9611	helper, wire drawer
9612	helper, shear - metal fabrication	9612	helper, wire drawing
		9612	helper, wire loom
		8615	helper, wire weaver
		8615	helper, wireline - oil field services
		8615	helper, wireline
		9619	helper, woodworking shop

3111	hematological-pathologist	4031	high school teacher, outdoor activities
3111	hematologist	4031	high school teacher, physical education
3212	hematology technician - medical laboratory	4031	high school teacher, religious education
3211	hematology technologist - medical laboratory	4031	high school teacher, science
0311	hematology, chief of	4031	high school teacher, special education
3111	hematopathologist	4031	high school teacher
3111	hematopathology specialist	9471	high speed printer operator
9446	hemmer machine operator - sewing	7244	high voltage lineman/linewoman
3012	hemodialysis nurse	7244	high voltage lineman/woman - electric power systems
3219	hemodialysis technician		
3219	hemodialysis technologist	9525	high voltage transformer bushing assembler
6562	henna tattoo artist	8231	high-raise blaster
5243	heraldist	9461	high-speed machine operator - tobacco products
3232	herb practitioner		
3414	herbal medicine assistant	9441	high-speed machine warper - textile manufacturing
3232	herbal practitioner		
3232	herbal specialist	9461	high-speed packer operator - tobacco products
3232	herbalist		
5112	herbarium curator	9431	high-speed stud operator - sawmill
3232	herbologist	2111	high-temperature physicist
3232	herbology practitioner	7244	high-voltage maintenance lineman/woman
3232	herborist	7244	high-voltage power line patroller - electric power systems
8252	herd attendant, feedlot		
8252	herd attendant	7333	high-voltage power transformer repairer
8431	herd hand	7244	high-voltage tower lineman/woman
8252	herd superintendent	7302	highway and bridge maintenance road boss
8431	herder - stockyards	7282	highway and street cement mason
8252	herdsman/woman	0012	highway commissioner
8252	herdsperson	7611	highway concrete mixer operator helper
5212	heritage interpreter	7302	highway construction boss
4166	heritage languages education consultant	7302	highway construction foreman/woman
0413	heritage languages program director	0016	highway construction general manager
2153	heritage planner - land use	2264	highway construction inspector
2153	heritage work planner	0711	highway construction manager
2121	herpetologist	2231	highway construction materials testing technician
9447	hide and pelt processing inspector		
9619	hide and pelt processing labourer	2131	highway engineer
9441	hide and pelt processing worker	7621	highway line painter
9441	hide and skin preparer	7302	highway maintenance foreman/woman
9213	hide curing foreman/woman - food and beverage processing	7611	highway maintenance worker
		4311	highway patrol officer
9441	hide fluffer - hide and pelt processing	4311	highway patrolman/woman
9447	hide grader	1525	highway radio-telephone operator
9447	hide inspector	4423	highway scale operator
9441	hide parer - hide and pelt processing	7611	highway sign erector
9441	hide processing worker	7522	highway snow removal equipment operator
9447	hide sorter	7522	highway snowplough operator
9441	hide stretcher	2231	highway technician
9217	hide tanning supervisor	2231	highway traffic technician
0012	high commissioner	5232	high-wire walker
5227	high rigger, theatre	6532	hiking guide
5211	high school librarian	2121	histologist
0422	high school principal	3212	histology technician
4031	high school teacher, English as a second language	3211	histology technologist - medical laboratory
		3211	histology technologist
4031	high school teacher, French as a second language	3111	histopathologist - medical specialist
		2121	histopathologist

3211	histopathology technologist	3217	Holter monitor technologist
4169	historian	3217	Holter scanning technologist
5212	historic site interpreter	2232	home automation technician
0511	historic sites administrator	0712	home builder
5113	historical archivist	0712	home building contractor
5112	historical artifact conservator	3012	home care neuroscience nurse
4169	historical geographer	3012	home care nurse, neuroscience
5212	historical interpreter	3012	home care nurse
0511	historical park assistant director	3143	home care occupational therapist
0511	historical park assistant superintendent	0651	home care service manager
0511	historical park director	0411	home care services director - government services
0511	historical park superintendent	0311	home care services director - medical services
5212	historical site technician	4411	home child care provider
5212	historical village supervisor	6731	home cleaner
5212	historical village technician	2264	home construction inspector
5212	history museum interpreter	5242	home decorating consultant
4011	history professor - university	5242	home decorator
4021	history teacher - CEGEP	6623	home demonstrator - retail
4031	history teacher, secondary school	4164	home economics consultant
3211	histotechnologist - medical laboratory	4032	home economics teacher - elementary school
0014	hockey association general manager	4031	home economics teacher - secondary school
5252	hockey coach	2211	home economics technologist
5251	hockey player	4164	home economist - consumer association
5252	hockey scout	4164	home economist
9533	hockey stick assembler	4412	home health care worker
9533	hockey stick inspector-grader	2264	home inspector
5252	hockey team coach	2241	home lighting technician
0821	hog breeder	4217	home mission worker - religion
6222	hog buyer	1313	home office underwriter - insurance
8252	hog farm foreman/woman	5242	home organizer
8252	hog farm supervisor	0712	home renovation contractor
8431	hog farm worker	0712	home renovator
8252	hog farm workers supervisor	6623	home salesperson
0821	hog farmer	5242	home stager
9462	hog killer	5242	home staging consultant
9614	hog machine tender - wood processing	4412	home support worker
8252	hog operation supervisor	2273	home trade first mate
0821	hog producer	2273	home trade master
9533	hogshead assembler - wood products manufacturing	2273	home trade second mate
9617	hogshead filler - tobacco products	4412	home visitor - infant care
9465	hogshead inspector - tobacco processing	4165	home-care programs consultant
7371	hoist operator - foundry	4412	home-care worker
8231	hoist operator - underground mining	6731	homemaker helper, rest home
7371	hoist operator (except underground mining)	0411	homemaker services director - government services
7371	hoist operator, boom truck	0423	homemaker services director - social services
7371	hoist operator, crane	4412	homemaker
9226	hoisting-and-lifting equipment assembly foreman/woman	3232	homeopath
8231	hoistman/woman underground mining	3232	homeopathic physician
9437	hole saw tender - woodworking	3232	homeopathic practitioner
0651	holidays service manager	3232	homeopathist
3232	holistic practitioner	4413	homework assistant
9537	hollowware-buffing machine tender		
9473	hologram-imprinting machine tender		
2241	holographics technician		
2241	holographics technologist		

9461	homogenizer operator - food and beverage processing	5253	horseshoe inspector
9537	honer, safety razor blades	7384	horseshoer
8431	honey farm worker	8255	horticultural contractor
9465	honey grader and blender	0822	horticultural greenhouse operator
9461	honey-processing equipment operator	2225	horticultural technician
9417	honing machine operator - metal machining	2225	horticultural technologist
9417	honing machine set-up operator - metal machining	4021	horticulture and landscaping instructor - school of horticulture
9522	hood fitter - motor vehicle manufacturing	2225	horticulture specialist
9617	hoof remover - food and beverage processing	2225	horticulture technician
8211	hook and rig supervisor - logging	2225	horticulture technologist
7311	hook repairer - textile manufacturing	8432	horticulture worker
8211	hook tender - logging	8255	horticulture workers supervisor
9423	hooker-laster - rubber products manufacturing	2225	horticulturist
9416	hoop bender	9423	hose builder, rubber
8262	hoop net fisherman/woman	9214	hose building foreman/woman - rubber manufacturing
9437	hoop-driver operator - woodworking	9615	hose checker - rubber products manufacturing
9437	hoop-driving machine operator - woodworking	9423	hose curer - rubber products manufacturing
9416	hoop-maker machine operator - metal fabrication	9423	hose cutter and brander operator - rubber products manufacturing
9418	hoop-making machine operator	9615	hose cutter, hand - rubber products manufacturing
9418	hoop-punching and hoop-coiling machine operator - metal products manufacturing	9423	hose maker machine operator - rubber products manufacturing
9418	hoop-riveting machine operator	9423	hose maker, hand - rubber products manufacturing
8252	hop farm foreman/woman	9423	hose maker, machine - rubber products manufacturing
0821	hop grower	7611	hoseman/woman insulation helper
0821	hop producer	7611	hoseman/woman, insulation
8431	hop-picking machine operator	9441	hosiery boarder
7521	ho-ram operator	9616	hosiery folder
9417	horizontal boring and milling machine set-up operator	9217	hosiery foreman/woman
9437	horizontal boring machine operator - woodworking	9447	hosiery grader
7611	horizontal earth-boring machine helper	9447	hosiery inspector
7521	horizontal earth-boring machine operator	9442	hosiery knitter
9437	horizontal resaw operator - woodworking	9442	hosiery looper - textiles
5133	horn player	9447	hosiery pairer
5133	horn teacher - private, conservatory or studio lessons	9442	hosiery seamer - textiles
8431	horse breaker	9447	hosiery sizer
0821	horse breeder	9616	hosiery tray dryer
6563	horse hot-walker	9442	hosiery-knitting machine tender
5253	horse identifier	3413	hospice worker
8421	horse logger	0014	hospital administrator
5253	horse plating inspector - racetrack	1414	hospital admissions clerk
5253	horse race timer	0114	hospital admissions director
0513	horse racing director	1414	hospital admitting clerk
5253	horse racing starter	1211	hospital admitting clerks supervisor
8252	horse stable foreman/woman	3413	hospital aide
8252	horse trainer	3413	hospital attendant
6532	horseback riding guide	6332	hospital baker
5254	horseback riding instructor	6731	hospital cleaner
6531	horse-drawn vehicle sightseeing tour guide	6322	hospital cook
		3131	hospital druggist
		6221	hospital equipment sales representative

6221	hospital equipment salesperson	2263	hotel and restaurant inspector - public health
0014	hospital executive director	0632	hotel assistant manager
6312	hospital executive housekeeper	6332	hotel baker
6311	hospital food service supervisor	6611	hotel cashier
3012	hospital hygiene nurse	6731	hotel cleaner
3012	hospital hygienist - nursing	6313	hotel clerk supervisor
6552	hospital information clerk	6525	hotel clerk, front office
1434	hospital insurance clerk	6525	hotel clerk
6711	hospital meal attendant	6525	hotel concierge
3012	hospital nurse	0632	hotel director
3413	hospital orderly	6721	hotel doorkeeper
3131	hospital pharmacist	6312	hotel executive housekeeper
3413	hospital porter	0631	hotel food and beverage service manager
1414	hospital receptionist	6525	hotel front desk clerk
1411	hospital records clerk	0632	hotel front desk manager
6421	hospital television rental attendant	6525	hotel front office clerk
6711	hospital tray carrier	0632	hotel front office manager
3413	hospital ward aide	0015	hotel general manager
6511	host/hostess - restaurant or cocktail lounge	6721	hotel guest services attendant
5231	host/hostess - television or radio	6552	hotel information clerk - contact centre
6511	host/hostess, dining room	4021	hotel management teacher - college
6511	host/hostess, food service	0632	hotel manager
5231	host/hostess, game show	6313	hotel managing supervisor
6511	host/hostess, restaurant	6525	hotel night auditor
6531	host/hostess, ski resort	0632	hotel operator
5231	host/hostess, talk show	1225	hotel purchasing agent
4212	hostel co-ordinator	1225	hotel purchasing officer
0632	hostel manager	6525	hotel receptionist
4212	hostel outreach worker	6411	hotel services sales representative
3413	hostel service aide - medical	6411	hotel supply sales representative
7535	hostler - transit system	6742	hotel valet
7361	hostler, railway	6513	hotel waiter/waitress - formal service
6532	hot air balloonist	0822	hothouse flower grower
9611	hot bed leverman/woman - primary metal processing	7205	hothouse installers foreman/woman
7303	hot composition foreman/woman - printing	8432	hothouse worker
6711	hot dog vendor	6563	hot-walker, horses
7237	hot gas welder	9418	hot-wound spring coiler
7371	hot metal crane operator	2232	house automation technician
9231	hot mill roller - primary metal processing	7271	house carpenter
9614	hot plate press tender helper	6731	house cleaner
9414	hot press operator - clay products	6541	house detective
9416	hot press operator - metal forging	7302	house mover contractor
9434	hot press operator - wood processing	7302	house moving foreman/woman
9437	hot press tender - woodworking	0423	House of Commons chief clerk
9411	hot strip finishing mill tender - primary metal processing	4168	House of Commons committee officer
9411	hot strip roughing mill tender - primary metal processing	4168	House of Commons officer
7441	hot tub installer	7294	house painter
7441	hot tub servicer	9226	house trailer assembly foreman/woman
7205	hot water heater installation contractor	6421	house trailer salesperson - retail
7441	hot water heater installer	2242	household and business equipment technician
9412	hot-box moulder - foundry	7441	household appliance installer
9536	hot-dip coater - metal plating	7301	household appliance repair shop foreman/woman
9536	hot-dip galvanizer - metal plating	6421	household appliance salesperson - retail
6411	hotel accommodations sales executive	7332	household electrical appliance repairman/woman

7332	household electrical appliance service technician	0015	human resources and organizational development vice-president - trade, broadcasting and other services
7452	household goods mover		human resources assistant
4412	housekeeper, live-in	1415	human resources classification officer
4412	housekeeper	1121	human resources clerk
6731	housekeeping aide	1415	human resources consultant
6731	housekeeping attendant	1121	human resources co-ordinator
6312	housekeeping director	1121	human resources development and planning director
6312	housekeeping manager	0112	human resources development director
6315	housekeeping room attendant supervisor	0112	human resources director
6731	housekeeping room attendant	4162	human resources economist
0411	housekeeping services director - government services	1121	human resources generalist
6315	housekeeping supervisor	1121	human resources management consultant
6731	housemaid - cleaning services	0112	human resources management director
6731	houseman/woman	0112	human resources manager
6742	housesitter	1223	human resources officer
6421	housewares salesperson - retail	1121	human resources planning consultant
2264	housing construction inspector	0112	human resources planning manager
0711	housing construction manager	1121	human resources policy analyst
1224	housing development officer	1121	human resources policy officer
4164	housing officer, public housing	1121	human resources program supervisor
4164	housing policy analyst	1121	human resources research officer
0411	housing policy and development director - government services	1241	human resources secretary
1224	housing project manager	1121	human resources specialist
2264	housing rehabilitation inspector	1121	human resources supervisor
0712	housing rehabilitation specialist - builder	0013	human resources vice-president - bank
0712	housing renovator	0013	human resources vice-president - financial, communications and other business services
2273	hovercraft master		human resources vice-president - goods production, utilities, transportation and construction
2253	hull draftsperson - shipbuilding and repair	0016	human resources vice-president - health, education, social and community services and membership organizations
9531	hull inspector	0014	human resources vice-president - trade, broadcasting and other services
9531	hull surveyor		Human Rights Commission chairperson
3141	human communication disorders specialist	0015	Human Rights Commission officer
4151	human development psychologist		Human Rights Commission officers supervisor
4161	human factors engineer	0012	human rights officer - government services
4161	human factors specialist (except engineer)	4164	human rights officer
3144	human kineticist	4164	human rights specialist
2121	human physiologist	4423	Humane Society inspector
4153	human relations officer - family and children's services	4423	Humane Society officer
4153	human relations officer - family therapy	4011	humanities professor - university
0112	human resources administrator	4031	humanities teacher - high school
1121	human resources adviser	9434	humidifier tender - wood processing
0013	human resources and organizational development vice-president - financial, communications and other business services	9241	humidifying systems operator
0016	human resources and organizational development vice-president - goods production, utilities, transportation and construction	5135	humorist - performing arts
0014	human resources and organizational development vice-president - health, education, social and community services and membership organizations	5121	humorist-author
		9412	hunter machine operator - foundry
		8442	hunter
		6532	hunting and fishing guide
		0632	hunting and fishing lodge manager

6532	hunting and fishing outfitter	9232	hydrogen process plant operator
0632	hunting camp operator	9461	hydrogenation operator - food and beverage processing
6532	hunting guide		hydrogeological engineer - engineering
6421	hunting guns salesperson - retail	2144	hydrogeologist
7301	HVAC (heating, ventilating and air conditioning) mechanics foreman/woman	2113	hydrogeology engineer - engineering
2132	HVAC (heating, ventilation and air conditioning) engineer	2144	hydrographic engineer
7313	HVAC (heating, ventilation and air conditioning) mechanic	2131	hydrographic survey technician
2232	HVAC (heating, ventilation and air conditioning) systems specialist	2212	hydrographic survey technologist
2232	HVAC (heating, ventilation and air conditioning) technologist	2113	hydrographic surveyor - geology
9523	hybrid circuit assembler - electronic equipment manufacturing	2131	hydrological engineer
9523	hybrid inspector - electronic equipment manufacturing	2212	hydrological technician
7442	hydrant and valve maintenance worker	2113	hydrologist
9611	hydrate scale reclaimer - primary metal processing	2212	hydrology technician
9411	hydrate thickener operator	2142	hydrometallurgical engineer
9421	hydrator operator	2115	hydrometallurgist
9434	hydraulic barker operator - wood processing	2114	hydrometeorologist
9532	hydraulic chair assembler	9537	hydrometer assembler
8231	hydraulic coal monitor operator	0822	hydroponic greenhouse operator
7521	hydraulic excavator operator	0822	hydroponics grower
9526	hydraulic hoist assembler	0822	hydroponics operator
9521	hydraulic installation - aircraft assembly	2225	hydroponics technician
2253	hydraulic machinery draftsman	8432	hydroponics worker
7315	hydraulic mechanic, aircraft	2261	hydrostatic tester
9416	hydraulic press operator - metal fabrication	7511	hydrovac truck operator
9414	hydraulic press operator, concrete	4011	hygiene professor - university
9437	hydraulic press tender - woodworking	3111	hyperbaric physician
9526	hydraulic pump assembler	3232	hypnotherapist
9521	hydraulic system installer - aircraft assembly	5232	hypnotist
7301	hydraulic unit repair shop foreman/woman		
7445	hydraulic unit repairer		
2131	hydraulics engineer		
7315	hydraulics inspector, aircraft	9222	IC (integrated circuit) fabrication supervisor - electronic equipment manufacturing
7315	hydraulics shop technician, aircraft	9537	ice chip maker tender
7315	hydraulics technician, aircraft	2255	ice conditions service specialist - meteorology
7315	hydraulics tester, aircraft	6711	ice cream counter attendant
2121	hydrobiologist	9461	ice cream decorator
8232	hydrocarbon mud logger - oil field services	9461	ice cream maker
2112	hydrochemist	9213	ice cream making foreman/woman
9241	hydro-electric generating station operator	9461	ice cream novelty maker
9241	hydro-electric power plant operator	9213	ice cream processing assistant supervisor
0912	hydro-electric power production plant director	6711	ice cream vendor
0912	hydro-electric power station director	9617	ice cream worker - food and beverage processing
0016	hydro-electric power station president	9537	ice machine tender
9212	hydro-electric station chief operator	6722	ice maker, rink
6221	hydro-electricity sales representative	9537	ice maker
7237	hydrogen braze furnace man/woman	2255	ice observer
7237	hydrogen braze furnace operator	6722	ice patroller, arena
9414	hydrogen furnace tender - clay products	6722	ice rink attendant
		6316	ice rink supervisor
		5136	ice sculptor
		2113	ice specialist - oceanography
		9537	ice-cutting machine tender

8441	icer, fishing vessel	3211	immunohematology technologist - medical laboratory
6332	icer, hand - bakery	3211	immunohematology technologist
6722	icer, rink	3111	immunologist and allergologist
5254	ice-skating instructor	2121	immunologist
2221	ichthyological technician	3211	immunology technologist - medical laboratory
2221	ichthyological technologist		
2121	ichthyologist		
9617	icing dipper - food and beverage processing	9416	impact hammer operator - metal forging
9461	icing machine operator - food and beverage processing	5232	impersonator
		3113	implantologist - dentistry
9461	icing maker - food and beverage processing	1221	implementation officer
9461	icing mixer - food and beverage processing	1452	import clerk
9461	icing sugar mill tender	6411	import company sales representative
5111	iconographer	6221	import company technical sales specialist
3012	ICU (intensive care unit) nurse	1452	import documentation clerk
1415	identification clerk	1521	import freight clerk
4311	identification officer - police	6411	import sales representative
5253	identifier, horses	1521	import traffic clerk
9537	igniter assembler	0731	import traffic manager
5232	illusionist	1215	import traffic supervisor
5241	illustrator and graphic designer	6411	importer
2253	illustrator, technical - drafting	6411	import-export tradesperson - wholesale
5241	illustrator	1423	imposition planner
6561	image consultant	1423	impositor
6561	image co-ordinator	9523	impregnator and dryer - electronic equipment manufacturing
9472	image processing operator		
9472	image reproduction machine operator	9527	impregnator, electrical equipment
9472	image setter operator	9417	impressing machine tender - metal machining
9472	image-processing system operator		
4154	imam	9416	impression die press operator - metal fabrication
1221	immigrant investors program co-ordinator		
4164	immigrant settlement liaison officer	9422	imprinting machine tender, plastics
1228	Immigration Act enforcement officer	5135	improviser
1228	immigration agent - government services	7334	inboard-outboard mechanic
4164	immigration and demographic analysis officer	6552	inbound customer service representative - contact centre
0411	immigration and settlement director - government services	1525	inbound/outbound freight co-ordinator
0411	Immigration Appeal Division director - government services	9527	incandescent lamp making inspector
1228	immigration appeal officer	6522	in-charge flight attendant
0411	immigration appeals and litigation chief - government services	3211	in-charge technologist - autopsy services
0411	immigration appeals manager - government services	9212	incinerator foreman/woman
4164	immigration consultant	9619	incinerator plant tender
1228	immigration examiner	9523	in-circuit test operator
1228	immigration examining officer	9434	incising machine tender - wood processing
1228	immigration inspector	0423	income maintenance director
4112	immigration lawyer	4212	income maintenance officer - social services
1228	immigration officer - government services	4164	income maintenance program officer
1228	immigration officers supervisor	0411	income security district administrator - government services
4164	immigration policy advisor		
4164	immigration policy analyst	0411	income security regional manager - government services
4164	immigration policy consultant - non-government	1111	income tax adjuster
4164	immigration settlement practitioner	1111	income tax adviser
		1111	income tax consultant
		1111	income tax expert
		1111	income tax investigator
		1431	income tax return preparer

1111	income tax specialist	2252	industrial designer
8431	incubator tender - agriculture	0412	industrial development director - government services
1113	independent floor trader		
4212	independent living instructor	4163	industrial development officer
4033	independent or applied studies officer	4163	industrial development representative
4211	independent paralegal	7441	industrial door installer
3012	independent practice - registered nurse	4162	industrial economist
0111	independent public accountants chief	2141	industrial efficiency engineer
9411	indium refiner	9525	industrial electric equipment assembler
7237	induction brazing operator	9525	industrial electric equipment fabricator
7237	induction brazing, production	9525	industrial electric equipment inspector
9412	induction furnace operator - foundry	2264	industrial electric installation inspector
9231	induction furnace operator - mineral and metal processing	7202	industrial electrical systems foreman/woman
9411	induction machine setter - primary metal processing	7242	industrial electrician apprentice
9411	induction machine tender - primary metal processing	7242	industrial electrician lead hand
7237	induction solderer	7242	industrial electrician
9411	induration attendant - iron ore	7202	industrial electricians foreman/woman
1111	industrial accountant	7202	industrial electricians supervisor
2151	industrial and commercial buildings architect	2141	industrial engineer
1122	industrial and commercial methods analyst	2233	industrial engineering analyst
0911	industrial and manufacturing production manager	0211	industrial engineering department manager
4031	industrial and vocational education teacher - secondary school	4011	industrial engineering professor - university
4032	industrial arts teacher - elementary school	2233	industrial engineering technician
4031	industrial arts teacher - secondary school	2233	industrial engineering technologist
3141	industrial audiologist	1522	industrial engines and equipment apprentice
3237	industrial audiometric technician	1522	industrial engines and equipment partsperson - retail
1111	industrial auditor	6221	industrial equipment sales engineer
7521	industrial backhoe operator	0432	industrial fire chief
2221	industrial bacteriological technician	4312	industrial firefighter
2221	industrial bacteriological technologist	2122	industrial forester
2121	industrial bacteriologist	7281	industrial furnace bricklayer
9527	industrial battery assembler	7281	industrial furnace brickmason
7445	industrial belt repairer	9611	industrial furnace cleaner - primary metal and mineral products processing
9473	industrial binder - printing	7253	industrial gas fitter-tester
7234	industrial boilermaker	7253	industrial gas servicer
9525	industrial brake and AC (alternating current) motor assembler	4169	industrial geographer
9525	industrial brake and alternating current (AC) motor assembler	2263	industrial health officer
9617	industrial butcher helper	7234	industrial heat exchanger boilermaker
9462	industrial butcher	7311	industrial hoist mechanic
2112	industrial chemist	0411	industrial hygiene and health director - government services
7611	industrial chimney repairer-mason helper	2134	industrial hygiene engineer
6733	industrial cleaner	2263	industrial hygiene inspector
9536	industrial coater	2211	industrial hygiene technologist
7333	industrial coil winder-repairer	4161	industrial hygienist
4163	industrial commissioner	2243	industrial instrument mechanic
7234	industrial construction boilermaker	2243	industrial instrument panel repairer
0711	industrial construction manager	7612	industrial instrument repairer helper
7294	industrial construction painter	2243	industrial instrument technician
2264	industrial construction safety inspector	4021	industrial instrumentation teacher
2252	industrial design consultant	9418	industrial knitting needle machine feeder
		4112	industrial lawyer
		7361	industrial locomotive engineer
		7301	industrial machinery assembly foreman/woman

7311	industrial machinery maintenance mechanic	2263	industrial safety officer - occupational health and safety
7301	industrial machinery manufacturing foreman/woman	7311	industrial sewing machine mechanic
7301	industrial machinery mechanics foreman/woman	9446	industrial sewing machine operator
7612	industrial machinery oiler	7233	industrial sheet metal worker
6221	industrial machinery sales representative	6531	industrial site interpreter
0714	industrial maintenance manager	4169	industrial sociologist
7294	industrial maintenance painter	9536	industrial spray painter
9462	industrial meat chopper	2161	industrial statistician
9462	industrial meat cutter	9527	industrial storage battery plate assembler
7311	industrial mechanic and millwright	6221	industrial supplies sales representative
7311	industrial mechanic apprentice	6221	industrial supplies salesperson
7612	industrial mechanic helper	6411	industrial tool sales representative
7311	industrial mechanic, gas turbine machinery	4162	industrial trade economist
7311	industrial mechanic, mine hoists	7334	industrial truck mechanic
7311	industrial mechanic, petroleum refinery	7452	industrial truck operator
7311	industrial mechanic	7334	industrial truck repairer
7301	industrial mechanics foreman/woman	6345	industrial upholsterer
7301	industrial mechanics supervisor	1522	industrial warehouse person
7311	industrial mechanic-welder	9619	industrial washing machine tender
3112	industrial medical officer	2263	industrial waste control inspector
3112	industrial medicine physician	4161	industrial waste reduction program co-ordinator
2114	industrial meteorologist	2134	industrial waste treatment engineer
7333	industrial motor winder-repairer	9243	industrial waste treatment plant operator
9418	industrial needle machine setter-operator	7237	industrial welder
9418	industrial needle machine set-up operator	7301	industrial, farm and construction machinery mechanics and repairers foreman/woman
3012	industrial nurse	0412	industry, trade and technology director - government services
1523	industrial order completion checking clerk	4021	Industry-based instructor
7281	industrial oven brickmason	4021	industry-based trainer
9536	industrial paint baker	4214	infant daycare workers supervisor
9536	industrial paint dipper	3234	infant transport attendant
9536	industrial paint finisher	4313	infanteer
9536	industrial paint mixer	0433	infantry officer
9536	industrial paint sprayer operator	4313	infantry soldier
9536	industrial painter, finishing rollers	4214	infants' daycare worker
9536	industrial painter	3012	infection control co-ordinator - hospital
3131	industrial pharmacist	3012	infection control nurse
5221	industrial photographer	3012	infection control officer - hospital
3112	industrial physician	3012	infection control officer - medical
6733	industrial plant cleaner	3012	infection surveillance nurse
6315	industrial plant cleaning supervisor	3111	infectious disease physician
7311	industrial plant maintenance mechanic	3111	infectious disease specialist
2243	industrial process control equipment repairer	0311	infectious diseases, chief of
2252	industrial products designer	3111	infertility specialist
9536	industrial products painter	9537	inflated ball moulder
4151	industrial psychologist	6522	in-flight service manager
7311	industrial pump repairer	2171	informatics applications analyst
2261	industrial radiographer - radiotelephony	2171	informatics business analyst
2261	industrial radiographer	2171	informatics consultant
1121	industrial relations consultant	2171	informatics quality assurance (QA) analyst
4162	industrial relations economist	2171	informatics security analyst
0112	industrial relations manager	2171	informatics security consultant
1121	industrial relations officer	6521	information agent, travel
2141	industrial safety engineer	0124	information and communications manager
4021	industrial safety instructor		

1411	information and records clerk	8231	in-hole drill operator - underground mining
5111	information and reference librarian	8411	in-hole driller helper - underground mining
6552	information clerk - customer service	4112	in-house legal counsel
6314	information clerks supervisor	1121	in-house training manager
1123	information consultant	9422	injection blow moulding processing operator
1123	information co-ordinator	9422	injection molding set-up operator
1414	information desk clerk	9422	injection moulder - plastic manufacturing
5122	information editor	9422	injection moulder operator - plastic manufacturing
1253	information management technician	9214	injection moulding foreman/woman - rubber and plastic manufacturing
1123	information officer, publicity	9422	injection moulding operator - plastic manufacturing
1123	information officer, recreation association	9422	injection moulding processing operator
1123	information officer	9214	injection moulding supervisor - plastic products manufacturing
2172	information resource analyst	2233	injection moulding technician
1123	information service co-ordinator	7232	injection moulding tool and die maker
0124	information service manager	7232	injection mouldmaker
5111	information services librarian	9422	injection operator - plastic manufacturing
2171	information systems analyst - computer systems	9422	injection plastic moulder
2171	information systems business analyst	9422	injection-moulding machine operator - plastic manufacturing
2171	information systems contingency planner	7381	ink evaluation and press operator - printing
0213	information systems manager	7381	ink evaluation pressman/woman - printing
2171	information systems quality assurance analyst	9619	ink fountain cleaner - printing
2171	information systems quality assurance (QA) analyst	9421	ink matcher
0015	information systems vice president - trade, broadcasting and other services	9421	ink purifier
0013	information systems vice-president - financial, communications and other business services	5136	ink sketcher
0016	information systems vice-president - goods production, utilities, transportation and construction	5223	inker and painter, animated cartoons
0014	information systems vice-president - health, education, social and community services and membership organizations	5223	inker, animated cartoons
2171	information technology (IT) analyst	9537	inker, ribbons
2171	information technology (IT) business analyst	2273	inland navigation mate
2171	information technology (IT) consultant	9532	inlayer - woodworking
0213	information technology (IT) development manager	5254	inline skating instructor
0213	information technology (IT) integration manager	0632	inn manager
4031	information technology teacher - secondary school	0632	inn operator
2261	infrared technician	9214	inner tube building foreman/woman
2261	infrared tester	9615	inner tube checker - rubber products manufacturing
2261	infrared thermographer	9423	inner tube finisher - rubber products manufacturing
2261	infrared thermography technician	9615	inner tube inserter - rubber products manufacturing
9411	ingot buggy operator	9615	inner tube repairer - rubber products manufacturing
9611	ingot cladder	9423	inner tube skiver - rubber products manufacturing
9411	ingot finishing operator	9423	inner tube sorter - rubber reclaiming
9411	ingot header	9423	inner tube valve builder
9415	ingots inspector - primary metal processing	9423	inner tube vulcanizer tender - rubber products manufacturing
9461	ingredients scaler and dispenser - food and beverage processing	9423	inner-tube-processing equipment tender - rubber products manufacturing
3214	inhalation technologist	0632	innkeeper
		2112	inorganic chemist
		3111	inpatient physician

9522	in-process assembly inspector - automobile assembly	9531	inspector and finisher, fibreglass boats
9524	in-process inspector - electric equipment manufacturing	9415	inspector and grader, tin plates
1423	input compositor - typesetting	9537	inspector and repairer, sports balls
1423	input operator - typesetting	9537	inspector and sorter, eyeglass frames
0411	inquiries and services chief - employment insurance	9525	inspector and tester, AC (alternating current) and DC (direct current) motors
2121	insect physiologist	9525	inspector and tester, AC and DC motors
5112	insectarium conservator	2244	inspector and tester, aircraft electrical equipment
5112	insectarium curator	2244	inspector and tester, aircraft electronic equipment
5212	insectarium interpreter	9522	inspector and tester, automobiles - motor vehicle manufacturing
9421	insecticide mixer	9527	inspector and tester, battery case - electrical equipment manufacturing
9619	inserter - printing	9527	inspector and tester, battery cases
9615	inserter, inner tubes - rubber products manufacturing	2264	inspector and tester, construction
9619	inserter, pail handles	9524	inspector and tester, electric lamps
9619	inserter, springs - furniture manufacturing	9524	inspector and tester, electric lawn mower
9615	inserter, tire tubes - rubber products manufacturing	9524	inspector and tester, electric snowblower
9473	inserting machine operator - printing	9523	inspector and tester, electron tube
1511	inserting machine tender - mail and postal services	9526	inspector and tester, outboard motors
8262	inshore fisherman/woman	9535	inspector and tester, plastic products
9619	insole filler - footwear manufacturing	9526	inspector and tester, turbine assembly
9537	insole tape machine operator	0012	inspector general of financial institutions
9537	insole-moulding machine operator	2222	inspector of perishable goods
9537	insole-moulding machine tender	9525	inspector, AC (alternating current) and DC (direct current) motors
9537	insole-tacking machine operator	9526	inspector, agricultural implements assembly
9447	inspecting machine tender - textiles	9526	inspector, agricultural implements
9211	inspecting, testing and grading foreman/woman - primary metal and mineral products processing	2262	inspector, air carrier maintenance
9217	inspection foreman/woman - textile processing	2262	inspector, air transport
9226	inspection foreman/woman, farm machinery	9521	inspector, aircraft assembly
0413	inspection services director - education	7315	inspector, aircraft engine overhaul
4423	inspector - by-law enforcement	7315	inspector, aircraft engines
4166	inspector - education	9521	inspector, aircraft fabrication
9524	inspector - electrical appliance assembly	7315	inspector, aircraft mechanical systems flight tests
9523	inspector - electronic equipment manufacturing	7315	inspector, aircraft mechanical systems repair shop
9447	inspector - fabric products manufacturing	7315	inspector, aircraft mechanical systems repair
9447	inspector - fur products manufacturing	7315	inspector, aircraft mechanical systems
9532	inspector - furniture manufacturing	7315	inspector, aircraft systems
9525	inspector - large transformer manufacturing	7315	inspector, aircraft
6741	inspector - laundry and dry cleaning	9526	inspector, all-terrain vehicles
9415	inspector - metal processing	9537	inspector, ammunition loading
4423	inspector - municipal law enforcement	9537	inspector, ammunition manufacturing
9415	inspector - primary metal and mineral products processing	9537	inspector, ammunition
9523	inspector - printed circuit board fabrication	9415	inspector, asbestos shingles
9447	inspector - textiles	9421	inspector, asphalt roofing materials
9436	inspector - wood processing	9532	inspector, assembled furniture
1435	inspector and bill collector - electric power company	9532	inspector, assembly - furniture manufacturing
1435	inspector and bill collector - gas company	9522	inspector, assembly - motor vehicle manufacturing
		9524	inspector, assembly line - electric equipment manufacturing

9535	inspector, assembly line - plastic manufacturing	9522	inspector, chassis assembly - motor vehicle manufacturing
7231	inspector, auto parts machine shop	9537	inspector, clock and watch assembly
9522	inspector, automobiles - motor vehicle manufacturing	9526	inspector, clutches
9525	inspector, automotive wiring harnesses	2264	inspector, CMHC (Canada Mortgage and Housing Corporation)
7315	inspector, aviation maintenance	2264	inspector, compliance - buildings
2244	inspector, avionics	9523	inspector, components - electronic equipment manufacturing
9537	inspector, ball bearings	2264	inspector, construction fields
1114	inspector, banks	2264	inspector, construction
9533	inspector, barrels - wood products manufacturing	2222	inspector, contagious animal diseases prevention
9537	inspector, bearings	9537	inspector, corks and bottle caps
9465	inspector, beverages and bottles	1114	inspector, credit agency
9465	inspector, beverages	1228	inspector, customs
9537	inspector, bicycles	9537	inspector, cutlery assembly
9531	inspector, boat assembly	2264	inspector, dam construction
9531	inspector, boats	2263	inspector, dangerous waste
9522	inspector, body frames - motor vehicle manufacturing	2264	inspector, ditch construction
9522	inspector, body-in-white - motor vehicle manufacturing	9537	inspector, drug and toilet preparations
2264	inspector, boiler installation	9524	inspector, electric appliance manufacturing
9415	inspector, bricks and tiles	9524	inspector, electric clock components
2264	inspector, bridges - construction and maintenance	9524	inspector, electric clock parts
2264	inspector, bridges and buildings	9524	inspector, electric controls
2264	inspector, bridges	9524	inspector, electrical appliance assembly
2264	inspector, building construction	9525	inspector, electrical appliances
2264	inspector, building safety	9524	inspector, electrical control panel
2264	inspector, buildings - electrical wiring	9527	inspector, electrical controls assembly
2264	inspector, buildings - structure	9527	inspector, electrical dry battery
2264	inspector, buildings	2264	inspector, electrical dry cell
9537	inspector, bullet and cartridge cases	9524	inspector, electrical energy installation
9537	inspector, bullets and cartridges	9524	inspector, electrical equipment manufacturing
9526	inspector, bus parts	9524	inspector, electrical household appliances
7305	inspector, bus	2264	inspector, electrical installation
9537	inspector, buttons	9527	inspector, electrical light bulbs
9537	inspector, camera assembly	9525	inspector, electrical motor
9537	inspector, cameras	9522	inspector, electrical quality assurance - motor vehicle manufacturing
2264	inspector, Canada Mortgage and Housing Corporation (CMHC)	2264	inspector, electrical safety
9465	inspector, canned and bottled foods	9525	inspector, electrical switchboards and panels
9531	inspector, canoe building	9525	inspector, electrical switchgear panel
9418	inspector, cans - metal products manufacturing	9525	inspector, electrical switchgear
9524	inspector, carbon brushes - electrical equipment manufacturing	2264	inspector, electrical wiring - construction
9524	inspector, carbon products	2262	inspector, electricity and gas meters
9526	inspector, carburetor assembly	9523	inspector, electron tube stem assemblies
9522	inspector, cars - motor vehicle manufacturing	9526	inspector, engine accessories
7314	inspector, cars - railway	2262	inspector, engineering department
9415	inspector, castings - foundry	9522	inspector, engines - motor vehicle manufacturing
9418	inspector, chains	2263	inspector, environmental health
9532	inspector, chairs - furniture manufacturing	9537	inspector, explosive primers
9522	inspector, chassis - motor vehicle manufacturing	9526	inspector, farm implements assembly
		9535	inspector, fibreglass
		5227	inspector, film quality
		9465	inspector, filter tip - tobacco processing

1114	inspector, financial institutions	2264	inspector, irrigation - construction
9522	inspector, finished assembled vehicle - motor vehicle manufacturing	9537	inspector, jewellery assembly
7231	inspector, firearms machining	9537	inspector, jewellery
2222	inspector, fish and fish products	9447	inspector, knitting
2224	inspector, fisheries	9465	inspector, kosher - food and beverage processing
7315	inspector, flight test	9533	inspector, laminated beams
2263	inspector, flood damages	9527	inspector, lead acid battery parts
9522	inspector, floors - motor vehicle manufacturing	9416	inspector, leaf springs
9526	inspector, food-packaging equipment assembly	9447	inspector, leather goods
9447	inspector, foundation garments	9527	inspector, light bulbs
9537	inspector, fountain pens	9535	inspector, linoleum
2222	inspector, fruit and vegetables	2222	inspector, livestock
9524	inspector, furnace electrodes - electrical equipment manufacturing	9447	inspector, loom
9532	inspector, furniture and fixtures - furniture manufacturing	7231	inspector, machine shop
9532	inspector, furniture and fixtures assembling	7231	inspector, machined parts
9532	inspector, furniture and fixtures assembly	7231	inspector, machining and tooling
9532	inspector, furniture assembly - furniture manufacturing	7231	inspector, machining
9532	inspector, furniture finishing	2264	inspector, maintenance - construction
9532	inspector, furniture parts	2264	inspector, masonry
9532	inspector, furniture	9537	inspector, matchbooks
9447	inspector, garment	9537	inspector, matches
9415	inspector, glass	2222	inspector, meat
9615	inspector, golf balls - rubber products manufacturing	9522	inspector, mechanical quality assurance - motor vehicle manufacturing
9537	inspector, golf clubs	9532	inspector, metal furniture
2222	inspector, grain	9416	inspector, metal parts
9524	inspector, grids - electrical equipment manufacturing	9415	inspector, metal processing
7305	inspector, ground transit - public transit	2222	inspector, milk
2263	inspector, hazardous waste - environmental health	2264	inspector, mine construction
2263	inspector, hazardous waste	9525	inspector, motor and generator
2263	inspector, health standards	9526	inspector, motor vehicle clutch assembly
9415	inspector, heat treating - metal processing	9522	inspector, motor vehicle mechanical equipment - motor vehicle manufacturing
2264	inspector, highway construction	9531	inspector, motorboat assembly
2264	inspector, home construction	9522	inspector, motors and chassis - motor vehicle manufacturing
2264	inspector, homes	9535	inspector, moulded plastic
5253	inspector, horse plating - racetrack	9537	inspector, munitions manufacturing
5253	inspector, horseshoes	9537	inspector, munitions
2263	inspector, hotels and restaurants - public health	9522	inspector, new passenger cars
2264	inspector, housing construction	2263	inspector, nursing homes
2264	inspector, housing rehabilitation	2263	inspector, occupational health and safety
9531	inspector, hull	2263	inspector, occupational hygiene
2264	inspector, industrial construction safety	2263	inspector, occupational safety
2264	inspector, industrial electric installations	3414	inspector, optical goods
2263	inspector, industrial hygiene	3414	inspector, optical lenses
2263	inspector, industrial waste control	9536	inspector, paint spray
9415	inspector, ingots - primary metal processing	9435	inspector, paper products
9522	inspector, in-process assembly - automobile assembly	9537	inspector, pens and pencils
		2211	inspector, pharmaceuticals
		9537	inspector, photographic equipment assembly
		9537	inspector, photographic equipment
		9474	inspector, photographs - photographic processing
		9537	inspector, piano assembly
		9537	inspector, pianos

2264	inspector, pipeline construction	2222	inspector, slaughtering and meat processing plant
9522	inspector, plastic and painted panels - motor vehicle manufacturing		inspector, small electrical appliances
9535	inspector, plastic products manufacturing	9524	inspector, small transformers
9535	inspector, plastic products	9526	inspector, snowmobiles
9535	inspector, plastics	9537	inspector, soap and toilet goods preparations
2264	inspector, plumbing	9532	inspector, sofas - furniture manufacturing
9436	inspector, plywood - wood processing	9418	inspector, springs
0431	inspector, police	9415	inspector, steel - primary metal processing
2263	inspector, pollution control	9415	inspector, steel sheets - primary metal processing
9415	inspector, pottery and porcelain ware		inspector, stones - mineral products processing
9537	inspector, precision instrument assembly	9415	inspector, structural ironwork
2264	inspector, pre-stressed concrete	2264	inspector, structural steel
9523	inspector, printed circuit board (PCB) assembly	9524	inspector, thermostats - electrical equipment manufacturing
9474	inspector, prints - photographic processing		inspector, tin can
7246	inspector, private branch exchange (PBX) - telecommunications	9418	inspector, tool and cutlery assembly
9532	inspector, product - furniture manufacturing	9537	inspector, tool and die
9537	inspector, projector assembly	7231	inspector, tool and gauge
7231	inspector, propellers - machining	7231	inspector, tooling
2263	inspector, public health	7231	inspector, toolroom
2264	inspector, public works - construction	9537	inspector, toys
9537	inspector, purchased metal parts	7305	inspector, transit system
9533	inspector, quality control - wood products manufacturing	9436	inspector, treated poles - wood processing
9522	inspector, radiator - motor vehicle manufacturing	9522	inspector, trim and hardware - motor vehicle manufacturing
7531	inspector, railway lines	9447	inspector, trimming material
2264	inspector, refinery equipment	2264	inspector, tunnel construction
9524	inspector, refrigeration unit	9537	inspector, umbrellas
9524	inspector, refrigerators - electrical appliance manufacturing	3114	inspector, veterinary
2264	inspector, reinforced concrete	9421	inspector, vinyl fabrics
7315	inspector, repair and overhaul	9537	inspector, wallpaper
2264	inspector, road construction	9537	inspector, watch assembly
2264	inspector, road grading	9537	inspector, watches
2264	inspector, road paving	9522	inspector, water leaks - motor vehicle manufacturing
9537	inspector, roller bearing assembly	2263	inspector, water
9423	inspector, rubber products manufacturing	2264	inspector, waterworks construction
9537	inspector, safety razor blades	2262	inspector, weights and measures
9533	inspector, sanding - woodworking	9525	inspector, winding - large electric motors manufacturing
2263	inspector, sanitary department - environmental health	2264	inspector, wiring - domestic installation
2263	inspector, sanitary standards	2264	inspector, wiring - industrial installation
9533	inspector, sashes and doors - millwork manufacturing	9533	inspector, wood machining
9537	inspector, scales	9533	inspector, wood products - wood products manufacturing
9537	inspector, seat belt assembly	9533	inspector, wood products assembly
2263	inspector, sewage disposal - environmental health	9531	inspector, wooden boat assembly
2264	inspector, sewer construction	9531	inspector, wooden boats
9436	inspector, shakes - wood processing	9533	inspector, wooden boxes
9416	inspector, sheet fabricating	9533	inspector, wooden caskets
9433	inspector, sheet paper	9533	inspector, wooden doors
9415	inspector, sheet steel - primary metal processing	9533	inspector, wooden sashes and doors
		9533	inspector, wooden shuttles
		9533	inspector, wooden staves

9537	inspector, zipper manufacturing	7611	installer helper, vanities and kitchen cupboards
9537	inspector, zippers		
9537	inspector-adjuster, piano actions	2244	installer, aircraft electronic equipment
7314	inspector-carman/woman - railway	7441	installer, aluminum awning
7305	inspector-dispatcher, bus	7441	installer, aluminum doors
2222	inspector-grader, fish	7441	installer, aluminum siding
9533	inspector-grader, hockey sticks	7441	installer, aluminum windows
9447	inspector-grader, seconds	7441	installer, antennas - electronic equipment
7312	inspector-repairer, heavy equipment	7441	installer, automatic door system
9222	inspectors and testers foreman/woman - electronic equipment fabrication, assembly, installation and repair	7441	installer, automatic garage door
9415	inspectors, wire products	9522	installer, automobile radios and accessories - motor vehicle manufacturing
9535	inspector-tester, moulded plastic	7535	installer, automotive shock absorbers
9423	inspector-trimmer, moulded rubber products	7535	installer, automotive springs
7246	installation and repair technician - telecommunications	7441	installer, awnings
7202	installation foreman/woman - telecommunications	9522	installer, batteries - motor vehicle manufacturing
0131	installation manager, telecommunications	9531	installer, boat motors
9521	installation mechanic, power plants - aircraft assembly	9537	installer, clock and watch dial
7247	installation service technician - cable television	7441	installer, curtains
0131	installation superintendent - telecommunications	7441	installer, doors
7247	installation technician, cable television	7284	installer, drywall interior systems
2282	installation technician, hardware	7441	installer, ducts - construction
2282	installation technician, software	7441	installer, eavestroughs
9521	installation, hydraulic - aircraft assembly	7441	installer, electric appliances
9523	installer - electronic equipment manufacturing	7441	installer, electric household appliances - residential and commercial equipment
7246	installer - telecommunications	7441	installer, electrical appliances
7284	installer and finisher, drywall	7244	installer, electrical cables - electric power systems
2242	installer and repairer - household and business equipment	7318	installer, elevator
7311	installer and repairer, automatic pinsetting machines	9522	installer, engines - motor vehicle manufacturing
9522	installer and repairer, automobile accessories - motor vehicle manufacturing	7441	installer, fence
9522	installer and repairer, automotive electronic accessories - motor vehicle manufacturing	7252	installer, fire prevention and automatic suppression systems
2242	installer and repairer, electronic music equipment	7252	installer, fire protection piping system
7331	installer and repairer, furnaces (except gas)	7331	installer, forced air furnace (except gas)
2242	installer and repairer, public address (P.A.) systems	7441	installer, garage doors
7441	installer and servicer, automatic door systems	7442	installer, gas meters
2242	installer and servicer, fire alarm systems	7292	installer, glass wallcoverings
7331	installer and servicer, residential oil burners	7292	installer, glass walls
7612	installer helper - telecommunications	9532	installer, hardware - furniture manufacturing
7611	installer helper, awnings	7441	installer, hot water heaters
7612	installer helper, power cable systems	7441	installer, household appliance
9619	installer helper, protective signalling - manufacturing	7441	installer, industrial doors
		9524	installer, insulation - electrical equipment manufacturing
		7293	installer, insulation
		7441	installer, interlocking paving stone
		7441	installer, kitchen cabinet
		7441	installer, kitchen cupboards and vanities
		7441	installer, kitchen units
		7441	installer, laboratory furnishings
		7441	installer, lightning rods
		9532	installer, metal hardware - furniture manufacturing

7236	installer, metal wall framing	7441	installer, wooden window sash
9525	installer, motor and generator coils - industrial electrical equipment	9531	installer-fitter, outboard motors
7535	installer, muffler	7445	installer-repairer, billiard and bowling equipment
7441	installer, neon signs	7202	installers and repairers foreman/woman - telecommunications
9531	installer, outboard motors	7441	installer-servicer, travel trailers
7441	installer, overhead doors	1435	instalment collector
7281	installer, permastones	9461	instant coffee dryer
7441	installer, pool equipment	9461	instant coffee extractor operator
7535	installer, radiators - automotive service	9461	instant powdered foods equipment operator
9522	installer, radiators - motor vehicle manufacturing	4021	institute of technology teacher
7441	installer, recreational equipment	4422	institution guard - correctional service
7441	installer, residential doors	3413	institutional aide
7441	installer, satellite antennas	6322	institutional cook
7441	installer, satellite dishes	6411	institutional food services sales representative
7246	installer, satellite receivers	4413	instructional assistant - primary and secondary school
7611	installer, seats - construction	4021	instructor - business college
2242	installer, security alarms	4021	instructor - commercial college
7441	installer, septic system	4021	instructor - company
7441	installer, septic tank	4021	instructor - industry
7441	installer, siding	4021	instructor - language school
7441	installer, signs	4021	instructor - private training institute
7441	installer, solar heating equipment	4021	instructor - technical school
7331	installer, solid fuel heaters	4021	instructor - technology institute
7252	installer, sprinkler systems	4021	instructor - vocational school
7252	installer, sprinklers and fire protection systems	4021	instructor of persons with a mobility impairment
7292	installer, structural glass	4215	instructor of persons who are blind
7441	installer, structure seats	4215	instructor of persons who are deaf
7441	installer, swimming pool filters and heaters	4215	instructor of persons who are hard of hearing
7441	installer, swimming pool	4215	instructor of persons with a learning disability
7246	installer, switch network	4215	instructor of persons with a visual impairment
7246	installer, teleprinters	4215	instructor of persons with developmental disabilities
7246	installer, teletypewriter (TTY) - telecommunications	4215	instructor of persons with disabilities
7246	installer, teletypewriters (TTY)	4215	instructor of persons with intellectual disabilities
7441	installer, television antennas	4215	instructor of persons with special needs
7441	installer, traffic lights	5254	instructor, aerobics
9522	installer, transmissions - motor vehicle manufacturing	5254	instructor, arts and crafts
7246	installer, TTY (teletypewriter) - telecommunications	5254	instructor, athletics
7441	installer, venetian blinds	4216	instructor, auto-driving
7441	installer, vinyl pools	4216	instructor, beauty culture school
9522	installer, vinyl roofs - motor vehicle manufacturing	5254	instructor, bowling
7441	installer, water heaters	4215	instructor, braille
7442	installer, water meter	5254	instructor, bridge
7441	installer, water-softening systems	5254	instructor, callisthenics
7441	installer, weather strips	3214	instructor, cardiopulmonary technology
9522	installer, wheels and tires - automobile assembly	3214	instructor, cardiovascular perfusion
7441	installer, window shades	4021	instructor, college of applied arts and technology
7441	installer, windows	4021	instructor, college
7331	installer, wood burners	3237	instructor, communication disorders
7441	installer, wooden panels		

4021	instructor, community college	5254	instructor, yoga
4021	instructor, correspondence school	9522	instrument cluster assembler - motor vehicle manufacturing
5244	instructor, crafts (except education)	2272	instrument flight rules air traffic controller
3216	instructor, diagnostic medical sonography	2244	instrument inspector and tester - avionics
5254	instructor, dressage	2244	instrument inspector, aircraft
5254	instructor, fencing	2243	instrument maintenance mechanic
4021	instructor, firefighters	2254	instrument man/woman - surveying
4021	instructor, firefighting	2244	instrument mechanic - avionics
4216	instructor, first aid	2243	instrument mechanic - utilities
5254	instructor, fitness	2244	instrument overhaul and repair mechanic - avionics
4021	instructor, flight attendants	2244	instrument overhaul technician - avionics
5254	instructor, golf	2244	instrument panel assembler - automobile assembly
4216	instructor, gourmet cooking - non-vocational	9522	instrument panel electrical tester - motor vehicle manufacturing
4021	instructor, ground school	2244	instrument shop inspector - avionics
5254	instructor, gymnastics	3414	instrument sterilizer - medical
4021	instructor, health and safety	2244	instrument technician, aircraft
4021	instructor, heavy equipment operators - community college	2243	instrument technician, industrial
5254	instructor, horseback riding	5133	instrumental music teacher - private, conservatory or studio lessons
5254	instructor, ice-skating	5133	instrumental musician
4021	instructor, industrial safety	5133	instrumentalist
5254	instructor, judo	2133	instrumentation and control engineer
5254	instructor, jujitsu	2243	instrumentation and electrical technician, industrial
5254	instructor, karate	2133	instrumentation engineer
4212	instructor, life skills	2243	instrumentation technician, industrial
5252	instructor, luge	2244	instruments and accessories inspector - avionics
5254	instructor, martial arts	7205	insulating contractor
4216	instructor, modelling and finishing school	9537	insulating panel maker
4216	instructor, motorcycle driving	9537	insulating tube winder
4215	instructor, orientation and mobility of persons who are blind	7293	insulation applicator
4215	instructor, orientation and mobility	9537	insulation batt cutter operator
5254	instructor, physical training	9537	insulation blanket maker
4021	instructor, police	7611	insulation blower helper
4021	instructor, pursers	7611	insulation blower operator
5254	instructor, recreation	7611	insulation blower
5254	instructor, riding	9434	insulation board press tender
5254	instructor, rollerblading	7205	insulation contractor
5254	instructor, roller-skating	9524	insulation cutter and former - electrical equipment manufacturing
4216	instructor, sailing	7205	insulation foreman/woman
4216	instructor, self-improvement course	9524	insulation installer - electrical equipment manufacturing
4216	instructor, sewing - non-vocational	7293	insulation installer
4215	instructor, sign language	9418	insulation machine operator
5254	instructor, ski - sports and recreation	9414	insulation mat machine operator - stone products
5254	instructor, ski	7293	insulation mechanic
4216	instructor, small boat navigation	9611	insulation packer - mineral products manufacturing
4215	instructor, special programs for persons with disabilities	9615	insulation packer - rubber products manufacturing
5254	instructor, sports		
5254	instructor, swimming - recreation		
5254	instructor, swimming - sports		
5254	instructor, tai-chi		
4021	instructor, technological institute		
5254	instructor, tennis - recreation		
5254	instructor, tennis - sports		
5254	instructor, track and field		
5254	instructor, weightlifting		

6411	insulation salesperson - wholesale	7512	intercity bus driver
7205	insulation specialists foreman/woman	1434	interest clerk
7205	insulation supervisor	4161	interface ergonomist
7293	insulator apprentice	0414	intergovernmental affairs chief
9414	insulator builder - clay products	0414	intergovernmental affairs director
9414	insulator builder, clay - clay products	4168	intergovernmental affairs officer
7611	insulator helper	0414	intergovernmental relations chief
9619	insulator tester	0414	intergovernmental relations director
9418	insulator, cables	7611	interior and exterior wall erector helper
7293	insulator, heat and frost	5242	interior decorating consultant
7293	insulator	5242	interior decorator
7205	insulators foreman/woman	5242	interior design consultant
2161	insurance actuary	5242	interior design project manager
1312	insurance adjuster	4021	interior design teacher
6231	insurance agent	5242	interior design technician
1314	insurance appraiser	5242	interior designer assistant
0121	insurance benefits executive director	5242	interior designer
6231	insurance broker	7284	interior drywall installer
0121	insurance claims service manager	7271	interior finish carpenter
1434	insurance clerk - financial sector	7271	interior finish joiner
0013	insurance company general manager	7611	interior finisher helper
1312	insurance inspector	9522	interior finishing assembler - automobile assembly
4211	insurance law clerk		
4112	insurance lawyer	2225	interior plantscape specialist
1242	insurance legal assistant	8432	interior landscaper
2262	insurance loss prevention inspector	8255	interior landscaping contractor
0121	insurance manager	5242	interior space designer
0121	insurance managing director	7271	interior systems carpenter
4211	insurance paralegal	7284	interior systems installer, drywall
1435	insurance premium collector	9526	interior trailer finisher
1434	insurance rater	9522	interior trim assembler - automobile assembly
1313	insurance rating analyst		
0121	insurance regional manager	7271	interior trimmer carpenter
6231	insurance sales agent	1451	interlibrary loan clerk
0121	insurance sales district manager	7531	interlocking cabin switcher - railway yard
0121	insurance sales manager	7205	interlocking paving stone contractor
6231	insurance sales representative	7531	interlocking signal box switcher - railway yard
6231	insurance sales supervisor		
6231	insurance salesman/woman	7441	interlocking stone installer
1313	insurance underwriter	1111	intermediate accountant
7381	intaglio printer - printing	3234	intermediate care paramedic
7381	intaglio printing press operator	3231	intern optician
9523	integrated circuit assembler	3131	intern pharmacist
9222	integrated circuit (IC) fabrication supervisor - electronic equipment manufacturing	4151	intern psychologist
		3112	intern, general practice
0731	integrated logistics manager	3112	intern
9613	integrator operator	0111	internal audit manager
4212	intellectual disabilities worker	1111	internal audit project manager
4112	intellectual-property lawyer	0111	internal audit services manager
3012	intensive care nurse	1111	internal audit supervisor - finances
3012	intensive care unit (ICU) nurse	1111	internal auditor - finances
2171	interactive media consultant	1111	internal auditor
5241	interactive media designer	1111	internal auditors supervisor - finances
2174	interactive media developer	9526	internal combustion engine assembler
2174	interactive media programmer	2132	internal combustion engineer
5121	interactive media writer	3111	internal medicine specialist
1114	interbanking arrangements officer		

4164	international aid and development project officer	1524	inventory analyst
4164	international aid and development researcher	1524	inventory clerk
0122	international banking manager	1215	inventory clerks supervisor
0013	international banking operations vice-president	1524	inventory control clerk
4163	international development and assistance researcher	0114	inventory control manager
1414	international exchange operator - telephone system	1215	inventory control supervisor
4163	international marketing specialist	2233	inventory control technician
0423	international program director - cooperative	1215	inventory management officer
0414	international relations chief - government	0114	inventory manager
0414	international relations director - government	1524	inventory planner
4164	international relations specialist	2121	invertebrate zoologist
5231	international service announcer-producer	5112	invertebrate zoology curator
4033	international student adviser	5112	invertebrate zoology museum curator
4162	international trade economist	6541	investigations officer - postal service
0412	international trade policy assistant director - government services	0431	investigative inspector - police
0412	international trade policy manager - government services	5123	investigative reporter
0731	international traffic manager	4311	investigator - police
0631	Internet café manager	6552	investigator, bill complaints
0124	Internet communications manager	6541	investigator, business establishment
5241	Internet graphic designer	6541	investigator, private
2171	Internet security analyst	4311	investigator, railway - police
2175	Internet site designer	1228	investigator, taxation
2175	Internet site developer	1112	investment adviser, corporate
0124	Internet site manager	1114	investment advisor - personal finances
0213	Internet systems administrator	1112	investment analyst
2281	Internet Web site technician	1113	investment broker
3114	internist, veterinary	9412	investment caster - foundry
3111	internist	1431	investment clerk
5134	interpretative dancer	1112	investment consultant
2121	interpretative naturalist	1114	investment counsellor - personal finances
5125	interpreter for persons who are deaf	1113	investment dealer
6531	interpreter, adventure site	0121	investment director - financial brokerage
5212	interpreter, historic site	4162	investment economist
6531	interpreter, industrial site	0122	investment manager - bank or trust company
5212	interpreter, museum	0122	investment manager - banking, credit and investment
5125	interpreter, sign language	0121	investment manager - financial brokerage
5125	interpreter	1113	investment representative
1422	interpreting machine operator - data entry	0111	investments research director
5134	interpretive dancer	1524	invoice and purchase order checker
5212	interpretive guide - museum	1431	invoice clerk
0414	interprovincial relations chief	1524	invoice control clerk
1423	Intertype machine operator	9231	ion exchange operator
1423	Intertype operator	3232	iridologist
1454	interview clerk	8613	Irish moss gatherer
1223	interviewer - human resources	7237	iron brazer
1454	interviewer - survey or poll	9412	iron caster - foundry
2175	Intranet site designer	9412	iron moulder - foundry
2175	Intranet site developer	9415	iron pellet hardness tester - metal processing
3411	intra-oral dental assistant	7236	iron structure erector
5136	Inuit art sculptor	6741	ironer - laundry and dry cleaning
		6741	ironer glazer, furs - laundry and dry cleaning
		7201	ironwork contractor
		7236	ironworker - metal building systems erector
		7236	ironworker - ornamental
		7236	ironworker - reinforcing rebar
		7236	ironworker apprentice

7236	ironworker generalist	9442	jacquard loom weaver
7611	ironworker helper	9442	jacquard machine knitter
7236	ironworker, bridge construction	9442	jacquard machine operator
7236	ironworker, curtain wall installation	4422	jail guard
7236	ironworker, metal tank erecting	4422	jailer
7236	ironworker, metal wall framing	9213	jam and jelly processing foreman/woman
7236	ironworker, metal wall installation	9461	jam processor operator
7236	ironworker, reinforcing steel	6733	janitor
7236	ironworker, steel door settings	0651	janitorial services manager
7236	ironworker	6411	janitorial services sales representative
7201	ironworkers foreman/woman	2174	Java programmer
2131	irrigation and drainage engineer	5251	javelin thrower
2123	irrigation consultant - agriculture	6722	J-bar attendant
0912	irrigation district manager	6722	J-bar operator
2131	irrigation engineer	9442	jersey knitter
2264	irrigation inspector - construction	6344	jewel setter
8252	irrigation supervisor - agriculture	6344	jeweller
7441	irrigation system installer	9537	jewellery annealer
7441	irrigation technician - installation and maintenance	6344	jewellery appraiser
2225	irrigation technician (except agriculture)	5244	jewellery artisan, hand
8431	irrigation worker - agriculture	9537	jewellery assembler
8431	irrigator - agriculture	9537	jewellery assembly inspector
1122	ISO consultant	9537	jewellery case assembler
2171	IT (information technology) business analyst	6344	jewellery chaser
2171	IT (information technology) consultant	9537	jewellery cleaner
2171	IT (information technology) consulting account manager	5243	jewellery designer
0213	IT (information technology) development manager	7232	jewellery die sinker
0213	IT (information technology) integration manager	5244	jewellery engraver
4031	Italian teacher - secondary school	9537	jewellery filer
8231	ITH (in-the-hole) driller	6344	jewellery hammersmith
4212	Itinerant support service worker	9537	jewellery inspector
		9227	jewellery manufacturing foreman/woman
		6344	jewellery model maker
		6344	jewellery moulder
		9537	jewellery parts assembler
		9619	jewellery pickler and dipper
		9537	jewellery polisher
		6344	jewellery repairer
		9227	jewellery repairing foreman/woman - manufacturing
9614	jack ladder tender	6344	jewellery repairman/woman
8231	jack leg drill operator - underground mining	9537	jewellery riveter
7452	jack lift operator	6421	jewellery salesperson - retail
8411	jack operator - underground mining	6421	jewellery salesperson
5243	jacket designer	6344	jewellery sample maker
9447	jacket manufacturing inspector	9537	jewellery solderer
7611	jackhammer operator - construction	0621	jewellery store manager
9442	jacquard card cutter - textiles	9537	jewellery strip roller
9442	jacquard card-cutting machine operator - textiles	9537	jewellery turner
9442	jacquard card-lacing machine operator - textiles	9537	jewellery wire finisher
7311	jacquard loom fixer - textile manufacturing	9537	jewellery-soldering machine tender
9442	jacquard loom heddles tier	7371	jib crane operator
9442	jacquard loom knitter	7232	jig and form maker
9442	jacquard loom pattern changer	7232	jig and template maker, aircraft
7311	jacquard loom setter - textile manufacturing	7232	jig and tool maker, aircraft
		7272	jig builder - wood products manufacturing
		9417	jig grinder set-up operator

J

7232	jig maker - die casting and plastic moulding	5122	journal editor
7232	jig maker - metal products manufacturing	1431	journal entry audit clerk
7232	jig maker	1431	journal entry clerk
9441	jig operator - textile manufacturing	4011	journalism professor - university
7237	jig welder-fitter	4021	journalism teacher - college level
7232	jig-bore tool maker	5123	journalist
9414	jigger operator - clay products	7234	journeyman/woman boilermaker
9441	jigger operator - textile manufacturing	7281	journeyman/woman bricklayer
9611	jigger operator helper - mineral products processing	7281	journeyman/woman brickmason
		7272	journeyman/woman cabinetmaker
9414	jigger operator, automatic - clay products	7271	journeyman/woman carpenter
7452	jigger operator, supermarket	7282	journeyman/woman cement finisher
9414	jiggerman/woman - clay products	7241	journeyman/woman construction electrician
9437	jigsaw operator - woodworking	6322	journeyman/woman cook
7452	jitney driver - material handling	7284	journeyman/woman drywall installer
1121	job analyst	7318	journeyman/woman elevator constructor
1121	job and wage analyst	7318	journeyman/woman elevator mechanic
1121	job classification system analyst	7295	journeyman/woman floor covering installer
4215	job coach for persons with disabilities	7295	journeyman/woman floor mechanic
1423	job compositor - typesetting	7253	journeyman/woman gas fitter
4156	job counsellor - government services	7292	journeyman/woman glazier
4156	job counsellor	7312	journeyman/woman heavy-duty equipment mechanic
4164	job creation and employment services evaluation officer	7242	journeyman/woman industrial electrician
1121	job evaluation analyst	7311	journeyman/woman industrial mechanic
0112	job evaluation and salary research manager	7293	journeyman/woman insulator
1121	job evaluation supervisor	7236	journeyman/woman ironworker
1121	job evaluator	7284	journeyman/woman lather
9412	job moulder - foundry	7245	journeyman/woman lineman/woman - telecommunications
1215	job order clerks supervisor - manufacturing		
7381	job printer	7231	journeyman/woman machinist
4156	job search trainer	7281	journeyman/woman mason
0411	job training director - government services	7322	journeyman/woman motor vehicle body repairer
9412	jobbing coremaker		
9412	jobbing moulder	7294	journeyman/woman painter and decorator
6722	jockey helper	7252	journeyman/woman pipefitter
6722	jockey room custodian	7284	journeyman/woman plasterer
6722	jockey valet	7251	journeyman/woman plumber
6742	jockey, car	7313	journeyman/woman refrigeration and air conditioning mechanic
6742	jockey, garage		
5251	jockey	7236	journeyman/woman reinforcing ironworker
9619	jogger - printing	7291	journeyman/woman roofer
7611	joiner helper - construction	7233	journeyman/woman sheet metal worker
9446	joiner sewing machine operator	7252	journeyman/woman sprinkler system installer
7271	joiner, railway rolling stock	7252	journeyman/woman steamfitter-pipefitter
9414	joint sawyer - concrete, clay and stone products	7281	journeyman/woman stonemason
		7283	journeyman/woman tilesetter
9437	jointer - woodworking	7232	journeyman/woman tool and die maker
9437	jointer machine tender, panels - woodworking	7373	journeyman/woman water well driller
		7237	journeyman/woman welder
9437	jointer operator - woodworking	4111	judge - law
9434	jointer tender - wood processing	0411	judge, administrative tribunal - government services
9437	jointer, staves - woodworking		
9434	jointer, veneer - wood processing	5253	judge, athletics
9437	jointing machine operator - woodworking	5253	judge, competitive sports
9414	jollier - clay products	5253	judge, figure skating
7531	journal box greaser - railway yard	5253	judge, goals

5253	judge, paddock - racetrack	6563	kennel keeper
5253	judge, patrol - racetrack	0651	kennel manager
5253	judge, racehorses - racetrack	0821	kennel operator
5253	judge, sport competitions	6563	kennelman/woman
5253	judge, sports	6533	keno dealer
5253	judge, standardbreds - racetrack	6533	keno runner, casino
5253	judge, track and field	6533	keno writer
5253	judge, track	9461	ketchup maker
1227	judicial administrator	9411	kettle charger
4112	judicial assistant - Supreme Court	9421	kettle operator - chemical processing
1416	judicial clerk	9421	kettle tender - chemical processing
1227	judicial court administrator	9411	kettle tender - primary metal processing
1227	judicial officer - courts	9441	kettle tender - textile manufacturing
1227	judicial officer	9461	kettelman/woman - food processing
1227	judicial services administrator	0601	key accounts manager - sales
5254	judo instructor	5226	key dresser
5251	judoka	5226	key grip
5232	juggler	1423	keyboard operator - typesetting
9617	juice blender	5133	keyboardist
5254	jujitsu instructor	9417	keyseater operator
7445	juke box mechanic	9417	keyseater set-up operator
9411	jumbo casting operator - zinc melting	9417	keyseating machine operator
8231	jumbo drill operator - underground mining	5252	kickboxing trainer
8411	jumbo drill operator helper - underground mining	3219	kidney dialysis technician
8231	jumbo drill operator	3219	kidney dialysis technologist
9431	jumbo operator - sawmill	9441	kier-boiler tender - textile manufacturing
8411	jumbo operator helper - underground mining	9611	kiln cleaner - primary metal and mineral products processing
5251	jumper	9611	kiln door builder - mineral products processing
9414	junction maker - concrete, clay and stone products	9414	kiln fireman/woman - clay products
6332	junior baker	9611	kiln labourer - primary metal and mineral products processing
1431	junior billing clerk	9611	kiln labourer
2274	junior engineer - water transport	9611	kiln operator helper - mineral products manufacturing
2234	junior estimator - construction	9414	kiln operator, bricks - clay products
1112	junior financial analyst	9414	kiln operator, decorating - clay products
8221	junior foreman/woman - mining	9414	kiln operator, glost - clay products
4032	junior high school teacher	9461	kiln operator, malt house - food and beverage processing
5252	junior hockey coach	9414	kiln operator, periodic - clay products
1431	junior invoice clerk	9414	kiln operator, tunnel - clay products
2273	junior mate, ship	9211	kiln workers foreman/woman - clay products
7315	junior mechanic, aircraft mechanical systems	9414	kilnman/woman - clay products
1411	junior office clerk	9414	kilnman/woman, bricks - clay products
1313	junior underwriter - insurance	9414	kilnman/woman, decorated products - clay products
5125	jurilinguist translator	9414	kilnman/woman, glazed products - clay products
1227	justice of the peace	9414	kilnman/woman, periodic - clay products
4111	justice	9414	kilnman/woman, tunnel - clay products
4111	juvenile court judge	9432	kiln-recaust operator - pulp and paper
K		3144	kinanthropologist
5254	karate instructor	4032	kindergarten teacher
8612	keeper, grounds	3144	kinesiologist
9533	keg builder, wood	3237	kinesitherapist
9533	keg maker, wood		
6563	kennel attendant		

4411	kinship care provider	9617	label coder - food and beverage processing
4411	kinship caregiver	9435	label cutter - paper converting
6552	kiosk information clerk	9619	label heat tacker
6421	kiosk sales clerk	9433	label operator - papermaking
7441	kitchen cabinet installer	9471	label printer
7441	kitchen cupboard and vanity installer	9537	label-cutting machine tender
5242	kitchen designer	6563	laboratory animal attendant
6711	kitchen helper	6563	laboratory animal care worker
7441	kitchen unit installer	3213	laboratory animal technician
9537	knife assembler	3213	laboratory animal technologist
9418	knife blade polisher	3114	laboratory animal veterinarian
9537	knife inspector	2211	laboratory assistant - applied chemistry
9447	knitted fabric inspector	3212	laboratory assistant - medical
9616	knitted fabric turner	4012	laboratory assistant, college
9442	knitter - textiles	4012	laboratory assistant, university
9616	knitter helper, machine	2112	laboratory chemist
9616	knitter helper	4012	laboratory demonstrator - post-secondary
9442	knitter, gloves		teaching assistance
5244	knitter, hand	0212	laboratory director
9442	knitter, hosiery	6732	laboratory equipment cleaner
9442	knitter, jersey	7441	laboratory equipment installer
9442	knitter, link machine	6732	laboratory facilities cleaner
9442	knitter, ribs - textiles	7441	laboratory furnishings installer
9442	knitter, samples	2121	laboratory immunologist
9442	knitter, seamless hosiery	0212	laboratory manager
9442	knitter, sock feet	0311	laboratory medicine, chief of
9442	knitter, socks - textiles	0311	laboratory medicine, director of
9442	knitter, surgical pads	4012	laboratory supervisor - post-secondary
9418	knitter, wire mesh		teaching assistant
9442	knitting area patroller - textiles	3212	laboratory technician - medical
9217	knitting foreman/woman	2212	laboratory technician - metallurgy
9447	knitting inspector	2211	laboratory technician, chemical
7311	knitting machine adjuster - textile	3414	laboratory technician, ophthalmic - retail
	manufacturing	3414	laboratory technician, optical - retail
7311	knitting machine fixer - textile manufacturing	3213	laboratory technician, veterinary
7311	knitting machine mechanic	2211	laboratory technologist, chemical
9442	knitting machine operator	4011	laboratory technology professor - university
7311	knitting machine setter - textile	2211	laboratory tester - pulp and paper
	manufacturing	2211	laboratory tester, chemical processing
9442	knitting machine tender	2211	laboratory tester
9442	knitting mender, machine	1121	labour adjudicator
7311	knitting pattern setter - textile manufacturing	4164	labour affairs officer - labour policy
9217	knitting supervisor - textile processing	2263	labour affairs officer - occupational health
9442	knotting machine operator - textiles		and safety
9418	knurling machine feeder	0411	labour demand analysis chief - government
9537	knurling machine operator, pen and pencil		services
6322	kosher foods cook	4162	labour economist
9465	kosher inspector - food and beverage	1223	labour force consultant
	processing	4165	labour force planning consultant - health
			sector
	L	7302	labour foreman/woman, excavating and
			grading
3233	L.P.N. (licensed practical nurse)	7302	labour gang foreman/woman, asphalt paving
9523	lab technician, wafer fabrication - electronic	7302	labour gang foreman/woman, concrete
	equipment manufacturing		paving
9619	label brander	4211	labour law clerk
		1242	labour law legal assistant

4211	labour law paralegal	7452	labourer - warehousing and storage
4112	labour lawyer	9614	labourer - wood processing
0412	labour market analysis director - government services	7621	labourer crew leader - public works
4164	labour market analyst	7611	labourer, asphalt plant - construction
4162	labour market information analyst	9611	labourer, ball mill - mineral products processing
4156	labour market information consultant	9619	labourer, bindery
4164	labour market information officer	7611	labourer, bituminous paving
4164	labour market policy officer	9619	labourer, boat assembly
4164	labour mobility policy consultant	9619	labourer, box factory
1121	labour organization agent	9619	labourer, candle manufacturing
1121	labour organization business agent	9618	labourer, cannery - fish processing
1121	labour organization business representative	8431	labourer, cattle ranch
1121	labour organization liaison officer	8612	labourer, cemetery
0423	labour organization manager	9613	labourer, chemical plant
1121	labour organization negotiator	7611	labourer, concrete paving
0014	labour organization president	7611	labourer, construction
1121	labour organizer	9619	labourer, cooperage
4164	labour policy analyst	9611	labourer, core room - foundry
4164	labour policy officer	9611	labourer, core shop - foundry
0411	labour regional director - government services	8431	labourer, dairy farm
1121	labour relations board officer	9619	labourer, dipping
1415	labour relations clerk	7611	labourer, earthworks - construction
1121	labour relations consultant	8431	labourer, egg grading station
1121	labour relations co-ordinator	7612	labourer, electric power and wire communications
0112	labour relations director	9619	labourer, electrical appliance manufacturing
0112	labour relations manager	9619	labourer, electrical products manufacturing
1121	labour relations officer	7611	labourer, excavation
1121	labour relations returning officer	9619	labourer, factory - manufacturing
1121	labour relations specialist	8431	labourer, farm
4164	labour standards analyst	9616	labourer, felt goods
2263	labour standards officer - occupational health and safety	8431	labourer, field and vegetable crops
2263	labour standards officer	9618	labourer, fish-processing plant
1121	labour union business agent	9611	labourer, flue dust - primary metal and mineral products processing
1121	labour union liaison officer	9619	labourer, footwear manufacturing
9613	labourer - chemical processing	8616	labourer, forestry
9617	labourer - food and beverage processing	9611	labourer, foundry
9613	labourer - gas utility	8431	labourer, fruit farming
7452	labourer - material handling	8431	labourer, fur ranch
9612	labourer - metal fabrication	9619	labourer, furniture manufacturing
9611	labourer - metallurgy	9619	labourer, furrier shop
9611	labourer - mineral and metal processing	9619	labourer, garment factory
9619	labourer - packaging company	9619	labourer, garment plant
9619	labourer - packaging	9619	labourer, general - electrical equipment assembly
9615	labourer - plastic products manufacturing	9619	labourer, general - manufacturing
9611	labourer - primary metal and mineral products processing	8612	labourer, golf course
9619	labourer - printing	8431	labourer, grain farm
9614	labourer - pulp and paper	8612	labourer, grounds maintenance
9615	labourer - rubber products manufacturing	9619	labourer, hide and pelt processing
7621	labourer - sanitary service	9611	labourer, kiln - primary metal and mineral products processing
9618	labourer - shellfish processing	8612	labourer, landscape
9619	labourer - shoe manufacturing	6741	labourer, laundry
9619	labourer - tannery	9619	labourer, leather processing
9616	labourer - textile processing		

8431	labourer, livestock	5252	lacrosse scout
8616	labourer, logging and forestry	9437	lacrosse stick bender - woodworking
8616	labourer, logging	9437	lacrosse stick gouger - woodworking
9617	labourer, meat-packing plant	9537	lacrosse stick lacer
9612	labourer, metal polishing-plating	9437	lacrosse stick maker - woodworking
9611	labourer, mill - mineral products processing	9437	lacrosse stick planer - woodworking
8614	labourer, mine	9437	lacrosse stick shaper - woodworking
8615	labourer, oil field	5252	lacrosse team coach
9611	labourer, ore processing	9533	ladder assembler, wood
9619	labourer, packaging company	9533	ladder builder, wood
9619	labourer, packaging	7371	ladle crane operator
9619	labourer, padding	9411	ladle operator - primary metal processing
9613	labourer, paint plant	9411	ladle pourer - primary metal processing
9614	labourer, paper converting	9411	ladle pourer
8612	labourer, park maintenance	9437	lag bolt machine tender - woodworking
7611	labourer, paving operations	7531	lag bolter operator - railway
9613	labourer, petroleum refinery	8431	lamb feedlot worker
7611	labourer, pipeline	9465	lamb grader
9615	labourer, plastic products manufacturing	9415	laminated asbestos products inspector
9614	labourer, plywood and veneer plant	9533	laminated beam inspector
8431	labourer, poultry farming	9437	laminated bowl machine tender - woodworking
9611	labourer, primary metal processing	9525	laminated core assembler - industrial electrical equipment
7611	labourer, quarry	9224	laminating foreman/woman - furniture and fixtures manufacturing
9611	labourer, refinery	9224	laminating foreman/woman
9611	labourer, rolling mill - primary metal processing	9433	laminating machine operator - paper mill
9611	labourer, salt screening	9473	laminating machine operator - printing
9614	labourer, sawmill	9423	laminating machine operator - rubber products manufacturing
7622	labourer, section - railway	9473	laminating machine operator
9619	labourer, shipyard	9435	laminating machine tender - paper converting
9619	labourer, shoe manufacturing	9422	laminating machine tender - plastic manufacturing
7611	labourer, shore dredging	9423	laminating machine tender - rubber products manufacturing
9611	labourer, smelter	9437	laminating press tender - woodworking
8612	labourer, sod laying	9525	lamination stacker - industrial electrical equipment
9611	labourer, steel plant	9527	lamination-stacking machine tender - electrical equipment manufacturing
9617	labourer, syrup-processing plant	9531	laminator, boat assembly
9611	labourer, tailings disposal - primary metal processing	9532	laminator, hand - furniture manufacturing
9617	labourer, tobacco processing	9535	laminator, moulds - plastic manufacturing
9614	labourer, wood-preserving plant	9535	laminator, plastics - plastic manufacturing
9616	labourer, woollen mill	9437	laminator, plastics - wood furniture manufacturing
7622	labourer, yard - railway transport	9523	laminator, television picture tubes
9617	labourer, yeast-processing plant	9527	lamp filament processor
7302	labourers and other elemental workers foreman/woman - construction	8411	lamp keeper - underground mining
9211	labourers foreman/woman - primary metal and mineral products processing	9537	lampshade assembler
5244	lace weaver - arts and crafts	9418	lampshade frame maker, wire
9442	lace weaver	9537	lampshade maker
9619	lacer - footwear manufacturing	9537	lampshade sewer
9619	lacer - sporting goods manufacturing	2281	LAN (local area network) administrator
9537	lacer, lacrosse stick		
9421	lacquer maker		
9536	lacquer sprayer, bench		
9536	lacquer-sprayer, products		
9536	lacquer-sprayer		
5252	lacrosse coach		

2281	LAN (local area network) manager	4021	language instructor - language school
2281	LAN (local area network) operator	4021	language laboratory teacher - college level
2281	LAN (local area network) technician	4011	language professor - university
1225	land agent	4021	language school instructor
0125	land contracts manager	4032	language teacher - elementary school
2131	land drainage engineer	0112	language training director
2255	land information system (LIS) technician	4166	languages co-ordinator - education
2255	land information system (LIS) technologist	9441	lap machine tender - textile manufacturing
1225	land negotiator	6344	lapidary
1227	land registrar	9441	lapper - textile manufacturing
1452	land registry clerk	9441	lapper tender - textile manufacturing
2154	land survey supervisor	9417	lapper, hand - metal machining
2254	land survey technician	9525	lapper, transformer cores
2254	land survey technologist	9435	lapper, wallpaper - paper converting
2154	land surveying party chief	9435	lapper, wallpaper
2154	land surveyor	9417	lapping machine operator
4211	land titles clerk	9417	lapping machine set-up operator
4211	land titles examiner	9417	lapping machine tender
4162	land use economist	9441	lap-winder tender - textile manufacturing
2153	land use planner	9617	lard bleacher - food and beverage processing
2153	land use specialist		lard renderer - food and beverage processing
2231	land use technician	9461	lard renderer - food and beverage processing
8442	land-based seal hunter		large electrical appliance assembly lead hand
8442	land-based sealer	9524	large electrical appliance assembly lead hand
0912	landfill manager		large power transformer coil winder
9613	landfill scale operator	9525	large power transformer coil winder
9212	landfill supervisor	9536	large surface spray painter
9613	landfill weigh scale attendant	9525	large transformer coil winder
8421	landing buckler - logging	9411	larry car operator
8421	landingman/woman - logging	3111	laryngologist
8421	landingman/woman	9523	laser assembler - electronic equipment manufacturing
1224	landlord/lady		laser beam colour scanner operator
1225	landman/woman - oil and gas	9472	laser beam colour scanner operator
2152	landscape architect	7237	laser beam machine-welder operator
2225	landscape architectural technician	7237	laser beam welder
2225	landscape architectural technologist	7237	laser beam welding machine operator
0212	landscape architecture manager	9416	laser cutter - metal fabrication
5136	landscape artist, murals	2111	laser physicist
8255	landscape design contractor	9471	laser printer operator
2225	landscape designer	2241	laser technician
8612	landscape gardener helper	7237	laser welding operator
2225	landscape gardener	9523	laser-trimmer operator - electronic equipment manufacturing
8612	landscape gardening helper		last ironer - shoe manufacturing
8612	landscape labourer	9619	last ironer - shoe manufacturing
8255	landscape maintenance contractor	9437	last remodeler - woodworking
5136	landscape painter	9437	last repairman/woman - woodworking
2152	landscape planner	9437	last trimmer - woodworking
8255	landscape service contractor	9437	last turner - woodworking
2225	landscape technician	9537	laster - footwear manufacturing (except rubber)
8612	landscape worker		laster - rubber footwear manufacturing
2225	landscaper	9423	laster - rubber footwear manufacturing
8255	landscaping contractor	9437	last-lathe tender - woodworking
8255	landscaping foreman/woman	5245	last-pattern grader
4021	landscaping instructor	9217	latex carpet-backing department foreman/woman
8255	landscaping supervisor		latex coagulation operator
4166	language assessor - education	9421	latex coagulation operator
4166	language assessor	9421	latex compounder

9423	latex ribbon machine operator - rubber products manufacturing	1213	law archivists supervisor
9423	latex thread machine operator - rubber products manufacturing	4211	law clerk to judge
9615	latex thread spooler - rubber products manufacturing	4211	law clerk
9441	latex-coating machine operator - textile manufacturing	4021	law enforcement teacher
9417	lathe hand - metal machining	5111	law librarian
9417	lathe machining operator	4112	law partner
9414	lathe operator - concrete products	4011	law professor - university
9417	lathe operator - metal machining	5123	law reporter
9437	lathe operator - woodworking	4021	law teacher - police college
9417	lathe operator, CNC (computer numerical control) - metal machining	7335	lawn and garden equipment technician
9437	lathe operator, toothpicks	6421	lawn and garden supplies salesperson - retail
9437	lathe sander - woodworking	8255	lawn care contractor
9434	lathe spotter - wood processing	8612	lawn care labourer
9437	lathe turner - woodworking	8255	lawn care service contractor
7284	lather applicator	2225	lawn care specialist
7284	lather apprentice	2225	lawn care superintendent
7284	lather (interior systems mechanic)	8255	lawn care supervisor
7284	lather	8612	lawn care worker
7284	lather-mechanic, interior systems	8255	lawn maintenance contractor
7205	lathers foreman/woman	9524	lawn mower assembler, electric
7205	lathers supervisor	7335	lawn mower repairer, gasoline powered
4031	Latin teacher - secondary school	8612	lawn mower
9418	lattice weaver, wire	8612	lawn-mowing worker
7533	launch captain	4112	lawyer, legal aid
7533	launch master	4112	lawyer
7533	launch operator	4211	lay notary public
7533	launch owner-operator	7235	layer out developer, structural metal and platework
2273	launchman/woman	7235	layer out, structural metal and platework
6741	launderer	7281	layer, fire bricks
6316	launderers supervisor	7283	layer, marble
6316	launderers, dry cleaners and press operators foreman/woman	5245	layer-out and patternmaker
6742	laundromat attendant	9417	layer-out, machine shop
6316	laundry and dry cleaning foreman/woman	7233	layer-out, sheet metal
0015	laundry and dry cleaning general manager	9619	layer-up - garment manufacturing
0651	laundry and dry cleaning manager	5245	lay-out and patternmaker
6316	laundry and dry cleaning workers and press operators foreman/woman	5241	layout artist
6741	laundry attendant	5241	layout designer, animation
6741	laundry finisher	5241	layout designer
6741	laundry helper	7272	layout marker - cabinetmaking
6741	laundry labourer	9416	lay-out marker - metal products manufacturing
6741	laundry machine operator	9437	lay-out marker - woodworking
0651	laundry manager	9417	layout marker, machine shop
6316	laundry production supervisor	9414	layout marker, stones
7514	laundry route driver	7235	layout marker, structural metal
0651	laundry service manager	9537	layout table hemmer
6411	laundry services sales representative	9434	layup machine operator - wood processing
6316	laundry supervisor	9535	layup man/woman, fibreglass - plastic manufacturing
9414	laundry tub moulder - concrete products	9619	lay-up worker - garment manufacturing
6741	laundry worker	9535	layup worker, fibreglass - plastic manufacturing
4112	law and corporate affairs adviser	9535	layup worker, plastic reproduction
		7511	LCV (long combination vehicle) driver
		9411	leaching operator - primary metal processing

9527	lead acid battery parts inspector	9411	lead refiner
9527	lead acid battery production tester - electrical equipment manufacturing	9211	lead refining foreman/woman
9527	lead acid electrical battery production tester	9412	lead shot caster - foundry
9527	lead acid storage battery plate former - electrical equipment manufacturing	7237	lead welder
9527	lead acid storage battery plate maker	9411	lead wheel operator
9527	lead acid storage battery tester - electrical equipment manufacturing	9411	lead-casting machine operator - primary metal processing
9527	lead acid storage battery tester	7292	leaded glass glazier
9411	lead and copper refiner	0011	leader of the opposition
9611	lead burner helper, zinc electrolysis	5132	leader, choir
7237	lead burner	4021	leader, management seminar
9411	lead caster - primary metal processing	8221	leader, shift - mining and quarrying
9412	lead caster, hand - foundry	4313	leading seaman
9412	lead casting machine operator	9411	lead-melting furnace tender - metal processing
9536	lead coater	9411	lead-melting kettle tender - metal processing
9212	lead collections operator - water treatment	9231	lead-refining furnace operator
9411	lead dust treater	9411	lead-smelting furnace tender - metal processing
9411	lead extruder operator - primary metal processing	9411	lead-smelting kettle tender - metal processing
9416	lead fabricator	9522	leaf spring assembler - motor vehicle manufacturing
9527	lead former - electrical equipment manufacturing	9416	leaf spring inspector
9532	lead hand assembler - furniture manufacturing	9416	leaf spring maker - metal fabrication
9533	lead hand, assemblers - wood products manufacturing	7442	leak inspector, gas mains
9524	lead hand, assembly - electrical equipment manufacturing	7442	leak locator, gas mains
7316	lead hand, assembly mechanics-fitters	9531	leak tester, aluminum boats
7333	lead hand, electrical mechanics	9524	leak tester, refrigerant gases
9416	lead hand, forging machine operators	7442	leakage tester, gas mains
9536	lead hand, industrial painters	4033	learning and study skills specialist
9524	lead hand, large electrical appliance assembly	0413	learning programs director - adult education
9526	lead hand, mechanical assemblers	0413	learning programs director - early-childhood education
7235	lead hand, metal preparation - structural metal and platework	0413	learning programs director - elementary education
9524	lead hand, small electrical appliance assembly	0413	learning programs director - secondary education
7283	lead hand, tilers	1221	lease administration supervisor
9533	lead hand, wood products assembly	4211	lease and title clerk
7244	lead lineman/woman - electric power systems	9442	lease worker - textiles
7244	lead lineman/woman - electricity production and transmission	8615	leasehand - oil and gas drilling
9232	lead operator - chemical processing	8615	leasehand
9422	lead operator, blow-moulding machine - plastic manufacturing	9442	leaser - textiles
9212	lead operator, collections - water treatment	6421	leasing agent, automobiles
9422	lead operator, injection-moulding machine - plastic manufacturing	6411	leasing agent, signs and displays
9212	lead operator, water treatment	1224	leasing and development officer - public works
9421	lead oxide maker - chemical processing	6421	leasing clerk, storage facility
9421	lead oxide mill tender - chemical processing	1224	leasing co-ordinator, property
9611	lead reclaimer - primary metal processing	9442	leasing machine tender - textiles
		0121	leasing manager - real estate
		6421	leasing representative, automobiles
		6421	leasing representative, motor vehicles - retail
		6411	leasing services sales representative
		9537	leather bag maker
		9619	leather belt maker

9441	leather buffer - hide and pelt processing	4011	lecturer - university
9537	leather case maker	4021	lecturer, college
2112	leather chemist	4011	lecturer, university
6741	leather cleaner - laundry and dry cleaning	1431	ledger clerk
9619	leather coater	1434	ledger control clerk - financial sector
9445	leather cutter - leather footwear manufacturing	1434	ledger control clerk
9445	leather cutter	1434	ledger control officer - financial sector
9441	leather dyer - hide and pelt processing	1242	legal administrative assistant
6741	leather finisher - dry cleaning	4112	legal advisor
9217	leather finishing foreman/woman - hide and pelt processing	4112	legal aid lawyer
9445	leather garment cutter - manufacturing	1242	legal assistant - criminal law
9446	leather garment sewer	4021	legal assistant program teacher
9446	leather garment sewing machine operator	1242	legal assistant, collection
9447	leather glove examiner	1242	legal assistant
9446	leather glove repairer	4112	legal attaché
9619	leather glove worker	4112	legal counsel
0621	leather goods and clothing store manager	0114	legal department chief
9447	leather goods inspector	0114	legal department director
6421	leather goods salesperson - retail	0125	legal firm manager
9536	leather goods spray painter	4112	legal officer
9536	leather goods sprayer	4211	legal researcher
9447	leather grader	4021	legal secretarial program teacher - community college
9445	leather harness maker	1242	legal secretary
9447	leather inspector	1227	legal services officer - courts
9445	leather marker	1213	legal services record writers supervisor
9441	leather measurer - hide and pelt processing	1242	legal stenographer
6741	leather or suede sprayer - laundry and dry cleaning	2254	legal survey assistant
9441	leather polisher - hide and pelt processing	2254	legal survey technician
9445	leather pressman/woman	2254	legal survey technologist
9619	leather processing labourer	2154	legal surveyor
9537	leather products assembler	4211	legal technician
9217	leather products manufacturing foreman/woman	5125	legal terminologist
5245	leather products patternmaker	5125	legal translator
9446	leather products sewing machine operator	4112	legislative adviser
9445	leather rifle case maker	0423	legislative assembly clerk
9537	leather riveter - footwear manufacturing	0414	Legislative Assembly services director
9441	leather sander - hide and pelt processing	1222	legislative assistant
9446	leather sewer	0011	legislative body speaker
9441	leather shaver - hide and pelt processing	4168	legislative committee officer
9447	leather sorter	4112	legislative counsel
9441	leather stainer - hide and pelt processing	0414	legislative services director
9447	leather stock inspector	0011	legislator
9441	leather stretcher - hide and pelt processing	4167	leisure activities consultant
9441	leather tanner	4167	leisure activities counsellor
9447	leather tanneries inspector	4167	leisure activities program co-ordinator
9445	leather trunk maker	0513	leisure administrator in chief
5244	leather worker, hand	0513	leisure administrator
5244	leather worker	4167	leisure analyst
9446	leather-glove-stitching machine operator	6722	leisure and sports attendant
9446	leather-sewing machine operator	0513	leisure and sports director
9445	leather-stripping machine tender - leather products manufacturing	6722	leisure attendant
4021	lecturer - college	0513	leisure centre director
		0513	leisure centre sports director
		4167	leisure chief administrator
		4167	leisure consultant
		4167	leisure co-ordinator

4167	leisure counsellor	9437	leveller operator - woodworking
0513	leisure director	9614	leverman/woman - wood processing
0513	leisure establishment director	9611	leverman/woman, depiler table - primary metal processing
0513	leisure establishment managing supervisor		lexicographer
6722	leisure facility attendant	5121	LHD (load-haul-dump) operator - underground mining
0513	leisure head administrator	8231	liability adjuster - insurance
0513	leisure manager		liability clerk - financial sector
4167	leisure policy analyst	1312	liability trading manager
4167	leisure program co-ordinator	1434	liability underwriter
5254	leisure program leader	0121	liaison librarian
0513	leisure programs director	1313	liaison nurse
0513	leisure programs manager	5111	liaison officer, child-care services
0513	leisure service director	3012	liaison officer, health and social services
0513	leisure service manager	4164	liaison officer, labour organization
4167	leisure services co-ordinator	4165	liaison officer, labour union
6235	lending services officer	1121	liaison officer, Native land claims
6235	lending services trainee	1121	liaison officer
1114	lending solutions manager	4168	librarian
9619	lens blank marker	1221	librarian-teacher, elementary school
9619	lens block cleaner	5111	librarian-teacher, high school
9619	lens blocker	4032	library aide
3414	lens coating technician, ophthalmic goods	4031	library assistant
3414	lens cutter, ophthalmic goods	1451	library chief
9537	lens edger feeder - non-prescription	1451	library clerk
9537	lens edger tender - non-prescription	0511	library clerks supervisor
3414	lens grinder, ophthalmic	1451	library consultant
3414	lens grinder-polisher setter	1213	library co-ordinator
9619	lens hardener	5111	library curator
3414	lens marker - health support services	5112	library director
3414	lens marker - ophthalmic	0511	library filer
9537	lens mounter, eyeglasses	1451	library loans supervisor
3414	lens picker, optical and ophthalmic goods	1213	library page
3414	lens tinter, ophthalmic goods	1451	library science professor - university
9537	lens-grinding machine tender - non-prescription	4011	library supervisor
9537	lensometer operator - non-prescription	5111	library technician
9537	lens-polisher operator - non-prescription	5211	licence clerk
9537	lens-polishing machine operator - non-prescription	1452	licence clerks supervisor
9537	lens-silverer operator - non-prescription	1213	licence inspector
9537	lens-silvering machine operator - non-prescription	4423	licensed contact lens practitioner
1512	letter carrier	3231	licensed cook
1214	letter carriers supervisor	6322	licensed customs broker
1511	letter sorting clerk	1315	licensed dental assistant
9414	letterer, monuments - stone products	3411	licensed dental therapist
5223	letterer, photo processes - graphic arts	3222	licensed dispensing optician
9536	letterer, railway cars	3231	licensed hearing instrument specialist
9536	letterer, signs	3237	licensed interior designer
5223	lettering artist	5242	licensed midwife
7303	letterpress foreman/woman - printing	3124	licensed nursing assistant
7381	letterpress operator - printing	3233	licensed optician
7381	letterpress proof press operator - printing	3231	licensed practical nurse (L.P.N.)
7381	letterpress proof puller - printing	3233	licensed practitioner, contact lenses
7303	letterpress room foreman/woman	3231	lie detector examiner
8221	level boss - underground mining	6541	lied singer
9619	level vial setter	5133	lieutenant - air force
		0433	lieutenant - army

0433	lieutenant - navy	9527	light-bulb-sealing machine operator -
0433	lieutenant colonel		electrical equipment manufacturing
0433	lieutenant commander	9527	light-bulb-sealing machine tender - electrical
0433	lieutenant general		equipment manufacturing
4312	lieutenant, firefighters	7533	lighthouse keeper
0433	lieutenant	6421	lighting appliance salesperson - retail
0011	lieutenant-governor	5227	lighting assistant
2161	life actuary	5243	lighting designer - exhibits
5254	life enrichment co-ordinator - recreation and	5243	lighting designer
	fitness	5226	lighting effects chief technician
6231	life insurance agent	9524	lighting fixture assembler
6231	life insurance representative	9524	lighting fixture assembly section leader
6231	life insurance salesman/woman	6411	lighting fixture sales representative -
4011	life sciences professor - university		wholesale (non-technical)
0212	life sciences program manager	9524	lighting fixtures wirer
2221	life sciences research technician	6421	lighting salesperson - retail
4212	life skills coach	5226	lighting technician
4212	life skills instructor	2241	lighting technologist
1313	life underwriter	6221	lighting, heating and power sales
5254	lifeguard, beach		representative
5254	lifeguard, pool	6221	lighting, heating and power sales specialist
5254	lifeguard	7441	lightning cable installer
7452	lift driver	7611	lightning rod erector helper
7452	lift jack operator	7441	lightning rod installer
6316	lift operation supervisor	9421	light-oil extractor operator
7452	lift scoop operator	9611	lime kiln helper - mineral products
7334	lift truck mechanic		processing
7452	lift truck operator	9614	lime kiln helper - pulp and paper
2262	lifting gear inspector	9411	lime kiln operator - mineral and metal
9226	light agricultural and farm equipment		processing
	assembly foreman/woman	9432	lime kiln operator - pulp and paper
9526	light agricultural equipment assembler	9611	lime kiln operator helper - mineral products
9526	light agricultural machinery assembler		processing
9226	light agricultural machinery assembly	9411	lime kiln operator
	foreman/woman	9414	lime mixer operator
9527	light bulb inspector and tester	9414	lime mixer tender
9527	light bulb inspector	9211	lime preparation foreman/woman
9527	light bulb maker	9611	lime slaker
9527	light bulb making inspector	9432	lime sludge mixer
9527	light bulb making machine operator	9441	limer - hide and pelt processing
9527	light bulb tester	8614	limestone spreader - underground mining
9526	light construction equipment assembler	2121	limnologist
9226	light construction machinery assembly	7513	limousine driver
	foreman/woman	7202	line and cable contractor
6731	light duty cleaner	7202	line and cable installation and maintenance
9526	light farm equipment assembler		supervisor
9524	light fixtures assembler	7202	line and cable installation foreman/woman
9526	light industrial truck assembler	7202	line and cable installers foreman/woman
9526	light material-handling equipment assembler	7202	line and cable workers supervisor
7452	light materials handler	9437	line and frame pole worker - wood products
7305	light rail transit (LRT) operators	7246	line and station installer, telephone
	foreman/woman	9524	line assembly utilityman/woman - electrical
7305	light rail transit (LRT) operators supervisor		equipment manufacturing
7512	light rail transit operator	9524	line assembly, utilityman/woman
9522	light truck assembler - automobile assembly	7244	line checker - electric power systems
6221	light, heat and power sales engineer	9537	line checker, hardboard coating
		2133	line construction engineer

6322	line cook	9522	line-up man/woman - motor vehicle manufacturing
8411	line crew blaster - underground mining	7244	lineworker - electrical power systems
5134	line dance teacher	7612	lineworker helper
5134	line dancer	7245	lineworker-technician - telecommunications
5122	line editor	4169	linguist
8262	line fisherman/woman	4169	linguistic anthropologist
7202	line foreman/woman - power lines	4011	linguistics professor - university
7202	line foreman/woman - telecommunications	9619	lining inserter, skates
7245	line inspector - telecommunications	9446	lining sewer
9535	line inspector, linoleum	9446	lining stitcher
7244	line installation trainee - electric power systems	9619	link cutter - garment manufacturing
7245	line installer - telecommunications	9442	link machine knitter
7245	line installer-repairer - telecommunications	9418	link wire machine set-up operator
7442	line locator - utilities	9418	link wire machine tender
7244	line maintainer - electric power systems	9617	linking machine tender - food and beverage processing
7244	line patroller - electric power systems	7295	linoleum floor covering installer
7244	line repairer - electric power systems	7295	linoleum floor covering layer
7245	line repairer - telecommunications	7295	linoleum floor installer
7244	line servicer - electric power systems	7295	linoleum floor layer
9441	line spooler	9422	linoleum floor tile backer
7245	line technician, telecommunications	9422	linoleum floor tile calender operator
7511	line-haul driver	9535	linoleum inspector
8241	linehorse operator	9535	linoleum line inspector
7244	lineman/woman - electric power systems	9421	linoleum oil oxidizer
7244	lineman/woman - electric streetcar	9535	linoleum quality control inspector
7612	lineman/woman helper - power and communication lines	1423	Linotype composing machine operator
7612	lineman/woman helper	7311	linotype repairer
7244	lineman/woman trainee - electric power systems	9461	linseed oil extractor
7244	lineman/woman trainee - electricity production and transmission	4215	lip-reading instructor
7245	lineman/woman, telecommunications	4215	lip-reading teacher
7245	lineman-technician/linewoman-technician - telecommunications	9232	liquefaction plant operator
1522	linen room attendant	9421	liquefied gas drum filler
1522	linen supply clerk	7511	liquid fertilizer truck driver
1522	linenkeeper	2134	liquid fuels engineer
7621	line-painting machine operator - highways and roads	9421	liquid mixer, photographic chemicals
7611	liner installer, pipelines	2261	liquid penetrant technician - non-destructive testing
9435	liner machine operator - paper converting	2261	liquid penetrant testing technician
7612	liner replacer - ore-processing equipment	9461	liquid sugar operator
9423	liner reroller - rubber products manufacturing	0912	liquid waste facility manager
9619	liner, crates	9243	liquid waste process operator
9619	liner, gloves	9243	liquid waste-processing plant, operator
2241	lines distribution design technologist	7452	liquids loader-unloader
7533	lineshandler - canal lock system	9461	liquor blender - food and beverage processing
7533	linesman/woman - canal lock system	4423	liquor board licence inspector
7384	linesman/woman - shipbuilding	0012	liquor commissioner
5253	linesman/woman, sports	1524	liquor controller - inventory
9522	line-up adjuster - motor vehicle manufacturing	9461	liquor gallery tender - food and beverage processing
5122	line-up editor	9617	liquor gallery tender helper - food and beverage processing
9472	lineup examiner - printing	4423	liquor licence inspector
		9432	liquor maker - pulp and paper
		6411	liquor sales representative - wholesale

6411	liquor sales representative	2123	livestock specialist
0621	liquor store manager	8431	livestock weigher
6421	liquor store sales clerk	8431	livestock yard attendant
6211	liquor store supervisor	8431	livestock yardman/woman
9465	liquor tester - food and beverage processing	6523	load agent - airline
2255	LIS (land information system) technician	6523	load control agent - airline
2255	LIS (land information system) technologist	1215	load control supervisor
1123	literary agent	9241	load dispatcher - electrical power systems
5123	literary critic	9241	load dispatcher apprentice - electrical power systems
5122	literary editor		
5125	literary translator	6523	load planner, airline
5121	literary writer	9613	loader - chemical processing
4011	literature professor - university	7521	loader operator - construction
5241	litho artist	8241	loader operator - logging
5136	lithographic artist	7452	loader operator, bulk materials
9619	lithographic offset press feeder	8411	loader, chute - underground mining
7381	lithographic offset proofer	9611	loader, coke - primary metal processing
7381	lithographic offset proofing hand	7452	loader, fats and oils
9472	lithographic plate preparer	7452	loader, freight (except air transport)
9472	lithographic platemaker	9611	loader, furnace - primary metal and mineral products processing
9619	lithographic press feeder, sheet metal		
7381	lithographic press operator - printing	8241	loader, logging truck
7381	lithographic press operator, sheet metal	7452	loader, railway car
7381	lithographic pressman/woman - printing	7452	loader, ready-mix trucks
7381	lithographic pressman/woman, sheet metal	9611	loader, scrap metal
7381	lithographic printer	8411	loader, skip - underground mining
1242	litigation administrative assistant	7452	loader, tank trucks
4211	litigation law clerk	7452	loader, trucks
1242	litigation legal assistant	8231	loaderman/woman, diesel - underground mining
4211	litigation paralegal		
1242	litigation secretary	7452	loader-unloader - material handling
4112	litigator	7452	loader-unloader, furniture
4412	live-in caregiver - persons with disabilities	7452	loader-unloader, liquids
4412	live-in caregiver - seniors	8231	load-haul-dump (LHD) operator - underground mining
4411	live-in caregiver, child care		
4411	live-in nanny	7302	loading and moving foreman/woman - construction
6733	live-in superintendent		
8252	livery stable foreman/woman	7533	loading bridge operator - ferry
8252	livestock attendant	7533	loading bridge operator
8252	livestock breeding service contractor	7302	loading dock foreman/woman
6411	livestock broker	8211	loading foreman/woman - logging
6222	livestock buyer	8411	loading head operator - underground mining
6411	livestock commission agent	9421	loading inspector - chemical processing
0621	livestock dealer	8231	loading machine operator - underground mining
0212	livestock development manager		
8431	livestock driver	8411	loading pocket operator - underground mining
8252	livestock exchange contractor		
8252	livestock farm workers foreman/woman	7535	loading shovel oiler
0821	livestock farmer	0122	loan and credit manager - banking or trust company
8252	livestock foreman/woman		
2222	livestock inspector	1434	loan clerk - financial sector
9462	livestock killer	1435	loan collector
8431	livestock labourer	6235	loan inspector
0212	livestock production programs manager	6235	loan officer
0212	livestock program development manager	6235	loans adviser
8252	livestock raising foreman/woman	6235	loans agent
6411	livestock sales representative - wholesale	6235	loans analyst

1241	loans and grants administrative assistant	7301	locomotive erecting shop foreman/woman
6235	loans counsellor	7361	locomotive hostler
0122	loans manager trainee	7301	locomotive inspectors foreman/woman
0122	loans manager	7531	locomotive maintenance attendant
1213	loans supervisor, library	7312	locomotive mechanic
6235	loans supervisor	9536	locomotive painter
0014	lobby chief executive officer - health, education, social and community services and membership organizations	7312	locomotive repairman/woman, diesel
6721	lobby porter	7531	locomotive servicer
4164	lobbyist, Aboriginal issues	6731	lodge cleaner
4161	lobbyist, agricultural issues	0632	lodging house manager
4163	lobbyist, business issues	6313	lodging house managing supervisor
4161	lobbyist, environmental issues	6731	lodging-establishment cleaner (except private households)
4164	lobbyist, Native issues	9531	loft rigger - boat assembly
2221	lobster culture technician	7384	loftsman/woman - aircraft manufacturing
0823	lobster farmer	7384	loftsman/woman - shipbuilding
8262	lobster fisherman/woman	2212	log analyst
8613	lobster pound attendant	7532	log boom tugboat deckhand
9463	lobster processor - fish processing	6222	log buyer
2281	local area network (LAN) administrator	9434	log cooker - wood processing
2281	local area network (LAN) manager	9431	log cut-off operator - sawmill
2281	local area network (LAN) operator	9431	log cut-off operator
2281	local area network (LAN) technician	9431	log cut-off sawyer - sawmill
0012	local government manager	8421	log cutter
0411	local health services director - government services	9614	log deck tender
0423	local manager, social services	8616	log driver
5122	local news editor	9614	log feeder
6531	local tour guide	9431	log gang saw operator - sawmill
5125	localiser	9431	log gang sawyer - sawmill
5226	location manager - motion pictures and broadcasting	2223	log grader
1435	locator - collection	9614	log handler
9537	lock assembler	9431	log haul cut-off saw operator - sawmill
7384	lock expert	7511	log hauler
7384	lock fitter	9431	log hoist operator - sawmill
9537	lock maker	7271	log home builder
7533	lock operator	7271	log home carpenter
7384	lock repairer	7271	log home carpenter-builder
7384	lock repairman/woman	8241	log loader operator
7384	lock setter	8241	log loading machine operator
9461	locker plant attendant - food and beverage processing	9614	log peeler, hand
6742	locker room attendant	8241	log process operator
7533	lockmaster	8241	log processor operator
7384	locksmith	8616	log rider
7384	locksmithing expert	2223	log scaler
7531	locomotive attendant - railway yard	2212	log technician
7316	locomotive builder	9614	log transfer tender
7371	locomotive crane operator	7511	log truck driver
7371	locomotive craneman/woman	9434	log vat tender - wood processing
2275	locomotive dispatcher	8211	log yarding boss
7531	locomotive distributor - railway yard	8421	logger
9525	locomotive electrical inspector	8211	loggers supervisor - forestry
7531	locomotive engine servicer	8616	logging and forestry labourer
7361	locomotive engineer - railway	8232	logging and perforating operator - oil field services
		8232	logging and perforating operator
		6322	logging camp cook
		6711	logging camp cook's helper

8211	logging contractor	9442	loom drawer-in
8241	logging crane operator	7311	loom fixer - textile manufacturing
8211	logging crew supervisor - forestry	7311	loom fixer, jacquard - textile manufacturing
2145	logging engineer, oil wells	7311	loom fixer
6221	logging equipment salesperson	9612	loom helper, wire
8211	logging foreman/woman	9447	loom inspector
8616	logging labourer	7311	loom mechanic - textile manufacturing
7316	logging machinery fitter	7311	loom mechanic-repairer - textile manufacturing
8241	logging machinery operator	9442	loom operator
0811	logging production manager	7311	loom pattern changer
7302	logging road construction foreman/woman	7311	loom preparer
7302	logging road construction supervisor	7311	loom reed repairer - textile manufacturing
8211	logging supervisor	7311	loom repairer - textile manufacturing
8421	logging tractor operator	7311	loom setter - textile manufacturing
7511	logging truck driver	7311	loom setter, jacquard - textile manufacturing
8241	logging truck loader	7311	loom setter, wire weaving
1215	logistical supervisor - traffic	9418	loom setter, wires
1526	logistics clerk, transportation	9418	loom setter
0731	logistics director - transportation	7311	loom starter
1523	logistics inbound/outbound co-ordinator - production	7311	loom technician - textile manufacturing
0911	logistics manager - manufacturing	7311	loom technician
0731	logistics manager - transportation	9423	loom tender - rubber products manufacturing
0433	logistics officer	9442	loom threader helper
1215	logistics supervisor - transportation	9442	loom threader, machine
1215	logistics supervisor	9442	loom threader
3141	logopedist	9442	loom weaver
9461	lollipop maker	9441	loom-winder tender
7511	long combination vehicle (LCV) driver	9442	looper - textiles
7512	long distance bus driver	7311	looper fixer - textile manufacturing
1414	long distance telephone operator	7311	looper setter - textile manufacturing
7511	long distance truck driver	9442	looper, garments
7511	long haul driver, groceries	9442	looper, hosiery - textiles
7511	long haul driver	9442	looper, socks
7511	long haul tractor-trailer driver	9437	looping machine tender - wood products manufacturing
7511	long haul truck driver	1312	loss examiner - insurance
3413	long term care aide	2262	loss prevention inspector - insurance
8231	long-hole blaster - underground mining	6541	loss prevention officer - retail
8231	long-hole driller - underground mining	6541	loss prevention officers supervisor
8262	longline fisherman/woman	2233	loss prevention technologist - manufacturing
8262	longliner fisherman/woman	6552	lost claims clerk
2153	long-range planner - land use	6552	lost or damaged goods claim clerk
7451	longshore worker and tower-loader operator	1511	lost parcel post search clerk
7451	longshore worker	9412	lost pattern caster - foundry
7302	longshore workers foreman/woman	1511	lost postal package search clerk
7451	longshoreman/woman	9412	lost wax caster - foundry
7302	longshoremen/women, stevedores and freight handlers foreman/woman	6552	lost-and-found clerk
4165	long-term care program consultant	6552	lost-and-found desk clerk
8231	longwall coal shearer operator	6732	lot porter - auto cleaning
5232	look-alike	6421	lottery kiosk clerk
8422	lookout - forestry	6421	lottery sales representative - retail
7311	loom changer	4423	lottery supervisor - government services
9616	loom cleaner	6512	lounge supervisor-bartender
9616	loom doffer - textile processing	6513	lounge waiter/waitress
9442	loom drawer-in helper	7441	louvred fence erector
9442	loom drawer-in, machine	2133	low voltage equipment engineer

7511	low-bed semi-trailer driver	4413	lunchtime supervisor - primary and secondary school
0712	low-rise residential home builder		
2111	low-temperature physicist	3111	lung specialist
7305	LRT (light rail transit) operators foreman/woman	9441	lusterer - textile manufacturing
7305	LRT (light rail transit) operators supervisor	9461	lye peel tender - food and beverage processing
5125	LSQ (Quebec Sign Language) interpreter	5132	lyricist
9423	lube and splice operator - rubber products		
6221	lubricating equipment salesperson		
2132	lubrication engineer		
7535	lubrication technician - automotive service and repair		
7531	lubricator, railway cars	9461	macaroni press operator
1423	Ludlow machine operator	9471	machine advertising signs printer
1423	Ludlow typesetting machine operator	9418	machine assembler, springs
5252	luge coach	9442	machine ball fringe maker
5252	luge instructor	9527	machine base cement filler - electrical equipment manufacturing
9217	luggage assembly foreman/woman - fabric, fur and leather products manufacturing	9473	machine binder - printing
6721	luggage attendant	9473	machine bookbinder
6524	luggage checker (except airline)	9473	machine bronzer - printing
5243	luggage designer	9414	machine buffer, stones
9537	luggage finisher	7316	machine builder
9619	luggage handle maker	7316	machine builder-fitter
9537	luggage shell bonder operator	7301	machine builders foreman/woman
5243	luggage stylist	9435	machine cardboard maker
6222	lumber buyer	9437	machine carver - woodworking
9434	lumber drop sorter - wood processing	9414	machine cement pipe shaper - clay products
9614	lumber feeder - wood processing	9418	machine chain maker
9436	lumber grader	9617	machine cigar wrapper
9215	lumber grading foreman/woman - wood processing	9473	machine collator and gluer - printing
7452	lumber handler - building supplies	9435	machine colour card maker
9614	lumber handler - wood processing	1423	machine compositor - typesetting
9436	lumber inspector	9414	machine contour grinder - concrete, clay and stone products
9434	lumber kiln operator		
9436	lumber marker	9412	machine coremaker - foundry
0911	lumber mill manager	9412	machine coremaker
7452	lumber piler - building supplies	9473	machine cutter - printing
6411	lumber sales representative - wholesale	9418	machine cutter, metal pipes
9614	lumber salvager - wood processing	9435	machine cutter, rolls - paper converting
9431	lumber sizer operator - sawmill	9414	machine decorator - clay products
9434	lumber sorter, machine	2232	machine designer
7452	lumber stocker - material handling	9537	machine drapery pleater
9614	lumber straightener - wood processing	9411	machine drawer, wires
9614	lumber tailer - wood processing	9536	machine enameller
1523	lumber tallyman/woman	5244	machine engraver - arts and crafts
9614	lumber tier - wood processing	9537	machine engraver - manufacturing
7452	lumber unloader - material handling	9435	machine envelope flap gummer - paper converting
8421	lumberjack	9615	machine feeder, rubber cutting
9461	lump maker - tobacco processing	9619	machine feeder
9461	lump roller - tobacco processing	9445	machine felt cutter
7451	lumper - marine cargo handling	7316	machine fitter
6711	lunchroom counter attendant	7301	machine fitters foreman/woman
6711	lunchroom counterwoman/woman	7301	machine fitters supervisor
4413	lunchroom supervisor - school	9441	machine flesher - hide and pelt processing
		9473	machine folder - printing
		6741	machine fur cleaner

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9473	machine gatherer and gluer - printing	9615	machine operator helper, plastic products manufacturing
9435	machine gluer, pads - paper converting	9615	machine operator helper, rubber products manufacturing
9414	machine greenware turner - clay products	9473	machine operator, binding and finishing
9435	machine gummer, envelope flaps - paper converting	9414	machine operator, brick cutting - clay products
9537	machine heel maker	9414	machine operator, brick moulding - clay products
9611	machine helper - primary metal and mineral products processing	9414	machine operator, clay products
9423	machine hose cutter and brander - rubber products manufacturing	9414	machine operator, concrete blocks
9423	machine hose maker - rubber products manufacturing	9414	machine operator, concrete spinning
9437	machine jointer, panels - woodworking	6741	machine operator, laundry and dry cleaning
9616	machine knitter helper	9416	machine operator, metalworking
9442	machine knitting mender	9435	machine operator, paper converting
9442	machine loom drawer-in	9414	machine operator, plasterboard
9442	machine loom threader	9437	machine operator, woodworking
7301	machine maintenance foreman/woman - manufacturing	9619	machine packager
9414	machine marble polisher - stone products	9435	machine pad gluer - paper converting
9471	machine marker	9537	machine pleater, draperies
7612	machine mechanic-fitter helper	9461	machine plug moulder - tobacco processing
9442	machine mender, knitting	9434	machine plywood patcher
9412	machine moulder - foundry	9414	machine polisher, granite
9615	machine offbearer - rubber products manufacturing	9414	machine polisher, marble - stone products
9527	machine operator - electrical appliance and equipment manufacturing	9416	machine power saw operator
9527	machine operator - electrical appliance manufacturing	6741	machine presser - laundry and dry cleaning
9527	machine operator - electrical equipment manufacturing	9471	machine printer, advertising signs
9523	machine operator - electronic equipment manufacturing	9471	machine printer, signs
9463	machine operator - fish processing	1111	machine processing accountant
9461	machine operator - food and beverage processing	9527	machine riveter - electrical equipment manufacturing
9446	machine operator - garment manufacturing	9435	machine roll cutter - paper converting
9413	machine operator - glass forming and finishing	9435	machine roll splitter - paper converting
9441	machine operator - hide and pelt processing	9417	machine router - metal machining
9417	machine operator - metal machining	9437	machine sander - woodworking
9411	machine operator - mineral and metal processing	9416	machine setter, metalworking
9522	machine operator - motor vehicle manufacturing	9437	machine setter, woodworking
9422	machine operator - plastic manufacturing	9527	machine set-up operator - electric equipment manufacturing
9422	machine operator - plastics processing	9527	machine set-up operator - electrical appliance manufacturing
9536	machine operator - plating and metal spraying	9527	machine set-up operator - electrical equipment manufacturing
7531	machine operator - railway	9422	machine set-up operator - plastic manufacturing
9441	machine operator - textile fibre and yarn preparation	9414	machine shaper, cement pipes - clay products
9461	machine operator - tobacco processing	9612	machine shop bench hand - metal products manufacturing
7237	machine operator - welding, brazing and soldering	7231	machine shop charge hand
		7201	machine shop foreman/woman
		9612	machine shop helper - metal products manufacturing
		7231	machine shop inspector, auto parts
		7231	machine shop inspector
		7201	machine shop inspectors foreman/woman
		1522	machine shop keeper

9417	machine shop layer-out	7311	machinery mechanic, boilerhouse
7201	machine shop supervisor	7311	machinery mechanic, powerhouse
9471	machine shotgun-shell printer	6221	machinery salesperson
9473	machine side stitcher - printing	9417	machine-tool setter - metal machining
9471	machine sign writer	7231	machining and tooling inspector
9537	machine skiver - leather products manufacturing	7201	machining and tooling inspectors foreman/woman
9527	machine sleeve assembler - electrical equipment manufacturing	9417	machining equipment set-up operator
9435	machine splitter, rolls - paper converting	9224	machining foreman/woman - furniture and fixtures manufacturing
9431	machine splitter - sawmill	7201	machining foreman/woman
9414	machine splitter, stones	7231	machining inspector, firearms
9473	machine stitcher - binding	7231	machining inspector
9414	machine stone buffer	7201	machining inspectors foreman/woman
9414	machine stone splitter	7201	machining supervisor
9461	machine stripper - tobacco processing	7201	machining tool foreman/woman
9442	machine tassel maker	9417	machining tool operator, CNC (computerized numerical control)
9418	machine tender, nuts and bolts	9417	machining tool operator
9442	machine tier-in, warps - textiles	7201	machining tool operators foreman/woman
9617	machine tobacco packer	7231	machinist apprentice
7316	machine tool builder	7231	machinist, aircraft engine parts
7316	machine tool builder-integrator	7231	machinist, automotive
2232	machine tool designer	7231	machinist, ballistic laboratory
7201	machine tool grinding foreman/woman	7231	machinist, bench
7316	machine tool integrator	7231	machinist, CNC (computer numerical control)
9417	machine tool operator - metal machining	7231	machinist, diesel engines
7201	machine tool operators foreman/woman	7231	machinist, differential gear testing
9417	machine tool setter	7231	machinist, experimental
9417	machine tool set-up man/woman	7231	machinist, maintenance
9417	machine tool set-up operator, aircraft engine parts	7231	machinist, model maker
9417	machine tool set-up operator, bench	7231	machinist, motion picture equipment
9417	machine tool set-up operator	7231	machinist, mouldmaking
9423	machine trimmer - rubber products manufacturing	7231	machinist, moulds and cores
9526	machine try-out tester	7231	machinist, precision
9527	machine tube assembler - electrical equipment manufacturing	7231	machinist, toolroom
9435	machine tube maker - paper converting	5226	machinist
9527	machine tuber - electrical equipment manufacturing	7201	machinist-electrician
9435	machine tuber - paper converting	7201	machinists and machine tool set-up operators foreman/woman
9414	machine turner, greenware - clay products	7201	machinists foreman/woman
7237	machine type solderer	5132	machinists supervisor
1423	machine typesetter	6623	maestro
9442	machine warp tier-in - textiles	5122	magazine distribution agent - retail
6741	machine washer - laundry and dry cleaning	1215	magazine editor
7237	machine welder	1522	magazine foreman/woman, explosives
9411	machine wire drawer	6411	magazine keeper
9527	machine wire-cutter and wire-stripper - electrical equipment manufacturing	6411	magazine sales representative - wholesale
9617	machine wrapper, cigars	6421	magazine sales representative
7231	machined parts inspector	6421	magazine salesperson - retail
9412	machine-line moulder - foundry	6623	magazine shop clerk
7301	machinery assembly foreman/woman	5232	magazine subscription solicitor
7316	machinery manufacturing fitter	4111	magician
7301	machinery manufacturing foreman/woman	9416	magistrate court judge
		2212	magnetic flame cutting machine operator - metal fabrication
			magnetic observer

2261	magnetic particle technician	0714	maintenance and service manager
2261	magnetic particle tester	0714	maintenance and service superintendent
2261	magnetic particle testing technician	7234	maintenance boilermaker
3215	magnetic resonance imaging (MRI) technologist	7281	maintenance bricklayer
3215	magnetic resonance technologist	7611	maintenance carpenter helper
9411	magnetic separator operator - primary metal processing	7271	maintenance carpenter
9537	magnetic valve assembler	7271	maintenance carpenter-joiner
2111	magnetism physicist	7204	maintenance carpenters foreman/woman
9523	magnetometer assembler - electronic equipment manufacturing	7282	maintenance cement mason
6731	maid - cleaning services	7301	maintenance chief, aircraft
1414	mail and message distribution clerk	0714	maintenance co-ordinator
1214	mail and postal clerks supervisor	0714	maintenance director
1512	mail carrier, special delivery	7242	maintenance electrician - industrial
1512	mail carrier	7202	maintenance electricians foreman/woman
1214	mail carriers supervisor	7202	maintenance electricians supervisor
1511	mail clerk - railway transport	7315	maintenance engineer, aircraft mechanical systems
1511	mail clerk	7522	maintenance equipment operator - public works
1214	mail clerks supervisor	7531	maintenance equipment operator, railway track
1512	mail collector	7301	maintenance foreman/woman, production machinery
1511	mail counter clerk	2264	maintenance inspector - construction
1513	mail courier - courier service	7271	maintenance joiner
1512	mail deliverer	7621	maintenance labourer - public works
1511	mail distribution clerk	8612	maintenance labourer, parks
1214	mail facilities senior administrator	7244	maintenance lineman/woman - electric power systems
1511	mail filing clerk	7201	maintenance machine shop foreman/woman
1511	mail handler	7231	maintenance machinist
0132	mail operations manager	6733	maintenance man/woman, buildings
1411	mail order clerk	0714	maintenance manager
1411	mail order filler	7311	maintenance mechanic - utilities
1511	mail processing clerk	7612	maintenance mechanic helper, factory or mill
0132	mail processing plant manager	7301	maintenance mechanic supervisor, production equipment
0132	mail processing plant superintendent	7301	maintenance mechanic supervisor, production machinery
1511	mail room assistant	7311	maintenance mechanic technician - industrial
1511	mail room clerk	7311	maintenance mechanic, compressed gas plant
1214	mail room supervisor	7318	maintenance mechanic, elevators
7514	mail service courier	7311	maintenance mechanic, factory
1525	mail service dispatcher	7311	maintenance mechanic, industrial machinery
1511	mail sorter	7311	maintenance mechanic, industrial plant
1511	mail tracing clerk	7311	maintenance mechanic, mill
1511	mailer	7311	maintenance mechanic, oil tools
1452	mailing list compiler	7311	maintenance mechanic, plant machinery
1511	mailing machine operator	7311	maintenance mechanic, plant
7311	mail-processing equipment mechanic	7311	maintenance mechanic, production machinery
1511	mail-sorting system operator	7311	maintenance mechanic, production tooling
9417	main bearing borer - metal machining	7311	maintenance mechanic, steam plant
2174	mainframe systems programmer	7311	maintenance mechanic, treatment plants
8612	maintainer, grounds	7311	maintenance mechanic
7441	maintainer, mobile home		
7311	maintainer, oil-drilling rig		
7243	maintainer, voltage regulator - electrical power system		
7251	maintenance and repair plumber, (non-construction)		
7251	maintenance and repair plumber		

7301	maintenance mechanics foreman/woman, production machinery	2121	malariologist
7311	maintenance millwright	9461	malt dryer tender - food and beverage processing
7531	maintenance of way employee - railway	9461	malt roaster - food and beverage processing
7531	maintenance of way inspector - railway	9461	malthouse operator - food and beverage processing
0714	maintenance operations manager		malthouse worker
7294	maintenance painter, plant	7452	maltster - food and beverage processing
7294	maintenance painter	9461	mammalogist
7252	maintenance pipefitter	2121	mammalogy technician
0714	maintenance planner	2221	mammalogy technologist
7251	maintenance plumber	2221	mammography technician
7442	maintenance repairman/woman, gas mains	3215	mammography technologist
6552	maintenance service clerk	3215	man/woman, ventilation - underground mining
1525	maintenance services dispatcher	8411	management accountant
0714	maintenance services manager		management accounting chief
7233	maintenance sheet metal worker	1111	management analyst
0714	maintenance superintendent	1111	management consultant
7301	maintenance supervisor, aircraft - aircraft mechanical systems	1122	management consulting service manager
		1122	management information system (MIS) manager
7301	maintenance supervisor, aircraft mechanical systems	0125	management information systems consultant
		0213	management information systems (MIS) analyst
7301	maintenance supervisor, processing and packaging equipment	2171	management planning officer
7202	maintenance supervisor, telecommunication lines	2171	management seminar leader
0714	maintenance support services chief	1221	management services clerk - mail and postal services
2261	maintenance technician - non-destructive testing (NDT)	4021	management services division chief
		1511	management trainee - retail
7315	maintenance technician, aircraft	0114	management trainee, consumer credit manager - First Nations
7247	maintenance technician, cable television	0621	manager - marketing services
7442	maintenance utility worker	0122	manager - retail store chain
7237	maintenance welder	0012	manager assistant, art gallery
6733	maintenance worker, building	0124	manager engineering service, quality assurance
8612	maintenance worker, campground	0621	manager of accounting department
8612	maintenance worker, grounds	0511	manager of auditing department
8612	maintenance worker, parks	0211	manager of mining operations
7442	maintenance worker, water mains		manager trainee - retail
7442	maintenance worker, waterworks	0111	manager trainee, consumer credit services
7302	maintenance-of-way foreman/woman	0111	manager trainee, restaurant
6511	maître d'	0811	manager, academy of music
6511	maître d'hôtel	0621	manager, accommodation services
0423	major community projects co-ordinator	0122	manager, accounting firm
7332	major electric appliance repairer	0631	manager, accounting
7441	major electric household appliance installer	0651	manager, actuarial department
7441	major electrical appliance installer	0632	manager, administrative records
7332	major electrical appliance repairer	0125	manager, administrative services
7332	major electrical appliance servicer	0111	manager, administrative support services
0433	major general	0212	manager, advertising agency
0433	major	0114	manager, advertising
9474	maker, slides - photographic processing	0114	manager, agency marketing department
5226	make-up artist - motion pictures, broadcasting and performing arts	0114	manager, agricultural programs - government services
5226	make-up artist and hairdresser - performing arts	0124	
5226	make-up artist and wig maker	0124	
6561	make-up consultant	0412	
2221	malacology technician		

0731	manager, air freight	0912	manager, compressor station
0731	manager, airline express	0213	manager, computer and related services
0731	manager, airline	0213	manager, computer application development
0714	manager, airport services	0213	manager, computer applications
0714	manager, airport	0213	manager, computer facility
0212	manager, architectural service	0213	manager, computer legacy systems
0511	manager, archives	0213	manager, computer system operations
0714	manager, arena	0213	manager, computer systems development
0511	manager, art gallery	0213	manager, computer systems
0423	manager, association	0213	manager, computerized information systems
1123	manager, athletes	0714	manager, conference centre
0714	manager, athletic facility	0651	manager, cooking school
0111	manager, auditing department	0512	manager, copyright and royalties
0125	manager, auditing firm	0122	manager, corporate accounts - banking, credit and investment
0651	manager, automobile driver training school		manager, corporate banking centre
0651	manager, automobile driving school	0122	manager, corporate budgeting and analysis
0421	manager, aviation school	0111	manager, corporate financing
0122	manager, bank	0111	manager, corporate policy - education
0122	manager, banking operations	0413	manager, corporate risk department
0651	manager, barber shop	0111	manager, corporate sales
0651	manager, beauty shop	0601	manager, corporate services - banking, credit and investment
0632	manager, bed and breakfast	0122	manager, corporate traffic - transportation
0112	manager, benefits	0731	manager, corporate transportation
0632	manager, boarding house	0731	manager, corporate trust services
0512	manager, book publishing	0122	manager, correspondence and public inquiries
0714	manager, building maintenance	0124	manager, counselling services
0714	manager, building operations		manager, courier service
0714	manager, building services	0423	manager, court services
0114	manager, buildings, vehicles and supplies	0132	manager, credit and collection
0731	manager, bus company	1227	manager, credit card centre
0421	manager, business school	0122	manager, credit union
0631	manager, café	0122	manager, crematorium
0632	manager, camp	0651	manager, current schedule planning - airline
0124	manager, campaign	0731	manager, custom tailoring shop
0632	manager, campground	0621	manager, cybercafé
0714	manager, campus maintenance	0631	manager, dance school
0651	manager, car wash	0651	manager, data centre
0651	manager, carpet cleaning service	0213	manager, data processing and systems analysis
0731	manager, cartage company	0213	manager, data processing planning
0631	manager, catering service	0213	manager, data processing
0212	manager, chemical research division	2172	manager, database
0411	manager, child welfare services - government services	0621	manager, department store
		0125	manager, detective agency
0124	manager, circulation	0112	manager, disability management program
0211	manager, civil engineering division	0911	manager, distillery
0651	manager, cold storage	0731	manager, distribution - logistics
0132	manager, collection and delivery operations - postal service	0731	manager, distribution and warehousing
		0714	manager, distribution centre
0122	manager, collection centre	0731	manager, distribution services
0111	manager, collection	0912	manager, distribution, refined petroleum products
0132	manager, commercial development - postal and courier services		manager, district - employment insurance
		0411	manager, dog kennel
0124	manager, communications	0651	
0423	manager, community centre		
0411	manager, community rehabilitation - government services		
0112	manager, compensation		

0811	manager, drilling operations	0631	manager, food and beverage service
0651	manager, driving school	0411	manager, food safety programs - government services
0651	manager, dry cleaning plant		manager, food services
0651	manager, dry cleaning service	0631	manager, forestry and logging
0131	manager, earth station - telecommunications	0811	manager, forestry operations
0124	manager, e-business	0412	manager, forestry programs - government services
0212	manager, ecological research		manager, freight division
0212	manager, ecology	0731	manager, freight traffic
0124	manager, e-commerce	0731	manager, fundraising campaign
0213	manager, EDP (electronic data processing)	0124	manager, fur cleaning plant
0413	manager, education policy development	0651	manager, gas field operations
0413	manager, education policy	0811	manager, gas supply operations
0413	manager, education program administration	0912	manager, goods and services tax
0124	manager, election campaign	0412	manager, grain elevator
0912	manager, electric generating plant	6221	manager, grain market analysis - government services
0912	manager, electric generating station	0412	manager, greenhouse
0912	manager, electric power plant		manager, group home
0912	manager, electric power services	0822	manager, hairdressing salon
0211	manager, electrical engineering service	0423	manager, hairstyling salon
0213	manager, electronic data processing (EDP)	0651	manager, halfway house
0112	manager, employee benefits	0651	manager, health and welfare - government services
0112	manager, employer-employee relations	0423	manager, health club
0125	manager, employment agency	0411	manager, health program operations - government services
0112	manager, employment equity - human resources		manager, health strategies - government services
0125	manager, employment office	0513	
0112	manager, employment	0411	manager, holidays service
0211	manager, engineering department		manager, home care service
0211	manager, engineering service group	0411	manager, hotel food and beverage service
0211	manager, engineering service quality control		manager, hotel front desk
0211	manager, engineering service	0651	manager, hotel front office
0211	manager, engineering	0632	manager, hotel
0212	manager, environmental science	0632	manager, human resources planning
0651	manager, escort agency	0632	manager, human resources
0651	manager, esthetic services	0632	manager, immigration appeals - government services
0412	manager, export programs - government services	0632	manager, import traffic
0601	manager, export sales	0112	manager, industrial construction
0731	manager, export traffic	0112	manager, industrial engineering department
0714	manager, facility maintenance	0411	manager, industrial relations
0821	manager, farm		manager, in-flight service
0601	manager, field sales	0731	manager, information and communications
0512	manager, film production	0711	manager, information service
0111	manager, finance	0211	manager, information systems
0111	manager, financial control	0112	manager, information technology (IT) implementation
0111	manager, financial planning and analysis	6522	manager, information technology (IT) integration
0111	manager, financial planning and reporting	0124	manager, inn
0823	manager, fish culture	0124	manager, insurance sales
0823	manager, fish farm	0213	manager, integrated logistics
0823	manager, fish hatchery	0213	manager, internal audit services
0412	manager, fishery programs - government services		manager, internal audits
0811	manager, fishing operations	0213	
0513	manager, fitness centre	0632	
0513	manager, fitness club	0121	
0714	manager, fitness facility	0731	
0911	manager, flour mill	0111	
		0111	

0122	manager, international banking	0811	manager, mine
0731	manager, international traffic	0125	manager, mineral land and contracts
0631	manager, Internet café	0213	manager, MIS (management information system)
0213	manager, IT (information technology) implementation	0651	manager, modelling school
0213	manager, IT (information technology) integration	0121	manager, mortgage brokers
0651	manager, janitorial services	0122	manager, mortgages
0112	manager, job evaluation and salary research	0731	manager, motor transport
0651	manager, kennel	0651	manager, movie theatre
0423	manager, labour organization	0731	manager, moving company
0112	manager, labour relations	0512	manager, multimedia department
0212	manager, landscape architecture	0412	manager, municipal taxation
0421	manager, language school	0651	manager, music academy
0651	manager, laundry and dry cleaning	0651	manager, music school
0651	manager, laundry service	0423	manager, Native centre
0121	manager, leasing - real estate	0212	manager, natural sciences program
0125	manager, legal firm	0213	manager, network design
0513	manager, leisure programs	0131	manager, network installation - telecommunications
0513	manager, leisure service	0131	manager, networks - telecommunications
0513	manager, leisure	0512	manager, news department
0121	manager, liability trading	0512	manager, newspaper
0212	manager, life sciences program	0423	manager, NGO (non-governmental organization)
0912	manager, liquid waste facility	0423	manager, non-governmental organization (NGO)
0212	manager, livestock development	0822	manager, nursery
0212	manager, livestock production programs	0311	manager, nursing care - medical services
0212	manager, livestock program development	0125	manager, nursing registry
0122	manager, loans	0311	manager, nursing services - medical services
0632	manager, lodging house	0112	manager, occupational health and safety
0811	manager, logging production	0731	manager, ocean freight
0731	manager, logistics - transportation	0112	manager, official languages
0132	manager, mail operations	0811	manager, oil well drilling
0132	manager, mail processing plant	0811	manager, oil well servicing
0714	manager, maintenance and service	0122	manager, operations - banking, credit and investment
0714	manager, maintenance	0911	manager, operations - manufacturing
0125	manager, management consulting service	0601	manager, package tour sales
0213	manager, management information system (MIS)	0911	manager, paper mill
0423	manager, manufacturers' association	0132	manager, parcel processing plant
0911	manager, manufacturing company	0114	manager, patient registration
0911	manager, manufacturing industry	0112	manager, pay and benefits
0911	manager, manufacturing	0125	manager, payroll service
0714	manager, marina	0811	manager, peat bog
0125	manager, market research service	0111	manager, pension services
0124	manager, marketing	0112	manager, pensions and benefits
0651	manager, massage parlour	0122	manager, personal services - banking, credit and investment
0212	manager, mathematical services	0122	manager, personal trust
0212	manager, mathematics program	0112	manager, personnel administration
0211	manager, mechanical engineering service	0125	manager, personnel agency
0124	manager, media advertising	0125	manager, personnel consulting service
0124	manager, media relations	0112	manager, personnel services
0114	manager, medical records	0112	manager, personnel training and development
0423	manager, men's hostel	0112	manager, personnel
0132	manager, messenger service		
0911	manager, metalworks fabrication		
0125	manager, methods and procedures		
0911	manager, mill		

0651	manager, pest control service	0132	manager, regional services - postal and courier services
0651	manager, pet care services		
0651	manager, pet grooming establishment	0412	manager, regional taxation
0212	manager, petroleum geology department	0632	manager, reservations
0121	manager, petroleum research - securities	0651	manager, residential cleaning service
0621	manager, pharmacy department - retail	0632	manager, resort
0621	manager, photographic studio	0631	manager, restaurant
0212	manager, physical sciences program	0621	manager, retail sales
0711	manager, pipeline construction	0412	manager, revenue programs - government services
0125	manager, placement agency		
0125	manager, placement office	0212	manager, rural development program
0714	manager, plant maintenance	0212	manager, rural development
0132	manager, plant operations - postal service	0112	manager, salary research and administration
0911	manager, plant	0124	manager, sales and advertising
0132	manager, post office	0601	manager, sales and distribution
0132	manager, postal area	0124	manager, sales and marketing
0132	manager, postal zone facilities	0124	manager, sales and publicity
0132	manager, postal zone	0601	manager, sales planning
0911	manager, printing	0124	manager, sales promotion
0125	manager, private investigation and security service	0912	manager, sanitary sewer service
		0651	manager, sauna
0113	manager, procurement	0413	manager, school board services
0811	manager, production - coal mining	0714	manager, school maintenance
0132	manager, production control - postal service	0651	manager, school of art
0211	manager, production engineering	0421	manager, school of technology
0911	manager, production operations	0212	manager, scientific research department
0513	manager, professional athletes team	0212	manager, scientific research
0513	manager, professional football team	0632	manager, seasonal resort
0513	manager, professional hockey team	0121	manager, securities and investment
0513	manager, professional sport team	0114	manager, security department
0513	manager, professional track and field team	0125	manager, security service
0124	manager, promotions	0114	manager, security
0124	manager, public relations	0651	manager, septic tank service
0912	manager, public utilities	0912	manager, sewage disposal
0124	manager, publicity	0912	manager, sewage plant
0512	manager, publishing	0912	manager, sewage treatment plant
0113	manager, purchasing contracts	0731	manager, ship line
0212	manager, quality control - pharmaceutical products	0731	manager, shipping services
		0651	manager, shoe repair service
0911	manager, quality-control services	0714	manager, shopping centre maintenance
0811	manager, quarry	0714	manager, shopping centre
0512	manager, radio programming	0714	manager, shopping mall maintenance
0512	manager, radio station	0714	manager, shopping mall
0731	manager, rail transport	0411	manager, social services planning - government services
0911	manager, railway rolling stock production		
0811	manager, raw materials production	0213	manager, software engineering
0121	manager, real estate office	0131	manager, space programs - telecommunications
0121	manager, real estate sales		
0412	manager, realty taxation	0714	manager, sports facility
0714	manager, recreation facility	0714	manager, stadium
0513	manager, recreation programs	0112	manager, staff relations
0513	manager, recreation service	0112	manager, staff training and development
0513	manager, recreation	0212	manager, statistical service
0632	manager, recreational campground	0911	manager, steel mill
0112	manager, recruiting	0632	manager, student residence
0412	manager, regional economic services - government services	0114	manager, support services
		0125	manager, surface land administration

0411	manager, survey research - government services	0912	manager, waterworks
0125	manager, survey research service	0651	manager, weight-loss clinic
0651	manager, swimming pool maintenance service	0621	manager, wholesale establishment
0213	manager, systems - computer systems	0651	manager, window washing service
0213	manager, systems development - computer systems	0423	manager, women's centre
0651	manager, tanning salon	0811	manager, woodlands
0412	manager, tax policy research - government services	0632	manager, youth hostel
0412	manager, taxation	5252	manager-coach, baseball
0513	manager, team of professional athletes	6512	managing bartender
0421	manager, technical school	0121	managing director, insurance
0211	manager, telecommunications engineering service	0121	managing director, real estate sales
0131	manager, telecommunications services	0114	managing director
0512	manager, television station	0512	managing editor - newspaper or periodical
0714	manager, tennis court	0512	managing editor
0911	manager, textile mill	3231	managing optician
0911	manager, textile spinning mill	0621	managing supervisor - retail
0911	manager, textile spinning plant	1224	managing supervisor, building
0512	manager, theatre company	0621	managing supervisor, customer service
0911	manager, tire plant	0311	managing supervisor, dental laboratory
0714	manager, tobacco warehouse	0631	managing supervisor, dining establishment
0911	manager, tool production department	0513	managing supervisor, leisure establishment
0412	manager, tourism development - government services	0121	managing supervisor, real estate agents
0412	manager, tourism research - government services	0513	managing supervisor, recreation establishment
0601	manager, trade expansion	0621	managing supervisor, wholesale establishment
0421	manager, trade school	5244	mandolin maker
0121	manager, trading floor	9423	mandrel builder - rubber products
0731	manager, traffic - transportation	9441	manufacturing
0211	manager, traffic engineering service - telecommunications	6562	mangler tender - textile manufacturing
0112	manager, training and development	9411	manicurist
0731	manager, transfer company	9416	manipulator machine operator - primary metal processing
0912	manager, transmission lines	5223	manipulator operator - metal forging
0731	manager, transport department	9537	mannequin artist
0731	manager, transportation and traffic	9422	mannequin assembler
0412	manager, transportation programs - government services	9537	mannequin moulder - plastic manufacturing
0731	manager, transportation	3237	mannequin wig maker
0731	manager, travel and relocation department	7621	manual arts therapist
0651	manager, truck wash	7621	manual cleaner, sewer pipes
0122	manager, trust company	7621	manual cleaner, sidewalks
0121	manager, underwriting department	1423	manual compositor
0714	manager, university maintenance	7611	manual concrete vibrator operator
0632	manager, university residence	9412	manual moulder
0731	manager, urban transit system	7621	manual sewer pipe cleaner
0512	manager, video production company	7621	manual sidewalk cleaner
0423	manager, vocational rehabilitation unit	7621	manual street cleaner
0112	manager, wage and salary administration	7621	manual street sweeper
0714	manager, warehouse	5121	manual writer
0714	manager, warehousing	9533	manufactured home assembler
0731	manager, water transport	9533	manufactured housing production worker
		6411	manufacturer's agent - wholesale (non-technical)
		4163	manufacturers' association analyst
		0423	manufacturers' association manager
		6411	manufacturer's representative - wholesale (non-technical)

6221	manufacturer's sales representative	9461	margarine clarifier - food and beverage processing
1111	manufacturing accountant		
0016	manufacturing company chief executive officer	9461	margarine processor
		1434	margin calculation clerk - financial sector
0911	manufacturing company manager	6621	marina attendant
2233	manufacturing cost estimator	0714	marina manager
2141	manufacturing engineer	0714	marina operator
0911	manufacturing industry manager	6621	marina worker
9535	manufacturing inspector, plastic products	1313	marine and aircraft underwriter - insurance
7301	manufacturing machinery assembly foreman/woman	2221	marine biological technician
		2121	marine biologist
7316	manufacturing machinery fitter	2221	marine biology technician
0911	manufacturing manager	2221	marine biology technologist
0911	manufacturing operations manager	7234	marine boilermaker
9523	manufacturing operator - electronic equipment manufacturing	2262	marine cargo surveyor
		1312	marine claims adjuster - insurance
1523	manufacturing order clerk	9535	marine craft plastic panelling assembler
1215	manufacturing orders clerks supervisor	2221	marine culture technologist
9536	manufacturing painter	2262	marine damage surveyor
0911	manufacturing plant manager	2253	marine drafting supervisor
0911	manufacturing plant superintendent	2253	marine draftsman, electrical
0212	manufacturing research director	7612	marine electrician helper
2233	manufacturing technician - industrial engineering	7242	marine electrician
		7202	marine electricians foreman/woman
2233	manufacturing technician	7311	marine engine mechanic apprentice
2233	manufacturing technologist	7311	marine engine mechanic
5122	manuscript editor	7532	marine engine oiler
1452	manuscript proofreader	9526	marine engine quality-control assembly inspector
1411	map clerk		
2255	map draftsman/woman	2274	marine engineer officer - water transport
2255	map editor	2274	marine engineer officer, Coast Guard vessel
8252	maple products foreman/woman - agriculture	2274	marine engineer officer, offshore drilling rig
8431	maple syrup maker	2274	marine engineer officer
0821	maple syrup producer	2274	marine engineer officer-cadet - except armed forces
8431	maple tapping worker		
2131	mapping engineer	2274	marine engineer, chief - water transport
2271	mapping pilot	2148	marine engineer
2255	mapping technician	7532	marine engineering mechanic
9461	maraschino cherry processor - food and beverage processing	2232	marine engineering technician, mechanical
		7532	marine engineering technician
7205	marble and terrazzo contractor-setter	2232	marine engineering technologist
7205	marble and terrazzo setter-contractor	7242	marine equipment electrician
7205	marble and terrazzo setting contractor	2221	marine farming technologist
9414	marble carver - concrete, clay and stone forming	2113	marine geologist
		2113	marine geophysicist
9414	marble cutter	2212	marine geoscience technologist
7283	marble layer	2121	marine hydrobiologist
7283	marble mason	1312	marine insurance adjuster
7283	marble mechanic	2121	marine mammal trainer
9414	marble polisher, hand	2132	marine mechanical engineer
9414	marble polisher, machine - stone products	7532	marine oiler
7611	marble setter helper	0731	marine operations manager
7283	marble setter	0731	marine operations superintendent
7205	marble setters foreman/woman	7203	marine pipe fitters foreman/woman
7205	marble setting foreman/woman	7252	marine pipefitter
7283	marble tilesetter	8613	marine plant gatherer
9461	margarine blender	7251	marine plumber

7521	marine railway operator	4021	marketing teacher - college level
7384	marine repair technician	0016	marketing vice-president - airline
2274	marine second engineer - water transport	0013	marketing vice-president - clerical staff services
2274	marine senior engineer - water transport		
7301	marine service foreman/woman - engine repair	0013	marketing vice-president - financial, communications and other business services
7252	marine steamfitter	0016	marketing vice-president - goods production, utilities, transportation and construction
7235	marine steel fitter		
0731	marine superintendent	0015	marketing vice-president - grocery store chain
2262	marine surveyor		
2148	marine systems engineer	0014	marketing vice-president - health, education, social and community services and membership organizations
2275	marine traffic controller		
2275	marine traffic regulator		
0731	marine transportation operations manager	0015	marketing vice-president - trade, broadcasting and other services
1313	marine underwriter - insurance		
7242	marine wireman/woman	1423	markup person - typesetting
5232	marionette handler	1423	markup person
4153	marital counsellor	9532	marquetry worker - furniture manufacturing
5136	maritime art painter	4153	marriage and family therapist (MFT)
6741	marker - laundry and dry cleaning	4153	marriage and family therapist
4012	marker - post-secondary teaching assistance	4153	marriage consultant
9611	marker - primary metal processing	4153	marriage counsellor
9445	marker and cutter, upholstery	4153	marriage therapist (MT)
9619	marker, cartons	4153	marriage therapist
9619	marker, crates	9461	marshmallow maker
6344	marker, diamonds	5254	martial arts instructor
9436	marker, lumber	9461	marzipan maker
3414	marker, ophthalmic lenses	5232	mascot
9619	marker, pockets - garment manufacturing	9461	mash dryer - food and beverage processing
9619	marker, products	9461	mash operator - food and beverage processing
9619	marker, shoe parts		
9414	marker, stone layouts	9465	mashgiach - food and beverage processing
4163	market analyst - non-financial	9619	masker
0412	market development director	7281	mason, brick and stone
0124	market development manager	7282	mason, cement
8431	market garden worker	7282	mason, concrete
0821	market gardener	7283	mason, marble
4163	market research analyst	7281	mason, refractory
0125	market research service manager	2264	masonry inspector
4163	market research specialist	7611	masonry pointer and caulker
4163	market researcher	7281	masonry silo erector
4163	marketing analysis specialist	7611	mason's helper
4163	marketing analyst - non-financial	2211	mass spectrometer technician
4163	marketing analyst	2211	mass spectrometer technologist
1123	marketing consultant - advertising	2211	mass spectrometry technician
4163	marketing consultant - market research	2153	mass transit services analyst
4163	marketing consultant - wholesale	0651	massage parlour manager
1123	marketing co-ordinator	3236	massage therapist (MT)
0124	marketing director	6564	massager
0124	marketing division director, sales agency	6564	masseur/masseuse
0124	marketing executive	3236	masso kinesitherapist
0124	marketing manager - online marketing	3236	massotherapist
0124	marketing manager	2273	master - inland waters
4163	marketing project officer	2273	master - minor waters
4163	marketing research specialist	2273	master - water transport
4163	marketing researcher	6321	master chef
1123	marketing specialist - advertising	2281	master console operator, computer

5224	master control room (MCR) equipment operator - broadcasting	9226	material-handling equipment assembly foreman/woman
5224	master control room (MCR) technician - broadcasting	6221	material-handling equipment salesperson
4313	master corporal	8411	materialman/woman - underground mining
2211	master dyer - textiles	2131	materials and testing engineer, civil
5244	master glass blower	1225	materials co-ordinator
5244	master glassmaker	2142	materials engineer
6563	master groomer, pets	2115	materials engineering scientist
7231	master machinist	2233	materials handling technician
2273	master mariner	2115	materials scientist
7311	master mechanic, mining equipment	2231	materials testing technician
5231	master of ceremonies (MC)	2231	materials testing technologist
9232	master operator - chemical processing	1225	materiel management officer
9445	master pattern cutter	2111	mathematical biophysicist
5225	master record cutter	4162	mathematical economist
4313	master seaman	0212	mathematical services manager
6342	master tailor	2161	mathematical statistician
4313	master warrant officer	2161	mathematician, research
5132	master, chorus	2161	mathematician
2273	master, dredge	4166	mathematics co-ordinator - education
2273	master, ferryboat	0212	mathematics department director
8261	master, fishing vessel	4011	mathematics professor - university
2273	master, hovercraft	0212	mathematics program manager
5254	master, riding	4021	mathematics teacher - college level
2273	master, self-propelled drilling rig	4031	mathematics teacher - secondary school
2273	master, ship	4422	matron - correctional service
9421	match head maker	9214	matting inspection foreman/woman - rubber manufacturing
9537	match inspector	9214	matting inspection supervisor - rubber
9435	matchbook comb-cutting machine tender		products manufacturing
9435	matchbook folding-stapling machine tender	9532	mattress assembler - furniture manufacturing
9537	matchbook inspector	9532	mattress inspector
9534	matcher - furniture finishing and refinishing	9532	mattress maker
9533	matcher and assembler, wooden barrel headings	9224	mattress manufacturing foreman/woman
		9532	mattress manufacturing inspector
2273	mate - water transport	9442	mattress sewing machine operator
8261	mate, fishing vessel	0011	mayor
2273	mate, home trade	5231	MC (master of ceremonies)
2273	mate, inland navigation	5224	MCR (master control room) equipment operator
2273	mate, merchant navy		
2273	mate, self-propelled drilling rig	5224	MCR (master control room) technician - broadcasting
2273	mate, ship		
0113	material and services purchasing manager	3112	MD (doctor of medicine)
1523	material checker	6711	meal attendant, hospital
1215	material clerks supervisor	4212	meals-on-wheels worker
1215	material control co-ordinator	7611	measurer
0114	material control manager	2231	measures technician
1523	material co-ordinator	9441	measuring machine tender - hide and pelt processing
1523	material estimator		
7452	material handler - manufacturing and warehousing	9462	meat boner
		6222	meat buyer
7452	material handler	9461	meat canner
7311	material handling equipment mechanic	6321	meat chef
1522	material keeper	9461	meat chopper - food and beverage processing
0113	material manager		
9446	material mender	9462	meat chopper - meat packing plant
1225	material purchasing officer	6421	meat clerk, supermarket

9461	meat cook - food and beverage processing	7315	mechanic, aircraft engine repair and overhaul
6421	meat counter clerk		
9461	meat curer	7315	mechanic, aircraft engines
9462	meat cutter - meat packing plant	7315	mechanic, aircraft mechanical systems
6331	meat cutter - retail or wholesale	7315	mechanic, aircraft
6622	meat cutter helper - supermarket	7315	mechanic, airframes
9213	meat cutting plant foreman/woman	7321	mechanic, automobile
6622	meat department assistant - supermarket	7312	mechanic, backhoe
0621	meat department manager - food store	7311	mechanic, bakery machinery
0621	meat department manager - retail	7445	mechanic, bicycles
6211	meat department supervisor	7321	mechanic, bus
9462	meat dresser - meat packing plant	7311	mechanic, canal equipment
9617	meat dryer	7321	mechanic, car
9465	meat grader	7313	mechanic, central air conditioning
9461	meat grinder - food and beverage processing	7311	mechanic, chemical process equipment
2222	meat hygiene inspector	7333	mechanic, circuit breaker
2222	meat inspection supervisor	7313	mechanic, commercial air conditioning
2222	meat inspector	7311	mechanic, concentrating plant
9617	meat loaf trimmer	7312	mechanic, construction equipment
0621	meat manager - food store	3221	mechanic, dentures
9461	meat mincer - food and beverage processing	7311	mechanic, derricks
9461	meat mincer - packaging	7445	mechanic, domestic sewing machine
9461	meat mixer	7312	mechanic, earthmoving equipment
9617	meat mould sealer	7333	mechanic, electric motors
9617	meat mould stripper	7318	mechanic, elevator
9461	meat moulder - food and beverage processing	7312	mechanic, excavating equipment
		7312	mechanic, farm equipment
9617	meat packager	7312	mechanic, farm machinery
9617	meat packer - food and beverage processing	7312	mechanic, farm tractors
9213	meat packing supervisor	7253	mechanic, gas pipes
9461	meat pickler	7315	mechanic, gas turbine engines
9462	meat portion cutter - meat packing plant	7335	mechanic, gasoline-powered lawn mowers
6331	meat portion cutter - retail or wholesale	7335	mechanic, gas-powered small engines
9617	meat press tender	7311	mechanic, gum-wrapping machines
9462	meat roll tier - food and beverage processing	7313	mechanic, heating and air conditioning
9461	meat salter	7313	mechanic, heating and cooling
9462	meat sawyer - meat packing plant	7312	mechanic, heavy diesel engines
9462	meat tenderizer - food and beverage processing	7312	mechanic, heavy equipment - diesel engine
		7312	mechanic, heavy equipment
9462	meat trimmer - meat packing plant	7313	mechanic, HVAC (heating, ventilation and air conditioning)
9462	meat trimmer		
9617	meat vacuum wrapper	7334	mechanic, inboard-outboard motors
9617	meat washer	7311	mechanic, industrial hoists
6622	meat wrapper - grocery store	2243	mechanic, industrial instrument
9617	meat wrapper	7311	mechanic, industrial
6321	meat, poultry and fish chef	7445	mechanic, juke boxes
9617	meat-packing plant labourer	7311	mechanic, knitting machines
9617	meat-rolling machine tender	7312	mechanic, locomotive
7321	mechanic - motor vehicle manufacturing	7311	mechanic, looms - textile manufacturing
7311	mechanic - utilities	7311	mechanic, maintenance
7612	mechanic helper, air conditioning	7283	mechanic, marble
7612	mechanic helper, heavy equipment	7311	mechanic, material handling equipment
7612	mechanic helper, utilities instruments	7311	mechanic, mine hoist machinery
7612	mechanic helper	7312	mechanic, mobile logging equipment
2244	mechanic, aircraft electrical systems	7312	mechanic, mobile mining equipment
2244	mechanic, aircraft electronic systems	7334	mechanic, motor boats
7315	mechanic, aircraft engine overhaul	7321	mechanic, motor vehicle

7311	mechanic, oil drill rig	2132	mechanical engineer
7311	mechanic, oil pump station	2232	mechanical engineering design technologist
3414	mechanic, optical lab - retail	2232	mechanical engineering development technologist
7311	mechanic, ore-processing equipment		
7334	mechanic, outboard motors	2232	mechanical engineering equipment designer
7311	mechanic, packaging machines	4011	mechanical engineering professor - university
7311	mechanic, plant equipment		
7311	mechanic, plastics-processing equipment	0211	mechanical engineering service manager
9521	mechanic, power plant installation - aircraft assembly	2232	mechanical engineering technician
		2232	mechanical engineering technologist
7315	mechanic, preflight	2232	mechanical equipment engineering assistant
7311	mechanic, printing machinery	7301	mechanical equipment repair inspection foreman/woman
7311	mechanic, processing plant		
7311	mechanic, production machinery	7301	mechanical equipment repair inspectors foreman/woman
7311	mechanic, production tooling		
7313	mechanic, refrigeration and air conditioning	2234	mechanical estimator - construction
7313	mechanic, refrigeration	7316	mechanical fitter
7312	mechanic, repairer	8241	mechanical harvester and forwarder operator
7311	mechanic, rigs	8241	mechanical harvester operator - logging
9522	mechanic, road tests - motor vehicle manufacturing	7371	mechanical hoist operator
		2132	mechanical hydraulic engineer
7291	mechanic, roofing	9522	mechanical inspector - motor vehicle manufacturing
7311	mechanic, rubberizing machines		
7445	mechanic, scales	7301	mechanical inspectors foreman/woman
7311	mechanic, sewage treatment plant	7311	mechanical maintainer, heavy water plant
7312	mechanic, sideboom	7311	mechanical maintainer, nuclear generating station
7335	mechanic, small engines and equipment		
7335	mechanic, small engines	2132	mechanical maintenance engineer
7311	mechanic, stationary farm equipment	7301	mechanical maintenance foreman/woman - utilities
7314	mechanic, streetcars		
7311	mechanic, textile machinery	7301	mechanical maintenance supervisor - manufacturing
7311	mechanic, textile machines		
7311	mechanic, tobacco-processing machines	7301	mechanical maintenance supervisor
7312	mechanic, tractor	2232	mechanical marine engineering technician
7321	mechanic, truck	7445	mechanical meter repairer
7311	mechanic, upgrading plant	2132	mechanical power engineer
7311	mechanic, utility plant maintenance	9416	mechanical press operator - metal products manufacturing
7445	mechanic, vending machines		
7311	mechanic, water filtration plant	9612	mechanical press operator helper - metal products manufacturing
7311	mechanic, welding machines		
9521	mechanic, wing marry-up - aircraft assembly	9526	mechanical pump assembler
9521	mechanic, wing tanks - aircraft assembly	9522	mechanical quality assurance inspector - motor vehicle manufacturing
7315	mechanical and fuel systems overhaul and repair mechanic, aircraft		
		7321	mechanical repairer, motor vehicle
9526	mechanical assembler	0714	mechanical services superintendent
7532	mechanical assistant - water transport	7522	mechanical sweeper operator - public works
7532	mechanical assistant, engine room - ships	7315	mechanical systems inspector, aircraft repair and overhaul
7532	mechanical assistant, ship's engine room		
2253	mechanical building draftsman	7531	mechanical tamper operator - railway
7303	mechanical composition foreman/woman - printing	2232	mechanical technologist
		4021	mechanical technology teacher - college level
2253	mechanical design draftsman		
2132	mechanical design engineer	9522	mechanical test technician - motor vehicle manufacturing
2253	mechanical draftsman		
2132	mechanical engineer, gas utilization	9619	mechanical tester, insulators
2132	mechanical engineer, marine	8241	mechanical tree processor and loader operator
2132	mechanical engineer, projects		

8241	mechanical tree processor operator - logging	3212	medical laboratory assistant
7321	mechanical upgrader - motor vehicle manufacturing	2241	medical laboratory equipment repairer
7612	mechanic-fitter helper	3212	medical laboratory helper
7311	mechanic-repairer, looms - textile manufacturing	3211	medical laboratory supervisor
7301	mechanics foreman/woman	3212	medical laboratory technical assistant
7612	mechanic's helper - automotive	3211	medical laboratory technical supervisor
2111	mechanics physicist	3212	medical laboratory technician
2121	mechanistic toxicologist	3211	medical laboratory technologist, anatomical pathology
2132	mechatronic engineer	3211	medical laboratory technologist
0124	media advertising manager	5111	medical librarian
1225	media buyer	3414	medical material handler
1123	media co-ordinator	3111	medical microbiologist
1225	media estimator	3112	medical missionary
1123	media events co-ordinator	1414	medical office assistant
1123	media relations co-ordinator	1414	medical office secretary-receptionist
0124	media relations director	3112	medical officer of health (MOH)
0124	media relations manager	0411	medical officer of health, city - government services
1123	media relations officer	3112	medical officer, civil aviation
1225	media time and space buyer	3111	medical oncologist
6411	media time sales representative	3111	medical oncology specialist
1251	media transcriber	3413	medical orderly
1251	media transcriptionist	3111	medical parasitologist
1121	mediator - labour relations	2121	medical parasitology biologist
1121	mediator	3111	medical pathologist
3234	medic, drilling rig	5221	medical photographer
1243	medical administrative assistant	2111	medical physicist
3413	medical aide	3111	medical physiologist
3234	medical assistant (paramedic)	3232	medical Qi gong practitioner
3413	medical attendant - patient transfer	3215	medical radiation technologist
3111	medical bacteriologist	3215	medical radiation technologists supervisor
3111	medical biochemist - physician	1414	medical receptionist
2112	medical biochemist	1411	medical records clerk
2111	medical biophysicist	0114	medical records department manager
3234	medical care technician, newborns	4021	medical records management program teacher
2112	medical chemist	0114	medical records manager
1312	medical claims assessor - insurance	1252	medical records supervisor
3414	medical clinic assistant	1252	medical records technician
0311	medical clinic director	1252	medical records technicians supervisor
1414	medical clinic receptionist	1252	medical records unit supervisor
1251	medical dictatypist	4011	medical sciences professor - university
0311	medical director	1243	medical secretary
3112	medical doctor	4152	medical social worker
5122	medical editor	4169	medical sociologist
2111	medical engineering biophysicist	3216	medical sonographer
6221	medical equipment and supplies salesperson	3216	medical sonographers supervisor
3111	medical examiner	3111	medical specialist
3111	medical geneticist	2161	medical statistician
3111	medical genetics specialist	1243	medical stenographer
5241	medical illustrator	1522	medical supply attendant
1222	medical information assistant	1522	medical supply clerk
3414	medical instrument sterilizer	3234	medical technician, drilling rig
2241	medical instruments repairer	3234	medical technician
6221	medical instruments sales agent	3211	medical technologist - medical laboratory
3012	medical intensive care nurse	3211	medical technologist
3212	medical laboratory aide		

3211	medical technologists supervisor	4212	mental health support worker
4021	medical technology teacher	4212	mental health worker
5125	medical terminologist	6564	mental telepathist
1251	medical transcriptionist	9441	mercerizer - textile manufacturing
5125	medical translator	9441	mercerizer machine operator - textile manufacturing
0014	medical vice-president - health services		
3234	medical warden, drilling rig	1212	merchandise clerks supervisor
5121	medical writer	6552	merchandise exchange clerk
2112	medicinal chemist	0113	merchandise purchasing director
4011	medicine professor - university	0113	merchandise purchasing manager
0311	medicine, chief of	6222	merchandise
6564	medium	9461	merchant miller - food and beverage processing
1226	meeting co-ordinator		
1226	meeting planner	2273	merchant navy mate
6562	mehndi tattoo artist	6235	merchant services specialist - financial
9611	melt shop helper	9421	mercury recoverer - chemical processing
9611	melt shop labourer	6722	merry-go-round operator
9412	melter - foundry	7237	mesh-welding machine operator
9231	melter - primary metal processing	6322	mess cook
9611	melter helper - primary metal and mineral products processing	6513	mess waiter/waitress
9461	melter tender - food and beverage processing	1513	message carrier
		1513	message deliverer
		0132	messenger service manager
9211	melting and roasting department supervisor	1511	messenger service representative
9211	melting and roasting foreman/woman - primary metal and mineral products processing	1214	messenger service supervisor
		1513	messenger, bank
		1513	messenger
9211	melting and roasting operations foreman/woman - primary metal and mineral products processing	1513	messenger-clerk
		7301	metal and woodworking machinery manufacturing foreman/woman
9211	melting-furnace and roasting-furnace foreman/woman - primary metal and mineral products processing	9411	metal annealing tender
		5244	metal arts worker
0011	Member of Legislative Assembly (MLA)	9418	metal awning machine operator
0011	Member of Parliament (MP)	9417	metal band saw operator
0011	Member of the House of Assembly (MHA)	9418	metal blade sharpener operator
0011	Member of the National Assembly (MNA)	9536	metal bluer
0011	Member of the Provincial Parliament (MPP)	9612	metal bluing cleaner - metal products manufacturing
6411	membership sales representative	7237	metal brazier and heater
0423	membership services manager	9612	metal buffer - metal products manufacturing
5243	memorial designer	9226	metal buffers foreman/woman
6421	memorial salesperson - retail	9226	metal buffing foreman/woman
9619	mender, garment - garment manufacturing	9532	metal cabinet assembler
9446	mender, garment - sewing	9418	metal cable machine operator
9446	mender, textile products	9418	metal cable maker operator
5245	men's and women's wear patternmaker	9418	metal cable maker
6421	men's clothing sales clerk	9418	metal cable stretcher and tester
6421	men's clothing salesperson - retail	9532	metal casket assembler
6341	men's hairdresser	9412	metal caster - foundry
0423	men's hostel manager	9412	metal caster
6421	men's wear sales clerk	9211	metal casters, moulders and coremakers foreman/woman
4153	mental health counsellor		
3012	mental health nurse	9612	metal casting finisher
4212	mental health proctor	9211	metal casting, moulding and coremaking foreman/woman
4165	mental health programs consultant		
0311	mental health residential care program manager	9532	metal chair assembler

9612	metal cleaner - metal products manufacturing	7201	metal mould and metal patternmakers foreman/woman
9612	metal cleaner, immersion - metal products manufacturing	7201	metal mould and metal patternmakers supervisor
9612	metal cleaner	7232	metal mould finisher
9536	metal coater operator	7232	metal mould maker
9536	metal coater	9418	metal nut former
9536	metal coating-equipment operator	9418	metal nut maker
9416	metal cut-off saw operator	9416	metal parts inspector
0621	metal dealer	7232	metal patternmaker apprentice
3223	metal dental technician	7232	metal patternmaker
9536	metal dipper	2111	metal physicist
9537	metal door frame assembler	9612	metal pickler operator helper
9536	metal electroplater	9418	metal pin maker
9536	metal electroplating inspector	9418	metal pipe cutter machine operator
5244	metal engraver	9418	metal pipe cutter operator
9411	metal extrusion press operator - primary metal processing	9418	metal pipe cutter, machine
9416	metal fabricating machine operator	9536	metal plater-polisher
9612	metal fabrication worker	9536	metal plating-equipment operator
7235	metal fabricator - structural metal and platework	9411	metal pointer operator - primary metal processing
7235	metal fabricator (fitter)	9612	metal polisher helper
7235	metal fabricator	9418	metal polisher, automatic machine
7441	metal fence erector	9411	metal pourer - metal processing
9612	metal filer, hand	9611	metal pourer helper - primary metal processing
7322	metal finish and touch-up repairer - motor vehicle manufacturing	9611	metal pourer helper
7322	metal finisher - motor vehicle manufacturing	9611	metal powder lubricator finisher
7201	metal fitters foreman/woman	9416	metal power saw operator
9418	metal floor lamp maker	7235	metal preparation lead hand - structural metal and platework
7611	metal form setter - construction	9415	metal processing inspector
9412	metal frame moulder - foundry	9536	metal product spray painter
7271	metal framer - carpentry	9537	metal products assembler
9532	metal furniture assembler	9226	metal products inspection and testing foreman/woman
9224	metal furniture assembly foreman/woman	9418	metal products manufacturing machine operator
9532	metal furniture inspector	6221	metal products salesperson
7233	metal furniture model maker	9411	metal reclaiming
7233	metal furniture patternmaker	7322	metal repairer - motor vehicle manufacturing
9534	metal furniture repairer	9231	metal roaster - primary metal processing
9411	metal hardener - primary metal processing	9211	metal rolling foreman/woman
9532	metal hardware installer - furniture manufacturing	7611	metal roofer helper - construction
9231	metal heater - primary metal processing	7291	metal roofer
9231	metal heater operator	9417	metal saw tooth grinder
9211	metal heat-treating foreman/woman - primary metal processing	9416	metal sawing machine operator
9611	metal impregnator - primary metal processing	7611	metal scaffold erector
7237	metal inert gas (MIG) welder	9418	metal screened door and window maker
7284	metal lather	7201	metal shapers foreman/woman
9532	metal locker assembler	7201	metal shipwright foreman/woman
9231	metal melter	7235	metal shipwright
9411	metal mixer - primary metal processing	9231	metal smelter
9411	metal mixer operator - primary metal processing	9211	metal smelting, converting and refining foreman/woman
		7237	metal solderer
		9416	metal spinner

9418	metal sponge machine tender	9418	metalworking weaver - metal products manufacturing
9418	metal sponge maker	2255	meteorological aide
9536	metal spray operator	2255	meteorological inspector
9536	metal sprayer	2255	meteorological technician
7237	metal straightener and heater	2114	meteorologist, air quality
9415	metal strength tester - primary metal processing	2114	meteorologist
7236	metal structure erector	4011	meteorology professor - university
9612	metal structure fitter helper	9537	meter assembler
9532	metal table assembler	2133	meter engineer
9416	metal table saw operator	7244	meter installer - electric power systems
9418	metal tack maker	7202	meter installers and repairers foreman/woman
9415	metal tensile strength tester - primary metal processing	1454	meter reader
7611	metal trim erector helper	1411	meter records clerk
9611	metal tube marker - primary metal processing	7445	meter repairer
7322	metal upgrader - motor vehicle manufacturing	7445	meter servicer
7236	metal wall framing installer	7301	meter shop foreman/woman
7237	metal welder	2241	metering technologist
0911	metal works fabrication manager	2161	methodologist, statistical
9418	metal-bonding equipment operator	1122	methods and cost analyst
9536	metal-dipping equipment operator	1122	methods and procedures analyst
9211	metal-extruding and metal-drawing foreman/woman	0125	methods and procedures manager
9612	metal-fabricating shop helper	2233	methods designer
9416	metal-forming machine set-up operator	2141	methods engineer
9416	metal-forming machine tender	0411	Métis development programs regional director - government services
9536	metal-leaf gilder	2241	metrics technologist
9536	metallizer	2111	metrologist
2115	metallographer	2133	metrology engineer
2212	metallurgical control analyst	2241	metrology technician
2142	metallurgical engineer	2241	metrology technologist
4011	metallurgical engineering professor - university	0011	metropolitan council chair
2212	metallurgical engineering technician	5133	mezzo-soprano
2212	metallurgical engineering technologist	0011	MHA (Member of the House of Assembly)
2212	metallurgical technologist	9523	mica capacitor assembler
2115	metallurgist	9411	mica crusher tender
4011	metallurgy professor - university	9411	mica plate tender
7201	metal-machining inspection foreman/woman	9411	mica press tender
5112	metals conservator	9211	mica processing foreman/woman
9537	metal-sheathed insulation former	9524	mica products maker
9416	metal-stamping press operator	9411	mica sheet laminator
9418	metal-twisting machine tender	9411	mica sheet salvager
7201	metalwork forming, shaping and installing contractor	9411	mica splitter
5244	metalworker, hand	9411	mica trimmer
9612	metalworking machine helper	2221	microbiological technician
9416	metalworking machine operator	3114	microbiologist, veterinary
9226	metalworking machine operators foreman/woman	2121	microbiologist
9416	metalworking machine setter	2221	microbiology quality control technologist
9416	metalworking machine set-up man/woman	2221	microbiology technician (except medical)
9416	metalworking machine set-up operator	3211	microbiology technologist - medical laboratory
7311	metalworking machinery mechanic	2221	microbiology technologist (except medical)
		9523	microcircuit assembler
		0412	microeconomic policy development director - government services

2132	micro-electro-mechanical systems (MEMS) research engineer	0911	mill superintendent
9523	microelectronic circuit fabricator	9421	mill tender - chemical processing
2133	microelectronics engineer	9414	mill tender - clay products
1253	microfilm camera operator	9423	mill tender - rubber products manufacturing
1253	microfilm mounter	9615	milled rubber cooler
1253	microfilm records searcher	9461	millers - food and beverage processing
1253	microfilmer	9418	millers, saw blades
2113	micropaleontologist	9434	millers, wood flour
2147	microprocessor designer and application engineer	6342	milliner
0131	microwave facilities manager - telecommunications	9217	millinery foreman/woman - fabric, fur and leather products manufacturing
2241	microwave maintenance technician	6342	millinery maker
2111	microwave physicist	9417	milling machine operator - metal machining
7202	microwave system foreman/woman	9411	milling machine operator - mineral and metal processing
2147	microwave systems engineer	9417	milling machine setter
2147	microwave transmission systems engineer	9417	milling machine set-up operator - metal machining
3124	midwife	9417	milling machine set-up operator
7237	MIG (metal inert gas) welder	9211	milling plant foreman/woman - primary metal and mineral products processing
4169	military historian	9214	millroom foreman/woman - rubber products manufacturing
1521	milk and cream receiver - food and beverage processing	9423	millroom operator - rubber products manufacturing
7514	milk deliverer	9214	millroom supervisor - rubber products manufacturing
9461	milk dryer - food and beverage processing	9414	millstone cutter - stone products
9465	milk grader	9533	millwork assembler - wood products manufacturing
2222	milk inspector	9533	millwork assembler
9461	milk pasteurizer - food and beverage processing	9227	millwork assemblers foreman/woman - wood products manufacturing
9617	milk powder grinder	9227	millwork assembly supervisor
9213	milk processing foreman/woman	7311	millwright apprentice
9213	milk processing plant foreman/woman	7301	millwright foreman/woman
8431	milk production labourer	7612	millwright helper
9465	milk receiver-tester	7311	millwright industrial
9617	milk sampler	7311	millwright, construction
6221	milking machine salesperson	7311	millwright
8431	milking machine tender	5135	mime
8252	milking services contractor	5232	mimic
7514	milkman/woman	9461	mincemeat maker
9461	milk-processing equipment operator - food and beverage processing	2212	mine analyst
7271	mill carpenter	8411	mine attendant
9613	mill charger - chemical processing	8221	mine captain
7242	mill electrician	7271	mine carpenter
9611	mill helper - primary metal and mineral products processing	8614	mine check weigher
9611	mill labourer - mineral products processing	2264	mine construction inspector
7311	mill maintenance mechanic	8411	mine construction worker
0911	mill manager, textile spinning	2143	mine design engineer
0911	mill manager	2143	mine development engineer
7612	mill mechanic helper	2212	mine development technologist
9423	mill operator - rubber processing	1525	mine dispatcher
9423	mill operator - rubber products manufacturing	2253	mine draftsperson
9612	mill roll grinder - metal products manufacturing	7242	mine electrician
9421	mill roll tester - chemical processing	2263	mine examiner

8221	mine foreman/woman	0811	mining operations director
2113	mine geologist	0811	mining operations manager
6531	mine guide	4021	mining rescue instructor
8614	mine helper - underground mining	0212	mining research director
8614	mine helper	7521	mining shovel operator (except underground)
7311	mine hoist industrial mechanic	2212	mining survey technician
7311	mine hoist machinery mechanic	2212	mining survey technologist
7311	mine hoist repairer	2212	mining technician
2264	mine inspector, construction	2212	mining technologist
8614	mine labourer	0011	minister - government
2143	mine layout engineer	4154	minister - religion
7312	mine locomotive repairman/woman	4154	minister
0811	mine manager	1222	ministerial assistant
7311	mine mechanic	9522	minivan assembler - motor vehicle manufacturing
8411	mine motorman/woman	8252	mink farm supervisor
2143	mine planning engineer	8252	mink ranch supervisor
2143	mine production engineer	9445	mink tail splitter - fur products manufacturing
2212	mine production technician	9411	mint precious metal refiner - primary metal processing
2143	mine safety engineer	9532	mirror and picture frame assembler
2263	mine safety inspector	9532	mirror and picture frame maker
0811	mine superintendent	9537	mirror assembler
8221	mine supervisor	9537	mirror framer
2212	mine survey technician	9413	mirror maker
2212	mine survey technologist	9413	mirror silverer
8411	mine timberman/woman	9227	mirror silvering foreman/woman
2143	mine ventilation engineer	7292	mirror wall installer
8411	miner helper - raise mining	9413	mirror-silvering equipment operator
8614	miner helper - underground mining	0213	MIS (management information system) manager
8231	miner	2171	MIS (management information systems) analyst
2143	mineral dressing engineer	2171	MIS (management information systems) consultant
2143	mineral engineer	2244	missile electronics inspector
0125	mineral land administration manager	3112	missionary doctor
1225	mineral land contracts analyst	3012	missionary nurse
9415	mineral sampler - mineral products processing	4217	missionary
2212	mineral technician	9437	mitre saw tender - woodworking
2212	mineral technologist	0821	mixed farmer
4021	mineral technology teacher - college of applied arts and technology	9421	mixer - chemical processing
2113	mineralogist	9414	mixer - concrete, clay and stone products
2212	mineralogy technician	9461	mixer - tobacco processing
2212	mineralogy technologist	9414	mixer and extruder, modelling clay
2143	mines exploration engineer	9414	mixer caster, concrete
9461	mingler tender	9611	mixer helper - primary metal and mineral products processing
2174	minicomputer systems programmer	9421	mixer helper, wallpaper colours
6722	mini-golf attendant	9414	mixer operator - concrete products
2143	mining engineer	9423	mixer operator - rubber processing
2212	mining engineering technician	9423	mixer operator - rubber products manufacturing
2212	mining engineering technologist	9461	mixer operator, dry foods
7311	mining equipment master mechanic	9414	mixer operator, lime
6221	mining equipment sales engineer	9411	mixer operator, molten metal
6221	mining equipment sales representative		
2113	mining geologist		
4163	mining industry development consultant		
8231	mining machine operator		
7316	mining machinery fitter		
7311	mining machinery mechanic		

9422	mixer operator, solutions - plastic manufacturing	7441	mobile home equipment servicer
9421	mixer tender - chemical processing	7441	mobile home maintainer
9619	mixer tender, brush materials	7441	mobile home repairer
9414	mixer tender, lime	6421	mobile home salesperson - retail
9421	mixer, asphalt roofing materials	7441	mobile home servicer
9421	mixer, battery paste	7305	mobile inspector, transit
9474	mixer, chemicals - photographic processing	7612	mobile mechanic helper
9421	mixer, coating compounds - chemical processing	2274	mobile platform chief engineer - offshore drilling
9421	mixer, coatings - chemical processing	5224	mobile radio broadcasting supervisor
9421	mixer, dry explosives	7246	mobile radio installer - telecommunications
9414	mixer, dry plaster	7246	mobile radio installer
9414	mixer, dry products - stone products	7246	mobile radio technician - telecommunications
9421	mixer, explosives	7246	mobile radiotelephone installer
9423	mixer, foam rubber	9523	mobile transceiver inspector - electronic equipment manufacturing
7611	mixer, gunite - construction	8241	mobile whole tree chipper - logging
9414	mixer, mortar	7452	Mobilift operator
5225	mixer, music or sound	9446	moccasin sewer
9421	mixer, paints - chemical processing	7384	model and mock-up maker - aeronautics
9414	mixer, refractory mortar	7384	model and mock-up maker
9414	mixer, slate	7384	model and mould maker - concrete products
9421	mixer, soda solutions	7232	model maker - tool and die
9421	mixer, viscose	7384	model maker, aircraft
9232	mixer, wet explosives	6344	model maker, jewellery
9414	mixer-caster, concrete	9414	model maker, pottery
9434	mixer-dryer tender, wood particles	7233	model maker, sheet metal
9423	mixing and grinding machine tender - rubber products manufacturing	7384	model maker, ships
9211	mixing and separating operations foreman/woman - primary metal and mineral products processing	7272	model maker, wood
9414	mixing machine tender, plasterboard	7384	model maker
9432	mixing operator - pulp and paper	5212	model maker-preparator
9211	mixing plant foreman/woman - primary metal and mineral products processing	5232	model
9214	mixing supervisor - rubber and plastic products manufacturing	4216	modelling and finishing school instructor
0011	MLA (Member of the Legislative Assembly)	9414	modelling clay mixer and extruder
0011	MNA (Member of the National Assembly)	0651	modelling school manager
5224	mobile broadcasting equipment installer	5231	moderator - broadcasting
5224	mobile broadcasting equipment operator	4154	moderator - religion
7514	mobile canteen driver	4021	modern languages teacher - college level
7305	mobile canteen service supervisor	4031	modern languages teacher - secondary school
7514	mobile caterer	4021	modern languages tutor - language school
7511	mobile cement mixer driver	7315	modification mechanic, aircraft mechanical systems
8241	mobile chipper operator - logging	5245	modifier and lay-out marker
7511	mobile concrete mixer driver	5245	modifier and marker
7371	mobile crane operator	9533	modular housing fabricator, wood
5231	mobile disc jockey	9461	module tender - tobacco processing
1525	mobile equipment dispatcher	3112	MOH (medical officer of health)
7612	mobile equipment repairer helper	4217	mohel
7312	mobile farm equipment mechanic	9465	moisture content tester - dairy products
7312	mobile farm machinery repairer	9465	moisture content tester - tobacco processing
9241	mobile generator operator	9461	molasses mixer - food and beverage processing
9226	mobile home assembly foreman/woman	9461	molasses wort processor
9226	mobile home assembly supervisor	7611	mole operator helper - construction
		7521	mole operator
		2121	molecular biologist

2111	molecular biophysicist	4217	mother superior/religious superior
2121	molecular geneticist	4411	mother's helper
2121	molecular physiologist	5222	motion picture camera operator
9611	molten metal mixer helper - primary metal processing	5131	motion picture director
9411	molten metal mixer operator	5227	motion picture examiner
9415	molten metal sampler - primary metal processing	5226	motion picture facilities supervisor
9411	molybdenum flotation operator	9474	motion picture film developer
9411	molybdenum leaching plant operator	9474	motion picture film examiner - photographic processing
9231	molybdenum roaster operator	9474	motion picture film printer
6611	money counter	5132	motion picture musical director
1112	money market analyst	5131	motion picture producer
1113	money market trader	5131	motion picture production director
1525	monitoring station operator	5227	motion picture projectionist
4217	monk	9522	motor and chassis inspector - motor vehicle manufacturing
9472	monochrome plate film stripper	9525	motor and control tester
7371	monorail crane operator	9524	motor and generator assembler - electrical equipment manufacturing
1423	Monotype casting machine operator	9525	motor and generator assembler - industrial electrical equipment
1423	Monotype hot metal typesetter keyboard operator	9525	motor and generator assembler and wirer
1423	Monotype keyboard operator	9525	motor and generator inspector
9414	monument carver - stone products	9536	motor and generator subassemblies painter
9414	monument engraver - stone products	9525	motor and transformer tester
7611	monument erector	7334	motor boat mechanic
9415	monument inspector - mineral products processing	7533	motor boat operator
9414	monument letterer - stone products	7512	motor coach driver
7611	monument setter	7333	motor coil winder-repairer
9414	monument stonemason - stone products	9525	motor control assembler - industrial electrical equipment
9537	mop assembler	9226	motor home assembly foreman/woman
9537	mop maker	9522	motor installer - motor vehicle manufacturing
4311	morality officer - police	9531	motor installer, boats
3212	morgue attendant supervisor	7533	motor launch operator
3414	morgue attendant	7321	motor mechanic - motor vehicle manufacturing
3414	morgue technician	7322	motor repair vehicle painter apprentice
9414	mortar mixer	7321	motor repairer - motor vehicle manufacturing
4313	mortarman/woman	7334	motor scooter repairer
0122	mortgage and consumer credit manager	7622	motor transport labourer
1242	mortgage and real estate legal assistant	0731	motor transport manager
4211	mortgage and real estate paralegal	2262	motor transportation inspector
0121	mortgage broker manager	2262	motor transportation regulations officer
1114	mortgage broker	6411	motor vehicle and equipment sales representative - wholesale (non-technical)
1434	mortgage clerk	9522	motor vehicle assembler - motor vehicle manufacturing
6235	mortgage consultant	9522	motor vehicle assembler
6235	mortgage loans consultant	9221	motor vehicle assembly co-ordinator
6235	mortgage loans officer	9221	motor vehicle assembly foreman/woman
0122	mortgage manager	9221	motor vehicle assembly general supervisor
6235	mortgage officer	0911	motor vehicle assembly plant manager
1114	mortgage underwriter	9221	motor vehicle assembly supervisor
6346	mortician	9221	motor vehicle assembly zone supervisor
9437	mortiser operator - woodworking	6742	motor vehicle attendant
9437	mortising machine operator - woodworking	7322	motor vehicle body finisher
7283	mosaic tilesetter		
6731	motel cleaner		
0632	motel manager		
6313	motel managing supervisor		

7322	motor vehicle body repairer - collision	7533	motorboat captain
7322	motor vehicle body repairer - metal and paint	7533	motorboat operator
7322	motor vehicle body repairer - refinishing	9525	motor-coil and generator-coil builder
7322	motor vehicle body repairer apprentice	9525	motor-coil and generator-coil installer - industrial electrical equipment
7612	motor vehicle body repairer helper		motorcycle driving instructor
7322	motor vehicle body repairer	4216	motorcycle mechanic apprentice
7301	motor vehicle body repairers foreman/woman	7334	motorcycle mechanic
7322	motor vehicle body repair-painter	7334	motorcycle mechanics foreman/woman
7322	motor vehicle body technician - truck	7301	motorcycle patrolman/woman - police
7322	motor vehicle body technician	4311	motorcycle repairer
1452	motor vehicle bureau clerk	7334	motorcycle repairman/woman
1312	motor vehicle claims adjuster - insurance	7334	motorcycle salesperson - retail
9417	motor vehicle cylinder grinder	6421	motorhand - offshore drilling
2262	motor vehicle defects investigator	8412	motorhand - oil and gas drilling
7321	motor vehicle diesel engine mechanic	8412	motorized mail courier
1525	motor vehicle dispatcher	7514	motorman/woman - mines
7301	motor vehicle engine repair foreman/woman	8411	motorman/woman - offshore drilling rig
7321	motor vehicle fuel conversion technician	7612	motorman/woman - oil and gas drilling
7321	motor vehicle fuel-systems and electric-systems mechanic	8412	motorman/woman - underground mining
		8411	motormen/women and dinkeymen/women foreman/woman (except rail transport)
9221	motor vehicle inspection and testing foreman/woman - motor vehicle manufacturing	8221	mould and core machinist
		7231	mould caster - foundry
2262	motor vehicle inspector	9412	mould cleaner - foundry
7232	motor vehicle jig builder	9612	mould cleaner - rubber and plastic products manufacturing
6742	motor vehicle jockey	9615	mould cleaner - rubber products manufacturing
6421	motor vehicle leasing representative - retail		mould design engineer
9524	motor vehicle lighting fixture assembler	9615	mould designer
9221	motor vehicle manufacturing foreman/woman		mould dresser - foundry
7612	motor vehicle mechanic helper	2132	mould filler - clay products
7321	motor vehicle mechanic	2232	mould filler - rubber and plastic products manufacturing
9522	motor vehicle mechanical equipment inspector - motor vehicle manufacturing	9612	mould filler-stripper - plastic manufacturing
7321	motor vehicle mechanical repairer	9612	mould finisher, foundry
7301	motor vehicle mechanics and repairers foreman/woman	9535	mould laminator - plastic manufacturing
7301	motor vehicle mechanics foreman/woman	9612	mould machine operator - rubber products manufacturing
7301	motor vehicle mechanics supervisor	9535	mould maker - plastics processing
7384	motor vehicle model maker	9423	mould maker apprentice
7531	motor vehicle operator - pole yard	7232	mould maker, metal
9536	motor vehicle painter - motor vehicle manufacturing	7232	mould preparer - rubber and plastic products manufacturing
7322	motor vehicle painter - motor vehicle repair	9615	mould setter - foundry
1522	motor vehicle parts clerk apprentice	9412	mould setter - rubber and plastic products manufacturing
1522	motor vehicle parts clerk	9615	mould setter, plastic
1522	motor vehicle partsperson		mould shop foreman/woman - machining
1523	motor vehicle repair shop co-ordinator	9422	mould stripper - concrete products manufacturing
0621	motor vehicle repair shop manager	7201	mould stripper - plastic manufacturing
7301	motor vehicle repair shop supervisor	9611	mould stripper, asbestos
6421	motor vehicle salesperson - retail		mould waxer - plastic manufacturing
7321	motor vehicle technician	9535	mould waxer - rubber and plastic products manufacturing
7321	motor vehicle transmission mechanic	9611	
9525	motor winder - industrial electrical equipment	9535	
9531	motorboat assembler	9615	
9531	motorboat assembly inspector		

9214	moulded footwear inspection supervisor - rubber and plastic products manufacturing	9535	moulder, upholstery - plastic manufacturing
9535	moulded plastic finisher	9412	moulding and coremaking machine setter - foundry
9535	moulded plastic inspector	9412	moulding and coremaking machine set-up man/woman - foundry
9535	moulded plastic inspector-tester	9437	moulding cutter - wood products manufacturing
9535	moulded plastic products trimmer	9211	moulding foreman/woman - foundry
9535	moulded products finisher - plastic products manufacturing	9214	moulding foreman/woman - rubber and plastic manufacturing
9535	moulded products stripper - plastic products manufacturing	9615	moulding machine offbearer - rubber products manufacturing
9615	moulded products stripper - rubber and plastic products manufacturing	9461	moulding machine operator - food and beverage processing
9215	moulded pulp products foreman/woman	9437	moulding machine operator - woodworking
9214	moulded rubber footwear foreman/woman	9422	moulding machine operator, injection - plastic manufacturing
9615	moulded rubber products trimmer	9537	moulding machine tender, soles - footwear manufacturing
9421	moulder - chemical processing	9422	moulding operator, injection - plastic manufacturing
9423	moulder - rubber products manufacturing	7284	moulding plasterer
9437	moulder - wood products manufacturing	9615	moulding press feeder, footwear - rubber products manufacturing
9437	moulder - woodworking	9537	moulding press operator, sports balls
9421	moulder and compressor, toiletries - chemical processing	9423	moulding press tender - rubber products manufacturing
9414	moulder and finisher, diamond wheels	9412	moulding sand mixer - foundry
9414	moulder and installer, clay structures	9214	moulding supervisor - rubber and plastic products manufacturing
9611	moulder helper - primary metal processing	7232	mouldmaker - aircraft
9422	moulder operator - plastic manufacturing	9414	mouldmaker - clay products
9437	moulder operator - woodworking	9412	mouldmaker, hand - foundry
9611	moulder, asbestos	7232	mouldmaker, metal
9412	moulder, bench - foundry	9414	mouldmaker, pottery
9414	moulder, bricks - clay products	7272	mouldmaker, wood
9414	moulder, cement blocks - concrete products	7231	mouldmaking machinist
9414	moulder, clay products	9423	mouldman/woman - rubber products manufacturing
9414	moulder, claywork	9523	mount operator - electronic equipment manufacturing
9422	moulder, compression - plastic manufacturing	6532	mountain climbing guide
9414	moulder, concrete poles - concrete products manufacturing	6532	mountain guide
9414	moulder, concrete products	6532	mountaineering guide
9414	moulder, concrete	4311	mounted police constable
9422	moulder, fibreglass	4311	mounted policeman/woman
9412	moulder, floor - foundry	9523	mounter - electronic equipment manufacturing
9414	moulder, hand - clay products	9537	mounter, hollowware
9537	moulder, inflatable balls	9474	mounter, photographs
9435	moulder, papier-mâché	9619	mounter, solid tires - toy manufacturing
9414	moulder, pipe fittings - concrete products	3144	movement analyst - medical
9535	moulder, plastic ankle pieces	9537	movement tester, clocks and watches
9422	moulder, plastic mannequins - plastic manufacturing	9537	movement tester, watches
9414	moulder, precast concrete	3144	movement therapist
9422	moulder, printing rollers - plastic manufacturing	7622	mover helper
9414	moulder, refractory tamp - clay products	5135	movie actor
9414	moulder, saggars - clay products		
9537	moulder, seamless balls		
9537	moulder, sports balls		
9412	moulder, squeezer - foundry		
9414	moulder, stone products		
9414	moulder, stonework		

5123	movie critic	5111	multimedia librarian
5131	movie director	5221	multimedia photographer
5131	movie producer	5221	multimedia picture illustrator
6316	movie theatre attendants supervisor	5241	multimedia products designer
6611	movie theatre cashier	5241	multimedia products designer-ideaman/woman
0651	movie theatre manager	2174	multimedia programmer
5227	movie theatre projectionist	5121	multimedia script writer
6742	movie usher	5225	multimedia sound technician
0731	moving company manager	5225	multimedia sound-effects supervisor
7511	moving truck driver	5121	multimedia writer
7511	moving van driver	9446	multineedle sewing machine operator
7305	moving van drivers supervisor	9416	multi-operation forming machine tender
7622	moving van helper	9422	multiple extruder operator - plastic manufacturing
7318	moving walkway installer-repairer	9416	multiple punch press operator - metal fabrication
8612	mower, lawns	9417	multiple-spindle drill press operator - metal machining
0011	MP (Member of Parliament)	9417	multiple-spindle drill press set-up operator - metal machining
0011	MPP (Member of the Provincial Parliament)	9417	multiple-spindle screw machine operator
3215	MRI (magnetic resonance imaging) technologist	9417	multiple-spindle vertical boring mill set-up operator
3236	MT (massage therapist)	9417	multiple-spindle vertical turret lathe set-up operator
8231	mucker - underground mining	9423	multiroll calender operator - rubber products manufacturing
7521	mucker operator - construction	8222	multi-service operator - oil field services
7521	mucking machine operator - construction	0012	municipal administrator
8231	mucking machine operator - underground mining	1314	municipal assessor
8231	mucking machine operator	0011	municipal council chairman/woman
2145	mud engineer - petroleum drilling	0513	municipal director of leisure
2145	mud engineer	0513	municipal director of recreation
7611	mud jack operator	0513	municipal director, leisure
2212	mud man/woman - petroleum drilling	0513	municipal director, recreation
6332	muffin baker	2253	municipal draftsman
6332	muffin maker	7621	municipal elemental worker
7535	muffler installer	2131	municipal engineer
0621	muffler shop manager	2231	municipal engineering assistant
7311	mule fixer - textile manufacturing	7621	municipal general labourer
7311	mule setter - textile manufacturing	7621	municipal labourer
4164	multiculturalism project officer	4423	municipal law enforcement officer
9434	multidrum sander operator	4423	municipal law enforcement officers supervisor
9537	multifocal lens assembler	0513	municipal leisure director
9417	multi-function metal-cutting tool operator trainee	0513	municipal leisure manager
9417	multi-function metal-cutting tool operator	7522	municipal maintenance equipment operator
5113	multimedia archivist	0513	municipal manager of leisure
5131	multimedia audio producer	0513	municipal manager of recreation
5121	multimedia author	0513	municipal manager, leisure
2171	multimedia consultant	0513	municipal manager, recreation
0512	multimedia department manager	1411	municipal office clerk
5241	multimedia design specialist	0411	municipal officer, public health - government services
5241	multimedia designer	2153	municipal park planner
2174	multimedia developer	2153	municipal planner
4161	multimedia ergonomist		
5223	multimedia graphic design technician		
5223	multimedia graphics technician		
5241	multimedia illustrator		
5123	multimedia information trader		
5241	multimedia instructional designer and scriptor		

0513	municipal recreation director	5111	music librarian
0513	municipal recreation manager	1451	music library assistant
4161	municipal recycling program co-ordinator	5225	music mixer
7522	municipal servicer drain roto	5225	music or sound mixer
4112	municipal solicitor	4011	music professor - university
1228	municipal tax collector	5226	music program planner, radio
0412	municipal taxation manager	5226	music program planner
9537	munitions assembler	5123	music reviewer
7452	munitions handler	0651	music school manager
9537	munitions inspector	4021	music teacher - conservatory of music
9537	munitions loading inspector	4032	music teacher - elementary school
9537	munitions manufacturing inspector	5133	music teacher - musicians
9537	munitions salvage inspector	5133	music teacher - private, conservatory or studio lessons
9537	munitions worker		
5136	mural landscape artist	4031	music teacher - secondary school
5136	mural painter	3144	music therapist
5112	museologist	3144	music therapists' supervisor
5212	museology technician	3144	music therapy researcher
0511	museum administrator	5132	music writer
0511	museum assistant administrator	5132	musical director, motion picture
0511	museum assistant director	5132	musical director, stage
5212	museum cataloguer	5132	musical director, television
0511	museum co-ordinator	5132	musical director
5112	museum curator	9537	musical instrument assembler
5243	museum designer	5244	musical instrument maker - artisan
0511	museum director of conservation	7445	musical instrument repairer
0511	museum director	7445	musical instrument tester
1123	museum education officer	9416	musical instrument tube bender
1123	museum educator	7445	musical instrument tuner
0511	museum executive director	6421	musical instruments and supplies salesperson - retail
5243	museum exhibit designer		
5212	museum exhibit officer	5133	musical interpreter
5212	museum extension officer	5133	musician
0511	museum general director	1123	musicians agent
5212	museum interpreter	7511	muskeg tractor operator
0511	museum manager	8442	muskrat trapper
5212	museum objects cataloguer	8613	mussel farm labourer
5112	museum objects conservator	0823	mussel farmer
5212	museum objects preparator	0823	mussel grower
5212	museum preparator	8613	mussel harvester
5212	museum registrar	1113	mutual fund broker
5212	museum technician - earth's history and paleontology	1113	mutual fund sales agent
5212	museum technician	1113	mutual fund sales representative
8431	mushroom farm worker	0121	mutual funds manager - financial brokerage
0821	mushroom grower	2221	mycological technician
8611	mushroom picker	2221	mycological technologist
0821	mushroom producer	2121	mycologist
0651	music academy manager	3236	myotherapist
5132	music adapter	6541	mystery shopper
5132	music arranger		
4166	music co-ordinator - education		
5132	music copyist		
5123	music critic	6562	nail care technician
5132	music director	9619	nail cutter - shoe manufacturing
5225	music editor - recording studio	9418	nail maker
5111	music librarian - broadcasting	9418	nail making machine set-up operator

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9418	nail making machine tender	2223	natural resources technician - forestry
9537	nailer - footwear manufacturing	5112	natural sciences curator
9437	nailing machine operator - woodworking	5112	natural sciences museum curator
6562	nails and lashes applicator	4011	natural sciences professor - university
9417	name plate stamper	0212	natural sciences program manager
5244	nameplate engraver	2121	naturalist
4411	nanny	5212	nature interpreter
2221	nanobiotechnology technician	5212	nature site interpreter
2112	nanochemist	4032	nature study teacher - elementary school
2111	nanotechnology physicist	3125	naturopath
9232	naphthalene clarifier	3125	naturopathic doctor (ND)
9441	napper - textile manufacturing	3125	naturopathic physician
7311	napper adjuster - textile manufacturing	4167	nautical activities co-ordinator
7311	napper grinder - textile manufacturing	9523	nautical instrument maker - electronic equipment manufacturing
9441	napper operator - textile manufacturing		nautical programs co-ordinator
9441	napper tender - textile manufacturing	4167	naval acoustics operator
9441	naps teaseller - textile manufacturing	4313	naval architect
4311	narcotics squad detective	2148	naval cadet
5135	narrator	0433	naval electronics technician - armed forces
9447	narrow fabric examiner	4313	naval engineer
0601	national accounts manager - sales	2148	navigation aid inspector - electronic equipment manufacturing
0121	national sales manager, real estate	9523	navigation and positioning engineer
0601	national sales manager		navigation officer - water transport
5252	national team coach	2131	navigation officer, Coast Guard vessel
4164	Native affairs officer	2273	navigation officer, fishing vessel
5244	Native art carver	2273	navigator - air transport
1221	Native band administrator	8261	NC (numerical control) drilling machine operator - metal machining
4212	Native centre co-ordinator	2271	NC (numerical control) programmer
0423	Native centre manager	9417	NC (numerical control) riveting machine operator - metal products manufacturing
4212	Native community worker		NC (numerically controlled) machine operator - metal machining
5244	Native craftwork instructor	2233	NC (numerically controlled) machine tool operator
4164	Native employment program officer	9418	NC (numerically controlled) machine tool set-up operator
4164	Native issues lobbyist		NC (numerically controlled) machining tool operator
4168	Native land claims liaison officer	9417	NC (numerically controlled) machinist
4212	Native outreach officer - social services		NC (numerically controlled) riveting machine operator - metal products manufacturing
4212	Native outreach worker	9417	NC (numerically controlled) tracer operator - metal machining
1221	Native reserve administrator		NC/CNC (numerical control/computer numerical control) machining tool operator
4031	Native school community teacher - secondary school	9417	ND (naturopathic doctor)
0422	Native school principal	9417	NDT (non-destructive testing) maintenance technician
4161	natural and applied sciences consultant		neck skewerer - food and beverage processing
4161	natural and applied sciences policy advisor	7231	necklace assembler
4161	natural and applied sciences policy analyst	9418	needle bed repairer - textile manufacturing
4161	natural and applied sciences program officer		needle board repairer - textile manufacturing
4161	natural and applied sciences researcher	9417	needle loom operator
2145	natural gas engineer		
6221	natural gas sales representative	9417	
5212	natural habitat interpreter		
5112	natural history museum curator	3125	
5112	natural history specimen conservator	2261	
4162	natural resources economist		
2224	natural resources officer	9617	
4161	natural resources planner		
4161	natural resources policy analyst	9537	
0412	natural resources policy director - government services	7311	
2221	natural resources technician - biology	7311	
		9442	

9442	needle loom weaver	0131	network services manager - telecommunications
5244	needleworker, hand	2147	network specialist - computer systems
9474	negative cutter - film processing	2281	network support analyst
9472	negative merger	2281	network support technician
9474	negative restorer - photographic processing	2147	network systems engineer
9474	negative retoucher	2147	network test engineer
9474	negative spotter - film processing	0131	network traffic manager - telecommunications
9472	negative spotter - printing	0131	networks manager - telecommunications
9474	negative-contact-frame operator	3217	neuroelectrophysiology technologist
1121	negotiator, collective agreements	3111	neurological surgeon
1121	negotiator, labour organization	3111	neurologist
1225	negotiator, purchasing contracts	3111	neurology, chief of
2153	neighbourhood planner	0311	neuropathologist
4212	neighbourhood worker - social services	3111	neuropsychiatric aide
2121	nematologist	3111	neuropsychiatrist
9524	neon sign builder - electrical equipment manufacturing	4151	neuropsychologist
7441	neon sign erector	3012	neuroscience nurse
7441	neon sign installer	3111	neurosurgeon
9524	neon sign maker	9441	neutralizer - textile manufacturing
9413	neon sign pumper	9617	neutralizer, corn starch
7445	neon sign repairer	9421	neutralizer, nitroglycerine
9413	neon sign tube bender	9421	neutralizer
9413	neon tube bender	7321	new car mechanic
9413	neon tube pumper	6232	new home salesperson
3111	neonatologist	5241	new media graphics designer
9422	neoprene sprayer operator - plastic manufacturing	5121	new media writer
3111	nephrologist	9522	new passenger car inspector
3012	nephrology and kidney transplantation nurse	9522	new passenger car preparer - motor vehicle manufacturing
3012	nephrology and renal transplantation nurse	3234	newborn emergency medical care technician
3012	nephrology nurse	3234	newborn medical care technician
0311	nephrology, chief of	5123	news analyst - broadcasting
3111	nerve specialist	5123	news analyst
9535	net applicator - plastic products manufacturing	5222	news camera operator
9537	net maker, hand	5123	news commentator - broadcasting
9442	net maker, machine - textiles	5123	news commentator
7445	net mender	5123	news correspondent
7445	net repairer	0512	news department manager
9442	net weaver - textiles	5122	news desk editor
9442	net-knitting machine operator - textiles	5122	news editor - broadcasting
8441	netmender, fishing vessel	5122	news editor
5123	netsurfer	1513	news item delivery person - courier service
9442	netting-making machine operator - textiles	5221	news photographer
2281	network administrator	5231	news reader
2147	network architect - computer systems	5123	news reporter
0131	network conduct centre assistant manager	5122	news service editor
2281	network controller	5123	news writer - international broadcasting
2147	network designer - computer systems	5123	newscast correspondent
2147	network engineer, communication hardware	5231	newscaster
0131	network installation manager - telecommunications	1513	newspaper carrier - courier service
0131	network operations manager - telecommunications	1513	newspaper carrier and vendor
2281	network operator	1452	newspaper carrier
5123	network reporter	5123	newspaper circulation clerk
		5123	newspaper correspondent
			newspaper critic

1513	newspaper deliverer	2231	noise abatement technician
7514	newspaper delivery driver	2231	noise reduction technician
6211	newspaper delivery persons supervisor	2261	non-destructive examination technician
1525	newspaper dispatcher	2261	non-destructive examiner
1513	newspaper distributor - courier service	2261	non-destructive inspection technician
5122	newspaper editor	2261	non-destructive inspection tester
5123	newspaper editorial writer	2261	non-destructive inspector
5241	newspaper illustrator	2261	non-destructive test technician
0512	newspaper manager	2261	non-destructive tester
0512	newspaper managing editor	2261	non-destructive testing maintenance (NDT) technician
1423	newspaper page assembler		
7381	newspaper press operator	2261	non-destructive testing trainee
7381	newspaper pressman/woman	0423	non-governmental organization (NGO) manager
5123	newspaper reporter		
6211	newspaper sales supervisor	3217	non-registered electrocardiography technician
6211	newspaper salesperson supervisor		
6623	newspaper vendor - street sales	1221	non-technical project manager
6623	newspaper vendor	6411	non-technical sales specialist - wholesale
5123	newspaper writer	9617	noodle paste mixer tender
6421	newsstand clerk	3111	nose specialist
0423	NGO (non-governmental organization) manager	4211	notary public (British Columbia)
		4211	notary public clerk
9612	nib finisher - metal products manufacturing	4211	notary public (outside Quebec)
9537	nibbling machine operator - jewellery manufacturing	4211	notary public, lay
		4211	notary public
9416	nibbling machine operator - metal fabrication	4112	notary (Quebec)
9536	nickel plater	4112	notary, Quebec
6525	night auditor - hotel	9437	notcher operator - woodworking
6525	night clerk - hotel	9437	notching saw operator - woodworking
6313	night clerk supervisor - hotel	5121	novelist
6525	night clerk	5243	novelties stylist
6211	night crew leader - retail store	6411	novelty products salesperson - wholesale
6541	night guard	6411	novelty sales representative - wholesale
6313	night supervisor - hotel	4217	novice - religion
1211	night supervisor, telephone system	7611	nozzle worker - pile driving
6541	night watchman/woman	2112	nuclear chemist
8411	nipper - underground mining	2132	nuclear design engineer
9232	nitric acid oxidation plant operator	2132	nuclear engineer
9421	nitrocellulose dryer tender	2232	nuclear engineering technician
9421	nitrocellulose finisher	2232	nuclear engineering technologist
9232	nitrocellulose maker	9231	nuclear fuel processor
9421	nitrocellulose screener and weigher	2243	nuclear generating station and heavy water plant control technician
8412	nitrogen operator - oil field services		
8412	nitrogen operator	9241	nuclear generating station field operator
8412	nitrogen truck operator - oil field services	7311	nuclear generating station mechanical maintainer
9232	nitroglycerine maker		
9421	nitroglycerine neutralizer	9241	nuclear generating station operator - electrical power systems
9232	nitroglycerine nitrator operator		
9232	nitroglycerine separator operator	9241	nuclear generating station operator
9232	nitroglycerine separator	3215	nuclear magnetic resonance imaging (NMRI) technologist
2211	NMR (nuclear magnetic resonance) chemical technician	2211	nuclear magnetic resonance (NMR) chemical technician
2112	NMR (nuclear magnetic resonance) spectroscopist	2112	nuclear magnetic resonance (NMR) spectroscopist
3215	NMRI (nuclear magnetic resonance imaging) technologist	3215	nuclear medicine chief technologist
2131	noise abatement engineer	3215	nuclear medicine clinical instructor

3111	nuclear medicine physician	3012	nurse, hospital hygiene
3111	nuclear medicine specialist	3012	nurse
3215	nuclear medicine supervisor	3124	nurse-midwife
3215	nuclear medicine technical co-ordinator	3413	nursery aide - hospital
3215	nuclear medicine technical director	8255	nursery foreman/woman
3215	nuclear medicine technician	0822	nursery manager
3215	nuclear medicine technologist	0822	nursery operator
3215	nuclear medicine technologists supervisor	4214	nursery school aide
2132	nuclear operations engineer	4214	nursery school helper
3111	nuclear physician	4214	nursery school teacher
2111	nuclear physicist	8255	nursery supervisor
7311	nuclear power station equipment mechanic	2223	nursery technician - forestry
7311	nuclear power station machinery mechanic	8255	nursery worker crew chief
9241	nuclear reactor control room operator - electrical power systems	8255	nursery worker foreman/woman
9241	nuclear reactor operator - electrical power systems	8432	nursery worker
9241	nuclear reactor operator	8255	nursery workers supervisor
2111	nuclear reactor physicist	0822	nurseryman/woman
9241	nuclear station control room operator	3012	nursing adviser
2232	nuclear technologist	3413	nursing assistant (non-registered)
0912	nuclear waste manager	3233	nursing assistant (registered - Québec)
2243	nucleonic controller repairer	3413	nursing attendant
9523	nucleonics instrument assembler	3011	nursing care co-ordinator
5232	nude dancer	0311	nursing care manager - medical services
7444	nuisance control trapper	3012	nursing consultant
9473	numbering machine operator - printing	3011	nursing co-ordinator
9417	numerical control (NC) machining tool operator	3012	nursing counsellor
2233	numerically controlled machine tool programmer (except operators)	4021	nursing educator - except college
9417	numerically controlled (NC) machine operator - metal machining	3012	nursing evaluator
9417	numerically controlled (NC) machine tool set-up operator	3413	nursing home attendant
2233	numerically controlled tool programmer	6731	nursing home cleaner
6564	numerologist	4165	nursing home guidelines development officer
0621	numismatist	2263	nursing home inspector
4217	nun	4165	nursing home policy development officer
3012	nurse - birthing room	4021	nursing instructor - college
3413	nurse aide	3413	nursing orderly
3012	nurse consultant	4011	nursing professor - university
3012	nurse counsellor	0125	nursing registry manager
3012	nurse employed at national level	1211	nursing registry supervisor
3012	nurse of Native ancestry	3012	nursing researcher - nurse
3124	nurse practitioner - adult care	3012	nursing researcher
3124	nurse practitioner - anesthesia	0311	nursing services administrator
3124	nurse practitioner - cardiology	3413	nursing services aide
3124	nurse practitioner - extended class	0311	nursing services assistant administrator
3124	nurse practitioner - pediatrics	3011	nursing services co-ordinator
3124	nurse practitioner - primary health care	0311	nursing services director - medical services
3124	nurse practitioner	0311	nursing services manager - medical services
3012	nurse researcher	3011	nursing supervisor, operating room
3012	nurse technician	3011	nursing supervisor
3012	nurse, contagious disease transmission prevention	3012	nursing technician
3012	nurse, geriatric	0311	nursing unit administrator
		3011	nursing unit co-ordinator
		0014	nursing unit supervisor
			nursing vice-president - health, education, social and community services and membership organizations
		3011	nursing ward supervisor

9612	nut and bolt assembler - metal products manufacturing	4161	occupational hygienist
9418	nut and bolt machine tender	3012	occupational medicine nurse
9612	nut and bolt packer - metal products manufacturing	3111	occupational medicine specialist
		3111	occupational physician
9418	nut disk cutter	2263	occupational safety inspector
9418	nut former, metal	2263	occupational safety officer
9418	nut maker, metal	4164	occupational supply analyst
9461	nut mixer operator	3237	occupational therapist assistant
9617	nut sorter - food and beverage processing	3143	occupational therapist (OT)
9617	nut-chopping machine feeder	3143	occupational therapist vocational evaluator
3132	nutrition and dietetics researcher	3143	occupational therapist, case manager
3132	nutrition consultant	3143	occupational therapist, community practice
3132	nutrition researcher	3143	occupational therapist, community
3132	nutrition specialist	3143	occupational therapist, home care
2112	nutritional chemist	3143	occupational therapist, research and development
3132	nutritionist, administrative	3143	occupational therapist, research
3132	nutritionist, community	3414	occupational therapy aide
3132	nutritionist, consultant	3237	occupational therapy assistant
3132	nutritionist, public health	3414	occupational therapy helper
3132	nutritionist, registered	3143	occupational therapy rehabilitation consultant
3132	nutritionist, therapeutic		
3132	nutritionist	3237	occupational therapy technician
9461	nut-roasting equipment operator	0311	occupational therapy, chief of
		0311	occupational therapy, director of
		0411	occupational training director - government services
		0112	occupational training director - human resources
9437	oar maker - woodworking	6411	ocean and lake container transportation sales representative
9437	oar shaper - woodworking		
9461	oats miller	2131	ocean engineer
8615	observer helper - gravity prospecting	1215	ocean freight co-ordinator
8615	observer helper - seismic prospecting	0731	ocean freight manager
2224	observer, fisheries	1215	ocean freight technician
2255	observer, surface weather	2113	oceanographer
3011	obstetrical nursing supervisor	2112	oceanographic chemist
3111	obstetrician	0212	oceanographic research director
3111	obstetrician-gynecologist	4011	oceanography professor - university
0311	obstetrics and gynecology, chief of	3219	ocular prosthetist
3012	obstetrics nurse	3219	ocularist apprentice
3223	occlusion rim former - dentures	3219	ocularist technician
1121	occupational analyst - human resources	3219	ocularist
1122	occupational analyst - services to management firms	3111	oculist
0112	occupational health and safety manager	3121	OD (doctor of optometry)
2263	occupational health and safety officer	9421	odorization technician - chemical processing
2263	occupational health inspector	0911	oenologist
3012	occupational health nurse consultant	9619	offbearer - printing
3012	occupational health nurse	9615	offbearer, machine - rubber products manufacturing
2263	occupational health officer		
3111	occupational health physician (OHP)	9615	offbearer, moulding machine - rubber products manufacturing
0311	occupational health services director		
2263	occupational health supervisor	9616	offbearer, textile machines
2263	occupational hygiene inspector	1411	office administration clerk
4161	occupational hygiene officer	1241	office administrative assistant
2263	occupational hygiene technician	1221	office administrative technician
2263	occupational hygienist technologist	1221	office administrator

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1411	office assistant	6235	officer, credit
1228	office auditor - taxation	2273	officer, deck - water transport
1221	office automation administrator	2273	officer, deck
1221	office automation co-ordinator	4163	officer, economic development - government
6731	office building cleaner	4168	officer, election commission
6733	office building concierge	4164	officer, employment insurance policy analysis
6611	office cashier	1228	officer, employment insurance
9532	office chair assembler	2263	officer, environmental health
6731	office cleaner	4168	officer, federal-provincial relations
1411	office clerk	1111	officer, financial control
1211	office clerks supervisor	2224	officer, fisheries
1221	office co-ordinator	4168	officer, foreign service
0113	office equipment purchasing manager	2224	officer, game
1225	office equipment purchasing officer	2263	officer, health and safety
6411	office equipment sales representative - wholesale (non-technical)	4165	officer, health care planning
6421	office equipment salesperson - retail	4165	officer, health policy development
6221	office equipment salesperson - wholesale	4168	officer, House of Commons committee
2242	office equipment service technician	4168	officer, House of Commons
7441	office furniture installer	4164	officer, Human Rights Commission
6411	office furniture sales representative - wholesale	4164	officer, human rights
1411	office machine operator	1228	officer, immigration - government services
1211	office machine operators supervisor	4164	officer, immigration and demographic analysis
2242	office machine repairer	4163	officer, industrial development - government
7301	office machine repairers foreman/woman	2263	officer, industrial health
0114	office manager - non-profit organization	3012	officer, infection control - hospital
1221	office manager	4168	officer, intergovernmental affairs
1513	office messenger	6541	officer, investigations - postal service
3012	office nurse	4168	officer, labour relations commission
0411	office of health promotion chief - government services	2263	officer, labour standards
1414	office reception clerk	4168	officer, legislative committee
1414	office receptionist	4168	officer, legislative council
1221	office services co-ordinator	6235	officer, loans
1211	office services supervisor	6541	officer, loss prevention - retail
5242	office space planner	6235	officer, mortgage loans
1211	office supervisor	4423	officer, municipal law enforcement
0621	office supplies store manager	4212	officer, Native outreach - social services
0433	officer cadet	2273	officer, navigation - water transport
4164	officer, Aboriginal employment program	2263	officer, occupational health and safety
1221	officer, access to information and privacy	2263	officer, occupational health
1228	officer, adjudication - employment insurance	2263	officer, occupational safety
1228	officer, adjudication - immigration	4168	officer, Office of the Speaker of the House of Commons
4166	officer, adult education program	4168	officer, office of the Speaker
1224	officer, advertising space	4168	officer, official languages commission
2272	officer, air traffic control	4166	officer, official languages education
6235	officer, banking accounts	1122	officer, organization and methods
4423	officer, by-law enforcement	6541	officer, postal inspection
1221	officer, civil emergency measures	4168	officer, Premier's Office (provincial government)
4163	officer, commercial development - government	4168	officer, Prime Minister's Office (federal government)
4311	officer, community relations - police	4168	officer, Privy Council Office
2224	officer, conservation	4168	officer, protocol - government services
1225	officer, contract management	4168	officer, public inquiries
6541	officer, corporate security	1123	officer, public relations
1227	officer, court	4311	officer, recruitment and training - police

4168	officer, regional committee - government services	0811	oil and gas drilling superintendent
4168	officer, regional council	0811	oil and gas fields production manager
4163	officer, regional economic development agency	2145	oil and gas production engineer
2122	officer, regional forest inventory	4211	oil and gas property paralegal
4168	officer, royal commission	4211	oil and gas rights law clerk
2263	officer, safety and health	1242	oil and gas rights legal assistant
6541	officer, security analysis - postal service	4211	oil and gas rights paralegal
4168	officer, Senate committee	8222	oil and natural gas well servicing foreman/woman
4164	officer, social programs	7331	oil and solid fuel heating mechanic
4167	officer, sports projects	9232	oil blender
4168	officer, standing committee	7331	oil burner apprentice
4168	officer, standing or select committee	7301	oil burner installation foreman/woman
4168	officer, task force	7331	oil burner installer and repairer
1228	officer, taxation	7331	oil burner installer
4168	officer, territorial council	7612	oil burner maintainer helper
4163	officer, tourism development - government	7331	oil burner maintainer
4168	officer, tribunal	7331	oil burner mechanic apprentice
2255	officer-in-charge, weather station	7612	oil burner mechanic helper
0112	official languages chief	7331	oil burner mechanic, residential
1221	official languages co-ordinator	7331	oil burner mechanic
4166	official languages education officer	7301	oil burner mechanics foreman/woman
0112	official languages manager	7331	oil burner repairer
4168	official languages promotion officer	7331	oil burner servicer
4154	officiating clergyman/woman	7612	oil burner technician helper
9471	offline-printing machine operator	7331	oil burner technician
7381	offset lithographic proof press operator - printing	7331	oil changer - motor vehicle service
7303	offset lithography foreman/woman - printing	7535	oil clarifier tender - food and beverage processing
7381	offset machine operator	9461	oil controller
9472	offset plate preparer	9232	oil dispatcher
9472	offset platemaker	6411	oil distributor
7303	offset press foreman/woman - printing	7311	oil drill rig mechanic
7381	offset press operator - printing	7302	oil field construction foreman/woman
7381	offset press operator	7302	oil field construction supervisor
7303	offset press operators foreman/woman - printing	8615	oil field labourer
7381	offset pressman/woman - printing	9232	oil field production operator
7381	offset printer	9232	oil field pumper
9472	offset printing plate preparer	9537	oil filter assembler
7384	offshore diver	7331	oil furnace installer
8232	offshore driller - oil and gas	2113	oil geologist
2145	offshore drilling engineer	2212	oil geology technologist
2273	offshore drilling rig first mate	1315	oil lease broker
2274	offshore drilling rig marine engineer officer	9232	oil movement controller
2145	offshore drilling rig subsea equipment engineer	9232	oil movement coordinator
8222	offshore drilling rig superintendent	5136	oil painter
8261	offshore fishing vessel captain	9232	oil pipeline operator
2273	offshore rig captain	7311	oil pump station mechanic
2273	offshore rig commanding officer	9619	oil reclainer
8441	offshore trawler deckhand	9232	oil refiner
3111	OHP (occupational health physician)	6221	oil refinery equipment sales representative
8222	oil and gas contractor	9232	oil refinery process operator
2145	oil and gas drilling engineer	7311	oil tool maintenance mechanic
8222	oil and gas drilling foreman/woman	7311	oil tool repairer
		7511	oil transport driver
		8412	oil well acidizer
		8615	oil well cementer helper

8412	oil well cementer, oil field services	3413	operating room aide
0811	oil well drilling manager	3011	operating room nursing supervisor
2132	oil well equipment design engineer	3012	operating room (OR) nurse
2145	oil well logging engineer	3233	operating room technician - nursing
8232	oil well perforator	3233	operating room technician
1525	oil well service dispatcher	2174	operating systems programmer
8222	oil well services field supervisor	9215	operating team supervisor - pulp and paper
6221	oil well services sales engineer	9232	operating technician - chemical processing
0811	oil well servicing manager	2114	operational meteorologist
7311	oil-drilling rig maintainer	1221	operational officer - administration
7311	oil-drilling rig mechanic	0114	operational planning director
7535	oiler - automotive service	0131	operations and transmission services manager - telecommunications
7535	oiler and greaser, crane and dragline		
7535	oiler, heavy truck	0114	operations chief
7612	oiler, industrial machinery	1224	operations co-ordinator, property management
7532	oiler, marine		
7531	oiler, railway cars	0114	operations director - administrative services
7612	oiler, stationary engines	0731	operations director, transportation
8222	oilfield consultant - construction and reclamation	2122	operations forester
8222	oilfield consultant - rig moving	1122	operations management senior consultant
8222	oilfield consultant - well completions	0114	operations manager - administrative services
8222	oilfield consultant - well servicing	0122	operations manager - banking, credit and investment
8222	oilfield consultant - well testing		
8222	oilfield consultant supervisor	0512	operations manager - broadcasting
8222	oilfield consultant	0911	operations manager - manufacturing
8222	oilfield contractor	0911	operations manager - public utilities
8431	oilseed crop worker	0512	operations manager - publishing
1221	ombudsman officer	0131	operations manager - telecommunications
0012	ombudsperson - government services	0015	operations manager - trade, broadcasting and other services
1451	on call library assistant	0122	operations manager, credit card company
3012	on-call nurse	0714	operations manager, maintenance
3111	oncologist, pediatric	0911	operations manager, manufacturing
3111	oncologist, radiation	0731	operations manager, marine transportation
3111	oncologist	0912	operations manager, pipelines
3012	oncology nurse	0731	operations manager, ship management
3215	oncology technologist, radiation therapy	1221	operations officer - administration
3215	oncology technologist	2161	operations research analyst
5123	on-line chronicler	2233	operations research technologist
5123	on-line columnist	2161	operations researcher
5121	on-line reference developer	1211	operations supervisor
8221	open pit mine supervisor	9232	operations technician - chemical processing
9441	open-end spinner - textile manufacturing	2255	operations technician, weather station
7311	open-end technician - textile manufacturing	0016	operations vice-president - electric power company
7311	open-end technician		
9441	opener tender - textiles	0013	operations vice-president - financial, communications and other business services
9231	open-flame furnace operator - primary metal processing	0016	operations vice-president - goods production, utilities, transportation and construction
9441	opening and blending operator		
9615	opening machine feeder - rubber products manufacturing	0014	operations vice-president - health, education, social and community services and membership organizations
7372	open-pit blaster		
7372	open-pit driller		
0512	opera company director	0015	operations vice-president - radio broadcasting services
5133	opera singer		
7521	operating engineer, heavy equipment	0013	operations vice-president - satellite communication services
1221	operating officer - administration		

0015	operations vice-president - trade, broadcasting and other services	9414	operator, brick-cutting machine - clay products
9527	operator - electrical equipment manufacturing	9414	operator, brick-moulding machine - clay products
1414	operator - telephone system	5224	operator, broadcast transmitter
9614	operator helper, beater - pulp and paper	5224	operator, broadcasting control
9611	operator helper, casting wheel	5224	operator, broadcasting transmitter
9612	operator helper, metal pickler	9414	operator, brush coater - concrete products
8615	operator helper, service rig	9611	operator, buggy - primary metal processing
9611	operator helper, welding rod extruder - primary metal processing	7512	operator, bus
9417	operator trainee, multi-function metal-cutting tool	9537	operator, button machine
7611	operator, air breaker	6722	operator, cable car
9241	operator, air conditioning systems	8421	operator, cable skidder
6722	operator, amusement attraction	8241	operator, cable yarding system
6722	operator, amusement concession	9418	operator, cable-braiding machine
6722	operator, amusement ride	9433	operator, calender - pulp and paper
5223	operator, animation camera	9418	operator, can machine
9411	operator, anode paste plant	9418	operator, can-making machine
9411	operator, anode press	9435	operator, carbon-paper-making machine
9414	operator, asbestos board machine	9435	operator, cardboard box press
7521	operator, asphalt plant	6722	operator, carousel
9431	operator, automatic edger - sawmill	9442	operator, carpet-tufting machine
9414	operator, automatic jigger - clay products	9435	operator, carton-making machine
9437	operator, automatic nailing machine - woodworking	9437	operator, carver - woodworking
9437	operator, automatic shaper - woodworking	9437	operator, carving machine - woodworking
8431	operator, baling machine - agriculture	9232	operator, catalytic conversion
9437	operator, band saw - woodworking	7611	operator, cement gun
9421	operator, batch still	9414	operator, cement pipe shaper - concrete products
9418	operator, beading machine - metal products manufacturing	9231	operator, central control - cement manufacturing
6562	operator, beauty culture	9231	operator, central control room - primary metal and mineral products processing
6562	operator, beauty treatment	9414	operator, ceramic tile press - concrete products
9437	operator, belt sander - woodworking	9473	operator, Cerlox binder - printing
9473	operator, bindery machine - printing	8421	operator, chain saw - logging
9473	operator, bindery	9418	operator, chain-link fence machine
9473	operator, binding and finishing machine	9421	operator, chemical plant
9235	operator, bleach plant - pulp and paper	9232	operator, chemical process unit
9432	operator, bleacher - pulp and paper	9232	operator, chemical process
9441	operator, bleaching range - textile manufacturing	9421	operator, chemical processing machine
9422	operator, blender - plastic manufacturing	8241	operator, chipping machine - logging
9241	operator, boiler	9232	operator, chlorination plant
9418	operator, bolt machine	9437	operator, chucking and boring machine - woodworking
9473	operator, bookbinding machine	9437	operator, chucking machine - woodworking
9473	operator, book-cutting machine	8411	operator, chute gate - underground mining
9473	operator, book-sewing machine - printing	9414	operator, cinder block machine - concrete products
5227	operator, boom microphone		
7371	operator, boom truck hoist	9437	operator, circular saw - woodworking
9417	operator, boring machine - metal machining	9414	operator, clay dry press
9437	operator, boring machine - woodworking	9414	operator, clay press
9414	operator, boring mill - concrete products	9414	operator, clay products machine
9417	operator, boring mill - metal machining	8422	operator, clearing saw - forestry
9414	operator, brick kiln - clay products	9437	operator, CNC (computer numerically controlled) woodworking machine tool
9414	operator, brick presser - clay products		

7452	operator, coal-moving equipment	9437	operator, dimension planer - woodworking
9433	operator, coating machine - pulp and paper	9232	operator, distillation equipment
9411	operator, coke calciner	9437	operator, door-hanging machine - woodworking
9411	operator, coke oven door		
9231	operator, cold mill - primary metal processing	9437	operator, dovetail machine - woodworking
9473	operator, collating machine - printing	9437	operator, dowel machine - woodworking
9232	operator, compressor station - pipelines	9414	operator, drain tile auger machine - clay products
9414	operator, concrete block machine		
9414	operator, concrete hydraulic press	9442	operator, drawer-in machine - textiles
9414	operator, concrete products machine	9437	operator, drill - woodworking
9414	operator, concrete-spinning machine	9417	operator, drill press - metal machining
9231	operator, continuous casting machine - primary metal processing	9414	operator, drill press - stone products
		9442	operator, drop-pinning machine - textiles
9473	operator, continuous glue machine - printing	9437	operator, drum sander - woodworking
9414	operator, contour-grinding machine - concrete, clay and stone products	9414	operator, dry pan - stone products
		9414	operator, dry press - clay products
9232	operator, control panel - chemical processing	9461	operator, dryer and cooler - tobacco processing
9235	operator, control room - pulp and paper		
7452	operator, conveyor - material handling (except underground mines)	9441	operator, dye-range - textile manufacturing
		9437	operator, edge bander - woodworking
8411	operator, conveyor - underground mining	9417	operator, EDM (electrical discharge machine)
7452	operator, conveyor belt (except underground mines)	9417	operator, electrical discharge machine (EDM)
9437	operator, cooper's head saw - woodworking	6562	operator, electrolysis
9474	operator, copy camera - photographic processing	6742	operator, elevator
		9537	operator, embossing machine - footwear manufacturing
9435	operator, core-winding machine - paper converting		
		9473	operator, embossing press - printing
9437	operator, cork-splitting machine	9442	operator, embroidery machine
9435	operator, corrugator - paper converting	9537	operator, engraving machine
9473	operator, covering machine - printing		
8241	operator, crane and claw - logging	9442	operator, entering machine - textiles
9473	operator, credit card die cutter - printing	9537	operator, epoxy-pouring machine
9437	operator, crosscut saw - woodworking	9414	operator, extruder - concrete, clay and stone products
8411	operator, crusher - underground mining		
9414	operator, cupola - concrete, clay and stone products	6562	operator, facial treatment
		8431	operator, farm machinery
9437	operator, cut-off saw - woodworking	8241	operator, feller buncher
9414	operator, cutter - concrete, clay and stone products	9442	operator, felt-making machine
		6722	operator, ferris wheel
9473	operator, cutter - printing	9422	operator, fibreglass-spinning machine - plastic manufacturing
9435	operator, cutting and creasing press - paper converting		
		9422	operator, fibreglass-spraying machine
9473	operator, cutting machine - printing	9474	operator, film-printing machine
9437	operator, dado - woodworking	9474	operator, film-processing machine
9437	operator, dado saw - woodworking	9232	operator, filter - petroleum, gas and chemical processing
9414	operator, decorating kiln - clay products		
8241	operator, delimber	9473	operator, finishing machine - printing
9232	operator, desulphurizing unit	0823	operator, fish culture
9474	operator, developing machine - photographic processing	0823	operator, fish farm
		0823	operator, fish hatchery
9435	operator, die-cutting machine - paper products	9422	operator, flatbed press - plastic manufacturing
9473	operator, die-cutting or die-numbering press - printing	9422	operator, foamed-plastic-producing machine
		9473	operator, foil-stamping platen press
9473	operator, die-cutting platen press	9473	operator, folder - printing
9432	operator, digester - pulp and paper	9473	operator, folding machine - printing

7452	operator, forklift truck	9414	operator, insulation mat machine - stone products
7452	operator, forklift		
1423	operator, formatter - typesetting	7611	operator, jackhammer - construction
9414	operator, forming machine - concrete, clay and stone products	9442	operator, jacquard card-cutting machine - textiles
9527	operator, forming room - electrical equipment manufacturing	9442	operator, jacquard card-lacing machine - textiles
8241	operator, forwarder - logging	9442	operator, jacquard machine
7372	operator, foundation drill	6722	operator, J-bar
9433	operator, fourdrinier machine - pulp and paper	9414	operator, jigger - clay products
		9437	operator, jigsaw - woodworking
9232	operator, fractionator - petroleum	9442	operator, knitting machine
9437	operator, frame table - woodworking	9442	operator, knotting machine - textiles
6722	operator, fun house	9473	operator, laminating machine - printing
6533	operator, gambling table	7237	operator, laser beam machine welder
6722	operator, game booth	9414	operator, lathe - concrete products
6722	operator, game concession	9417	operator, lathe - metal machining
9437	operator, gang rip saw - woodworking	9417	operator, lathe machining
7511	operator, gasoline truck	9446	operator, leather gloves stitching machine
9473	operator, gathering machine - printing	9437	operator, leveller - woodworking
9422	operator, gel coat sprayer - plastic manufacturing	7452	operator, lift truck
		9414	operator, lime mixer
9414	operator, glost kiln - clay products	8241	operator, linehorse
9437	operator, glue machine - woodworking	1423	operator, Linotype composing machine
9473	operator, gluing and folding machine - printing	9232	operator, liquefaction plant
		9243	operator, liquid waste treatment plant
6722	operator, gondola	8411	operator, loading pocket - underground mining
7452	operator, grain conveyor		
8241	operator, grapple loader - logging	9431	operator, log cut-off - sawmill
8421	operator, grapple skidder	8241	operator, log loader
8241	operator, grapple yarder - logging	8241	operator, log loading machine
0822	operator, greenhouse	8241	operator, logging crane
9414	operator, greenware turner - clay products	8241	operator, logging machinery
9421	operator, grinder - chemical processing	8421	operator, logging tractor
9437	operator, grooving machine - woodworking	9442	operator, loom
9473	operator, guillotine - printing	9434	operator, lumber kiln
9537	operator, hair-rooting machine - toy manufacturing	9417	operator, machine tool - metal machining
		9522	operator, machines - motor vehicle manufacturing
7452	operator, hand truck		
8431	operator, harvester machine	5224	operator, master control room (MCR) equipment - broadcasting
9537	operator, hatmaking machine		
9431	operator, head saw - sawmill	9442	operator, mattress-sewing machine
7521	operator, heavy construction-equipment	8241	operator, mechanical harvester - logging
9232	operator, heavy water chemical process	7531	operator, mechanical tamper - railway
9418	operator, hoop-punching and hoop-coiling machine - metal products manufacturing	8241	operator, mechanical tree processor - logging
8431	operator, hop-picking machine	6722	operator, merry-go-round
9437	operator, horizontal boring machine - woodworking	9418	operator, metal pipe cutter
		9418	operator, metal pipe cutting machine
0822	operator, horticultural greenhouse	9418	operator, metal products manufacturing machine
9414	operator, hot press - clay products		
0822	operator, hydroponic greenhouse	9421	operator, mixer - chemical processing
9422	operator, injection moulding - plastic manufacturing	5224	operator, mobile broadcasting equipment
		8241	operator, mobile chipper - logging
9473	operator, inserting machine - printing	9437	operator, mortiser - woodworking
9418	operator, insulation machine - metal products manufacturing	9437	operator, mortising machine - woodworking
		9422	operator, moulder - plastic manufacturing

9434	operator, multidrum sander	9232	operator, power switchboard - chemical processing
9437	operator, nailing machine - woodworking	9527	operator, press - electrical equipment manufacturing
9442	operator, needle loom	9471	operator, printing machine - printing
9474	operator, negative-contact-frame	9537	operator, prism maker
9442	operator, net-knitting machine - textiles	9232	operator, production - chemical processing
9442	operator, netting-making machine - textiles	9537	operator, profile saw - jewellery manufacturing
2281	operator, network	9437	operator, profiling shaper - woodworking
9232	operator, nitric acid oxidation plant	5225	operator, public address (P.A.) systems
9473	operator, numbering machine - printing	5225	operator, public address (P.A.)
0822	operator, nursery	9414	operator, pug mill - clay products
1411	operator, office machines	9432	operator, pulp refiner - pulp and paper
9421	operator, orthophosphate wet mix	9432	operator, pulp washer - pulp and paper
9232	operator, oxygen recovery plant	9235	operator, pulping group - pulp and paper
5225	operator, P.A. (public address) systems	8241	operator, pulpwood harvester
5225	operator, P.A. (public address)	9243	operator, pumphouse - water treatment
9421	operator, packaging machine - chemical processing	9243	operator, pumping station - water treatment
9442	operator, pad mangle - textiles	9232	operator, purification - chemical processing
9442	operator, padding machine - textiles	9442	operator, quilting machine
7452	operator, pallet lift	9437	operator, radial-arm saw - woodworking
7452	operator, pallet truck	7531	operator, railway equipment
9232	operator, panel - chemical processing	7531	operator, railway tie injector
9437	operator, panel saw - woodworking	9414	operator, ram press - clay products
9235	operator, panelboard - pulp and paper	7452	operator, reach truck
9435	operator, paper bag machine	9232	operator, refinery
9435	operator, paper box machine	9431	operator, resaw - sawmill
9433	operator, paper machine	7531	operator, retarder - railway yard
9435	operator, paper splitter	9442	operator, ribbing machine - textiles
9434	operator, particleboard	9414	operator, rip saw - stone products
9414	operator, pebble mill - stone products	9231	operator, roaster - primary metal processing
9473	operator, perfect binder - printing	9414	operator, rock wool - stone products
9473	operator, perforator - printing	9231	operator, rolling mill control - primary metal processing
9414	operator, periodic kiln - clay products	6722	operator, rope tow
9232	operator, petroleum process	7372	operator, rotary drilling machine
9232	operator, petroleum refinery	9437	operator, rough mill - woodworking
9232	operator, pharmaceutical processing	9437	operator, rough planer - woodworking
9474	operator, photographic and film processing machine	9473	operator, rounding and backing machine - printing
8241	operator, picker truck	9437	operator, router - woodworking
7521	operator, pile-driving hammer	9423	operator, rubber-cutting machine
9537	operator, pill-coating machine	9473	operator, saddle stitching machine - printing
9442	operator, pinning machine - textiles	9414	operator, sandblast - stone products
9422	operator, pipe extrusion machine - plastic manufacturing	9612	operator, sandblaster - metal products manufacturing
7611	operator, pipeline mandrel	9437	operator, saw - woodworking
9414	operator, planer - stone products	9437	operator, sawing machine - woodworking
9437	operator, planer - woodworking	8422	operator, scarification equipment - forestry
9414	operator, plasterboard machine	8422	operator, scarifier - silviculture
9422	operator, plastic footwear moulder	5253	operator, scoreboard
9435	operator, platen press - paper converting	9442	operator, scroll-quilting machine
9434	operator, plywood press	9411	operator, scrubber
9418	operator, polishing machine - metal products manufacturing	9522	operator, sealer - motor vehicle manufacturing
9232	operator, polymerization unit	9243	operator, sewage plant
6722	operator, pony ride		
9414	operator, portable diamond drill and saw		
9437	operator, power saw - woodworking		

9446	operator, sewing machine	9421	operator, tital liquor plant
9437	operator, shaper - woodworking	8431	operator, tobacco harvesting machine
9437	operator, shaver - woodworking	7531	operator, track liner - railway
9433	operator, sheeter - pulp and paper	7531	operator, track maintenance machine - railway
6722	operator, shooting gallery		
8241	operator, shortwood harvester	7531	operator, track-surfacing machine - railway
8411	operator, shuttle car	2275	operator, train
7521	operator, side boom tractor	8411	operator, transfer hoist
9473	operator, side stitching machine - printing	9471	operator, transfer press
9537	operator, skate press	9524	operator, transformer coil impregnator - electrical equipment manufacturing
6722	operator, ski lift		operator, transmission control studio
6722	operator, ski tow	5224	operator, tree nursery
8421	operator, skidder - logging	0822	operator, tree processor - logging
8241	operator, slasher - logging	8241	operator, trim saw - woodworking
8241	operator, slasher sawyer - logging	9437	operator, trimmer - sawmill
9435	operator, splitter-creaser - paper converting	9431	operator, trimming and boring machine - woodworking
6722	operator, snowmaking equipment	9437	operator, truck
6722	operator, snowmaking machine		
9421	operator, soap flake dryer	7511	operator, tufting machine - textiles
8422	operator, spacing saw - forestry	9442	operator, tunnel kiln - clay products
9437	operator, spindle carver - woodworking	9414	operator, turning machine - woodworking
9418	operator, spiral weaving machine - metal products manufacturing	9437	operator, turntable - railway yard
		7531	operator, urban transit
9431	operator, splitter - sawmill	7512	operator, vibrator - seismic prospecting
9418	operator, spring assembly machine	8615	operator, video transmission control studio
9418	operator, spring machine	5224	operator, wash-house and recovery equipment - chemical processing
9418	operator, spring-coiling machine	9421	operator, wastewater treatment plant
9418	operator, spring-making machine		operator, water filtration plant
9418	operator, spring-winding machine	9243	operator, water plant pump
7452	operator, stacker - material handling	9243	operator, water purification plant
9437	operator, stave machine - woodworking	9243	operator, water treatment plant
9241	operator, steam plant	9243	operator, waterworks pumping station
9414	operator, steam tank - stone products	9243	operator, welding rod extruder
9418	operator, steel wool machine	9418	operator, wheelabrator - metal products manufacturing
9473	operator, stitcher - printing	9612	
9473	operator, stitcher-trimmer - printing		
9414	operator, stone products machine		
9414	operator, stonework drill press	9418	operator, wire bundle machine
9414	operator, stonework sandblast	9418	operator, wire coiner
9414	operator, stonework saw	9418	operator, wire loom
7452	operator, straddle carrier	9418	operator, wire loop machine
7452	operator, straddle truck	9414	operator, wire saw - concrete, clay and stone products
7512	operator, streetcar		
7512	operator, subway	9418	operator, wire-crimping machine
9421	operator, sulphonator - chemical processing	9418	operator, wire-netting machine
9437	operator, surface planer - woodworking	9437	operator, wobble saw - woodworking
9437	operator, swing-type lathe - woodworking	9437	operator, wood lathe - woodworking
1414	operator, switchboard	9437	operator, wood saw - woodworking
7611	operator, tamper	9437	operator, wood-carving machine
6722	operator, T-bar	9437	operator, wood-turning lathe - woodworking
1414	operator, telephone answering service	9524	operator-assembler, electrical appliances
9537	operator, tennis ball maker	9435	operator-cutter, corrugating machine - paper converting
9418	operator, tent frame machine		
7246	operator, test desk - telecommunications	3237	ophthalmic assistant
9432	operator, thermomechanical pulp	3231	ophthalmic device dispenser
8431	operator, threshing machine	3231	ophthalmic dispenser
7452	operator, tier lift truck	3414	ophthalmic goods bench worker

3414	ophthalmic lab technician - retail	3231	optician, dispensing
3414	ophthalmic laboratory technician - retail	3231	optician, student
3414	ophthalmic lens bench worker	3231	optician
3414	ophthalmic lens cutter	7303	OptiCopy and stripping foreman/woman - printing
3414	ophthalmic lens edge grinder		
3414	ophthalmic lens grinder and polisher	9472	optical keypunch operator - printing
3414	ophthalmic lens grinder	9472	optical machine operator - printing
3414	ophthalmic lens grinder-polisher setter	9472	optical offline programmer - printing
3414	ophthalmic lens inspector	9472	optical program tape preparer - printing
3414	ophthalmic lens marker	2111	optics physicist
3237	ophthalmic medical assistant	2241	optics technologist
3237	ophthalmic medical technician	1113	options trader
3237	ophthalmic medical technologist	3231	optometric dispenser
3237	ophthalmic technician (except retail)	3414	optometric technician
3237	ophthalmic technician	3414	optometrist assistant
3237	ophthalmic technologist	3121	optometrist
3237	ophthalmologist assistant	3012	OR (operating room) nurse
3111	ophthalmologist	3113	oral and dental surgeon
0311	ophthalmology, chief of	3113	oral and maxillofacial surgeon
2161	opinion polling statistician	5125	oral interpreter
0011	opposition leader	3113	oral medicine specialist
2147	optical communications engineer	3113	oral pathologist
2147	optical communications hardware engineer	3113	oral pathology and maxillofacial surgery specialist
3231	optical device dispenser		
3231	optical dispensing manager	3113	oral radiologist
2253	optical draftsman	3113	oral surgeon
5226	optical effects co-ordinator	0011	orator - government
9619	optical element cleaner	8252	orchard foreman/woman
9537	optical element coater - non-prescription	8431	orchard worker
3231	optical frame fitter	5132	orchestra artistic director
9537	optical glass etcher (non-prescription)	5132	orchestral conductor
3414	optical goods inspector	5132	orchestrator
9537	optical instrument assembler	5132	orchestrator-arranger
9227	optical instrument assembly foreman/woman	6552	order clerk - customer services
9537	optical instrument calibrator	1523	order clerk, manufacturing
9537	optical instrument driller - non-prescription	6552	order desk agent
9537	optical instrument maker	6622	order filler - retail
9227	optical instrument manufacturing foreman/woman	6622	order picker
		1411	order transcriber
3414	optical lab mechanic - retail	3413	orderly
3414	optical laboratory assistant	4313	ordinary seaman - armed forces
3414	optical laboratory technician - retail	7532	ordinary seaman/woman - except armed forces
3414	optical laboratory technician		
9537	optical lens edger, precision - non-prescription	1225	ore buyer
		9611	ore crushing helper
3414	optical lens grinder and polisher	9411	ore crushing worker
9537	optical lens grinder, precision - non-prescription	9411	ore dryer operator
		9411	ore grinding worker
3414	optical lens inspector	8411	ore handling operator - underground mining
9537	optical lens polisher, precision - non-prescription	9211	ore milling foreman/woman
		9211	ore milling supervisor
3414	optical mechanic	9411	ore milling worker
9537	optical mirror coater operator	9611	ore processing labourer
2112	optical spectroscopist	9231	ore roaster
2147	optical systems engineer - telecommunications	9415	ore sample tester - mineral products processing
3414	optical technician	9415	ore sampler - mineral products processing

9411	ore screen tender	9534	ornamenter - furniture finishing and refinishing
9411	ore screener		ornithological technician
9411	ore separator tender - primary metal and mineral products processing	2221	ornithological technologist
2212	ore technologist	2121	ornithologist
8411	orepass tender - underground mining	5212	ornithology centre interpreter
7311	ore-processing equipment mechanic	5112	ornithology curator
7612	ore-processing equipment repairer helper	5112	ornithology museum curator
5133	organ teacher - private, conservatory or studio lessons	3223	orthodontic band maker
		3223	orthodontic dental technician
7445	organ tuner	3222	orthodontic hygienist
2112	organic chemist	3223	orthodontic prosthesis maker
8431	organic farm worker	3223	orthodontic technician
0821	organic grower	3113	orthodontist
2112	organic mass spectrometrists	3219	orthopedic appliance assembler
5133	organist	3414	orthopedic assistant
1122	organization and methods officer	3219	orthopedic mechanic
1122	organization and methods researcher	3414	orthopedic physician assistant
1221	organization and productivity project manager	6343	orthopedic shoe repairman/woman
		6343	orthopedic shoemaker
1221	organization and productivity project officer	6421	orthopedic shoes salesperson - retail
0114	organization rules analysis manager	3414	orthopedic supervisor
1122	organizational analysis consultant	3111	orthopedic surgeon
1122	organizational analyst	3414	orthopedic technician
0125	organizational methods analysis director - business services	3414	orthopedic technologist
		3111	orthopedics specialist
0125	organizational methods analysis director	3414	orthopedist aide
0125	organizational methods analysis manager	3111	orthopedist
0125	organizational planning and development director	9421	orthophosphate wet mix operator
		3125	orthoptist
4151	organizational psychologist	3236	orthotherapist
0114	organizational rules analysis manager	3219	orthotic corset maker
1123	organizer, advertising campaign	3219	orthotic technician
1226	organizer, special events	3219	orthotist
2112	organometallic chemist	3219	orthotist-prosthetist
3232	Oriental medical practitioner	2121	osteologist
7445	Oriental rug repairer	3125	osteopath
4215	orientation and mobility instructor for persons with a visual impairment	3125	osteopathic doctor
		3232	osteopathic manual practitioner
4215	orientation and mobility instructor	3125	osteopathic physician
4215	orientation and mobility teacher for persons who are blind	3143	OT (occupational therapist)
		3111	otolaryngologist
4215	orientation and mobility teacher of persons with a visual impairment	3111	otologist
		3111	otorhinolaryngologist
9537	ornament maker, hats	3111	otorhinolaryngology specialist
9537	ornament setter	8262	otter trawl fisherman/woman
9412	ornamental caster - foundry	9526	outboard motor assembler - mechanical assembly
9537	ornamental design caster		outboard motor assembly foreman/woman
9413	ornamental glass production worker	9226	outboard motor inspector and tester
7611	ornamental iron erector helper	9526	outboard motor installer
7236	ornamental ironworker	9531	outboard motor installer-fitter
9416	ornamental metal worker - metal fabrication	9531	outboard motor mechanic
7611	ornamental metal worker helper	7334	outboard motor prototype tester
7284	ornamental plasterer	9526	outbound customer service representative - contact centre
9619	ornamental stone setter - jewellery manufacturing	6552	outdoor guide
7236	ornamental-metal worker	6532	

4031	outdoor physical education teacher - secondary school	2123	P.Ag. (professional agrologist)
7335	outdoor power equipment technician	3132	P.Dt. (professional dietitian)
6532	outfitter	9523	pacemaker assembler - electronic equipment manufacturing
6532	outfitting guide	6622	pack boy/girl
3012	out-patient clinic nurse	5241	package designer
4156	outplacement consultant	7452	package lift operator
4156	outplacement counsellor	0601	package tour sales manager
3012	outpost nurse	1313	package underwriter - insurance
1423	output compositor - typesetting	6741	packager - laundry and dry cleaning
1423	output operator - typesetting	9619	packager - manufacturing
4156	outreach counsellor, employment	9617	packager, bakery products
3012	outreach nurse	9619	packager, machine
4156	outreach program co-ordinator, employment	9617	packager, poultry
4156	outreach program counsellor, employment	9619	packager, seeds
7311	oven equipment repairer	9619	packaging company labourer
9212	oven foreman/woman - chemical processing	9619	packaging line worker
9613	oven loader - chemical processing	9461	packaging machine adjuster
9421	oven operator, electrodes	7311	packaging machine mechanic
9536	oven tender - painting and coating	9421	packaging machine operator - chemical processing
9446	overcaster - garment manufacturing	9461	packaging machine operator - food processing
9446	overcasting machine operator		packaging manufacturing plant manager
9446	overedging machine operator	0911	packaging supervisor - food and beverage processing
7311	overhauler, textile machine	9213	packaging tester and inspector
7371	overhead crane operator	9537	packaging tester
9437	overhead dado operator - woodworking	9537	packer - manufacturing
7441	overhead door installer	9619	packer - material handling
2133	overhead electrical distribution engineer	7452	packer operator - tobacco products
9446	overlock sewing machine operator	9461	packer, boxes
9446	overseamer - garment manufacturing	9619	packer, cases
0621	owner, retail store	9619	packer, fruit - farm
7237	oxyacetylene torch welder	8611	packer, furniture
7237	oxyacetylene welder	9619	packer, garments - garment manufacturing
9211	oxygen furnace foreman/woman - primary metal and mineral products processing	9611	packer, glass
9231	oxygen furnace operator - primary metal processing	9615	packer, insulation - rubber products manufacturing
9232	oxygen recovery plant operator	9617	packer, liquid
3214	oxygen therapy technician	9463	packer, oysters - fish processing
7237	oxyhydrogen welder	9617	packer, tobacco
9463	oyster canner - fish processing	8611	packer, vegetables - farm
2221	oyster culture technician	9433	packer-wrapper attendant - papermaking
0823	oyster farmer	9435	packing carton assembler
0823	oyster grower	9461	packing machine set-up operator
8613	oyster harvester	9435	pad gluer, machine - paper converting
9463	oyster packer - fish processing	9442	pad mangle operator - textiles
8613	oyster picker	9535	padded dashboard maker - plastic products manufacturing
8613	oyster picker-shucker	9423	padded products repairer
9463	oyster shucker - fish processing	9441	padder tender - textile manufacturing
9463	oyster washer tender - fish processing	9619	padding cutter - furniture assembly
	P	9619	padding labourer
5225	P.A. (public address) operator	9442	padding machine operator - textiles
5231	P.A. (public address) system announcer	9441	padding machine tender - textile manufacturing
5225	P.A. (public address) system operator		

9437	paddle maker - woodworking	9536	paint systems attendant
5253	paddock blacksmith - racetrack	2211	paint technician
5253	paddock horseshoer - racetrack	9537	paintbrush-head maker
5253	paddock judge - racetrack	9536	painter - motor vehicle manufacturing
5253	paddock plater - racetrack	7322	painter - motor vehicle repair
9441	pad-extractor tender - textile manufacturing	5136	painter - visual arts
1423	page compositor	7294	painter and decorator apprentice
5241	page designer	7611	painter and decorator helper
1423	page maker-up	7294	painter and decorator
1451	page, library	9536	painter and letterer, railway cars
6533	pai gow croupier	7294	painter and paperhanger
6533	pai gow domino croupier	7205	painter foreman/woman - construction
6533	pai gow poker croupier	9226	painter foreman/woman, shipyard
9619	pail handle inserter	7611	painter helper - construction
9536	paint and mix production and control operator	9619	painter helper, production
9536	paint and varnish dipper operator	9619	painter helper, shipyard
9413	paint baker, enamelware - glass products manufacturing	9536	painter, airbrush
9536	paint baking oven tender	9536	painter, aircraft
9537	paint brush final assembler	5223	painter, animated cartoons
9536	paint control operator	5223	painter, animation
9224	paint department foreman/woman - furniture and fixtures manufacturing	9536	painter, assembly line
9221	paint department foreman/woman - motor vehicle manufacturing	9536	painter, automobile assembly
9226	paint department foreman/woman - railway rolling stock manufacturing	9536	painter, automobiles - motor vehicle manufacturing
9226	paint department foreman/woman - shipbuilding	7322	painter, automobiles - motor vehicle repair
9214	paint department supervisor - plastic products manufacturing	9536	painter, boilers
9214	paint department supervisor - rubber products manufacturing	7294	painter, commercial buildings
9522	paint department technician - motor vehicle manufacturing	7294	painter, commercial construction
9536	paint dipper - flow coating	7294	painter, construction
9536	paint machine operator	9536	painter, cylinders
9421	paint maker	9536	painter, drum
9212	paint making foreman/woman	9536	painter, enamel
9421	paint mixer	9534	painter, frame mouldings - furniture manufacturing
9613	paint plant labourer	5223	painter, hand - graphic arts
9613	paint pourer	7294	painter, industrial construction
9212	paint processing foreman/woman	9536	painter, industrial products
9536	paint production operator	9536	painter, locomotives
9536	paint repairman/woman, finished vehicles	7294	painter, maintenance
9537	paint roller cover trimmer	9536	painter, motor and generator subassemblies
9619	paint roller winder	7322	painter, motor vehicles - motor vehicle repair
9536	paint room attendant	7611	painter, pavement lines
6421	paint salesperson - retail	5223	painter, posters
9221	paint shop foreman/woman - motor vehicle manufacturing	9536	painter, products
9221	paint shop supervisor - motor vehicle manufacturing	7294	painter, residential construction
9536	paint spray inspector	9536	painter, shipyard
0621	paint store manager	5223	painter, signs
9619	paint stripper	5223	painter, traffic signs
		9536	painter, tumbling barrel
		7294	painter
		7294	painter-decorator
		9536	painter-finisher, production
		7205	painters and decorators foreman/woman
		7205	painters and decorators supervisor
		9226	painters foreman/woman - metal products manufacturing
		7205	painting and wallpapering contractor

7205	painting contractor	9435	paper bag maker
9536	painting machine attendant	9435	paper box machine operator
9536	painting machine operator	9435	paper box machine tender
9536	painting machine tender	9435	paper box maker - paper converting
7205	painting supervisor - construction	1513	paper boy/girl - courier service
5112	paintings conservator	1513	paper boy/paper girl
5212	paintings restoration technician	9215	paper coating supervisor - pulp and paper
9536	paint-sprayer operator	9619	paper cone dipper and dryer
2113	paleobotanist	9435	paper cone former - paper converting
2113	paleoecologist	9435	paper cone winder - paper converting
2114	paleometeorologist	5112	paper conservator
2113	paleontologist	9215	paper converting supervisor
2212	paleontology technician	9435	paper cup machine tender - paper converting
6742	pallbearer	9435	paper cutter - paper converting
7452	pallet lift operator	9435	paper cutter, carbon
7452	pallet loader operator	9619	paper feeder, press - printing
9533	pallet maker, wood	9215	paper foreman/woman - pulp and paper
7452	pallet truck operator	9433	paper grader
7452	palletizer operator	6411	paper industry sales consultant
3012	palliative care nurse	9215	paper inspectors foreman/woman - pulp and paper
6564	palm reader		
2113	palynologist	9433	paper jogger operation - pulp and paper
2212	palynology technician	7611	paper latcher - construction
9411	pan tender	9235	paper machine control operator
9231	panel board operator - primary metal and mineral products processing	9215	paper machine foreman/woman - pulp and paper
9437	panel finisher, packing trunks - woodworking	9215	paper machine foreman/woman
9436	panel inspector - wood processing	9433	paper machine hand
9437	panel jointer machine tender - woodworking	9433	paper machine operator
9437	panel jointer, machine - woodworking	9433	paper machine winderman/woman
9533	panel matcher, wood	9235	paper maker
9232	panel operator - chemical processing	9215	paper mill foreman/woman
9235	panel operator - pulp and paper	0911	paper mill manager
9437	panel raiser operator - woodworking	9215	paper mill supervisor
9437	panel saw operator - woodworking	9215	paper mill workers foreman/woman
9437	panel saw tender, computerized - woodworking	9435	paper products inspector
		9215	paper products makers foreman/woman - paper converting
9525	panelboard assembler - industrial electrical equipment	9432	paper pulp tester
9235	panelboard operator - pulp and paper	9433	paper roll finisher - pulp and paper
9434	panel-groover operator - wood processing	9433	paper roll wrapper - pulp and paper
9535	panelling assembler, automotive doors - plastic products manufacturing	5241	paper securities designer
9434	panel-sanding machine operator - wood processing	9619	paper sheet counter - printing
5244	panflute maker	9435	paper slitter operator
4217	panthee	9614	paper sorter and counter
9416	pantograph burner - metal fabrication	9614	paper tube production helper
5244	pantograph engraver - arts and crafts	9435	paper twister tender - paper converting
9416	pantograph flame cutter - metal fabrication	7452	paper wrapper - material handling
9417	pantograph milling machine set-up operator	9433	paper-coating machine operator
9472	pantograph setter	9435	paper-converting machine operator
9472	pantographer - printing	9433	paper-finishing machine operator
9461	pantry worker - food and beverage processing	7611	paperhanger helper
		7294	paperhanger
9435	paper bag machine operator	7205	paperhangers foreman/woman
9435	paper bag machine tender	7205	paperhanging contractor
		7205	paperhanging foreman/woman
		5244	papermaker, hand

9433	papermaking and finishing machine operator	1222	parliamentary committee clerk
9472	paper-plate maker	0414	parliamentary services director
9435	paper-punch press tender - paper converting	0012	parole board chairman/woman
9435	papier-mâché moulder	4168	parole board member
9619	parachute folder	4155	parole officer
9447	parachute inspector - fabric products manufacturing	4155	parole supervisor
9619	parachute preparer	7295	parquet floor layer
9537	parachute stringer	2111	particle accelerator physicist
9421	paradichlorobenzene equipment tender	2111	particle physicist
4413	paraeducator	9215	particleboard foreman/woman
4211	paralegal	9436	particleboard grader - wood processing
3234	paramedic worker	9434	particleboard line operator
3234	paramedic	9536	particleboard spraying machine tender
2241	paramedical equipment repairer	9434	particleboard-forming machine operator
4413	paraprofessional educator	9434	particleboard-sizing saw tender
3114	parasitologist, veterinary	9435	partition assembly machine operator - paper converting
2121	parasitologist	9435	partition slotter machine tender - paper converting
2121	parasitology biologist	9537	parts assembler, jewellery
1511	parcel post clerk	1522	parts clerk
0132	parcel processing plant manager	1215	parts clerks supervisor
1513	parcels deliverer, courier service	1522	parts counter clerk - retail
4411	parent, foster	1522	parts counter clerk
4411	parent's helper	7514	parts delivery driver
4154	parish priest	1522	parts lister
6722	park attendant	0621	parts manager - retail
8255	park caretaker	1215	parts service supervisor
5212	park interpreter	1215	parts shipping manager
8255	park labourers supervisor	1522	parts sorter
8255	park maintenance head	1522	parts supplier
8612	park maintenance labourer	1522	parts technician
8255	park maintenance supervisor	1522	parts tester - electronic equipment manufacturing
8612	park maintenance worker	9523	parts tester - electronic equipment manufacturing
2121	park naturalist	9537	parts trimmer, footwear - footwear manufacturing
2153	park planner, municipal	1522	partsperson
2153	park planner	2154	party chief, land surveying
2224	park ranger	6524	passenger agent - railway
6722	park receptionist	6524	passenger agent (except airline)
8255	park section head - arboriculture	6523	passenger agent, airline
0412	park superintendent - government services	1225	passenger and freight rates analyst
8255	park supervisor, grounds maintenance	6721	passenger attendant, cruise line
6316	park supervisor	6721	passenger attendant, ship
4423	parking control officer	0731	passenger operations manager, railway
1221	parking co-ordinator	6523	passenger sales agent - airline
0621	parking garage operator	6523	passenger sales representative - airline
6742	parking lot attendant	6721	passenger service attendant - railway
6611	parking lot cashier	6313	passenger service co-ordinator - railway
0621	parking lot operator	6522	passenger service director - water transportation
6316	parking lot supervisor	6523	passenger service representative - airline
7621	parking meter collector	6523	passenger service representative
7445	parking meter repairer	2273	passenger ship captain
7445	parking meter servicer	7362	passenger train brakeman/woman
6742	parking valet	7362	passenger train conductor
0412	parks administration director	7361	passenger train engineer
2122	parks and recreation forester		
0412	parks service director		
1222	parliamentary assistant		

1452	passport clerk	6332	pâtissier, baker
1452	passport issuer	5253	patrol judge - racetrack
1213	passport office supervisor	4311	patrol officer - police
6321	pasta chef	6541	patrol officer - security
9461	pasta maker	4311	patrol officer, traffic
9619	paster, screen printing	9442	patroller, knitting area - textiles
5223	paste-up artist	7531	patroller, railway track
9461	pasteurizer operator - food and beverage processing	5254	patroller, ski
9461	pasteurizer operator	6541	patrolman/woman - security
9527	pasting machine operator - electrical equipment manufacturing	7442	patrolman/woman, pipeline
4154	pastor	9442	pattern card preparer - textiles
4217	pastoral animator	9442	pattern changer, jacquard looms
6321	pastry chef	9445	pattern cutter
9617	pastry cook helper	5245	pattern designer and patternmaker - textile, leather and fur products
6322	pastry cook	5245	pattern designer and patternmaker, canvas goods
6332	pastry decorator - retail	2132	pattern engineer
6332	pastry decorator	9412	pattern gater
6332	pastry maker	5245	pattern grader
6421	pastry sales clerk	5245	pattern marker - fabric products
9617	pastry wrapper	5245	pattern marker
8431	pasture rider	5245	pattern modifier - textile, leather and fur products
8252	pasture-managing supervisor	5245	pattern modifier
6741	patcher - laundry and dry cleaning	9412	pattern moulder - foundry
9434	patcher operator - wood processing	9442	pattern puncher - textiles
6741	patching machine operator - laundry and dry cleaning	7272	pattern repairman/woman - foundry
4161	patent agent, registered	7311	pattern setter, automatic knitting machine
4161	patent agent	7201	pattern shop foreman/woman - metal machining
4112	patent counsel	9442	pattern weaver - textiles
4112	patent lawyer	7384	patternmaker - aeronautics
4161	patent searcher	5245	patternmaker - computer assisted
4112	patent solicitor	5245	patternmaker - textile products
3111	pathologist - medical	5245	patternmaker - textile, leather and fur products
3114	pathologist, animal	6345	patternmaker and upholsterer, aircraft
3111	pathologist, autopsy	7232	patternmaker, metal apprentice
2121	pathologist, forests	7232	patternmaker, metal
2121	pathologist, plants	7384	patternmaker, plaster
3141	pathologist, speech	5245	patternmaker, shoes
3141	pathologist, speech-language	7272	patternmaker, wood
3114	pathologist, veterinary	6345	patternmaker-upholsterer
3111	pathologist-hematologist	7611	pavement line painter helper
3212	pathology assistant	7611	pavement line painter
0311	pathology, chief of	7611	pavement striper
3413	patient care aide	7521	paver operator
3413	patient care assistant	7302	pavers and surfacers foreman/woman
3413	patient care associate	9414	paving and stone block maker - concrete and stone products
3011	patient care co-ordinator - nursing	7302	paving contractor
3413	patient service aide	7312	paving equipment mechanic
3413	patient service assistant	7302	paving foreman/woman
3413	patient service attendant	7302	paving gang road boss
3413	patient service worker	7611	paving operations labourer
1431	patient-billing clerk		
0114	patient-registration manager		
7441	patio builder		

7302	paving, surfacing and related work foreman/woman	9523	PCB (printed circuit board) fabrication machine operator
0621	pawnbroker	9222	PCB (printed circuit board) fabrication supervisor - electronic equipment manufacturing
1432	pay accounts clerk		
1432	pay advisor	9523	PCB (printed circuit board) in-circuit machine -and repairing-machine operator
1432	pay and benefits administrator	9523	PCB (printed circuit board) inspector and tester - electronic equipment manufacturing
0112	pay and benefits clerk	9523	PCB (printed circuit board) inspector
0112	pay and benefits director	4164	peace activist
0112	pay and benefits manager	4311	peace officer
1212	pay and benefits supervisor	4164	peace researcher
1432	pay clerk	9461	peanut butter maker
0112	pay services director - human resources	9461	peanut-blanching machine tender - food and beverage processing
1432	pay verifier		
7521	payloader operator	6344	pearl cutter
1212	paymaster	9537	pearl earring maker
1422	payment entry clerk	9537	pearl maker
1422	payment input clerk	6344	pearl setter
1212	payment processing unit supervisor	9537	pearl stringer
0112	pay-processing division director - government services	0811	peat bog manager
1432	payroll administrator	7612	peat digger
1432	payroll clerk	9411	peat moss dehydrator tender
1432	payroll machine operator	7521	peat-moss-cutting machine operator
1432	payroll officer	7521	peat-moss-gathering machine operator
0125	payroll service manager	9414	pebble mill operator - stone products
1212	payroll supervisor	0421	pedagogical co-ordinator
7246	PBX (private branch exchange) and PABX (private automatic branch exchange) inspector - telecommunications	9417	pedestal drill operator - metal machining
7246	PBX (private branch exchange) and PABX (private automatic branch exchange) installer - telecommunications	3141	pediatric audiologist
7246	PBX (private branch exchange) and PABX (private automatic branch exchange) installer and repairer - telecommunications	3113	pediatric dentist
7246	PBX (private branch exchange) and PABX (private automatic branch exchange) repairer - telecommunications	3216	pediatric echocardiographer
7246	PBX (private branch exchange) inspector - telecommunications	3012	pediatric intensive care nurse
7246	PBX (private branch exchange) repairer - telecommunications	3012	pediatric nurse
2174	PC (personal computer) application developer	3111	pediatric oncologist
2282	PC (personal computer) support analyst	3111	pediatric surgeon
9523	PCB (printed circuit board) assembler	3111	pediatrician
9523	PCB (printed circuit board) assembly inspector	0311	pediatrics, chief of
9523	PCB (printed circuit board) assembly machine operator - electronic equipment manufacturing	6562	pedicurist
9523	PCB (printed circuit board) etcher	3113	pedodontist
9222	PCB (printed circuit board) fabrication foreman/woman - electronic equipment manufacturing	2115	pedologist
9523	PCB (printed circuit board) fabrication inspector	3219	pedorthist
		4212	peer support worker
		9612	pellet grinder - metal products manufacturing
		9412	pellet maker - foundry
		9617	pellet mill worker - food and beverage processing
		9537	pellet press operator - explosives manufacturing
		9411	pellet press tender - primary metal processing
		9537	pellet press tender
		9411	pellet segregator - primary metal processing
		9421	pelletizer, plastics
		9411	pelletizer, slag - primary metal processing
		9231	pelletizing control operator
		9441	pelt dresser

9441	pelt dyer - hide and pelt processing	9414	periodic kilnman/woman - clay products
9447	pelt grader - hide and pelt processing	0512	periodical managing editor
9447	pelt processing inspector	1451	periodicals clerk - library
9441	pelt processing worker	1451	periodicals clerk
9441	pelt shearer	5111	periodicals librarian
9441	pelt stretcher - hide and pelt processing	6411	periodicals sales representative - wholesale
9537	pen and pencil assembler	6411	periodicals sales representative
9537	pen and pencil inspector	3222	periodontal hygienist
4422	penal institution guard	3113	periodontist
9537	pen-and-pencil-knurling machine operator	6222	perishable food buyer
9619	pencil blank presser	9231	perlite expander control panel operator - mineral products processing
9537	pencil maker operator		permanent inventory clerk
9537	pencil maker tender	1524	permanent mould operator - foundry
9536	pencil-coating machine tender	9412	permanent press sprayer machine
9537	pencil-eraser maker tender	9537	permanent press sprayer tender - garment and fabric products manufacturing
9537	pencil-eraser-making machine tender	9537	permastone mason
9437	pencil-grooving machine tender		permission manager - publishing
9537	pencil-making machine operator	7281	permit clerk
9537	pencil-making machine setter	0512	peroxide bleach plant operator - pulp and paper
9537	pencil-making machine tender	1452	personal academic counsellor
9537	pencil-pointing machine tender	9235	personal aide - home support
9437	pencil-rounding machine tender		personal assistant - home care
9536	pencil-tip-banding machine tender	4033	personal banker
9619	pencil-tipping machine feeder	4412	personal banking accounts officer
4422	penitentiary guard	4412	personal banking representative
4169	penologist	6235	personal banking vice-president
8431	penrider	6235	personal care aide - home care
1434	pension administrator - insurance company	6235	personal care aide - medical
0111	pension plans administrator	0013	personal care attendant - home care
1434	pension plans clerk - insurance	4412	personal care attendant - medical
0111	pension services manager	3413	personal care provider - home care
0112	pensions and benefits manager	4412	personal care provider - medical
5251	pentathlete	3413	personal computer (PC) application developer
9447	perch operator - textiles	4412	personal computer salesperson - retail
9447	perch operator	3413	personal counsellor - education
9447	percher - textiles	2174	personal credit lines clerk
7445	percussion instrument repairer		personal financial planner
5133	percussionist	6421	personal financial services associate
9473	perfect-binder operator - printing	4033	personal financial services officer
9473	perfect-binder set-up operator - printing	1434	personal image consultant
9473	perforating machine operator - printing	1114	personal image counsellor
9473	perforating machine tender - printing	6235	personal improvement consultant
8615	perforator helper - oil field services	6235	personal lines clerk - insurance
9473	perforator operator - printing	6561	personal lines underwriter
9473	perforator tender - printing	6561	personal loans officer
8232	perforator, oil wells	6561	personal secretary
5134	performance movement teacher	1434	personal servant
5251	performer, rodeo	1313	personal shopper
5251	performer, stampede	6235	personal skills development instructor - social services
1123	performers agent	1241	personal style co-ordinator
5131	performing arts artistic director	6742	personal support aide - home aide
9421	perfume maker	6623	personal support aide - medical
3214	perfusion technologist	4212	
3214	perfusionist, cardiovascular		
3214	perfusionist	6561	
3012	perinatal care nurse	4412	
9414	periodic kiln operator - clay products	3413	

4412	personal support worker - home support	0651	pet grooming establishment manager
5254	personal trainer	0651	pet grooming salon manager
0122	personal trust manager	6563	pet master groomer
1114	personal trust officer	3215	PET (positron-emission tomography) technologist
6561	personal wardrobe consultant		
0112	personnel administration manager	6563	pet shop attendant
1223	personnel administrator	0621	pet store manager
1223	personnel adviser	6421	pet store salesperson
0125	personnel agency manager	2134	petrochemical engineer
0112	personnel and industrial relations director	2211	petrochemical engineering technician
0112	personnel chief	2211	petrochemical engineering technologist
1415	personnel clerk	2211	petrochemical laboratory technologist
1211	personnel clerks supervisor	2113	petrographer
0125	personnel consulting service manager	2112	petroleum chemist
0112	personnel director	0912	petroleum distribution manager
1223	personnel interviewer	2145	petroleum engineer, completion
1223	personnel management adviser	2145	petroleum engineer, drilling and recovery
0112	personnel manager	2145	petroleum engineer, production
1223	personnel officer	2145	petroleum engineer
1223	personnel recruitment officer	2212	petroleum engineering technician
1121	personnel research officer	2212	petroleum engineering technologist
1223	personnel selection officer	2253	petroleum exploration draftsman
1415	personnel services clerk	2212	petroleum field technologist
0112	personnel services director	2113	petroleum geologist
0112	personnel services manager	0212	petroleum geology department manager
1121	personnel standards officer	2212	petroleum geology technologist
1223	personnel supervisor	1225	petroleum land administrator
0112	personnel training and development manager	9613	petroleum process operator helper
		9232	petroleum process operator
0013	personnel vice-president - bank	9212	petroleum processing foreman/woman
0013	personnel vice-president - financial, communications and other business services	9212	petroleum processing shift supervisor
		2211	petroleum processing tester
0016	personnel vice-president - goods production, utilities, transportation and construction	6411	petroleum product sales representative - wholesale
0014	personnel vice-president - health, education, social and community services and membership organizations	2145	petroleum production engineer
		9232	petroleum refiner
		9613	petroleum refinery labourer
0015	personnel vice-president - trade, broadcasting and other services	9232	petroleum refinery operator
		2134	petroleum refinery process engineer
7205	pest control branch supervisor	9212	petroleum refining supervisor
7205	pest control division supervisor	0121	petroleum research manager - securities
7444	pest control operator	2211	petroleum research technologist
7444	pest control representative	2145	petroleum reservoir engineer
0651	pest control service manager	2212	petroleum technician
7444	pest control service representative	9232	petroleum unit operator
7205	pest control supervisor	2145	petroleum well completion engineer
7444	pest control technician	2113	petrologist
7444	pest control trapper	2212	petrology technician
7444	pest controller	2113	petrophysicist
7444	pest extermination representative	6563	pet-sitter
7444	pest exterminator	0651	pet-sitting service manager
7444	pest fumigator	1212	petty cash supervisor
9421	pesticide mixer	4313	petty officer first class
0651	pet care services manager	4313	petty officer second class
9461	pet food cook - food and beverage processing	2121	pharmaceutical bacteriologist
		2112	pharmaceutical chemist
6563	pet groomer		

9212	pharmaceutical compounding foreman/woman	1423	photocompositor
9232	pharmaceutical processing operator	2242	photocopier repairer
6221	pharmaceutical sales representative	2242	photocopier servicer
6221	pharmaceutical salesperson	2242	photocopy machine technician
2211	pharmaceuticals and toiletries inspector	9471	photocopy operator, colour
6222	pharmaceuticals buyer	1211	photocopy unit supervisor
2211	pharmaceuticals inspector	9471	photocopying machine tender
9212	pharmaceuticals production supervisor	2242	photoelectric sorting machine repairer
3131	pharmacist consultant	7381	photoengraved plate proof press operator - printing
3131	pharmacist	7381	photoengraved plate proof puller - printing
2112	pharmacological chemist	9472	photoengraver - printing
3114	pharmacologist, veterinary	7303	photoengravers foreman/woman
2121	pharmacologist	9472	photoengraving etcher - printing
3414	pharmacy aide	9472	photoengraving finisher
6421	pharmacy clerk	9472	photoengraving platemaker
0621	pharmacy department manager - retail	9472	photoengraving retoucher - printing
0311	pharmacy director	9474	photofinisher
0621	pharmacy manager - retail	7445	photofinishing equipment repairer
4011	pharmacy professor - university	2113	photogeologist
3414	pharmacy side room attendant	2131	photogrammetric engineer
3414	pharmacy supply assistant	2255	photogrammetric technician
3219	pharmacy technical assistant	2255	photogrammetric technologist
3219	pharmacy technician	2255	photogrammetrist
0311	pharmacy, chief of	5112	photograph conservator
0821	pheasant breeder	9474	photograph developer
8431	pheasant farm worker	9474	photograph developing inspector
9421	phenol plant extractor operator	9474	photograph enlarger
0621	philatelist	1452	photograph examiner
4169	philologist	1451	photograph filer - library
4169	philosopher	9474	photograph inspector - photographic processing
4011	philosophy professor - university	9474	photograph mounter
3212	phlebotomist	5223	photograph retoucher
3212	phlebotomy aide	5221	photographer
6564	phone agent, personal services	5223	photographic airbrush artist
3111	phoniatician	7303	photographic and film processing foreman/woman
3111	phoniatriest	7303	photographic and film processing supervisor
9421	phosphoric acid extractor	9474	photographic and film-processing machine operator
5113	photo archivist	5223	photographic colourist
2255	photo cartographer	9474	photographic enlarger operator
9474	photo developer	6421	photographic equipment and supplies salesperson - retail
9474	photo developer-printer	9537	photographic equipment assembler
9474	photo developing inspector	9537	photographic equipment assembly inspector
9474	photo lab technician	9537	photographic equipment inspector
5223	photo process letterer - graphic arts	0621	photographic equipment store manager
9474	photo processor	9474	photographic film printer
5223	photo stencil maker	9474	photographic film processor
9474	photo technician	7303	photographic lab foreman/woman
1423	photocomposer operator	9474	photographic printer
7303	photocomposer operators supervisor	7303	photographic processing and finishing foreman/woman
7303	photocomposers supervisor	9474	photographic processor
1423	photocomposing machine keyboard operator	7303	photographic processors supervisor
1423	photocomposing machine operator		
1423	photocomposing machine tender		
1423	photocomposing-perforating machine operator		
1423	photocomposition typesetter		

6411	photographic services sales representative	3142	physical therapy clinical specialist
6421	photographic studio clerk	3142	physical therapy supervisor
0621	photographic studio manager	3237	physical therapy technician
9474	photographic-film-processing machine operator	0513	physical training director
9474	photographic-processing machine operator	5254	physical training instructor
5223	photography colourist	5254	physical training leader
5112	photography museum curator	3124	physician assistant
5221	photography supervisor	3112	physician resident
9472	photogravure camera operator - printing	3111	physician, community health
5221	photojournalist	3111	physician, community medicine
1423	photomechanical composition typographer	3112	physician, community preventive medicine
5221	photomicrographer	3112	physician, company
2111	photonics physicist	3111	physician, critical care medicine
9472	photopolymer platemaker	3111	physician, emergency
9523	photoresist printer - electronic equipment manufacturing	3112	physician, family
1423	phototypesetter operator	3112	physician, general practice
1423	phototypesetter terminal operator	3232	physician, homeopathic
1423	phototypesetter	3112	physician, industrial
1423	phototypesetting machine operator	3111	physician, infectious diseases
6564	phrenologist	3111	physician, nuclear medicine
3111	physiatrist	3111	physician, occupational health
4031	physical and health education teacher - secondary school	3112	physician, preventive medicine
4169	physical anthropologist	3112	physician, primary care
2112	physical chemist	3111	physician, public health
4166	physical education co-ordinator - education	3111	physician, pulmonary medicine
0513	physical education programs director	3012	physician, sports medicine
4032	physical education teacher - elementary school	2111	physician, tropical medicine
4031	physical education teacher - secondary school	2111	physician's office nurse
4169	physical geographer	2241	physicist, elementary particles
3111	physical medicine and rehabilitation specialist	4011	physicist
2142	physical metallurgical engineer	2111	physics department electronics technologist
2115	physical metallurgist	4031	physics professor - university
2212	physical metallurgy technician	2111	physics research scientist
2212	physical metallurgy technologist	4031	physics teacher - secondary school
2114	physical meteorologist	2121	physiological biophysicist
2113	physical oceanographer	2112	physiological chemist
3237	physical rehabilitation technician	4151	physiological psychologist
3142	physical rehabilitation therapist	3111	physiologist, medical
2112	physical research chemist	3114	physiologist, veterinary
2161	physical science and engineering statistician	2121	physiologist
4031	physical science teacher - secondary school	2121	physiologist-biochemist - nuclear medicine
2241	physical sciences laboratory technician	4011	physiology professor - university
4011	physical sciences professor - university	3237	physiotherapist assistant (PTA)
0212	physical sciences program manager	3142	physiotherapist, research
9415	physical tester - steel mill	3142	physiotherapist
3237	physical therapist assistant (PTA)	3237	physiotherapy aide
3142	physical therapist, research	3237	physiotherapy assistant
3142	physical therapist	3414	physiotherapy attendant
3237	physical therapy aide	3142	physiotherapy clinical co-ordinator
3414	physical therapy attendant	3414	physiotherapy helper
3142	physical therapy clinical co-ordinator	3142	physiotherapy supervisor
		3237	physiotherapy technician
		0311	physiotherapy, chief of
		0311	physiotherapy, director of
		2121	phytobiologist
		2121	phytopathologist
		3414	phytotherapy assistant

5133	pianist	5212	picture framer - museum and art gallery
7445	piano action adjuster	6421	picture framing consultant - retail
9537	piano action assembler	9523	picture tube assembler
9537	piano action inspector-adjuster	9523	picture tube screen aluminizer
7445	piano action regulator	9523	picture tube tester - electronic equipment manufacturing
9537	piano and organ bench worker	9461	pie dough roller
9534	piano and organ finisher	9461	pie filling cooker
9534	piano and organ refinisher	9461	pie filling mixer
9537	piano assembler	9461	pie maker, machine
9537	piano assembly inspector	9616	piece hauler - textile processing
9537	piano back assembler	8421	piecworker - logging
9537	piano case assembler	8422	piecworker - silviculture
9537	piano inspector	9461	pie-making machine operator
9537	piano mechanism assembler	7302	pier foreman/woman
7445	piano repairer	9411	piercing mill operator - primary metal processing
7445	piano stringer	9411	pig caster - primary metal processing
9537	piano subassembler	9411	pig iron pourer
5133	piano teacher - private, conservatory or studio lessons	9613	pigment presser
7445	piano technician	5254	pilates instructor
7445	piano tone regulator	7611	pile driver operator's helper
7445	piano tuner	7521	pile driver winch operator
7445	piano tuner-technician	7611	pile driving chainman/woman
9523	pick and place machine operator - electronic equipment manufacturing	7371	pile driving crane operator
9616	pick remover - textile processing	7611	pile driving ground worker
9441	picker - textile manufacturing	9441	pile fabric finisher
9441	picker tender - textile manufacturing	7521	pile-driving hammer operator
8241	picker truck operator	9441	pile-finishing machine tender - textile manufacturing
9615	picker, beam press - rubber products manufacturing	7452	piler - material handling
8611	picker, fruit or vegetable	9619	piler - printing
8422	picker, seed cones	9614	piler - wood processing
9441	picking machine operator - textile manufacturing	7452	piler (except processing)
9441	picking machine tender - textile manufacturing	8616	piler, pulpwood
9411	pickle line operator - primary metal processing	9537	pill machine operator
9461	pickleman/woman - food and beverage processing	9537	pill maker operator
9461	pickler - food and beverage processing	9537	pill-coating machine operator
9441	pickler - hide and pelt processing	2271	pilot - air transport
9619	pickler and dipper, jewellery	2273	pilot - water transport
9411	pickler operator - primary metal processing	2271	pilot instructor
9612	pickler operator helper, metal	9212	pilot plant foreman/woman - chemical processing
9461	pickler, meat	2211	pilot plant technician
0911	pickling plant manager	2211	pilot plant technologist
9461	pickling solution injector - food and beverage processing	9232	pilot plant tender
9616	pick-pulling machine tender	1525	pilot services dispatcher
7452	pick-up machine operator	2271	pilot, airline
5241	pictographist	2273	pilot, harbour
9472	picture engraver - printing	2271	pilot, remote sensing
9474	picture enlarger - photographic processing	2273	pilot, ship
9532	picture frame assembler - furniture and fixtures manufacturing	9418	pin maker - metal products
		9437	pin maker - wood products manufacturing
		9418	pin maker, metal
		7311	pin setter - textile manufacturing
		5251	ping-pong player
		9442	pinning machine operator - textiles

9442	pinning machine operator	2262	pipeline equipment inspector
6722	pinsetter, bowling	9212	pipeline foreman/woman
7611	pipe aligner - pipeline construction	9232	pipeline gauger
9411	pipe and tube roll setter - primary metal processing	2262	pipeline inspector
9536	pipe coater-painter	7302	pipeline installation supervisor
9412	pipe coremaker - foundry	7611	pipeline labourer
7611	pipe doper - construction	8412	pipeline locator - oil and gas
9422	pipe extrusion machine operator - plastic manufacturing	7442	pipeline maintenance worker
9414	pipe finisher - clay products	7611	pipeline mandrel operator
9414	pipe fittings moulder - concrete products	9212	pipeline operations supervisor
9619	pipe grader	7442	pipeline patrolman/woman
7252	pipe installer, radiator	7442	pipeline rehabilitation worker
7293	pipe insulator	7535	pipeline service truck driver
9414	pipe junction maker - concrete products	2154	pipeline surveyor
7302	pipe laying contractor	2261	pipeline testing technician - non-destructive testing
7442	pipe locator - utilities	2134	pipeline transport engineer
9611	pipe maintenance worker, ore processing	7445	pipeline valve repairer
5244	pipe organ builder	7611	pipeline welder helper
7441	pipe organ erector	7237	pipeline welder
7441	pipe organ installer	7611	pipeline worker - construction
7445	pipe organ tuner and repairer	7611	pipeline-liner installer
9536	pipe spray painter	7302	pipelines construction foreman/woman
9414	pipe tester - concrete products	0912	pipelines operations manager
2261	pipe tester - non-destructive testing	9417	pipe-threading machine operator
9417	pipe threader	8411	pipeworker - underground mining
8411	pipe turner - trackman/woman	8614	pipeworker helper - underground mining
9416	pipe-bending machine operator - metal fabrication	2253	piring drafts person
7611	pipe-cleaning and covering machine operator	2132	piring engineer
7252	pipefitter - shipbuilding	9446	piring-sewing machine operator
7611	pipefitter helper - construction	2221	pisciculture bacteriological technologist
7612	pipefitter helper - shipbuilding	6313	pit boss gaming
7252	pipefitter, railway cars and locomotives	6313	pit boss, casino
7252	pipefitter, turbines	7611	pit bottom worker
7252	pipefitter, welding	9412	pit moulder - foundry
7252	pipefitter	9412	pit moulder
7203	pipefitters foreman/woman	8614	pit scaler - underground mining
7203	pipefitters supervisor	8614	pit-scaler helper
7252	pipefitter-steamfitter	6322	pizza cook
7203	pipefitting contractor	7514	pizza delivery driver
7611	pipelayer - construction	0125	placement agency manager
7611	pipelayer - drainage systems	0125	placement office manager
7611	pipelayer - irrigation	1223	placement officer - human resources
7521	pipelayer operator	2113	placer geologist
7611	pipelayer, gas - construction	5253	placing judge - racetrack
7611	pipelayer	4311	plain-clothes officer
2271	pipeline air patrol pilot	2254	plane table operator - surveying
9232	pipeline compressor station operator	9431	planer - sawmill
2264	pipeline construction inspector	9437	planer - woodworking
0711	pipeline construction manager	9437	planer feeder - woodworking
0711	pipeline construction superintendent	9436	planer grader - wood processing
7302	pipeline construction supervisor	9436	planer mill grader - wood processing
2131	pipeline engineer, civil	9431	planer mill machine operator
		9417	planer operator - metal machining
		9431	planer operator - sawmill
		9414	planer operator - stone products
		9437	planer operator - woodworking

9431	planer operator	7311	plant equipment mechanic
9417	planer set-up operator - metal machining	9212	plant foreman/woman, chemical processing
9437	planer tender - woodworking	6541	plant gatekeeper
9437	planer, lacrosse sticks - woodworking	0822	plant grower - nursery
9437	planer, shuttles - woodworking	6541	plant guard
9414	planer, stones	9618	plant labourer - fish processing
9431	planerman/woman - sawmill	2233	plant layout technician
9224	planers, turners, shapers and related wood-machining workers foreman/woman - furniture and fixtures manufacturing	7311	plant machinery maintenance mechanic
5212	planetarium interpreter	7242	plant maintenance electrician
5212	planetarium technician	9241	plant maintenance engineer, stationary
2153	planner, community recreation	0714	plant maintenance manager
1226	planner, conventions and special events	7311	plant maintenance mechanic
4165	planner, health care	7294	plant maintenance painter
1226	planner, special events	9241	plant maintenance stationary engineer
2171	planner, systems security	0714	plant maintenance superintendent
2153	planner, urban and regional	6733	plant maintenance worker
2153	planner	0132	plant manager - postal and courier services
2153	planning analyst - land use	0911	plant manager, manufacturing
0114	planning and organizational development manager	0911	plant manager, motor vehicle assembly
4165	planning consultant, health care	0911	plant manager, packaging manufacturing
4165	planning co-ordinator, district health council program	0911	plant manager, pickling
2133	planning engineer, electrical energy transmission	0911	plant manager, plastic products manufacturing
2133	planning engineer, electrical systems	0911	plant manager, printing
4165	planning officer, child health care programs	0911	plant manager, rubber products manufacturing
4164	planning officer, child-care programs	0912	plant manager, sewage treatment
4165	planning officer, health care	0911	plant manager, textile spinning
1221	planning officer	2121	plant manager
2233	planning technician	0132	plant nematologist
0013	planning vice-president - financial, communications and other business services	2121	plant operations manager - postal service
0016	planning vice-president - goods production, utilities, transportation and construction	2121	plant pathologist
0014	planning vice-president - health, education, social and community services and membership organizations	2221	plant pathology technician
0015	planning vice-president - trade, broadcasting and other services	2221	plant pathology technologist
1111	plant accountant	2121	plant physiologist
2121	plant anatomist	2121	plant population biologist
0911	plant assistant manager	2222	plant primary products inspector
2121	plant breeder	8432	plant propagator - greenhouse or nursery
2221	plant breeding technician	2222	plant protection inspector
8612	plant care worker	2121	plant scientist
7271	plant carpenter	0132	plant superintendent - postal and courier services
6733	plant cleaner	0911	plant superintendent, manufacturing
1111	plant controller	9212	plant superintendent, water treatment
1525	plant dispatcher	9212	plant supervisor, water treatment
8612	plant doctor helper	2121	plant taxonomist
2225	plant doctor	7233	plant tinsmith
2121	plant ecologist	6531	plant tour guide
7242	plant electrician	9463	plant worker, fish
2141	plant engineer	8252	planting and cultivation contractor
		8211	planting crew foreman/woman
		8255	plantscape maintenance contractor
		2225	plantscape technician
		2111	plasma physicist
		9414	plaster die maker
		7384	plaster mould maker - aircraft
		3223	plaster moulder - dentures

7384	plaster pattern maker - aircraft	9535	plastic packing fabricator
7384	plaster pattern maker	9535	plastic panelling assembler, marine craft
3414	plaster room aide	9535	plastic parts assembler
3414	plaster room attendant	9422	plastic pipe production worker
9611	plasterboard cutter - mineral products processing	9535	plastic piping fabricator
9415	plasterboard inspector - mineral products processing	9619	plastic printer helper
9611	plasterboard machine feeder - mineral products manufacturing	9471	plastic printer
9414	plasterboard machine operator	6411	plastic product sales representative - wholesale
9414	plasterboard maker, gypsum	9535	plastic products assembler
9414	plasterboard-mixing machine tender	9535	plastic products assembly repairer
7284	plasterer apprentice	9535	plastic products buffer
7205	plasterer foreman/woman	9535	plastic products fabricator
7611	plasterer helper	9535	plastic products finisher
7284	plasterer, finish	9535	plastic products former
7284	plasterer, fireproofing	9214	plastic products inspection supervisor
7284	plasterer, moulding	9535	plastic products inspector and tester
7284	plasterer, stucco	9535	plastic products inspector
7284	plasterer	9214	plastic products inspectors supervisor
7205	plasterer-contractor	9535	plastic products laminator
7284	plasterer-decorator	9535	plastic products manufacturing inspector
7205	plastering and drywall application contractor	9615	plastic products manufacturing labourer
7205	plastering and drywalling contractor	9214	plastic products manufacturing supervisor
7205	plastering contractor	9535	plastic products trimmer
7205	plastering supervisor	9535	plastic products vacuum-forming machine tender
9535	plastic and composite worker	0911	plastic products-manufacturing plant manager
9522	plastic and painted panels inspector - motor vehicle manufacturing	9535	plastic reproduction layup worker
9535	plastic ankle piece moulder	9535	plastic sheet finisher
5136	plastic arts artist	7381	plastic sheet offset press operator
9422	plastic bag machine operator	9535	plastic sign trimmer and assembler
9422	plastic bag maker operator	3111	plastic surgeon
9535	plastic bottle trimmer	3111	plastic surgery specialist
9535	plastic box maker	9535	plastic tank assembler
9535	plastic case assembler	9535	plastic template builder
9535	plastic casket maker	9535	plastic toy assembler
9422	plastic centrifugal caster	9422	plastic windshield processor
9422	plastic coagulation operator	9422	plasticator operator
9422	plastic coagulator	9422	plastic-extrusion operator
9535	plastic coating fabricator	9422	plastic-fibre-extruding machine tender
9422	plastic compounder	9422	plastic-film extrusion machine operator
9535	plastic cutter	9619	plastic-packing machine tender
9422	plastic extruder operator	9422	plastic-pipe production machine operator
9422	plastic film roll inspector	9422	plastic-pipe-extruder operator
9422	plastic footwear moulder operator	9422	plastics and plastic products compounder
7293	plastic insulation applicator	2112	plastics and resins chemist
9437	plastic laminator - wood furniture manufacturing	2211	plastics and synthetic resins technician
9422	plastic mannequin moulder - plastic manufacturing	9535	plastics assembler
9535	plastic material reeler and cutter	9535	plastics cementer
9422	plastic mixer operator	9535	plastics cutter
9422	plastic mould setter	2134	plastics engineer
9422	plastic moulder, compression	9535	plastics inspector
9422	plastic moulder, injection	9422	plastics laminator - plastic manufacturing
		2233	plastics machine operator
		9619	plastics manufacturing technician
			plastics masker

9422	plastics moulder	7235	plater
2233	plastics moulding technician	7303	plateroom supervisor - printing
9421	plastics pelletizer	7235	plater-welder
9422	plastics press operator	7235	platework fabricator and fitter
9422	plastics processing compounder	7235	platework fabricator
9214	plastics shop foreman/woman	7201	platework fabricators foreman/woman
9422	plastics strainer operator	7235	platework fitter
2233	plastics technician	5125	platform interpreter, sign language
9535	plastics trimmer	8222	platform superintendent - oil and gas drilling
9422	plastics-blending machine tender	9612	plating room helper
9422	plastics-moulding machine operator	9536	plating tank operator
9422	plastics-moulding machine setter	4312	platoon chief, fire department
9422	plastic-spreading machine operator	4153	play therapist
7311	plastics-processing equipment mechanic	5225	playback operator
9422	plastics-processing machine setter	5254	playground leader
9214	plastics-processing shop supervisor	7621	playground maintenance man/woman
9416	plate burner - metal fabrication	5254	playground worker
9535	plate changer - plastic manufacturing	5121	playwright
1411	plate filing clerk	0621	pleasure boat dealer
9472	plate finisher - printing	6741	pleat finisher - laundry and dry cleaning
7611	plate fitter helper - construction	6741	pleat presser - laundry and dry cleaning
9527	plate former, lead acid storage battery - electrical equipment manufacturing	9441	pleater - textile manufacturing
7292	plate glass installer	9537	pleater, hand - garment manufacturing
9472	plate grainer - printing	9537	pleating machine tender - garment manufacturing
9612	plate grinder - metal products manufacturing	9535	Plexiglas assembler
9472	plate processor - printing	9535	Plexiglas former
9472	plate processor operator - printing	9421	plodder operator
9411	plate roller - primary metal processing	9461	plug maker - tobacco processing
9411	plate rolling mill operator - primary metal processing	9461	plug moulder, machine - tobacco processing
7235	plate shaper, structural steel	9461	plug-cutting machine tender - tobacco processing
9416	plate shear operator - metal fabrication	9611	plugger - primary metal processing
7201	plate shop foreman/woman	7251	plumber - pipefitting
9612	plate worker helper - metal products manufacturing	7251	plumber apprentice
9472	plate-graining machine tender	7203	plumber foreman/woman
9472	platemaker - printing	7611	plumber helper
9472	platemaker	7251	plumber, maintenance and repair
7303	platemakers supervisor	7251	plumber, (non-construction) maintenance and repair
9472	platemaking etcher	7251	plumber, residential construction
7303	platemaking supervisor - printing	7251	plumber
9435	platen press operator - paper converting	7203	plumbers supervisor
7381	platen press operator - printing	7203	plumbing and heating contractor
9473	platen press operator, die cutting	6221	plumbing and heating services sales representative
9473	platen press operator, foil stamping	7203	plumbing contractor
7381	platen press tender	2234	plumbing estimator - construction
9527	plate-parting machine operator - electrical equipment manufacturing	2264	plumbing inspector
6344	plater - jewellery manufacturing	7251	plumbing installer
7235	plater - shipbuilding	7251	plumbing mechanic
9612	plater helper - metal fabrication	9423	ply assembler - rubber
9612	plater helper	9423	ply splicer - rubber products manufacturing
7235	plater, bridges and girders	9436	plywood and veneer matcher - wood processing
7235	plater, structural metal and platework	9434	plywood and veneer patcher and repairer
9523	plater, vacuum evaporation process - electronic equipment manufacturing	9614	plywood and veneer plant labourer

9531	plywood boat veneer layer	4311	police diver - salvage
9434	plywood bundler	4311	police diver
9614	plywood dryer feeder	0431	police force inspector
9436	plywood grader - wood processing	0431	police inspector
9436	plywood grader	4021	police instructor
9436	plywood inspector - wood processing	4311	police investigator
9436	plywood inspector	0431	police lieutenant
9215	plywood making foreman/woman	4311	police officer
9434	plywood panel assembler	5221	police photographer
9434	plywood panel groover operator - wood processing	4311	police sergeant
9434	plywood patcher, machine	0431	police staff inspector
9434	plywood patcher	1411	police station clerk
9434	plywood press operator	0431	police superintendent
9434	plywood-sizing saw tender - wood processing	3111	police surgeon
7611	pneumatic drill operator - construction	4311	policeman/woman
7611	pneumatic hammer operator - construction	4164	policy analyst, child welfare
7445	pneumatic tool repairer	4166	policy analyst, education
7445	pneumatic tube repairer	4164	policy analyst, housing
7445	pneumatic unit tester and repairer	4164	policy analyst, immigration
3111	pneumologist	4161	policy analyst, natural and applied sciences
9471	pochoir silk-screen printing machine operator	4167	policy analyst, recreation, sports or fitness
9619	pocket marker - garment manufacturing	4164	policy analyst, status of women's directorate
9446	pocket setter	0413	policy and planning director - education programs
9418	pocketed spring machine tender	1434	policy change clerk - insurance
9619	pocket-folding machine feeder-loader - printing	1434	policy clerk - insurance
0311	podiatric clinic manager	4164	policy consultant, correction services
3125	podiatrist	4166	policy consultant, education
5121	poet	4164	policy consultant, employment equity
1122	point of sale system manager	4164	policy consultant, labour mobility
9411	pointer operator - primary metal processing	4164	policy consultant, women's employment
6533	poker croupier	4165	policy development officer, health
5251	poker player	4165	policy development officer, nursing homes
5244	poker-work artisan	1434	policy information clerk - insurance
8421	pole cutter	4166	policy officer, education
7452	pole distributor operator	4164	policy officer, labour
9437	pole framer - wood products	4164	policy officer, visible minorities
9436	pole inspector - wood processing	9414	polisher - concrete, clay and stone products
9414	pole maker, concrete - concrete products manufacturing	9441	polisher - textile fibre
9525	pole shoe assembler - industrial electrical equipment	9612	polisher and buffer, sheet metal
7452	pole stacker operator	9414	polisher, cement
9441	poler - textile manufacturing	9414	polisher, clay products
9615	pole-up man/woman - rubber products manufacturing	9537	polisher, eyeglass frames
4311	police cadet	9534	polisher, furniture - furniture finishing
0431	police captain	9414	polisher, granite products
0431	police chief - regional operations	9537	polisher, jewellery
0431	police chief	9414	polisher, pottery and porcelain
4021	police college teacher	9537	polisher, precision optical lenses - non-prescription
4311	police constable, railway	9423	polisher, rubber products
4311	police constable	9619	polisher, shoe manufacturing
4311	police corporal	9612	polisher, slide fasteners - metal products manufacturing
1525	police department dispatcher	9537	polisher, spectacle frames
		9414	polisher, stone products
		9534	polisher, wooden furniture - furniture finishing
		9418	polishing machine operator - metal products

9535	polishing machine operator - plastic manufacturing	8252	pork production technician apprentice
3414	polishing pad moulder	8252	pork production technician
5123	political analyst - radio or television	0731	port captain - water transport
5241	political caricaturist	0714	port director
5241	political cartoonist	6721	port redcap
5123	political columnist	2154	port surveyor
4169	political geographer	7332	portable appliance repairman/woman
4169	political historian	9414	portable diamond drill and saw operator
0014	political organization general manager	7332	portable electric household appliance repairer
0423	political organization manager	9524	portable electrical appliance assembler
4164	political organizer	9437	portable machine sander tender - woodworking
0014	political party president	9437	portable sawer - woodworking
5123	political reporter	7237	portable spot welder
4011	political science professor - university	6721	porter, baggage
4169	political scientist	6721	porter, facilities
4169	politician	6721	porter, sleeping car
1454	poll clerk	1112	portfolio manager
4164	pollster	5136	portrait painter
2131	pollution control engineer	5221	portrait photographer
2263	pollution control inspector	1121	position classifier
2231	pollution control technician	3215	positron-emission tomography (PET) technologist
6541	polygraph examiner	8421	post cutter
6541	polygraph operator	7611	post hole driller
6541	polygraphist	1511	post office clerk
2112	polymer chemist	0132	post office manager
2134	polymer engineer	0132	postal area manager
9232	polymerization kettle operator	1512	postal carrier
9232	polymerization unit operator	1511	postal clerk
2211	polymers tester	1214	postal clerks supervisor
3214	polysomnographic technologist	1511	postal counter clerk
8211	pond foreman/woman	6541	postal inspection officer
8616	pondman/woman	1512	postal service deliverer
6722	pony ride operator	6541	postal service inspector
4167	pool activities co-ordinator	6411	postal services commercial sales representative
7205	pool and patio contractor	1511	postal services wicket clerk
5254	pool co-ordinator - recreation	1214	postal station employees supervisor
7441	pool equipment installer	0132	postal station superintendent
7441	pool installer, vinyl	1214	postal station supervisor
5254	pool lifeguard	1511	postal wicket clerk
6722	pool parlour attendant	1512	postal worker
6316	pool parlour supervisor	1214	postal workers supervisor
7441	pool service routeman/woman	0132	postal zone facilities manager
7441	pool servicer	0132	postal zone manager
5133	pop singer	4011	postdoctoral fellow
9461	popcorn candy maker	5241	poster artist
9617	popcorn maker - food and beverage processing	5223	poster layout designer
6711	popcorn vendor	5223	poster painter
2121	population geneticist	1512	postman/woman
9414	porcelain and earthenware presser, hand - clay products	1214	postmaster/mistress
9611	porcelain glazer - mineral products manufacturing	3414	post-mortem attendant
9619	porcelain products cleaner	5225	postproduction technician
6331	pork cutter - retail or wholesale	4012	post-secondary research assistant
9465	pork grader	4012	post-secondary teaching assistant

4217	postulant	9462	poultry plucker tender
8262	pot fisherman/woman	9462	poultry plucker
9411	pot liner - metal processing	9462	poultry preparer
9211	pot room foreman/woman - primary metal and mineral products processing	9213	poultry preparers foreman/woman
9211	pot room foreman/woman - primary metal processing	0821	poultry producer
9411	pot tender - primary metal processing	2121	poultry scientist
6711	pot washer	9462	poultry slaughterer - food and beverage processing
8231	potash miner	2221	poultry technician
9461	potato chip machine operator	2221	poultry technologist
9617	potato chip sorter	3114	poultry veterinarian
0821	potato farmer	9462	poultry worker - meat packing plant
0821	potato grower	8431	poultry yard cleaner
0821	potato producer	8252	poultry-hatching services contractor
9617	potato-peeling machine tender	9537	pouncer - hat manufacturing
9611	potlining mixer helper - primary metal processing	6563	pound animal attendant
5244	potter	6563	pound attendant
9414	pottery and porcelain chipper	8262	pound net fisherman/woman
9414	pottery and porcelain former - clay products	4423	pound officer
9414	pottery and porcelain grinder	9411	pourer - metal processing
9414	pottery and porcelain polisher	9611	pourer helper, metal - primary metal processing
9414	pottery and porcelain presser	4164	poverty researcher
9414	pottery and porcelain sagger maker	9421	powder blender
9414	pottery and porcelain sander	8614	powder carrier - underground mining
9414	pottery and porcelain turner - clay products	1522	powder keeper
9414	pottery and porcelain ware caster	9611	powdered metal mixer - primary metal processing
9415	pottery and porcelain ware inspector	9611	powdered metal salvager - primary metal processing
5243	pottery designer	9461	powdered milk dryer operator
9414	pottery dryer - clay products	8231	powderman/woman - underground mining
9414	pottery model maker	9416	power brake operator - metal fabrication
9414	pottery mould maker	7533	power cable ferry operator
9414	pottery trimmer	7612	power cable system installer helper
9461	pouch line operator - food processing	9241	power control room operator - electrical power systems
9462	poultry boner	7371	power crane operator
0821	poultry breeder - egg production	7611	power curber tender
0821	poultry breeder	9241	power dispatcher - electrical power systems
9462	poultry butcher - meat packing plant	9241	power dispatcher - generating station
9617	poultry cooler worker - food and beverage processing	9241	power dispatcher
9462	poultry dresser	7243	power electrician
9213	poultry eviscerating foreman/woman	9241	power engineer apprentice
9462	poultry eviscerator	9212	power engineer foreman/woman
8252	poultry farm foreman/woman	9241	power engineer, first class
8431	poultry farm labourer	9241	power engineer, fourth class
0821	poultry farm manager	9241	power engineer, second class
8431	poultry farm worker	9241	power engineer, third class
8252	poultry farm workers foreman/woman	9241	power engineer
0821	poultry farmer - egg production	2232	power equipment design technician
9465	poultry grader	2132	power generation engineer
9213	poultry graders foreman/woman	7521	power grader operator
9213	poultry graders supervisor	9612	power hammer helper - metal fabrication
9462	poultry hanger	9416	power hammer operator - metal forging
2222	poultry inspector	9526	power lawn mower assembler
8252	poultry operation supervisor	2271	power line air patrol pilot
9617	poultry packager		

7202	power line and cable workers foreman/woman	7522	power sweeper operator - public works
7244	power line lineman/woman, electrical	9232	power switchboard operator - chemical
7244	power line maintainer - electric power systems	9241	power switchboard operator - electrical power systems
7202	power line maintenance workers front line supervisor	9241	power switchboard operator apprentice - electrical power systems
7244	power line patroller	7243	power system electrician
7202	power line repair foreman/woman	7202	power system electricians supervisor
7244	power line repairer - electric power systems	9241	power system operator - offshore drilling
7202	power line repairers foreman/woman	9241	power system operator
7202	power line service foreman/woman	7202	power systems electricians supervisor
7202	power line technician foreman/woman	7332	power tool repairer
7244	power lineman/woman - electricity production and transmission	9525	power transformer assembler
7244	power lineman/woman	9525	power transformer core builder
7202	power linemen/women and cable installers supervisor	7333	power transformer repairer
9442	power loom weaver	7333	power transformer repairman/woman
9521	power plant assembler - aircraft assembly	9226	power transmission assembly foreman/woman
9212	power plant chief substation operator	7452	power truck driver - material handling
2132	power plant engineer	7612	powered-machine or towed-machine repairer helper - construction
9212	power plant foreman/woman	7243	powerhouse electrician - electrical power system
9521	power plant installation mechanic - aircraft assembly	7612	powerhouse electrician helper
9521	power plant mechanic - aircraft assembly	9613	powerhouse helper
7315	power plant mechanic, aircraft	7311	powerhouse machinery mechanic
9241	power plant operator - electrical power systems	7612	powerhouse mechanical repairer helper
9241	power plant operator	7612	powerhouse oiler
9241	power plant stationary engineer	9241	powerhouse operator
7522	power pole inspector	7244	powerline technician
9416	power press operator - metal fabrication	8412	power-tong operator
9416	power press operator - metal products manufacturing	4031	practical and applied arts teacher
9416	power press operator	3232	practitioner, Chinese medicine
9416	power press set-up operator - metal fabrication	3231	practitioner, contact lenses
9241	power reactor operator - electrical power systems	3112	practitioner, general
9437	power saw operator - woodworking	3232	practitioner, herb
9537	power screwdriver operator	3232	practitioner, herbal
9416	power shear operator - metal fabrication	3232	practitioner, herbology
9416	power shear tender - metal fabrication	3232	practitioner, holistic
7312	power shovel mechanic	3232	practitioner, homeopathic
7611	power shovel operator helper	8262	prawn fisherman/woman
7521	power shovel operator	4154	preacher
9526	power snowblower assembler	9526	preassembler, clutches
7243	power station electrician - electrical power system	6541	preboarding security guard
7243	power station electrician	7611	precast concrete caulker
9241	power station operator - electrical power systems	7236	precast concrete erector
9212	power station operators foreman/woman	7282	precast concrete finisher
9212	power station shift supervisor	9414	precast concrete moulder
9212	power station supervisor	9414	precast concrete slab maker
9241	power substation operator	9211	precast concrete working foreman/woman
		9414	precast terrazzo maker
		2212	precious metal assayer
		9411	precious metal recoverer
		0431	precious metals theft inspector - police
		6344	precious stone setter
		9611	precipitator helper - primary metal processing

9421	precipitator operator - chemical processing	9522	preparer, new passenger cars - motor vehicle manufacturing
9411	precipitator tender - primary metal processing	9619	preparer, parachutes
9417	precision grinder operator - metal machining	9463	preparer, seafood - fish and seafood processing
9417	precision grinder set-up operator - metal machining	1221	prepress planner - publishing
9417	precision grinder set-up operator	7303	prepress supervisor - printing
9417	precision honing machine operator - metal machining	9472	prepress technician
9523	precision instrument assembler - electronic equipment manufacturing	7303	prepress workers supervisor
9537	precision instrument assembly inspector	9472	preprint-coating machine tender
7201	precision instrument machine shop foreman/woman	1423	preproduction operator
2243	precision instrument mechanic	4153	preretirement counsellor
2244	precision instrument technician - avionics	4154	presbyter
9417	precision lapper - metal machining	4214	preschool helper
9417	precision lathe operator - metal machining	4214	preschool supervisor
9537	precision lens edger - non-prescription	5226	presentation co-ordinator - broadcasting
9537	precision lens grinder - non-prescription	9447	preshrinking process tester - textiles
9537	precision lens polisher - non-prescription	0013	president - financial, communications and other business services
7231	precision machinist	0016	president - goods production, utilities, transportation and construction
7233	precision sheet metal fabricator	0012	president - government services
7233	precision sheet metal mechanic	0014	president - health, education, social and community services and membership organizations
7233	precision sheet metal worker		
2131	precision survey engineer	0015	president - trade, broadcasting and other services
7232	precision tool maker	0013	president and chief executive officer - financial, communications and other business services
7237	precision welder		
8422	precommercial tree thinner	0015	president and director - trade, broadcasting and other services
9461	precooked sausage maker	0014	president and general manager - health, education, social and community services and membership organizations
9533	prefab housing assembler, wood	0015	president and general manager - trade, broadcasting and other services
9533	prefab housing assembler		
7271	prefabricated house carpenter	0014	president, academic association
9533	prefabricated housing assembler	0013	president, advertising agency
9533	prefabricated housing production worker, wood	0014	president, business association
9227	prefabricated joinery assemblers foreman/woman - wood products manufacturing	0014	president, computing service company
9227	prefabricated joinery assembly supervisor	0014	president, cultural association
7315	preflight mechanic, mechanical systems	0015	president, department store
7315	preflight mechanic	0014	president, ethnic association
9472	pre-flight operator - printing	0014	president, health care association
9422	preform machine tender - plastic manufacturing	0014	president, labour organization
7611	preheater tender - pipelines	0014	president, music guild
1221	preliminary press planner	0014	president, political party
0011	premier	0016	president, residential construction company
1434	premium rater - insurance	0014	president, sports association
9536	prep line attendant - bulk galvanizing	5253	presiding steward - racetrack
9217	preparation department foreman/woman - textiles	1123	press agent, public relations
6345	preparation upholsterer	1123	press agent
5212	preparator	9619	press assistant, reel replacer
7303	preparatory supervisor - printing	9416	press brake operator - metal products manufacturing
9441	prepared hide and pelt dresser	9416	press brake operator
9442	preparer, harnesses - textiles		

1452	press clipper	9414	pressman/woman, flowerpots - clay products
9619	press helper - printing	7381	pressman/woman, ink evaluation - printing
9423	press line operator - rubber products manufacturing	9423	pressman/woman, moulding - rubber products manufacturing
9527	press operator - electrical equipment manufacturing	9433	pressman/woman, pulp - pulp and paper
9461	press operator - food and beverage processing	9619	pressroom floor attendant - printing
9422	press operator - plastic manufacturing	7303	pressroom foreman/woman - printing
7381	press operator - printing	7303	pressroom supervisor - printing
9423	press operator - rubber products manufacturing	9615	pressroom worker, tires and inner tubes - rubber products manufacturing
9461	press operator - tobacco processing	9521	pressure compartment sealer and tester - aircraft assembly
9411	press operator, anodes	7445	pressure control calibrator
9414	press operator, ceramic tiles - concrete products	9461	pressure cooker operator - food and beverage processing
9414	press operator, clay	9537	pressure switch inspector
9473	press operator, die-cutting or die-numbering - printing	9537	pressure switch tester
9473	press operator, embossing - printing	2261	pressure tank tester
9434	press operator, hardboard - wood processing	7234	pressure vessel boilermaker
7381	press operator, ink evaluation - printing	7234	pressure vessel fabricator
9422	press operator, plastics	2261	pressure vessel tester
9537	press operator, skates	7237	pressure vessel welder
9471	press operator, transfer	9422	pressure-sensitive coater operator - plastic manufacturing
7303	press operators supervisor, printing	9461	pressurized container filler
9619	press paper feeder - printing	5232	prestidigitator
1452	press reader	2264	pre-stressed concrete inspector
5123	press reporter	9461	pretzel baker - food and beverage processing
1123	press secretary, public relations	4165	prevention officer - occupational health and safety
1123	press secretary	3411	preventive dental assistant
7303	press supervisor - printing	7311	preventive maintenance mechanic technician
9527	press tender - electrical equipment manufacturing	3111	preventive medicine physician
9416	press tender - pierce and shave	3111	preventive medicine specialist
9421	press tender, dehydrating - chemical processing	3114	preventive medicine veterinarian
9442	press tender, felt - textiles	6622	price checker - grocery store
9434	press tender, insulation board	6622	price clerk - retail
9537	press tender, pellets - explosives manufacturing	4162	price economist
9461	presser - food and beverage processing	6552	price information clerk
6741	presser - laundry and dry cleaning	1211	price information clerks supervisor
9423	presser - rubber products manufacturing	1122	price management analyst
9441	presser and threader - textile manufacturing	6622	price marker - supermarket
5244	presser, artificial flowers	6211	price marker supervisor - retail
9414	presser, bricks - clay products	4154	priest
9619	presser, pencil blanks	3012	primary care nurse
9414	presser, pottery and porcelain	3234	primary care paramedic
9423	presser, rubber flaps	3112	primary care physician
9535	presser, upholstery - plastic manufacturing	6221	primary grain elevator agent
9441	presser-threader - textile manufacturing	6221	primary grain elevator manager
9619	pressing machine feeder - garment manufacturing	6221	primary grain elevator operator
6741	pressing machine tender - laundry and dry cleaning	3124	primary health care nurse practitioner
7381	pressman/woman - printing	9211	primary metal and mineral products processing foreman/woman
		9211	primary metal and mineral products processing supervisor
		9611	primary metal processing labourer

3012	primary nurse	7303	printers supervisor
2222	primary products inspector, animals	9471	printer-slotter operator
4032	primary school teacher	9471	printer-slotter tender
0011	prime minister	9472	printing cylinder engraver
9536	primer sprayer	9226	printing equipment assembly foreman/woman
8431	primer, tobacco	7301	printing machine mechanics foreman/woman
9537	primer-inserting machine tender	9471	printing machine operator - printing
0414	principal clerk of legislative committees	9441	printing machine operator - textile manufacturing
0414	Principal Clerk of the House of Commons	7301	printing machine repair foreman/woman
0414	Principal Clerk of the Legislative Assembly	7301	printing machine repairers foreman/woman
2234	principal estimator - construction	7311	printing machinery mechanic
0421	principal, business school	6221	printing machinery sales representative
0422	principal	6221	printing management technician
9536	print applier - production	0911	printing manager
9421	print colour mixer	9441	printing operator - textile manufacturing
9474	print developer	0911	printing plant manager
9474	print finisher - photographic processing	9472	printing plate engraver
9474	print inspector - photographic processing	9472	printing plate moulder
9474	print retoucher - photographic processing	9472	printing plate presensitizer tender
9472	print roller repairer	1524	printing plates order clerk
9474	print tender - photographic processing	7301	printing press and machine mechanics foreman/woman
9472	print transferrer - printing	7381	printing press assistant operator
9523	printed circuit board (PCB) assembler	9619	printing press feeder
9523	printed circuit board (PCB) assembly inspector	7231	printing press machinist
9523	printed circuit board (PCB) assembly machine operator - electronic equipment manufacturing	7381	printing press operator
9523	printed circuit board (PCB) assembly machine operator	7303	printing press operators supervisor
9523	printed circuit board (PCB) etcher	9422	printing roller moulder - plastic manufacturing
9222	printed circuit board (PCB) fabrication foreman/woman - electronic equipment manufacturing	6411	printing services sales representative
9523	printed circuit board (PCB) fabrication inspector	7303	printing shop foreman/woman
9523	printed circuit board (PCB) fabrication machine operator	7303	printing supervisor
9222	printed circuit board (PCB) fabrication supervisor - electronic equipment manufacturing	6221	printing supplies salesperson
9523	printed circuit board (PCB) in-circuit machine -and repairing-machine operator	7381	printing technologist
9523	printed circuit board (PCB) in-circuit test machine and repair operator	4021	printing technology teacher - CEGEP
9523	printed circuit board (PCB) inspector and tester - electronic equipment manufacturing	9417	printing-roller finisher
9523	printed circuit board (PCB) inspector	9417	printing-roller grinder
9619	printer helper, wallpapers	9417	printing-roller polisher
9471	printer operator - printing	5136	printmaker - visual arts
7301	printer repairers foreman/woman	5136	printmaking teacher
9471	printer, boxes, cases and linings	1512	priority post carrier
9474	printer, motion picture film	9537	prism maker operator
9474	printer, photographic films	9537	prism maker
9474	printer, photographs	4422	prison guard
7381	printer	4422	prison officer
7303	printers foreman/woman	0423	prison warden
		1221	privacy officer
		4421	private bailiff
		7246	private branch exchange (PBX) and private automatic branch exchange (PABX) inspector - telecommunications
		7246	private branch exchange (PBX) and private automatic branch exchange (PABX) installer - telecommunications

7246	private branch exchange (PBX) and private automatic branch exchange (PABX) installer and repairer - telecommunications	2133	process instrumentation engineer
7246	private branch exchange (PBX) and private automatic branch exchange (PABX) repairer - telecommunications	9461	process operator - food and beverage processing
7246	private branch exchange (PBX) inspector - telecommunications	9231	process operator - primary metal and mineral products processing
7246	private branch exchange (PBX) installer - telecommunications	9231	process operator - zinc pressure leach
7246	private branch exchange (PBX) installer	9243	process operator, liquid waste
7246	private branch exchange (PBX) repairer - telecommunications	2253	process piping draftsman
3012	private care nurse	9527	process room operator, dry battery - electrical equipment manufacturing
7513	private chauffeur	4421	process server
6541	private detective	9232	process technician - chemical processing
3012	private duty nurse	9523	process technician - electronic equipment manufacturing
0125	private investigation and security service manager	9243	process technician, water treatment plant
6541	private investigator	9523	process tester - electronic equipment manufacturing
6541	private investigators supervisor	9433	processed paper rewinder
2122	private lands forester	1423	processing and output compositor
6541	private police agents and investigators supervisor	7301	processing and packaging equipment maintenance foreman/woman
6541	private policemen/women and investigators supervisor	7301	processing and packaging equipment maintenance supervisor
3132	private practice dietitian	9619	processing equipment cleaner
0422	private primary college principal	9232	processing laboratory operator
4313	private recruit	9232	processing operator - chemical processing
0422	private school headmaster/mistress	7311	processing plant mechanic
0422	private school principal	9243	processing plant operator, liquid waste
1241	private secretary	9463	processing plant worker, fish
6541	private security officer	9524	process-inspector and tester - electrical equipment manufacturing
4031	private teacher - secondary school	9472	processor - printing
0421	private vocational school director	9474	processor, films
4313	private	9474	processor, photographic film
5251	prize fighter	9232	processor, sterile products - chemical processing
4111	probate court judge	3111	proctologist
4155	probation and parole officer	4212	proctor, mental health
4155	probation officer	1524	procurement clerk
9411	process assistant - zinc pressure leach	0113	procurement director
9472	process camera operator	0113	procurement manager
9461	process cheese cooker	1225	procurement officer
9461	process cheese formulator	0113	procurement operations director
9465	process control checker - food and beverage processing	6222	produce buyer
2112	process control chemist	6622	produce clerk, supermarket
2134	process control engineer, chemical	6622	produce clerk
2133	process control engineer, electrical	6211	produce department supervisor
2243	process control equipment mechanic	9465	produce grader - food and beverage processing
2243	process control equipment repairer	2222	produce inspector
9461	process control operator - food and beverage processing	0621	produce manager - retail
9232	process control system operator	1521	produce shipper
2134	process engineer, petroleum refinery	5131	producer - performing arts
9523	process inspector - electronic equipment manufacturing	5131	producer, broadcasting
		5131	producer, motion picture
		0821	producer, poultry
		5131	producer, stage

5131	producer-director	7301	production equipment maintenance mechanic supervisor
2252	product designer		production examiner
9532	product inspector - furniture manufacturing	1312	production expeditor
9536	product lacquer-sprayer	1523	production foreman/woman - electronics manufacturing
1123	product manager - marketing	9222	production foreman/woman - fabric, fur and leather products manufacturing
0601	product manager	9217	production foreman/woman - fur products manufacturing
9619	product marker	9217	production foreman/woman - mining and quarrying
9536	product painter	8221	production gear cutter
9536	product spray painter	9417	production general manager - goods production, utilities, transportation and construction
9536	product stainer	0016	production grinder - metal machining
9536	product surface preparer and prefinisher	9417	production grinder operator - metal machining
9465	product tester - food and beverage processing	9417	production head
9537	product trimmer	0911	production helper - food and beverage processing
1111	production accountant	9617	production helper - metal coating
1523	production agent	9611	production helper - primary metal and mineral products processing
9536	production and control operator, paint and mix	9617	production helper
2233	production and quality control technologist	7237	production induction brazier
9524	production assembler - electrical equipment manufacturing	9617	production labourer - food processing
9524	production assembler, electrical appliances	9417	production lapping machine operator
9524	production assembler, electrical equipment	9417	production lapping machine tender
5227	production assistant - motion pictures and broadcasting	9417	production lathe operator - metal machining
5227	production assistant	9527	production line battery repairer - electrical equipment manufacturing
9417	production borer - metal machining	9221	production line foreman/woman - motor vehicle manufacturing
9417	production boring machine operator - metal machining	9527	production line setter and servicer - electrical equipment manufacturing
9417	production broaching machine operator - metal machining	7237	production line solderer
9417	production broaching machine tender - metal machining	7237	production line spot welder
9536	production brush painter	9527	production line storage battery repairer - electrical equipment manufacturing
0911	production chief	7237	production line welder
1523	production clerk	8231	production loader operator
1215	production clerks supervisor	9527	production machine operator - electrical equipment manufacturing
9536	production coating machine operator	9422	production machine operator, plastic bags
1523	production control clerk	9422	production machine operator, plastic pipes
0132	production control manager - postal service	9527	production machine set-up operator - electrical appliance and equipment manufacturing
2233	production control technologist	7201	production machine shop foreman/woman
1523	production controller	9417	production machine tool operator
5226	production co-ordinator - motion pictures, broadcasting and performing arts	7301	production machinery maintenance foreman/woman
5226	production co-ordinator - radiobroadcasting	7301	production machinery maintenance mechanic supervisor
1523	production co-ordinator		
9615	production day labourer - tire industry		
5131	production designer - motion pictures, broadcasting and performing arts		
5131	production director - motion picture		
8231	production driller		
5122	production editor		
9536	production electroplater		
2145	production engineer, oil and gas		
2141	production engineer		
0211	production engineering manager		
7316	production equipment fitter		

7311	production machinery maintenance mechanic	8211	production supervisor - logging
7301	production machinery maintenance mechanics foreman/woman	7303	production supervisor - printing
7311	production machinery mechanic	6316	production supervisor, dry cleaning
0811	production manager - coal mining	9212	production supervisor, pharmaceuticals
0911	production manager - manufacturing	9212	production supervisor, specialty chemicals
0911	production manager - printing	2241	production support technician - electronics manufacturing
0131	production manager - telecommunications	2241	production support technician, electronics
0911	production manager, automobile interior fittings	5224	production switcher
0811	production manager, oil and gas fields	5226	production technician - motion pictures, broadcasting and performing arts
0911	production manager, railway cars	2233	production technologist - sawmill
0911	production manager, railway rolling stock	9523	production tester - electronic equipment manufacturing
1523	production material estimator	9527	production tester, lead acid electrical battery
7311	production mechanic	8232	production testing operator - oil and gas well drilling
9417	production metal grinder operator	7311	production tooling maintenance mechanic
9417	production milling machine operator - metal machining	9536	production touch-up painter
8231	production miner	8412	production tubing operator - oil field services
9417	production multiple-spindle screw machine set-up operator	6345	production upholsterer
1523	production officer	9619	production weigher
0911	production operations manager	7237	production welder
9232	production operator - chemical processing	9532	production worker - furniture manufacturing
9523	production operator - electronic equipment manufacturing	9422	production worker, plastic pipes
9522	production operator - motor vehicle manufacturing	9533	production worker, wooden manufactured homes
9423	production operator - rubber products manufacturing	9533	production worker, wooden manufactured housing
9522	production operator, body - motor vehicle manufacturing	1225	production worker, wooden prefabricated housing
9536	production operator, paint	2123	products administrator
9522	production operator, trim and final - motor vehicle manufacturing	5251	professional agrologist (P.Ag.)
9619	production painter helper	0513	professional athlete
9536	production painter, final colours	5251	professional athletes team manager
9536	production painter	0411	professional boxer
9536	production painter-finisher	0411	professional development and employment district director - government services
0911	production planner	0411	professional development director - government services
1215	production planning clerks supervisor	3132	professional dietitian (P.Dt.)
0911	production planning co-ordinator	3132	professional dietitian, registered
0911	production planning manager	2133	professional engineer, broadcasting
2233	production planning technician	2234	professional estimator - construction
2241	production repairer, electronics	0513	professional football team manager
9535	production repairer, foam cushions - plastic products manufacturing	2122	professional forester
1523	production scheduler	5254	professional golf instructor
0911	production senior co-ordinator	0513	professional hockey team manager
5225	production sound recordist	6561	professional image consultant
7237	production spot welder	5254	professional instructor, golf
0911	production superintendent	5254	professional instructor, tennis
9222	production supervisor - electronics manufacturing	2154	professional land surveyor
9213	production supervisor - food and beverage processing	3132	professional nutritionist
		5251	professional pool player
		2234	professional quantity surveyor
		0125	professional services manager - business services

0513	professional sport team general manager	4161	program officer, energy
0513	professional sport team manager	4161	program officer, fisheries
5252	professional sports scout	4165	program officer, health care association
5252	professional sports team coach	4165	program officer, health promotion
5251	professional sportsman/woman	4164	program officer, income maintenance
5252	professional team coach	4164	program officer, Native employment
5254	professional tennis instructor	4161	program officer, natural and applied sciences
0513	professional track and field team general manager	4164	program officer, refugee affairs
		4166	program planner, education
0513	professional track and field team manager	5226	program planner, music
4021	professional training instructor	5226	program planner, radio
4011	professor emeritus - university	4164	program planner, social services
4011	professor of computer science - university	1226	program planner, special events
4011	professor of medicine - university	5123	program researcher - radio or television
4011	professor, university	0413	program services director - education
9422	profile extrusion operator	4167	program supervisor - sports and leisure
9422	profile extrusion processing operator	4167	program supervisor, fitness
9422	profile extrusion set-up operator	4167	program supervisor, recreation and leisure
9417	profile mill operator, CNC (computer numerical control)	4167	program supervisor, sports, recreation and leisure
9417	profile mill operator, CNC (computerized numerical control)	4167	program supervisor, sports
		5121	programmed-instruction writer
9417	profile milling machine operator - metal machining	2174	programmer analyst
		2174	programmer, animation
9417	profile milling machine set-up operator	2233	programmer, CAD/CAM (computer-assisted design/computer-assisted manufacturing)
9537	profile saw operator - jewellery		programmer, CAD/CAM NC (computer-aided design/computer-aided manufacturing, numerical control)
9437	profile shaper operator - woodworking	2233	programmer, CNC (computer numerical control) Mastercam
9537	profile trimmer - jewellery		programmer, CNC/CMM (computer numerically controlled coordinate measuring machine)
9446	profile-pocket sewing machine operator		programmer, computer numerical control (CNC) Mastercam
9417	profiling machine operator - metal machining	2233	programmer, computer numerically controlled coordinate measuring machine (CNC/CMM)
9417	profiling machine set-up operator		programmer, computer-aided design/computer-aided manufacturing, numerical control (CAD/CAM NC)
4164	program adviser, family violence prevention	2233	programmer, computer-assisted design/computer-assisted manufacturing (CAD/CAM)
4413	program assistant, education		programmer, interactive media
4164	program consultant, community policing		programmer, special effects
5226	program co-ordinator - broadcasting	2233	programmer, systems
4166	program co-ordinator - education		programmer, Web
4161	program co-ordinator - environmental organization	2233	programming director - broadcasting
0421	program co-ordinator - post-secondary education		programming director - television
		2233	programming manager
4167	program co-ordinator, arts and crafts		programs manager, leisure
4167	program co-ordinator, leisure activities		programs manager, recreation
4167	program co-ordinator, recreation	2233	progress report clerk, construction
4167	program co-ordinator, recreational activities		progressive die fitter
4161	program co-ordinator, solid waste		project accountant
4167	program co-ordinator, teen clubs	2174	
4163	program delivery officer - business development	2174	
		2174	
0413	program development and educational planning director - public administration	2174	
		0512	
4166	program development specialist - college	0512	
5131	program director - broadcasting	5226	
0512	program general manager - broadcasting	0513	
4161	program manager, solid waste	0513	
4163	program officer - international development agency	1523	
		7232	
4166	program officer, education	1111	

1221	project administration officer	1434	property and equipment insurance clerk
0711	project co-ordinator, construction	1314	property appraiser
2134	project engineer, chemical	1314	property assessor
2131	project engineer, construction	1434	property clerk
2122	project forester	1224	property leasing co-ordinator
0212	project management chief - scientific affairs	1224	property management agent
1221	project manager - non-technical	1224	property management officer
0711	project manager, construction	1224	property management operations co-ordinator
5242	project manager, interior design	0714	property manager
2132	project mechanical engineer	5226	property master - broadcasting
4164	project officer, international aid and development	5226	property master - motion pictures, broadcasting and performing arts
4163	project officer, marketing	4211	property paralegal
4164	project officer, multiculturalism	5227	property person
5227	projectionist, motion pictures	1224	property rental agent
5227	projectionist	1224	property rental co-ordinator
9537	projector assembler	1224	property rentals manager
2146	projects engineer, aeronautical	1224	property section head
1123	promotion strategies consultant	1224	property standards inspector
6623	promotions demonstrator	4423	property surveyor
0124	promotions manager	2154	property underwriter - insurance
5227	prompter	1313	property underwriter
1434	proof clerk - financial sector	1313	property use inspector
7381	proof press operator - printing	4423	property valuator
7381	proof press operator, gravure - printing	1314	props handler
7381	proof press operator, letterpress - printing	5227	props person
7381	proof press operator, offset lithographic - printing	5227	propulsion engineer - aerospace vehicles
7381	proof press operator, photoengraved plates - printing	2146	propulsion technician
7381	proof press operator	7315	prosecuting attorney
7381	proof pressman/woman - printing	4112	prosecutor
6551	proof teller - bank	4112	prospecting geologist
9537	proof tester, shotguns	2113	prospector, gold
7381	proofer - printing	2212	prospector
7381	proofing hand - printing	2212	prosthetic aide
7381	proofing press operator	3219	prosthetic assistant
9472	proofmaker - printing	3219	prosthetic technician
9472	proofmaker	3219	prosthetic-orthotic technician
1452	proofreader, manuscripts	3219	prosthetist assistant
1452	proofreader	3219	prosthetist
9471	proofsheet approver - printing	3219	prosthetist-orthotist
6621	propane gas attendant	3113	prosthodontist
6621	propane gas pump attendant	2223	protection co-ordinator - forestry
6621	propane refueler	2133	protection engineer, electrical systems
6621	propane tank attendant	0411	protection services director - government services
9232	propellant blender	2241	protection technologist - electrical power system
7231	propeller inspector - machining	2112	protective coatings chemist
7315	propeller inspector, aircraft	9537	protective earmuffs assembler
9521	propeller mechanic - aircraft assembly	2133	protective relay engineer
7301	propeller repair foreman/woman	0013	protective services executive director
5226	properties custodian - stage productions or motion pictures	1525	protective signal operator
1111	property accountant	7612	protective signal servicer helper
1224	property acquisitions area manager	2112	protein chemist
1312	property adjuster - insurance	1227	prothonotary
1224	property administrator	4168	protocol officer

7231	prototype machinist	3012	public and community health nurse
9526	prototype tester, outboard motors	4164	public assistance adviser
2121	protozoologist	2121	public health bacteriologist
2121	protozoology biologist	3113	public health dentist
0423	provincial co-ordinator, social services	3132	public health dietitian
1416	provincial court clerk	0411	public health director
4111	provincial court judge	2131	public health engineer
4111	provincial court of appeal justice	2263	public health inspector
2154	provincial land surveyor	2263	public health inspectors supervisor
4111	provincial supreme court justice	0411	public health municipal officer - government services
5252	provincial team coach		
0421	provost - university	3012	public health nurse consultant
8431	pruner, vineyard	3012	public health nurse
3413	psychiatric aide	0411	public health nursing educational director - government services
3012	psychiatric and mental health nurse		
3012	psychiatric nurse	0311	public health nursing services director
3011	psychiatric nursing supervisor	3011	public health nursing supervisor
4152	psychiatric social worker	3132	public health nutritionist
3111	psychiatrist	3112	public health physician
4011	psychiatry professor - university	4011	public health professor - university
0311	psychiatry, chief of	2263	public health safety inspector
6564	psychic consultant	2161	public health statistician
6564	psychic reader	2263	public health unit supervisor
6564	psychic	4164	public housing officer
4153	psychoeducational consultant	4164	public housing policy analyst
4153	psychoeducator	6561	public image consultant - personal consultants
4169	psycholinguist		
4212	psychological assistant	0124	public information director
4151	psychological associate	1313	public liability underwriter - insurance
0423	psychological services director	1513	public notice delivery person - courier service
4151	psychologist - counselling		
4151	psychologist, school	1454	public opinion collector
4151	psychologist	1454	public opinion interviewer
4164	psychology assistant (except university)	1213	public opinion interviewers supervisor
0311	psychology director - health care	4164	public opinion survey researcher
4011	psychology professor - university	7512	public passenger transit driver
1254	psychology research assistant (except university)	1123	public relations agent
		6552	public relations clerk
0311	psychology, chief of	1123	public relations consultant
4169	psychometrician	1123	public relations co-ordinator
4169	psychometrist	0124	public relations director
3111	psychopharmacologist	0124	public relations manager
4151	psychotherapist	1123	public relations officer
3237	PTA (physical therapist assistant)	1123	public relations practitioner
1111	public accountant	1123	public relations press agent
1111	public accountants chief	1123	public relations press secretary
1111	public accountants supervisor	1123	public relations representative
5225	public address (P.A.) operator	1123	public relations specialist
5231	public address (P.A.) system announcer	4164	public rights co-ordinator
2242	public address (P.A.) system installer and repairer	6561	public speaking consultant
		1221	public trustee
5225	public address (P.A.) system operator	0912	public utilities manager
1312	public adjuster - insurance	0423	public welfare director
4011	public administration professor - university	0414	public works director
0411	public administrator - government services	2131	public works engineer
0124	public affairs director	2264	public works inspector - construction
1123	public affairs officer	7621	public works labourer

7522	public works maintenance equipment operator	9215	pulp mill foreman/woman
7302	public works maintenance equipment operators supervisor	9432	pulp mill machine operator
0414	public works superintendent	9433	pulp press tender
1452	publication clerk	9215	pulp processing foreman/woman - pulp and paper
1213	publication clerks supervisor	9432	pulp refiner operator - pulp and paper
6411	publication distributor - wholesale	9432	pulp tester - pulp and paper
6411	publication sales representative - wholesale	9215	pulp testers foreman/woman
5122	publications editor	9432	pulp washer operator - pulp and paper
0512	publications manager	9432	pulp washer
1123	publicist	9461	pulper tender - food and beverage processing
0124	publicity administrator	9235	pulping control operator
1123	publicity agent	9215	pulping foreman/woman - pulp and paper
1123	publicity co-ordinator	9235	pulping group operator - pulp and paper
0124	publicity director	9235	pulping technician
1123	publicity information officer	9614	pulp-log recleaner
0124	publicity manager	9414	pulpstone builder
5121	publicity writer	9614	pulp-washer helper
4021	public-speaking instructor	1225	pulpwood buyer
4021	public-speaking teacher	8421	pulpwood cutter
0016	publisher	8241	pulpwood harvester operator
6411	publisher's sales representative - wholesale	8616	pulpwood piler
1452	publishing clerk	9432	pulpwood products tester
0512	publishing house director	9421	pulverizer and sifter tender - chemical processing
0016	publishing house general manager		
0512	publishing manager	9421	pulverizing and sifting equipment tender - chemical processing
9461	puff gun operator - food and beverage processing	7521	pulvimixer operator
9461	puffed cereal maker	6411	pump and compressor sales representative - wholesale
9414	pug mill operator - clay products		
4111	puisne judge	6621	pump attendant - service station
9423	puller-laster - rubber products manufacturing	7311	pump mechanic and repairer
7362	pullman conductor	6621	pump operator - service station
3111	pulmonary disease specialist	9421	pump operator, coke by-products - chemical processing
3214	pulmonary function technologist		
3111	pulmonary medicine physician	9243	pump operator, water plant
3111	pulmonary medicine specialist	8412	pump operator, well treatment - oil field services
3111	pulmonologist		
2134	pulp and paper engineer, chemical	7532	pump seaman/woman
2134	pulp and paper engineer	9232	pump station operator - pipelines
9614	pulp and paper labourer	9243	pump station operator - water treatment
7316	pulp and paper machinery builder	7311	pump systems installer
2233	pulp and paper manufacturing technologist	7611	pump tender, cement and concrete
9215	pulp and paper mill foreman/woman	8412	pumper operator - oil field services
0911	pulp and paper mill manager	9243	pumphouse operator - water treatment
6411	pulp and paper product sales representative	9212	pumping and blending foreman/woman - chemical processing
9432	pulp and paper size maker		
2233	pulp and paper technician	9212	pumping and pipeline equipment operators foreman/woman
2233	pulp and paper technologist		
9432	pulp baler - pulp and paper	9212	pumping station foreman/woman
9432	pulp bleach liquor maker	9232	pumping station operator
9432	pulp cook	7612	pump-installer and repairer helper
9432	pulp dryer operator	8412	pumpman/woman - oil field services
9432	pulp grader	7532	pumpman/woman - ships
9432	pulp maker	9416	punch and shear machine operator - metal fabrication
9432	pulp mill equipment operator		

9612	punch press helper - metal products manufacturing	2141	QA (quality assurance) engineer
9416	punch press operator - metal fabrication	8613	quahog digger
9423	punch press operator - rubber products manufacturing	1315	qualified customs broker
9416	punch press operator	2261	qualified operator, non-destructive testing
9416	punch press setter - metalworking	2171	quality assurance analyst, information systems
9416	puncher and shearer - metal products manufacturing	9415	quality assurance inspector - steel mill
5232	puppeteer	2262	quality assurance officer
1524	purchase order clerk	2171	quality assurance (QA) auditor, software
1225	purchaser, furniture and furnishings	2141	quality assurance (QA) engineer
1225	purchaser	2233	quality assurance technologist
1225	purchasing agent	1122	quality auditor, industrial standards
1215	purchasing and inventory management co-ordinator	9465	quality control checker - food and beverage processing
0113	purchasing chief	2112	quality control chemist
1524	purchasing clerk assistant	0212	quality control director - chemistry
1524	purchasing clerk	2141	quality control engineer
1215	purchasing clerks supervisor	7201	quality control foreman/woman - metal machining
1225	purchasing contracts administrator	9217	quality control foreman/woman - textiles
1225	purchasing contracts analyst	9535	quality control inspector - plastic products manufacturing
0113	purchasing contracts director	9447	quality control inspector - textiles
1225	purchasing contracts management officer	9533	quality control inspector - wood products manufacturing
0113	purchasing contracts manager	9522	quality control inspector, automotive engines - motor vehicle manufacturing
1225	purchasing contracts negotiator	9415	quality control inspector, glass
1225	purchasing contracts officer	9535	quality control inspector, linoleum
1524	purchasing control clerk	0212	quality control manager - pharmaceutical products
0113	purchasing director	2211	quality control technician - chemical processing
1523	purchasing expediter	2211	quality control technician - chemistry
0113	purchasing manager	2211	quality control technician - food processing
1225	purchasing officer	2233	quality control technician (except chemical)
1225	purchasing supervisor	2211	quality control technologist - chemical processing
1225	purchasing-services contracts negotiator	2211	quality control technologist - food processing
9232	purification operator - chemical processing	2233	quality control technologist - industrial engineering
9411	purification operator - zinc oxide leach	2211	quality control technologist (except chemical)
9461	purifier operator - food and beverage processing	2211	quality control technologist, chemical products
9231	purity control operator - zinc leaching	2241	quality control technologist, electrical and electronics
9537	purse maker, leather	9447	quality control tester - textiles
8262	purse seine fisherman/woman	9465	quality control tester, beer bottling line
6522	purser - air transportation	2241	quality control troubleshooter, electronics
6522	purser - water transport	9447	quality controller - textiles
6522	purser, airline	9522	quality upgrader, assembly - motor vehicle manufacturing
4021	pursers instructor	9526	quality-control assembly inspector, automotive engines
6411	purveyor, wholesale	9526	quality-control assembly inspector, marine engines
9619	putty applicator - furniture and fixtures manufacturing	0911	quality-control services manager
5244	pyrographer		
2142	pyrometallurgical engineer		
2115	pyrometallurgist		
9537	pyrotechnics assembler		
Q			
2171	QA (quality assurance) analyst - informatics		

4169	quantitative historian	3219	R.T.P. (registered prosthetic technician)
2234	quantity surveyor - construction	3219	R.T.P.O. (registered prosthetic and orthotic technician)
2234	quantity surveyor-estimator		
2263	quarantine officer - public health	4154	rabbi
7372	quarry driller	0821	rabbit breeder
7611	quarry dump attendant	5251	race car driver
8221	quarry foreman/woman	4164	race relations officer
7611	quarry labourer	8431	racehorse exerciser
0811	quarry manager	5253	racehorse judge - racetrack
8221	quarry supervisor	8252	racehorse trainer
0811	quarrying manager	5251	racer, automobile
0811	quarrying operations manager	5251	racer, stampede
7532	quartermaster	5251	racer, stock car
9523	quartz crystal etcher and plater - electronic equipment manufacturing	6316	racetrack betting supervisor
9524	quartz lamp assembler	6611	racetrack cashier
9414	quartzware fabricator - stone products	6316	racetrack clerk supervisor
2113	quaternarist	5253	racetrack clocker
2113	quaternary scientist	0513	racetrack director
2113	quaternary specialist	5221	racetrack finish photographer
4112	Quebec notary	5253	racetrack steward
5125	Quebec Sign Language (LSQ) interpreter	5253	racetrack timer
1227	Queen's Bench registrar	5253	racing secretary and handicapper
4112	Queen's Counsel	9613	rack loader
9411	quenching car operator	7246	racker - telecommunications
9211	quenching foreman/woman - mineral and metal processing	9537	racquet stringer
9211	quenching foreman/woman - primary metal processing	2133	radar engineer
9471	quick print machine operator	2241	radar systems technician
9474	quick print machine tender - photographic processing	2241	radar technician
9441	quill winder - textile manufacturing	9523	radar-indicator inspector - electronic equipment manufacturing
9441	quiller - textile manufacturing	9523	radar-receiver assembler
7311	quiller machine fixer - textile manufacturing	9417	radial drill operator - metal machining
7311	quiller setter - textile manufacturing	9417	radial drill press operator - metal machining
9441	quilling machine tender, automatic - textile manufacturing	9417	radial drill press set-up operator - metal machining
7311	quilter fixer - textile manufacturing	9417	radial drill set-up operator - metal machining
7311	quilter mechanic - textile manufacturing	9423	radial tire builder
7311	quilter setter-fixer - textile manufacturing	9437	radial-arm saw operator - woodworking
5244	quilter, hand	2111	radiation biophysicist
9217	quilting foreman/woman - textile processing	2263	radiation monitor
7311	quilting machine fixer - textile manufacturing	3111	radiation oncologist
7311	quilting machine mechanic - textile manufacturing	3215	radiation oncology simulator technologist
9442	quilting machine operator	3215	radiation oncology technician
7311	quilting machine setter-fixer - textile manufacturing	3215	radiation oncology technologist
5231	quiz master - radio and television	0311	radiation oncology, chief of
		3215	radiation technologist - cancer therapy
		3215	radiation technologist - oncology
		3215	radiation therapist
		3215	radiation therapists supervisor
		3215	radiation therapy chief technologist
		3215	radiation therapy clinical co-ordinator
		3215	radiation therapy clinical instructor
		3215	radiation therapy technical co-ordinator
		3215	radiation therapy technologist (RTT)
3233	R.N.A. (registered nursing assistant)	9523	radiation-detector assembler
3233	R.P.N. (registered practical nurse)	9522	radiator inspector - motor vehicle manufacturing
3219	R.T.O. (registered orthotic technician)		

R

7535	radiator installer - auto repair service	2261	radiographic technician - non-destructive testing
7535	radiator installer - automotive service	3215	radiographic technologist
9522	radiator installer - motor vehicle manufacturing	2261	radiographic tester
9526	radiator maker	3215	radiography chief technologist
7251	radiator plumber	3215	radiography clinical co-ordinator
6411	radio advertising time sales representative	3215	radiography clinical instructor
2244	radio and electronic overhaul and repair mechanic - avionics	3215	radiography supervisor
2244	radio and radar equipment inspector - avionics	3215	radiography technical co-ordinator
2244	radio and radar equipment installer - avionics	3215	radiography technical director
2133	radio and television broadcasting design engineer	3215	radiography technologist
2133	radio and television broadcasting systems design engineer	3215	radiography technologists supervisor
2242	radio and television service technician apprentice	3215	radioisotope technician
2242	radio and television service technician	3215	radioisotope technologist
5231	radio announcer	3215	radiological technician
9523	radio assembler and installer	3215	radiological technologist
2111	radio astronomer	3111	radiologist, diagnostic
5123	radio commentator	3114	radiologist, veterinary
2244	radio communication equipment repairer - avionics	3111	radiologist
2242	radio communication equipment repairer	3414	radiology aide
2244	radio communication equipment repairman/woman - avionics	3215	radiology technologist
5131	radio director	3111	radio-oncologist
1525	radio dispatcher	3111	radio-oncology specialist
2241	radio frequency technologist	7246	radiotelephone installer and repairer
5231	radio host/hostess	1525	radio-telephone operator, highways
2242	radio installation and repair technician	1525	radio-telephone operator
2262	radio interference investigator	3215	radiotherapy technician
2242	radio maintenance technician	3215	radiotherapy technologist
5226	radio music program planner	9535	radome finisher - plastic manufacturing
1525	radio operator, drilling rig	6532	rafting guide
1525	radio operator	9614	rag checker - pulp and paper
5131	radio producer	9614	rag sorter - pulp and paper
5226	radio program planner	9616	rag sorter and cutter - textile processing
0512	radio programming manager	4217	ragi
5225	radio recorder	3213	(RAHT) registered animal health technologist
2242	radio repair supervisor	7371	rail crane operator
2242	radio repairer	7441	rail fence builder
2133	radio research engineer	7531	rail grinder - railway
5123	radio researcher	7622	rail lubricator
0015	radio station general manager	0731	rail operations superintendent
0512	radio station manager	7531	rail sander
0512	radio station operations director	7531	rail saw operator - railway
2147	radio systems engineer	7531	rail saw operator
5225	radio technician	2275	rail traffic controller
1225	radio time buyer	7301	rail transport equipment repair foreman/woman
5121	radio writer	7301	rail transport equipment repairers foreman/woman
7237	radio-frequency welder	0731	rail transport manager
2261	radiographer, industrial	2131	rail transportation traffic engineer
3215	radiographer, medical	7314	rail vehicle mechanic
		7531	rail-aligner operator - railway
		7314	railcar mechanic apprentice
		7531	rail-grinder operator - railway
		7531	rail-lifter operator - railway
		1312	railroad claims adjuster - insurance
		0012	railroad commissioner

2262	railway accident investigation officer	4311	railway investigator - police
7252	railway car and locomotive pipefitter	7622	railway labourer
9526	railway car assembler	7531	railway line inspector
6732	railway car cleaner	7361	railway locomotive engineer
7531	railway car controller - railway yard	1511	railway mail clerk
7622	railway car decal applier	7531	railway maintenance equipment operator
7531	railway car distributor	0731	railway manager
7531	railway car greaser	6524	railway passenger agent
7301	railway car inspection foreman/woman	0731	railway passenger operations manager
7314	railway car inspector	0431	railway police chief
7301	railway car inspectors foreman/woman	4311	railway police constable
9536	railway car letterer	4311	railway police officer
9526	railway car liner	0431	railway police supervisor
7452	railway car loader	6524	railway reservations clerk
7531	railway car lubricating specialist	7301	railway rolling stock assembly foreman/woman
7531	railway car lubricator	7301	railway rolling stock manufacturing foreman/woman
7301	railway car maintenance foreman/woman	0911	railway rolling stock production manager
7301	railway car maintenance supervisor	7242	railway signal installer
7531	railway car oiler	7242	railway signal maintainer
0911	railway car production manager	7531	railway signaller/woman
7371	railway car puller - crane	4311	railway special agent - police
7301	railway car repair foreman/woman	1511	railway station mail clerk
7301	railway car repairer foreman/woman	2154	railway surveyor
7612	railway car repairer helper	7531	railway tank car servicer
9536	railway car stenciller	2231	railway technician
9526	railway car trimmer	7531	railway tie inspector
6345	railway car upholsterer	7531	railway track inspector
9536	railway car varnisher	7622	railway track labourer
7622	railway car weigher	7302	railway track laying foreman/woman
7314	railway carman/woman apprentice	7531	railway track maintenance equipment operator
7314	railway carman/woman inspector	7302	railway track maintenance foreman/woman
7314	railway carman/woman	7622	railway track maintenance labourer
7314	railway coach repairer	7531	railway track maintenance worker
7362	railway conductor	7531	railway track patroller
7302	railway construction and maintenance superintendent	7531	railway track repairer
6322	railway cook	7302	railway track section boss
6311	railway dining car food service supervisor	7531	railway track tamper operator
0731	railway division superintendent	7531	railway trackman/woman
7361	railway engineer trainee	7531	railway train engine maintenance worker
7361	railway engineer	0731	railway transport area manager
6221	railway equipment and supplies technical sales specialist	0731	railway transport general agent
6221	railway equipment and supplies technical salesperson	7304	railway transport operating support foreman/woman
7301	railway equipment department supervisor	7304	railway transport operations supervisor
7314	railway equipment inspector	7622	railway yard labourer
7301	railway equipment maintenance inspectors foreman/woman	7302	railwaymen/women foreman/woman
5212	railway equipment restoration technician - museum	7531	railway-tie-injector operator
6524	railway express agent	8411	raise borer helper - underground mining
0731	railway freight manager	8231	raise boring machine operator - underground mining
7302	railway gang foreman/woman	8231	raise driller - underground mining
4311	railway guard - police	8411	raise miner helper
7361	railway hostler	8231	raise miner
2262	railway inspector	8231	raiseman/woman

7611	raker, asphalt	6232	real estate broker
9414	ram press operator - clay products	1434	real estate clerk
7534	ramp agent, air transport	6232	real estate dealer
7534	ramp attendant, air transport	0121	real estate developer
7534	ramp lead hand - air transport	4211	real estate law clerk
0731	ramp manager - airline	4112	real estate lawyer
1215	ramp services supervisor - airport	0013	real estate management company executive director
7534	ramp station attendant - air transport	0121	real estate national sales manager
8252	ranch foreman/woman	0121	real estate office manager
8431	ranch hand	4211	real estate paralegal
8431	ranch labourer, fur	1224	real estate rental agent
8431	ranch worker	6232	real estate sales consultant
0821	rancher	0121	real estate sales district manager
0821	ranchman/woman	0121	real estate sales manager
2223	range conservationist	0121	real estate sales managing director
2223	range manager	6232	real estate sales representative
6722	ranger, golf course	6232	real estate sales supervisor
1526	rapid transit scheduler	6232	real estate salesperson
1431	rate reviewer	1242	real estate secretary
1434	rater, insurance	0121	real estate service manager
0811	raw materials production manager	0121	realtor
9441	raw stock dryer - textile manufacturing	1434	realty clerk
9441	raw stock dyer - textile manufacturing	0412	realty taxation manager
4311	RCMP officer	0433	rear admiral
0431	RCMP (Royal Canadian Mounted Police) commissioner	9441	rebeamer - textile manufacturing
4311	RCMP (Royal Canadian Mounted Police) officer	9526	rebuilder, clutches
3132	RD (registered dietitian)	9421	recausticizer
3216	RDMS (registered diagnostic medical sonographer)	0012	receiver general for Canada
3132	RDN (registered dietitian-nutritionist)	1521	receiver
3223	RDT (registered dental technician)	6563	receiving barn custodian
3223	RDT (registered dental technologist)	1521	receiving checker
7452	reach truck operator	1521	receiving clerk for returned merchandise
7533	reaction ferry operator	1521	receiving clerk
2111	reactor physicist	1215	receiving clerks supervisor
5135	reader - performing arts	1521	receiving room clerk
1452	reader	1215	receiving supervisor
4032	reading clinician - elementary school	6525	reception clerk - hotel
4031	reading clinician - secondary school	1414	reception clerk, office
7511	ready-mix driver - construction	1414	reception clerk
7511	ready-mix truck driver	1414	reception desk clerk (except hotel)
7452	ready-mix truck loader	1414	receptionist, hospital
9421	reagent mixer - cellulose film manufacturing	6525	receptionist, hotel
9411	reagent tender - primary metal processing	1414	receptionist, medical clinic
9611	reagent tender helper - primary metal processing	6722	receptionist, park
1242	real estate administrative assistant	1414	receptionist
6232	real estate agency representative	1414	receptionist-clerk
6232	real estate agent	1211	receptionists and hostesses supervisor
0121	real estate agents managing supervisor	1211	receptionists supervisor
1314	real estate analyst	1414	receptionist-secretary
1314	real estate appraisal technician	1414	receptionist-switchboard operator
1314	real estate appraiser	1414	receptionist-telephone operator
1314	real estate assessor	1414	receptionist-typist
0121	real estate branch manager	5133	recital singer
		9423	reclaim millman/woman - rubber products manufacturing
		9423	reclaimed rubber inspector

7384	reclamation diver	3414	recreation aide - health services
2131	reclamation engineer	4167	recreation analyst
9211	reclamation foreman/woman - primary metal and mineral products processing	4167	recreation and leisure programs supervisor
1434	reconciliation clerk - financial sector	4167	recreation and leisure supervisor
4313	reconnaissance patrolman	6722	recreation and sports attendant
1451	record library assistant	0513	recreation and sports director
5131	record producer	1123	recreation association information officer
6421	record shop sales clerk	6722	recreation attendant
6421	record shop salesperson	0513	recreation centre director
0621	record store manager	0513	recreation centre sports director
6421	record store sales clerk	0513	recreation chief administrator
6421	record store salesperson	4167	recreation consultant
1227	recorder of deeds	4167	recreation co-ordinator
1227	recorder of wills	4167	recreation counsellor
5133	recording artist	0513	recreation director
5227	recording assistant - recording studio	7441	recreation equipment erector
1523	recording clerk - broadcasting	0513	recreation establishment director
5131	recording director	0513	recreation establishment managing supervisor
5225	recording engineer	0714	recreation facility manager
1241	recording secretary	0513	recreation head administrator
5225	recording studio technician	5254	recreation instructor
5212	recording technician - museum	5254	recreation leader
6411	recordings contact person	0513	recreation manager
1451	recordings library clerk	6722	recreation park attendant
0114	records administrator	2153	recreation planner
1221	records analyst - access to information	4167	recreation policy analyst
1411	records classification clerk	5254	recreation program leader
1253	records classifier	4167	recreation programmer
1411	records clerk	0513	recreation programs director
1211	records clerks supervisor	0513	recreation programs manager
1253	records digitizing technician	0513	recreation service director
1122	records filing systems analysts supervisor	0513	recreation service manager
1411	records filing-system clerk	4167	recreation services co-ordinator
1411	records management clerk	7441	recreation structure erector
0114	records management services manager	4167	recreation supervisor
1211	records management services supervisor	5254	recreation technician
1122	records management specialist	3414	recreation therapist aide
1211	records management supervisor	3414	recreation therapy assistant
1122	records management systems analyst	7384	recreation vehicle apprentice mechanic
1253	records management technician	9526	recreation vehicle assembler
1122	records manager - business services	7384	recreation vehicle mechanic
0114	records manager	7384	recreation vehicle repairer
1211	records office supervisor	7384	recreation vehicle service technician
1411	records support clerk	7384	recreation vehicle technician
1253	records technician	4167	recreation, sports or fitness policy analyst
9421	recovery equipment operator - chemical processing	4167	recreational activities consultant
9411	recovery equipment operator - primary metal and mineral processing	4167	recreational activities co-ordinator
9432	recovery operator - pulp and paper	4167	recreational activities counsellor
9614	recovery plant helper - pulp and paper	6722	recreational activities program co-ordinator
9235	recovery plant operator - pulp and paper	0632	recreational camp attendant
3012	recovery room nurse	7441	recreational campground manager
9421	recovery vat tender	6421	recreational equipment installer
0513	recreation administrator in chief	6421	recreational equipment rental-shop attendant
0513	recreation administrator	6722	recreational equipment salesperson - retail
		4021	recreational facility attendant
			recreational leadership teacher

4167	recreational programs co-ordinator	5253	referee, sports
3144	recreational therapist	5253	referee
3414	recreational therapy aide	1451	reference aide - library
4167	recreationist - geriatrics	1451	reference assistant - library
4167	recreologist	1451	reference clerk - library
4011	recreology professor - university	1451	reference clerk
1223	recruiter - employment	5111	reference librarian
0112	recruiting director	0912	refined petroleum products distribution manager
0112	recruiting manager	9432	refiner - pulp and paper
1223	recruiting officer	9611	refiner helper
4311	recruitment and training officer - police	9432	refiner man/woman - pulp and paper
1223	recruitment assistant	9423	refiner mill tender - rubber products manufacturing
1223	recruitment consultant	9432	refiner operator - pulp and paper
1223	recruitment officer	2134	refinery engineer
1223	recruitment specialist	2264	refinery equipment inspector
9241	rectifier operator - electrical power systems	0432	refinery fire chief
9461	rectifier, distilled liquors - food and beverage processing	9611	refinery helper - primary metal and mineral products processing
0014	rector - education	9611	refinery labourer
7452	recycled paper handler	9232	refinery operator
4161	recycling co-ordinator - residuals management	9231	refinery process operator - primary metal processing
4161	recycling program co-ordinator	9232	refinery process technician
6411	recycling sales representative	0911	refinery superintendent
7522	recycling truck driver - public works	9212	refinery unit foreman/woman
7522	recycling truck driver	2142	refining and metalworking engineer
0311	Red Cross first aid director	9536	refinisher, bathtubs
3012	Red Cross nurse	9536	refinisher, ceramic and enamel
9411	red mud thickener tender	9534	refinisher, furniture
6721	redcap, port	9536	refinisher, stoves
6721	redcap	9537	reflective sign fabricator
9441	redraw operator - textile manufacturing	2261	reflectoscope tester
9461	redryer tender - tobacco processing	3232	reflexologist
9461	redrying machine operator - tobacco processing	4422	reformatory guard
9211	reduction plant foreman/woman - primary metal and mineral products processing	7281	refractory brick repairer-mason
9616	reed cleaner - textile processing	7205	refractory bricklayer foreman/woman
7311	reed fixer - textile manufacturing	7611	refractory bricklayer helper
7311	reed setter - textile manufacturing	7281	refractory bricklayer
9533	reel assembler, wood	7281	refractory builder
9461	reel oven operator - food and beverage processing	7281	refractory mason
9441	reel tender - textile manufacturing	9414	refractory mortar mixer
9441	reel winder - textile manufacturing	9414	refractory tamp moulder - clay products
9612	reel wrapper - wire products manufacturing	9524	refrigerant gas leak tester
8615	reeled tubing helper - oil field services	7293	refrigeration and air conditioning equipment insulator
8412	reeled tubing operator - oil field services	7205	refrigeration and air conditioning equipment insulators foreman/woman
9441	reeler - textile manufacturing	7313	refrigeration and air conditioning mechanic apprentice
9535	reeler and cutter - plastic manufacturing	7313	refrigeration and air conditioning mechanic (non-construction)
9535	reeler and cutter, plastic material	7313	refrigeration and air conditioning mechanic
9435	reeler, wallpaper	7301	refrigeration and mechanical technician
9411	reeling machine operator - primary metal processing	2132	refrigeration contractor
9441	reeling machine operator - textile manufacturing		refrigeration engineer
0011	reeve		

9524	refrigeration equipment gas charger	0131	regional manager - telecommunications system
7301	refrigeration foreman/woman	0212	regional manager, agricultural representatives
7313	refrigeration mechanic apprentice	0122	regional manager, bank
7612	refrigeration mechanic helper	0411	regional manager, child welfare - government services
7313	refrigeration mechanic	0411	regional manager, employment insurance - government services
7301	refrigeration mechanics foreman/woman	0411	regional manager, income security - government services
9212	refrigeration plant foreman/woman	0411	regional manager, rural and Native housing - government services
9613	refrigeration plant operator helper	0011	regional municipality chair
9241	refrigeration plant operator	0012	regional municipality general director
7313	refrigeration system installer	5212	regional museum technician
2253	refrigeration systems drafts person	4163	regional officer, industrial development
7313	refrigeration technician	0411	regional pay centre chief - employment insurance
9524	refrigeration unit inspector	2153	regional planner
9524	refrigerator assembler, electric	4161	regional recycling and waste reduction program co-ordinator
9619	refrigerator crater	0601	regional sales director
9524	refrigerator inspector - electrical appliance manufacturing	0601	regional sales manager
7332	refrigerator repairer	6411	regional sales representative - wholesale
7332	refrigerator servicer, domestic	0422	regional schools superintendent
7332	refrigerator servicer	1221	regional services chief
4164	refugee affairs program officer	0132	regional services manager - postal and courier services
4168	refugee board member	0422	regional superintendent - schools
7522	refuse truck driver - public works	0412	regional taxation manager
0114	regional administrative manager	5224	regional transmitter technician
0423	regional administrator, social services	0013	regional vice-president - financial, communications and other business services
4112	regional attorney	0016	regional vice-president - goods production, utilities, transportation and construction
0122	regional bank manager	0014	regional vice-president - health, education, social and community services and membership organizations
1213	regional census manager	0015	regional vice-president - trade, broadcasting and other services
1228	regional claims and benefits officer - employment insurance	0015	regional vice-president, hotel chain
0122	regional collection manager	0016	regional vice-president, petroleum production company
0124	regional communications director	0013	regional vice-president, trust company
0111	regional controller - financial services	3232	registered acupuncture practitioner
0423	regional correctional administrator	3213	registered animal health technologist (RAHT)
0122	regional credit manager	3213	registered animal health technologist
4112	regional Crown prosecutor	2251	registered building technician
4163	regional development analyst	2251	registered building technologist
4163	regional development officer	3217	registered cardiology technologist
0413	regional director, education programs	3413	registered care aide
0411	regional director, labour - government services	3414	registered central service technician - medical
0411	regional director, Métis development programs - government services	4153	registered clinical counsellor
0601	regional director, sales	3012	registered community health nurse
0411	regional director, social services - government services	3144	registered dance therapist (DTR)
4163	regional economic development agency officer		
0412	regional economic services manager - government services		
4162	regional economist		
1112	regional financial analyst		
2122	regional forest inventory officer		
4163	regional industrial development officer		
2122	regional inventory officer - forestry		
0511	regional library director		
0601	regional manager - sales		

3411	registered dental assistant	4212	registered social service worker
3222	registered dental hygienist	4152	registered social worker
3223	registered dental technician	3211	registered technologist - medical
3223	registered dental technologist	3215	registered technologist in nuclear medicine (RTNM)
3222	registered dental therapist	3215	registered technologist in radiation therapy
6562	registered dermal therapist	3215	registered technologist in radiography (RTR)
3216	registered diagnostic cardiac sonographer	3216	registered technologist, ultrasound
3216	registered diagnostic medical sonographer (RDMS)	4211	registered trademark agent
3132	registered dietitian (RD)	3216	registered ultrasound technologist
3132	registered dietitian-nutritionist (RDN)	3213	registered veterinary technician (RVT)
3217	registered electrocardiography technician	3213	registered veterinary technician
3234	registered emergency paramedic	0421	registrar - college or university
4153	registered family therapist	1227	registrar - courts
5241	registered graphic designer (RGD)	1452	registrar clerk
3012	registered industrial nurse	1227	registrar of bankruptcy
5242	registered interior designer	1227	registrar of deeds
1113	registered investment representative	1227	registrar of probate
3144	registered kinesiologist	1227	registrar of wills
1511	registered mail clerk	0421	registrar, community college
4153	registered marriage and family therapist	5212	registrar, museum
4153	registered marriage therapist	1452	registration clerk
3236	registered massage practitioner	1211	registration unit supervisor
3236	registered massage therapist (RMT)	1452	registry clerk
3211	registered medical technologist	1227	registry officer - marriages
3124	registered midwife (RM)	1211	registry supervisor
3012	registered nurse - call centre	7246	regulator and tester - telecommunications
3012	registered nurse - contact centre	2275	regulator, marine traffic
3124	registered nurse - extended class (RN-EC)	2262	regulatory officer, engineering
3012	registered nurse - independent practice	2121	regulatory toxicologist
3012	registered nurse - public and community health	3414	rehabilitation aide
3012	registered nurse - telehealth	0712	rehabilitation and renovation specialist
3012	registered nurse (R.N.)	3414	rehabilitation assistant
3233	registered nursing assistant (R.N.A.)	3143	rehabilitation consultant, occupational therapy
3132	registered nutritionist	4153	rehabilitation counsellor
4161	registered occupational hygienist	4215	rehabilitation instructor for persons who are blind
3414	registered orthopedic technologist	4215	rehabilitation instructor of persons with a visual impairment
3219	registered orthotic technician (R.T.O.)	3011	rehabilitation nursing supervisor
4161	registered patent agent	4212	rehabilitation officer - social services
3131	registered pharmacist	0423	rehabilitation residential services director
3142	registered physical therapist	4212	rehabilitation service worker
3142	registered physiotherapist	0311	rehabilitation services director - medical services
3233	registered practical nurse (R.P.N.)	3111	rehabilitation specialist
3132	registered professional dietitian	4215	rehabilitation teacher for persons who are blind
2122	registered professional forester (RPF)	4215	rehabilitation teacher of persons with a visual impairment
3132	registered professional nutritionist	4215	rehabilitation teacher
3219	registered prosthetic and orthotic technician (R.T.P.O.)	4212	rehabilitation worker - social services
3219	registered prosthetic technician (R.T.P.)	7442	rehabilitation worker, pipelines
3012	registered psychiatric nurse (R.P.N.)	5133	rehearsal musician
4151	registered psychologist	6564	Reiki master
3012	registered public health nurse	2264	reinforced concrete inspector
3215	registered radiology technologist		
1113	registered representatives supervisor		
3214	registered respiratory care practitioner		
3214	registered respiratory therapist (RRT)		

9535	reinforcer, foam cushions - plastic products manufacturing	9213	rendering plant workers foreman/woman - meat packing
9418	reinforcing cage maker	5223	rendering specialist
9418	reinforcing cage winding machine operator	1434	renewal clerk - financial sector
7236	reinforcing ironworker	7611	renovation carpenter helper
7236	reinforcing rodworker	7271	renovation carpenter
7236	reinforcing steel ironworker	0712	renovation contractor
7611	reinforcing wire mesh worker	6421	rental agent - retail
1111	reinsurance analyst	1224	rental agent, apartments
1313	reinsurance underwriter - insurance	1224	rental agent, real estate
9619	relaster - shoe manufacturing	6421	rental clerk - retail
7246	relay adjuster - telecommunications	6421	rental clerk, storage space
5125	relay interpreter	6421	rental counter representative
7246	relay tester - telecommunications	6211	rental service supervisor
7243	relay tester and maintainer - electrical power system	1224	rentals agent
7243	relay tester and repairer - electrical power system	6421	rental-shop attendant, sporting goods
1411	relief clerk	7202	repair foreman/woman, power lines
2271	relief pilot	7301	repair foreman/woman, propellers
8221	relieving surface foreman/woman - mining	7202	repair foreman/woman, telecommunication lines
4011	religion professor - university	7244	repair lineman/woman - electric power systems
0423	religious education director	7245	repair lineman/woman - telecommunications
4031	religious education high school teacher	6342	repair seamstress, garments
4217	religious education worker	7533	repair ship owner-operator
3012	religious nurse	7322	repair shop estimator, automotive
4217	religious superior - religious community	7301	repair shop foreman/woman, hydraulic units
4217	religious superior/mother superior	2241	repairer - electronics production
9461	relish maker - food and beverage processing	7246	repairer - telecommunications
1221	relocation commissioner	7612	repairer helper, railway cars
4156	relocation consultant	7332	repairer, air conditioners - window unit
4156	relocation counsellor	7315	repairer, aircraft accessories
4413	remedial education aide	7315	repairer, aircraft bodies
3144	remedial gymnast	7315	repairer, aircraft skins
3144	remedial gymnastics teacher (except education)	2242	repairer, amplifiers
3144	remedial gymnasts' supervisor	7445	repairer, archery bows - sporting goods manufacturing
3232	remedial herbalist	9533	repairer, assembled wood products
3232	remedial herbologist	7445	repairer, awnings and tents
4021	remedial teacher - college level	7445	repairer, beer-dispensing equipment
4032	remedial teacher - elementary school	7445	repairer, bicycle
4031	remedial teacher - secondary school	9531	repairer, boat assembly
4031	remedial teacher, secondary school	7445	repairer, bows - stringed instruments
3144	remedial therapist	7247	repairer, cable TV (television) converter and decoder equipment
1431	remittance accounts clerk	7445	repairer, camera
5226	remote broadcasting co-ordinator	7311	repairer, can seamer machines
7384	remote operated vehicle (ROV) operator	7311	repairer, carton-forming machines
2131	remote sensing engineer	7313	repairer, central air conditioning
2113	remote sensing geologist	7333	repairer, coil connectors
2271	remote sensing pilot	7445	repairer, dictaphones
2111	remote sensing research scientist	7445	repairer, domestic sewing machines
2255	remote sensing (RS) application specialist	7445	repairer, electric lawn mowers
2255	remote sensing (RS) technician	7332	repairer, electric meter
2255	remote sensing (RS) technologist	7333	repairer, electric motor
3212	renal technician	7333	repairer, electric sign
5223	renderer, graphic arts	7445	repairer, electric tools
		7332	

7333	repairer, electrical instruments	7246	repairer, teleprinters
2242	repairer, electronic equipment	7246	repairer, teletypewriters (TTY)
2242	repairer, electronic games	7311	repairer, textile machinery
2242	repairer, electronic organs	7311	repairer, textile-printing machine rollers - garment manufacturing
7312	repairer, farm tractors		repairer, thermostats
9531	repairer, fibreglass boat assembly	7445	repairer, tire tubes - rubber products manufacturing
7445	repairer, fire extinguishers	9615	repairer, trucks and transport vehicles
7311	repairer, forge equipment		repairer, upholstery
7311	repairer, forge shop machinery	7321	repairer, vending machine
7335	repairer, gasoline-powered lawn mowers	6345	repairer, video cassette recorders
7335	repairer, gasoline-powered snow blowers	7445	repairer, water conditioners
7445	repairer, golf clubs	2242	repairer, water softeners
2242	repairer, hearing aid	7441	repairer, water-softening systems
7311	repairer, hooks - textile manufacturing	7441	repairer, windmills
2243	repairer, industrial process control equipment	7311	repairer, wood furniture - wood products manufacturing
9615	repairer, inner tubes - rubber products manufacturing	9533	repairer, wooden doors - wood products manufacturing
9446	repairer, leather glove		repairman/woman, aircraft accessories
7384	repairer, locks	9533	repairman/woman, diesel locomotives - railway
7311	repairer, looms - textile manufacturing	7315	repairman/woman, electric motor
7332	repairer, major electric household appliances	7312	repairman/woman, electric stoves
7445	repairer, mechanical meters		repairman/woman, hand tools
2241	repairer, medical instruments		repairman/woman, locks
9534	repairer, metal furniture	7333	repairman/woman, power transformers
7311	repairer, mine hoists	7332	repairman/woman, sash and door manufacturing
7445	repairer, musical instruments	7445	repairman/woman, saws
7311	repairer, needle beds - textile manufacturing	7384	repairman/woman, transformers
7311	repairer, needle boards - textile manufacturing	7333	repairman/woman, waterworks
		9533	repayment and benefits control chief - employment insurance
7445	repairer, neon signs		repeater installer - telecommunications
2243	repairer, nucleonic controllers	7384	repeater tester and adjuster - telecommunications
7311	repairer, oil tools	7333	reporter, foreign affairs
7445	repairer, Oriental rugs	7442	reporter, newspaper
7311	repairer, oven equipment	0411	reporter, press
7445	repairer, percussion instruments		reporter, society
2242	repairer, photocopiers	7246	reporter, traffic
7445	repairer, piano	7246	reporter, weather
7332	repairer, portable electric household appliances		reporter
		5123	representative, car-rental counter
2242	repairer, radio communication equipment	5123	representative, client service - airline
2242	repairer, radios	5123	representative, customer service - airline
9535	repairer, rollers - plastic manufacturing	5123	representative, government agricultural service
7384	repairer, safes and vaults	5231	representative, securities
7384	repairer, saws	5231	reproduction woodcarver
7445	repairer, scaffolding	5123	repulper operator
7445	repairer, scales	6421	re-recording mixer
7384	repairer, small arms	6523	resaw operator - sawmill
7335	repairer, small engines	6523	resaw operator - woodworking
7335	repairer, small equipment	2123	resaw operator
7445	repairer, sporting goods		
7445	repairer, sports equipment	1113	
7311	repairer, steam turbines	5244	
7333	repairer, storage battery	9432	
7445	repairer, stringed instruments	5225	
7445	repairer, surveying and optical instruments	9431	
7445	repairer, survival equipment	9437	
7246	repairer, switch network	9431	

9431	resawyer - sawmill	2221	research technician, life sciences
0421	research administrator - university or college	2223	research technologist, forestry conservation
4165	research analyst, health policy	2211	research technologist, petroleum
1112	research analyst, securities	3144	researcher, dance therapy
0212	research and development manager	3144	researcher, dance-movement therapy
3143	research and development occupational therapist	4165	researcher, health care
4169	research anthropologist	4164	researcher, international aid and development
4169	research archaeologist	4211	researcher, legal
5113	research archivist	4163	researcher, market
2223	research assistant - forestry	4163	researcher, marketing
1254	research assistant - generalist (except university)	3144	researcher, music therapy
4012	research assistant - post-secondary	4161	researcher, natural and applied sciences
1254	research assistant (except post-secondary)	1122	researcher, organization and methods
1254	research assistant, psychology (except university)	5123	researcher, radio
4012	research assistant, university	5123	researcher, television
1112	research associate, financial services	6523	reservation agent - airline
3141	research audiologist	6521	reservation agent - travel agency
2121	research biologist	6411	reservation agent - wholesale
2112	research chemist	6523	reservation agent, airline
3132	research dietitian	6523	reservation clerk - airline
0212	research director - forestry	6523	reservation sales agent - airline
0212	research director - manufacturing	6521	reservation sales agent - travel agency
0212	research director - mining	6524	reservations agent - cruise line
0421	research director - university or college	6524	reservations agent - railway
0111	research director, investments	6524	reservations agent (except airline)
0121	research director, securities	6524	reservations clerk - cruise line
2133	research engineer - nanoelectronics	6525	reservations clerk - hotel
2122	research forester	6524	reservations clerk - wholesale travel
4164	research home economist	6524	reservations clerk (except airline)
2241	research laboratory equipment repairer	6524	reservations clerk, railway
2161	research mathematician	0632	reservations manager
2115	research metallurgist	6313	reservations supervisor - airline
3132	research nutritionist	6313	reservations supervisor - hotel
3143	research occupational therapist	6313	reservations supervisor - travel agency
4168	research officer - federal and intergovernmental affairs	6313	reservations supervisor
4166	research officer, education	1221	reserve administrator
4165	research officer, health services	1434	reserves calculation clerk - financial sector
4164	research officer, social welfare	2145	reservoir engineer, petroleum
3142	research physical therapist	2212	reservoir engineering technician
3142	research physiotherapist	6731	residence cleaner
4011	research professor - university	4212	residence co-ordinator - group home
4151	research psychologist	3413	resident care aide - medical
2115	research scientist - ceramics	3413	resident companion - medical
2115	research scientist - composite materials	3112	resident physician
2111	research scientist, aerospace	3112	resident, general practice
2112	research scientist, biochemistry	3112	resident
2112	research scientist, chemistry	6541	residential alarm system specialist
2111	research scientist, communications	2151	residential architect
2111	research scientist, electronics	6731	residential boarding-home cleaner
2111	research scientist, physics	7291	residential building shingler
2111	research scientist, remote sensing	2251	residential buildings technologist
1254	research support officer	0651	residential cleaning service manager
2223	research technician, forestry conservation	7281	residential construction bricklayer
		0016	residential construction company president
		7204	residential construction foreman/woman
		0711	residential construction manager

7294	residential construction painter	9441	respooler - textile manufacturing
7251	residential construction plumber	6731	rest home cleaner
7204	residential construction supervisor	6731	rest room attendant
7241	residential construction wirer	6731	rest room cleaner
4212	residential counsellor - group home	0631	restaurant assistant manager
7441	residential door installer	6611	restaurant cashier
6221	residential energy sales adviser	6322	restaurant cook
7295	residential floor and wall covering installer	6711	restaurant counter attendant
0712	residential home builder	6411	restaurant equipment sales representative
0712	residential homes contractor	6511	restaurant host/hostess
7331	residential oil burner installer and servicer	2263	restaurant inspector - public health
7331	residential oil burner mechanic	2263	restaurant inspector
7294	residential painter	0631	restaurant manager
1224	residential property manager	1225	restaurant purchasing agent
6232	residential real estate agent	1225	restaurant purchasing officer
6232	residential real estate salesperson	6513	restaurant waiter/waitress - formal service
0712	residential renovation contractor	0631	restaurateur - food services
7291	residential steep roofer	7271	restoration carpenter
7295	residential wall and floor covering installer	7384	restoration steeplejack
7241	residential wireman/woman	7281	restoration stonemason
9411	residual metal recoverer	5212	restoration technician - museum
9411	residue filter operator - zinc oxide leach	9474	restorer, negatives - photographic processing
7295	resilient floor installer		
7295	resilient floor layer	9416	restrike hammer operator - metal forging
7237	resistance brazer	6331	retail butcher
7237	resistance seam welder	6222	retail buyer
7237	resistance welder tender	0601	retail district manager
7237	resistance welder, hand	0015	retail establishment president
7237	resistance welder	6541	retail investigator
7237	resistance welder-setter	6541	retail loss investigator
7237	resistance welding machine setter	6541	retail loss prevention officer
7237	resistance welding set-up man/woman	4021	retail management teacher
9523	resistor assembler - electronic equipment manufacturing	6331	retail meat cutter
		6222	retail merchandiser
9523	resistor machine feeder	3131	retail pharmacist
9523	resistor-processing equipment operator	6421	retail sales associate
0632	resort campground manager	6421	retail sales clerk
0632	resort manager	0621	retail sales manager - e-commerce
4162	resource economist	0621	retail sales manager
2223	resource officer, forest inventory	6421	retail sales representative
5111	resource sharing and processing librarian	6421	retail salesperson
2223	resource technician - forestry	6622	retail shelf stocker
7445	respirator servicer and fitter	5242	retail space planner
3012	respiratory care nurse	6211	retail store department head
3214	respiratory care practitioner	6541	retail store floorman/woman
3111	respiratory disease specialist	6541	retail store floorwalker
3012	respiratory nurse specialist	0621	retail store owner
3214	respiratory technician	6211	retail store supervisor
3214	respiratory technologist	0621	retailer
3214	respiratory therapist	7531	retarder operator - railway yard
3214	respiratory therapy chief	9461	retort battery cook - food and beverage processing
3214	respiratory therapy clinical instructor		
3214	respiratory therapy supervisor	9414	retort tender - clay products
3111	respirologist	9461	retort tender - food and beverage processing
0311	respirology, chief of	9613	retort unloader
3413	respite care aide	5221	retoucher - photography
4412	respite worker - home support	9474	retoucher, negatives

9472	retoucher, photoengraving - printing	8222	rig manager
9214	retread tire inspection foreman/woman	7612	rig mechanic helper
9214	retread tire inspection supervisor - rubber products manufacturing	7311	rig mechanic
4168	returning officer	8412	rig technician - derrickhand
4212	return-to-work co-ordinator - disability management	8232	rig technician - driller
4212	return-to-work facilitator - disability management	8412	rig technician - motorhand
6345	re-upholsterer	7237	rig welder
0111	revenue accounting and controls section chief	9521	rigger - aircraft assembly
1431	revenue accounting clerk	5227	rigger - motion pictures, broadcasting and performing arts
1228	revenue agent	7245	rigger - telecommunications
1228	revenue officer	7371	rigger (except shipbuilding and aircraft assembly)
0412	revenue programs chief	9612	rigger helper - shipbuilding
0412	revenue programs manager - government services	9521	rigger mechanic, aircraft controls
1228	revenue recovery officer	9521	rigger, aircraft - aircraft assembly
9435	revenue stamp cutter	9521	rigger, aircraft assembly
1228	revenue supervisor	7311	rigger, ship
9231	reverberatory furnace operator - primary metal processing	7611	rigger's helper - construction
4154	reverend	5226	rigging gaffer
9411	reversing mill operator - primary metal processing	8241	rigging slinger - logging
9411	reversing rolling mill operator - primary metal processing	4423	right of way inspector
4112	review lawyer	1225	right-of-way agent
5125	reviser - translation	9523	rim bander, television picture tube
9441	rewarper - textile manufacturing	9418	rimfire cartridge-priming machine tender
9433	rewinder - pulp and paper	9434	ring barker operator - wood processing
9441	rewinder - textile manufacturing	8231	ring drill operator
9433	rewinder tender - pulp and paper	9441	ring frame operator - textile manufacturing
9433	rewinder, processed paper	9421	ring furnace operator helper
5121	rewriter	9421	ring furnace operator
5241	RGD (registered graphic designer)	9537	ring mandrel worker
2111	rheologist	9416	ring mill operator - metal forging
3111	rheumatologist	9441	ring spinner - textile manufacturing
0311	rheumatology, chief of	9537	ring stamper
3111	rhinologist	6722	rink attendant
9442	rib knitter - textiles	6722	rink ice maker
9442	ribbing machine operator - textiles	6722	rink icer
9537	ribbon inker	6316	rink supervisor
9537	ribbon winder	9441	rinser - textile manufacturing
9537	ribbon-looping machine tender	9437	rip and groove machine tender - woodworking
9461	rice mill worker	7521	ripper operator - heavy equipment
9461	rice miller	7611	rip-rap placer
6722	ride attendant, go-kart	9437	ripsaw grader-operator - woodworking
6722	ride attendant	9437	ripsaw matcher - woodworking
6722	ride operator, amusement	9431	ripsaw operator - sawmill
5251	rider	9414	ripsaw operator - stone products
5254	riding instructor	9437	ripsaw operator - woodworking
5254	riding master	9414	ripsawyer - stone products
9445	rifle case maker, leather	4162	risk management analyst
7242	rig electrician	9462	ritual slaughterer - meat packing plant
8222	rig manager - oil and gas drilling	2131	river and canal works engineer
		8616	river driver
		2273	river pilot
		2273	riverboat captain
		9411	rivet heater - primary metal processing
		9418	rivet maker

9418	rivet shaper	6532	rock climbing guide
9531	rivet tester - boat assembly	9211	rock crusher foreman/woman - primary metal and mineral products processing
9537	riveter, jewellery		
9527	riveting machine operator - electrical equipment manufacturing	9411	rock crusher tender - primary metal and mineral products processing
9527	riveting machine tender - electrical equipment manufacturing	9211	rock crushing foreman/woman - primary metal and mineral products processing
3124	RM (registered midwife)	8614	rock duster - underground mining
3236	RMT (registered massage therapist)	2212	rock mechanics technician
3012	RN (registered nurse)	6732	rock or brick sandblaster
9522	road and roll tester	5133	rock singer
7302	road boss, highway and bridge maintenance	9619	rock splitter
7302	road boss, paving gang	9414	rock wool operator - stone products
1411	road clerk	8231	rockbolter
7302	road construction boss	2244	rocket components mechanic - avionics
7302	road construction foreman/woman	9411	rod drawer - primary metal processing
2264	road construction inspector	9611	rod drawer helper - primary metal processing
7304	road foreman/woman - railway transport	9411	rod mill operator - primary metal processing
7302	road foreman/woman, airport runways	9611	rod puller and coiler - primary metal processing
7304	road foreman/woman, freight train		
7304	road foreman/woman, passenger train	9416	rod-bending machine operator - metal fabrication
7611	road form setter		
7362	road freight brakeman/woman	0821	rodent breeder
7302	road gang foreman/woman	2263	rodent control inspector
7521	road grader operator	2263	rodent control officer
2264	road grading inspector	0821	rodent raiser
1411	road maintenance clerk	5232	rodeo driver
7302	road maintenance foreman/woman	5232	rodeo horse rider
7621	road maintenance worker - public works	5251	rodeo performer
7621	road maintenance worker	7612	rodman/woman - land surveying
7611	road mixer operator helper	7236	rodworker apprentice
7521	road mixer operator	3232	rolfer
2264	road paving inspector	3232	rolfing movement teacher
7521	road planer operator	9416	roll bender operator - metal products manufacturing
7521	road roller operator		
2262	road safety inspector	9423	roll builder - rubber products manufacturing
7522	road snowplough operator - public works	7311	roll builder-repairer - rolling mills
7611	road spray truck helper	9214	roll building foreman/woman - rubber manufacturing
2231	road technician		
9522	road test mechanic	9214	roll building supervisor - rubber products manufacturing
2231	road traffic technician		
5212	road transport equipment restoration technician - museum	9616	roll carrier - textile processing
		9615	roll changer - rubber manufacturing
4423	road transport inspector	9423	roll coverer - rubber products manufacturing
6552	road transport terminal attendant	9435	roll cutter, machine - paper converting
8231	roadheader operator	9433	roll finisher - paper
8411	roadmaker - underground mining	9416	roll forger
7302	roadmaster - railway	9423	roll grinder - rubber products manufacturing
2133	roadway lighting design engineer	9616	roll hauler - textile processing
9231	roaster operator - primary metal processing	9416	roll operator - metal fabrication
9536	robotic paint sprayer attendant	9422	roll operator - plastic manufacturing
9536	robotic spray paint system attendant	9423	roll operator - rubber products manufacturing
2132	robotics engineer	9411	roll setter - primary metal processing
2232	robotics servicing technician	7311	roll setter - rolling mills
2232	robotics systems installer and repairer	9211	roll shop operations coach - steel mill
2232	robotics technician	9435	roll slicing machine tender - paper converting
2232	robotics technologist	9435	roll slitter, machine - paper converting

9411	roll table operator - primary metal processing	9435	roll-slitting machine tender - paper converting
9522	roll tester - motor vehicle manufacturing	9411	roll-straightener operator - primary metal processing
9418	roll threader operator	8231	roof bolter
9616	roll turner - textile processing	7294	roof painter
9433	roll wrapper - paper	7205	roof shinglers supervisor
9411	roller - primary metal processing	7291	roof tiler
9537	roller bearing assembly inspector	7291	roofer and waterproofer
9616	roller cleaner - textile processing	7611	roofer helper, asphalt
7311	roller coverer - textile manufacturing	7611	roofer helper
9472	roller engraver - printing	7291	roofer trainee
9441	roller machine tender - tannery	7291	roofer, asphalt and gravel
9461	roller mill tender - food and beverage processing	7291	roofer, asphalt shingles
7521	roller operator	7291	roofer, asphalt
9411	roller plate mill - primary metal processing	7291	roofer, built-up flat
9441	roller printer - textile manufacturing	7291	roofer, gravel
7311	roller repairer - industrial equipment	7291	roofer, metal
9535	roller repairer - plastic manufacturing	7233	roofer, sheet metal
9423	roller repairer - rubber products manufacturing	7291	roofer, shingles
9535	roller repairman/woman - plastic manufacturing	7291	roofer, wood shingle
9423	roller repairman/woman - rubber products manufacturing	7291	roofer
9461	roller room equipment tender - food and beverage processing	7205	roofer-contractor (except metal roofs)
5254	rollerblading instructor	7205	roofers and shinglers supervisor
9411	roller-leveller operator	7205	roofers (except sheet metal roofs) foreman/woman
9614	rollerman/woman - wood processing	7205	roofers foreman/woman
8441	rollerman/woman, fishing vessel	7291	roofing contractor (except sheet metal roofs)
9619	roller-packer, glassfiber mats	7205	roofing contractor
5254	roller-skating instructor	7441	roofing mechanic
9416	roll-forming machine setter - metalworking	6731	roofing supervisor
9211	rolling foreman/woman - primary metal processing	6731	room air conditioner installer, residential
9416	rolling machine operator - metal forging	6525	room attendant
9435	rolling machine tender - paper converting	6525	room cleaner
9611	rolling mill catcher - primary metal processing	6721	room clerk - hotel
9231	rolling mill control operator - primary metal processing	6721	room clerk
9231	rolling mill control operator	6525	room flipper
9211	rolling mill foreman/woman - primary metal processing	6513	room porter
9411	rolling mill guide setter - metal processing	0632	room service clerk - hotel
9611	rolling mill helper - primary metal processing	0632	room service waiter/waitress
9611	rolling mill labourer - primary metal processing	0632	rooming house keeper
9411	rolling mill operator - mineral and metal processing	0632	rooms division director
9411	rolling mill preparer - primary metal processing	7384	rooms manager - accommodation services
9611	rolling mill worker - primary metal processing	9441	rope access technician (RAT)
9611	rolling mill worker	7311	rope coiler
9437	rolling pin maker - woodworking	9442	rope machine setter - textile manufacturing
9616	roll-mat machine feeder - textile processing	9418	rope maker - textiles
		6722	rope maker, wire
		6722	rope tow attendant
		9442	rope tow operator
		9442	rope twister
		9442	rope-coiling machine tender - textiles
		0822	rope-twisting machine tender
		9537	rose grower
		7611	rotary brush-making machine operator
			rotary driller helper - water well

7372	rotary drilling machine operator - surface mining and quarrying	8615	roustabout - offshore drilling rig
7372	rotary drilling machine operator	8615	roustabout - oil and gas drilling
9232	rotary furnace tender - chemical processing	8615	roustabout
9411	rotary kiln operator - primary metal and mineral products processing	7622	route driver helper
9411	rotary kiln tender - primary metal processing	7514	route driver
7381	rotary press operator	7305	route foreman/woman, motor transport
8231	rotary raise driller - underground mining	1215	route planning supervisor
8411	rotary raise driller helper	6211	route supervisor, retail sales
9416	rotary shear operator - metal fabrication	6552	route supply and return clerk
7315	rotary technician, aircraft mechanical systems	7441	routeman/woman, pool service
9526	rotary tiller assembler	9417	router operator - metal machining
7521	rotary trencher operator	9437	router operator - woodworking
9417	rotary-head milling machine set-up operator	1511	routing clerk
9525	rotating field coil assembler - industrial electrical equipment	9441	rover - textile manufacturing
9422	rotational moulding operator	9441	roving frame tender - textile manufacturing
6321	rotisserie chef	9441	roving machine operator - textile manufacturing
9472	rotogravure cylinder technician	9447	roving weight gauger - textiles
7303	rotogravure foreman/woman	5251	rower
7381	rotogravure press operator - printing	0431	Royal Canadian Mounted Police (RCMP) commissioner
9441	rotogravure press operator - textile manufacturing	4311	Royal Canadian Mounted Police (RCMP) officer
7381	rotogravure press operator, wallpaper	4168	royal commission officer
7303	rotogravure press operators foreman/woman - printing	0512	royalties manager - arts
9472	rotogravure press technician	1315	royalty broker
7381	rotogravure pressman/woman - printing	2122	RPF (registered professional forester)
7303	rotogravure pressmen/women foreman/woman - printing	3012	RPN (registered psychiatric nurse)
9412	Roto-lift operator - foundry	3214	RRT (registered respiratory therapist)
7381	rotoprinter - printing	2255	RS (remote sensing) application specialist
9525	rotor assembler - industrial electrical equipment	2255	RS (remote sensing) technician
9525	rotor coil former - industrial electrical equipment	2255	RS (remote sensing) technologist
9525	rotor core assembler - industrial electrical equipment	3215	RTNM (registered technologist in nuclear medicine)
7315	rotorcraft maintenance engineer	3215	RTR (registered technologist in radiography)
7315	rotorcraft mechanical systems technician	3215	RTT (radiation therapy technologist)
9536	rough benchwork spray painter	9414	rubber abrasive wheel grinder
7271	rough carpenter	9615	rubber and canvas footwear dipper
9437	rough mill operator - woodworking	9441	rubber and vinyl coater operator - textile manufacturing
7294	rough painter - construction	9423	rubber band cutter
9437	rough planer operator - woodworking	9423	rubber belt buffer
9536	rough spray painter - manufacturing	9423	rubber belt builder
9411	roughing mill operator - metal processing	9423	rubber belt maker
8615	roughneck - offshore drilling rig	9423	rubber boot cutter
8615	roughneck - oil and gas drilling	9423	rubber boot maker, moulded
8615	roughneck, service rig - oil field services	9423	rubber boot maker
8615	roughneck	9423	rubber cement mixer
6533	roulette croupier	9423	rubber closure installer
7301	roundhouse foreman/woman - railway	9423	rubber coater
9473	rounding and backing machine operator - printing	9615	rubber compound weigher
		9423	rubber compounder
		9423	rubber cord assembler
		9423	rubber cord cutter
		9423	rubber cord splicer
		9423	rubber curer - rubber products manufacturing
		9423	rubber cushion inspector

9423	rubber cutter	9423	rubber splitter - rubber products manufacturing
9423	rubber foam cushion fabricator	9423	rubber squeegee splicer
9423	rubber footwear maker, hand	9423	rubber stamp maker
9423	rubber footwear maker	9423	rubber stripper and applier
9214	rubber footwear moulding supervisor	9423	rubber trimmer
9423	rubber footwear parts buffer	9423	rubber tube vulcanizer tender
9423	rubber footwear repairer	9423	rubber tubing splicer
9423	rubber footwear tread machine tender	9423	rubber-coating and vinyl-coating machine operator - textile manufacturing
9214	rubber fuel tank foreman/woman	9441	rubber-cutting machine feeder
9423	rubber gasket gluer	9615	rubberizing machine mechanic
9214	rubber gasket making foreman/woman	7311	rubber-strap-folding machine tender
9423	rubber gear moulder	9423	rug cleaner
9423	rubber glove maker	6732	rug cleaning foreman/woman - dry cleaning
9423	rubber golf ball cover treater	6316	rug designer
9423	rubber goods assembler	5243	rug installer
9423	rubber goods cutter-finisher	7295	rug joiner
9214	rubber goods dipping foreman/woman	9446	rug layer
9214	rubber goods dipping supervisor	7295	rug maker, hand
9423	rubber goods inspector	5244	rug setter - textile manufacturing
9423	rubber goods machine operator	9441	rug sewer
9423	rubber goods press operator	9446	rug underlay machine operator - rubber products manufacturing
9423	rubber goods repairer	9423	rug weaver
9615	rubber goods seamer	9442	rug-coating machine operator
9423	rubber grinder	9441	rughooker
9423	rubber hose builder	5244	rug-yarn-setting machine operator - textile manufacturing
9214	rubber hose building supervisor	9441	ruling machine operator - printing
9615	rubber hose checker	1111	rulings officer, taxation
9214	rubber hose foreman/woman	1513	runner - courier service
9214	rubber hose inspection and testing foreman/woman	6533	runner, casino
9423	rubber lining installer	0731	runway manager
9615	rubber manufacturing roll changer	7302	runway paving foreman/woman
9423	rubber mill operator	0411	rural and Aboriginal housing regional manager - government services
9423	rubber moulder operator - rubber products manufacturing	0411	rural and Aboriginal housing services district director - government services
9423	rubber press operator	0411	rural and Native housing regional manager - government services
9423	rubber processing machine operator	0411	rural and Native housing services district director - government services
6411	rubber product sales representative - wholesale	0212	rural development manager
9423	rubber products assembler	4163	rural development officer
9214	rubber products inspection supervisor	0212	rural development program manager
9423	rubber products inspector	2121	rural ecologist
9214	rubber products inspectors supervisor	2133	rural electrification engineer
9615	rubber products manufacturing labourer	0411	rural housing programs director - government services
9214	rubber products manufacturing supervisor	1512	rural mail carrier
9423	rubber products polisher	4169	rural sociologist
9615	rubber products seamer	7246	rural telephone maintainer
9423	rubber products tester	9536	rustproof coater - motor vehicle manufacturing
9423	rubber products washer-dryer	9536	rustproof sprayer - motor vehicle manufacturing
0911	rubber products-manufacturing plant manager		
9423	rubber roll grinding inspector		
9423	rubber shoe cementer		
9423	rubber shoe strap maker		
9423	rubber slab inspector, rubber		
9423	rubber snowtrack builder		

9536	rustproofing, motor vehicle	0601	sales administrator
	S	0124	sales agency marketing division director
7452	sack packer, hand - material handling	6524	sales agent - railway
9445	saddle cutter - leather products manufacturing	6411	sales agent - wholesale (non-technical)
9437	saddle machine tender - woodworking	6524	sales agent, counter - railway
9473	saddle stitching machine operator - printing	6524	sales agent, counter (except airline)
9473	saddle stitching machine set-up operator - printing	6231	sales agent, insurance
7384	safe and vault installer-servicer	6523	sales agent, passengers - airline
7384	safe and vault repairer	1113	sales agent, securities
7384	safe and vault servicer	0124	sales and advertising manager
7384	safe and vault technician	0015	sales and advertising vice-president - trade, broadcasting and other services
7384	safe expert	0601	sales and distribution manager
7384	safe maker	0124	sales and marketing director
2263	safety and sanitary inspector - public and environmental health	0124	sales and marketing manager
1434	safety deposit box clerk	1123	sales and promotions co-ordinator
6314	safety deposit box supervisor	0124	sales and publicity manager
9537	safety earmuffs assembler	6421	sales and rental clerk
2141	safety engineer	6421	sales assistant
6221	safety equipment salesperson	6235	sales associate - personal banking
9535	safety goggle assembly repairer - plastic products manufacturing	6421	sales associate - retail
2263	safety inspector, mines	6421	sales associate
2264	safety officer - construction	1111	sales auditor - finances
2263	safety officer	6221	sales broker - wholesale
4311	safety patrol officer - police	6211	sales clerk supervisor
9418	safety pin machine set-up operator	1522	sales clerk, automobile parts counter - retail
2263	safety practitioner	6421	sales clerk
9537	safety razor blade honer	6421	sales consultant - retail
9537	safety razor blade inspector	6411	sales consultant - wholesale (non-technical)
9537	safety razor blade maker	6411	sales co-ordinator - wholesale (non-technical)
7315	safety systems mechanic, aircraft	0124	sales director - computer marketing development
7445	safety valve repairer, pipelines	0601	sales director (except retail and wholesale)
9414	sagger moulder - clay products	0601	sales district manager (except insurance and real estate)
9611	sagger placer - clay products manufacturing	6221	sales engineer, technical support
9414	sagger maker, pottery and porcelain	6221	sales engineer
5245	sail lay-out and patternmaker	6411	sales executive - wholesale (non-technical)
5245	sail maker	0015	sales general manager - trade, broadcasting and other services
5251	sailboarder	6421	sales greeter
9531	sailboat assembler	0601	sales manager (except retail and wholesale)
9445	sailcloth cutter - fabric products manufacturing	0601	sales manager, e-commerce (electronic commerce)
4216	sailing instructor	0121	sales manager, insurance
6711	salad and sandwich maker	0601	sales manager, package tours
6711	salad bar attendant	6235	sales officer - financial
9461	salad dressing finisher	6421	sales order clerk
6711	salad maker	0601	sales planning manager
1432	salary administration officer	6421	sales promotion clerk
4162	salary analyst - economic policy	0124	sales promotion manager
1121	salary analyst	1212	sales records supervisor
0112	salary research and administration manager	6421	sales representative - retail
6221	sale executive, technical sales	6411	sales representative - wholesale (non-technical)

6411	sales representative, alcoholic beverages - wholesale	2161	sales statistician
6421	sales representative, automobiles - retail	6211	sales supervisor - retail
6411	sales representative, business services	6211	sales supervisor
6421	sales representative, cable television service	0016	sales vice-president - goods production, utilities, transportation and construction
6411	sales representative, canvas products	0016	sales vice-president - pulp and paper manufacturing
6421	sales representative, car - retail	0015	sales vice-president - trade, broadcasting and other services
6411	sales representative, cleaning services	6231	salesman/woman, insurance
6411	sales representative, collection agency	1113	salesman/woman, securities
6411	sales representative, commercial and industrial equipment and supplies	6421	salesperson - retail
6411	sales representative, computer services	6411	salesperson - wholesale (non-technical)
6221	sales representative, construction materials	6421	salesperson, aluminum products - retail
6411	sales representative, courier services	6421	salesperson, automobile accessories - retail
6411	sales representative, delivery services	6421	salesperson, boats and marine equipment - retail
6411	sales representative, design - wholesale	6421	salesperson, books - retail
6411	sales representative, export	6421	salesperson, building supplies - retail
6411	sales representative, financial services	6421	salesperson, china and crystal - retail
6411	sales representative, food products	6411	salesperson, classified ads
6411	sales representative, freight forwarding services	6421	salesperson, cosmetics - retail
6421	sales representative, garments and other textile products - retail	6421	salesperson, drapery and upholstery - retail
6411	sales representative, hotel services	6421	salesperson, education courses
6411	sales representative, hotel supplies	6421	salesperson, fish shop
6411	sales representative, import	6421	salesperson, floor coverings - retail
6411	sales representative, janitorial services	6421	salesperson, florist shop
6221	sales representative, lighting, heating and power	6421	salesperson, footwear - retail
6411	sales representative, livestock - wholesale	6421	salesperson, furniture and appliances - retail
6411	sales representative, motor vehicles and equipment - wholesale (non-technical)	6421	salesperson, hardware - retail
6411	sales representative, plastic products - wholesale	6421	salesperson, hearing aids - retail
6411	sales representative, printing services	6421	salesperson, hobby shop
6411	sales representative, publications - wholesale	6421	salesperson, house trailers - retail
6411	sales representative, pulp and paper products	6421	salesperson, housewares - retail
6411	sales representative, radio advertising time	6421	salesperson, jewellery - retail
6232	sales representative, real estate	6421	salesperson, lighting appliances - retail
6411	sales representative, rubber products - wholesale	6421	salesperson, memorial - retail
6411	sales representative, security services - wholesale	6421	salesperson, motor vehicles - retail
6411	sales representative, sign and display	6421	salesperson, musical instruments and supplies - retail
6221	sales representative, technical office equipment	6232	salesperson, new homes
6411	sales representative, television advertising time	6411	salesperson, novelty products - wholesale
6411	sales representative, textbooks	6421	salesperson, orthopedic shoes - retail
6411	sales representative, tobacco products - wholesale	6421	salesperson, photographic equipment and supplies - retail
6411	sales representative, vending machine services	6421	salesperson, real estate
6411	sales representative, vending machine	6411	salesperson, security systems
1241	sales secretary	6421	salesperson, sewing machines - retail
		6421	salesperson, sporting goods - retail
		6421	salesperson, tires - retail
		6421	salesperson, toy store
		6421	salesperson, training courses
		6421	salesperson, used cars - retail
		6421	salesperson, video equipment - retail
		6421	salesperson, wearing apparel - retail
		6421	salesperson, yard goods - retail
		0823	salmon farmer

0823	salmon grower	9415	sample tester - primary metal and mineral products processing
9411	salt compactor operator	9442	sample weaver
9411	salt compressor operator	9613	sampler - chemical processing
9411	salt crusher	9617	sampler - food and beverage processing
9211	salt milling supervisor	9415	sampler - primary metal and mineral products processing
9617	salt packer	9447	sampler - textiles
9411	salt processor	9415	sampler and tester, coke - primary metal processing
9411	salt refiner	9617	sampler, food products
9611	salt screening labourer	9415	sampler, minerals - mineral products processing
7522	salt truck operator - public works	9415	sampler, molten metal - primary metal processing
7522	salt truck operator	9433	sampler, sheet paper
6222	salvage buyer	9214	sampling supervisor - rubber and plastic products manufacturing
1522	salvage clerk	2264	sand and gravel inspector - construction
0621	salvage dealer	9412	sand control man/woman - foundry
7384	salvage diver	9412	sand control operator - foundry
8221	salvage foreman/woman - mining	9412	sand coremaker
9415	salvage glass inspector	8221	sand fill boss - underground mining
9537	salvage inspector, ammunition	8411	sand fill man/woman - hydraulic stowing
7445	salvage inspector, instruments	8411	sand fill man/woman
9523	salvage operator - electronic equipment manufacturing	9412	sand floor moulder - foundry
9437	salvage sawyer - woodworking	9412	sand mill operator - foundry
9433	salvage winder operator - papermaking	9412	sand moulder - foundry
9614	salvager, lumber - wood processing	9412	sand moulder
7445	salvager, machinery	9412	sand processing operator - foundry
9611	salvager, powdered metal - primary metal processing	7522	sand spreader operator - public works
9525	salvager, storage battery	7522	sand spreader operator
8614	salvager, timber and steel props	9412	sand system operator - foundry
4217	Salvation Army captain	9415	sand tester, foundry
4154	Salvation Army commissioned officer	9414	sandblast operator - stone products
4217	Salvation Army field worker	9414	sandblast operator, stonework
4217	Salvation Army worker	9612	sandblaster - metal products manufacturing
9447	sample checker - textiles	9612	sandblaster operator - metal products manufacturing
9619	sample clerk - fabric products	9414	sandblaster, stones
1522	sample clerk - storage and warehousing	6732	sandblaster
9537	sample container maker, hand	6732	sandblasting building cleaner
1522	sample control clerk	9612	sandblasting machine tender - metal products manufacturing
9445	sample cutter - fabric, fur and leather products manufacturing	9412	sand-core maker, hand - foundry
9445	sample cutter	7441	sander and finisher, floor
1513	sample distributor - courier service	9437	sander, desks - woodworking
9442	sample knitter	9619	sander, doors
6342	sample maker, garments	7611	sander, drywall
6344	sample maker, jewellery	9619	sander, hand - furniture manufacturing
9613	sample preparer - chemical processing	9437	sander, machine - woodworking
9447	sample preparer - textiles	9414	sander, pottery and porcelain
9441	sample printer - textile manufacturing	9437	sander, smoking pipes - woodworking
8614	sample processor	9437	sander, veneer - woodworking
9217	sample room foreman/woman - fabric, fur and leather products manufacturing	7611	sander, wallboards
9217	sample room foreman/woman, leather products	9437	sander, wood - woodworking
9619	sample room worker	9533	sanding inspector - woodworking
9446	sample sewer		
9616	sample steamer		

9437	sanding machine feeder - woodworking	9617	sausage wrapper - food and beverage processing
9461	sanding machine tender - food and beverage processing	9461	sausage-peeling machine tender
7522	sanding truck operator - public works	6551	savings account teller - financial services
9412	sand-slinger operator - foundry	1434	savings accounts clerk - financial sector
6711	sandwich artist	6314	savings accounts supervisor
6711	sandwich maker	6314	savings and credit service supervisor
6711	sandwich, salad and dessert maker	6314	savings supervisor
2263	sanitary department inspector - environmental health	7384	saw doctor
2131	sanitary engineer	7384	saw filer
0912	sanitary sewer service manager	7384	saw fitter
2263	sanitary standards inspector	7384	saw fitter-filer
2131	sanitation engineer	9418	saw knife miller
7621	sanitation man/woman	7384	saw maker
7522	sanitation truck driver	9416	saw operator - metal fabrication
7621	sanitation worker	9431	saw operator - sawmill
5232	Santa Claus/Mrs. Claus	9437	saw operator - woodworking
9437	sash and door end matcher - woodworking	9437	saw operator, circular - woodworking
9533	sash and door grader, wood	9414	saw operator, stonework
9533	sash and door inspector - millwork manufacturing	9414	saw operator, wire - concrete, clay and stone products
9533	sash and door inspector	7384	saw repairer
9533	sash and door manufacturing repairman/woman	7384	saw repairman/woman
2133	satellite antenna engineer	9614	saw tailer - wood processing
7441	satellite antenna installer	9414	saw tender, concrete
2242	satellite antenna servicer	9431	sawdust reclaim operator - sawmill
2147	satellite data transmission engineer	9431	sawing machine operator - sawmill
7441	satellite dish installer	9437	sawing machine operator - woodworking
2133	satellite instrumentation engineer	9437	sawing machine tender - woodworking
7246	satellite receiver installer	0432	sawmill fire chief
7246	satellite receiving equipment installer	9215	sawmill foreman/woman
2174	satellite scientific telecommunications programmer	9614	sawmill labourer
2241	satellite technician	9431	sawmill machine operator
2241	satellite technologist	7384	sawmill saw fitter
7247	satellite television technician	9215	sawmill supervisor
2241	satellite verification technologist	9614	sawmill worker
9534	satin finisher - furniture finishing and refinishing	7384	sawsmith
9613	saturating machine feeder - chemical processing	9431	sawyer - sawmill
9421	saturating machine tender - chemical processing	9437	sawyer - woodworking
9441	saturator - textile manufacturing	6344	sawyer and assembler, wooden tank bottoms
9421	saturator operator	9414	sawyer, boards - sawmill
6321	saucier	9437	sawyer, concrete
0651	sauna manager	9437	sawyer, cooperage headings
6742	sauna room attendant	6344	sawyer, diamonds
9617	sausage casing curer	9414	sawyer, joints - concrete, clay and stone products
9461	sausage dryer and smoker	9437	sawyer, salvage - woodworking
9617	sausage linker - food and beverage processing	9431	sawyer, shakes - sawmill
9461	sausage maker	9431	sawyer, stave bolts - sawmill
9617	sausage tier - food and beverage processing	9437	sawyer, staves - woodworking
		9414	sawyer, stones - stone products
		9437	sawyer, wood blocks - woodworking
		7611	scaffold erector
		7445	scaffold repairer
		9414	scagliola caster - stone products
		9537	scale assembler

7384	scale calibrator	2233	scheduling technician - manufacturing
9537	scale inspector	4033	school adjustment officer
9537	scale maker	4166	school adjustment specialist
7445	scale mechanic	0422	school board administrator
9613	scale operator, landfill	0413	school board services manager
7445	scale repairer	0011	school board trustee
9411	scalehouse operator - zinc melting	7512	school bus driver - special needs passengers
2223	scaler - forestry	7512	school bus driver
9611	scaler - primary metal processing	7305	school bus drivers supervisor
2223	scaler technician - logging	4033	school counsellor
2223	scalars supervisor	6541	school crossing guard
2223	scaling co-ordinator - logging	6733	school custodian
8262	scallop dredger	0422	school district assistant superintendent
9463	scallop shucker - fish and seafood processing	0422	school district superintendent
6562	scalp treatment specialist	4033	school guidance department head
9611	scalping helper - primary metal processing	3012	school health nurse
1423	scanner operator - desktop publishing	0413	school inspection director - public administration
9472	scanner operator - printing	4166	school inspector
1423	scanning machine operator - desktop publishing	6733	school janitor
9472	scanning machine operator, colour corrections	4311	school liaison officer - police
9434	scarf gluer - wood processing	5211	school librarian - secondary school
9434	scarfer tender - wood processing	4413	school lunchroom supervisor
9418	scarfer-borer - metal products manufacturing	0714	school maintenance manager
9418	scarfing and boring machine operator	3012	school nurse
9434	scarfing machine tender - wood processing	0651	school of art manager
8422	scarification equipment operator - forestry	0421	school of nursing dean
8422	scarification equipment operator	0421	school of nursing director
8422	scarifier operator - silviculture	0421	school of technology dean
7521	scarifier operator	0421	school of technology director
5243	scene designer assistant	0421	school of technology manager
5243	scene designer	0422	school principal
5227	scene shifter	4151	school psychologist
5136	scenery painter	4311	school safety officer - police
5227	scenic artist - motion pictures, broadcasting and performing arts	1241	school secretary
5227	scenic constructor - motion pictures, broadcasting and performing arts	0413	school services director - public administration
5227	scenic constructor	0413	school services director
5227	scenic painter - motion pictures, broadcasting and performing arts	4152	school social worker
5136	scenic painter - visual arts	4166	school subjects consultant
1526	schedule analyst, air transport	0422	school superintendent
1526	schedule analyst	4031	school teacher - secondary school
1523	schedule clerk	0422	school vice-principal
1526	schedule control clerk	5112	science and technology curator
1526	schedule maker, transportation	5112	science and technology museum curator
1526	schedule maker	4166	science co-ordinator - education
1526	schedule writer, transportation	0421	science dean
1526	schedule writer	4031	science high school teacher
1526	scheduler - transit system	4031	science teacher - secondary school
1526	scheduler, flight crews	0014	scientific association chairperson
1526	scheduler, flight	4161	scientific consultant
1523	scheduling clerk	5122	scientific editor
1215	scheduling clerks supervisor	4169	scientific expert, handwriting
		5244	scientific glass apparatus blower
		4169	scientific handwriting expert
		5241	scientific illustrator

6221	scientific instrument sales representative	9615	screen cleaner - rubber products manufacturing
5111	scientific librarian		
5221	scientific photographer	9418	screen maker, wire
2174	scientific programmer	9471	screen print operator
0212	scientific research department manager	9441	screen printer, hand - textile manufacturing
0212	scientific research director	5244	screen printing artisan
0212	scientific research manager	9619	screen printing machine feeder
5125	scientific translator	9471	screen printing machine operator - printing
5121	scientific writer	9441	screen printing operator - textile manufacturing
8231	scoop operator - underground mining		
8231	scooptram operator - underground mining	9619	screen printing paster
8231	scooptram operator	9215	screen room foreman/woman - pulp and paper
5253	scoreboard operator		
5253	scorekeeper	9432	screen room operator - pulp and paper
9435	scorer - paper converting	5223	screen stencil cutter - graphic arts
9441	scouring machine operator	9432	screen tender - pulp and paper
5252	scout, baseball	9434	screen tender, chips - wood processing
5252	scout, basketball	9411	screen tender, coke
5252	scout, football	5121	screen writer
5252	scout, hockey	9421	screener - chemical processing
5252	scout, lacrosse	9421	screener and weigher, nitrocellulose
5252	scout, professional sports	9421	screener-perfumer, detergents and powdered soaps
5252	scout, sports		
7533	scow captain	9611	screening equipment helper - primary metal and mineral products processing
7533	scow operator		
9431	scrag-saw operator - sawmill	9615	screening machine feeder - rubber products manufacturing
6222	scrap buyer		
9611	scrap machine helper - primary metal processing	9461	screening machine tender - food and beverage processing
9611	scrap metal baler - primary metal processing	9472	screenmaker
0621	scrap metal dealer	9432	screenman/woman - pulp and paper
9611	scrap metal loader	9441	screen-printing machine operator - textile manufacturing
9611	scrap metal processor - primary metal processing	9417	screw machine operator - metal machining
9411	scrap metal remelter - primary metal processing	9417	screw machine operator, custom
6421	scrap metal salesperson	9417	screw machine set-up operator
9411	scrap metal shredder operator - primary metal processing	9417	screw threader
9411	scrap metal shredder	9418	scribing machine tender
9611	scrap metal sorter and baler - primary metal processing	5121	script and dialogue writer
		5227	script assistant
		5122	script editor
		5227	script person - motion pictures and broadcasting
9614	scrap piler - wood processing		
9211	scrap preparation foreman/woman - primary metal and mineral products processing	5226	script supervisor
		5121	script writer
9211	scrap preparation foreman/woman - primary metal processing	9418	scroll machine tender
		9437	scroll saw operator - woodworking
9423	scrap rubber grinder - recycling	9442	scroll-quilting machine operator
9611	scrap shredder helper	3012	scrub nurse
9611	scrap yard worker - primary metal processing	9537	scrubber brush assembler
		9537	scrubber brush maker
7521	scraper operator	9611	scrubber tender - mineral products processing
9421	scratch tender		
9441	scray machine feeder	4311	scuba diver - police
7521	screed operator, asphalt paving	4311	scuba-diving specialist - police
9523	screen aluminizer, picture tube assemblies	9441	scudder - hide and pelt processing
9614	screen cleaner - pulp and paper	5136	sculptor, metal

5136	sculptor, monuments	9522	seat assembler - motor vehicle manufacturing
5136	sculptor, wood	9537	seat belt assembly inspector
5136	sculptor	7611	seat installer - construction
5136	sculptor-modeller	8262	seaweed dragger
5112	sculpture conservator	8613	seaweed gatherer
4011	sculpture professor - university	8262	seaweed harvesting machine operator
5136	sculpture teacher (except primary, secondary, post-secondary education)	6321	second chef
5136	sculpturing teacher (except primary, secondary, post-secondary education)	6322	second cook
9616	scutcher tender	5227	second costumes assistant
8613	sea farm attendant	2273	second deck officer
8613	sea farm worker	2274	second engineer - water transport
2212	sea-bottom technologist	2274	second engineer, Coast Guard vessel
2221	sea-farming technologist	2274	second engineer, factory freezer trawler
2212	sea-floor technologist	2274	second engineer, marine - water transport
6421	seafood counter clerk	2274	second engineer, self-propelled drilling rig
9463	seafood preparer - fish and seafood processing	2274	second engineer
6421	seafood sales clerk - retail	9433	second hand, paper machine
6421	seafood sales clerk	0413	second language program director
8442	seal hunter - hunting and trapping	0433	second lieutenant
9421	sealant operator - chemical processing	2273	second mate - inland waters
9521	sealer - aircraft assembly	8261	second mate, fishing vessel
8442	sealer - hunting and trapping	2273	second mate, foreign-going
9521	sealer and tester, pressurized compartments - aircraft assembly	2273	second mate, home trade
9522	sealer operator - motor vehicle manufacturing	2273	second mate, ship
9521	sealer, aircraft - aircraft assembly	2273	second mate
9527	sealer, dry cell - electrical equipment manufacturing	2271	second officer - air transport
8442	sealer	2273	second officer, Coast Guard vessel
9435	sealing machine tender - paper converting	4168	second secretary, foreign service
7611	seam caulker - construction	2274	second watchkeeping engineer, Coast Guard vessel
7532	seaman/woman	2273	second watchkeeping officer, Coast Guard vessel
9537	seamless ball moulder	6722	second, boxing
9442	seamless hosiery knitter	4031	secondary school department head
9411	seamless steel billet piercer - primary metal processing	0413	secondary school education director
9411	seamless tube roller - primary metal processing	5211	secondary school librarian
6342	seamstress	0422	secondary school principal
0433	search and rescue captain	0413	secondary school programs director
5254	search and rescue crew member - sports and recreation	4031	secondary school reading clinician
7384	search and rescue diver	4031	secondary school teacher, classical languages
1511	search clerk, lost parcel post	4031	secondary school teacher, physical education
1511	search clerk, lost postal packages	4031	secondary school teacher, special education
5227	searchlight operator	4413	secondary school teacher
0632	seasonal resort manager	4413	secondary school teacher's aide
8616	seasonal swamper - logging forestry	4031	secondary school teacher's assistant
8616	seasonal tree planter	9241	secondary school vocational teacher
7621	seasonal worker - public works	4021	second-class stationary engineer
9617	seasoning mixer - food and beverage processing	9241	second-language instructor - language school
		9447	second-lass power engineer
		4311	seconds inspector-grader
		0421	secret service officer
		4021	secretarial college director
			secretarial services teacher

1241	secretary (except legal and medical)	6411	security services sales consultant - wholesale
0012	secretary to the council - government services	6411	security services sales consultant
1241	secretary, church	6411	security services sales representative - wholesale
1242	secretary, litigation	6411	security services sales representative
1242	secretary, real estate	6541	security specialist (except computer systems)
1241	secretary, school	6411	security system salesperson
1242	secretary, trademarks	7445	security systems technician
1243	secretary, ward - hospital	2113	sedimentary geologist
1241	secretary-clerk	2113	sedimentologist
1414	secretary-receptionist, medical office	8252	seed cleaning service contractor
7302	section boss, railway track	8422	seed cone collector
7302	section foreman/woman, railway	8422	seed cone picker
6313	section head, casino	9465	seed corn grader
6313	section head, slot machines	2222	seed crop inspector
7622	section labourer - railway	0821	seed farmer
9524	section leader, light fixture assembly	2222	seed grains inspector
7245	section lineman/woman - telecommunications	0821	seed grower
0621	section manager - retail	9619	seed packager
7531	section worker - railway	0821	seed producer
1113	securities agent	2221	seed technologist
1114	securities analyst - personal finances	8252	seeding contractor
1112	securities analyst	8441	seiner deckhand
0121	securities and investment manager	8262	seiner fisherman/woman
1434	securities clerk - financial sector	8412	seismic buried facilities locator
1114	securities counsellor	2212	seismic exploration line crew co-ordinator
0121	securities manager	2212	seismic exploration observer
1113	securities representative	8615	seismic GPS rover
1112	securities research analyst	8615	seismic line cutter
0121	securities research director	7372	seismic prospecting driller
0121	securities research manager	8615	seismic prospecting observer helper
1113	securities sales agent	2212	seismic prospecting observer
0121	securities sales director	2212	seismic survey co-ordinator
1113	securities salesman/woman	8615	seismic survey helper
1113	securities trader	2212	seismic technician
1114	securities underwriter	2113	seismologist
6541	security alarm system consultant	2212	seismology technician - petroleum geology
2242	security alarms installer	2212	seismology technologist - petroleum geology
2242	security alarms technician	2212	seismometer technician
6541	security analysis officer - postal service	4168	select committee officer
6541	security and investigations officer	9611	selenium recovery helper - primary metal processing
4311	security constable - police	4216	self-improvement course instructor
6541	security consultant (except computer systems)	5121	self-instruction manual writer
0114	security department manager	2273	self-propelled barge captain
6541	security guard - explosives	2273	self-propelled barge deck officer
6316	security guard supervisor	2274	self-propelled barge marine engineer officer
6541	security guard	2273	self-propelled drilling rig captain
6541	security investigator	2274	self-propelled drilling rig chief engineer
0114	security manager	2274	self-propelled drilling rig first engineer
4311	security officer - police	2273	self-propelled drilling rig first mate
6541	security officer, private	2274	self-propelled drilling rig marine engineer officer
6541	security officer	2273	self-propelled drilling rig mate
2171	security planner, systems	2274	self-propelled drilling rig second engineer
0125	security service manager		

2273	self-propelled oil rig deck officer	9461	separator operator - food processing
6611	self-serve gas bar attendant	9461	separator-pasteurizer - food processing
6611	self-serve gas bar cashier	7205	septic system contractor
9523	semiconductor assembler	7441	septic system installer
9222	semiconductor assembly foreman/woman	6732	septic tank cleaner
9523	semiconductor calibrator	7441	septic tank installer
9523	semiconductor material gauger - electronic equipment manufacturing	0651	septic tank service manager
9523	semiconductor mounter	4313	sergeant
2111	semiconductor physicist	0012	sergeant-at-arms, House of Commons
4168	Senate committee officer	9446	serger - garment manufacturing
0011	senator	9446	serging machine operator
1111	senior accounting analyst	5121	serial story writer
1431	senior accounting clerk	5121	serial writer
0122	senior accounts manager - banking, credit and investment	2121	serologist
2161	senior actuarial analyst	3211	serology technologist
3414	senior adjuvant	9418	serrating machine operator
0012	senior administrator, government agency	9418	serrating machine tender - metal products manufacturing
1214	senior administrator, mail facilities	6742	servant, domestic
1311	senior bookkeeper	6513	server - food and beverage services
1225	senior buyer - purchasing	2281	server administrator
6222	senior buyer - retail or wholesale	6552	service adviser
1434	senior claims clerk	6552	service advisor - auto repair
1122	senior consultant, operations management	6525	service agent, guests - hotel
1111	senior cost accountant	3413	service assistant - medical
5122	senior editor	1414	service assistant - telephone system
2274	senior engineer, Coast Guard vessel	3413	service associate - medical
2274	senior engineer, marine - water transport	6621	service attendant - gas station
2234	senior estimator - construction	3413	service attendant - medical
1112	senior financial analyst	6512	service bartender
2223	senior fire control technician	7246	service centre technician - telecommunications
0432	senior firefighting officer	6552	service consultant - auto repair
8221	senior foreman/woman - mining	8411	service crew worker - underground mining
1121	senior industrial relations officer	1525	service dispatcher
1111	senior intern auditor	2133	service engineer, electrical power systems
1112	senior investment officer	7202	service foreman/woman, power lines
6235	senior loans officer	7246	service inspector - telecommunications
0122	senior manager, personal financial services	7244	service lineman/woman - electric power systems
5222	senior motion picture camera operator		
1121	senior negotiating officer - labour dispute resolution	0621	service manager - retail
9232	senior operating technician	0513	service manager, leisure
9232	senior operator - chemical processing	0513	service manager, recreation
2153	senior planner - land use	6552	service representative, business office - telecommunications
1112	senior planning and return analyst	8615	service rig helper - oil field services
1112	senior planning and yield analyst	8615	service rig helper
7381	senior press operator - printing	8232	service rig operator - oil field services
7381	senior pressman/woman - printing	8232	service rig operator
0711	senior project manager, construction	8615	service rig roughneck - oil field services
3215	senior radiation therapy technologist	7441	service routeman/woman, pools
1526	senior schedule writer	1523	service sector worker
1223	senior staffing officer	6621	service station attendant apprentice
6551	senior teller - financial services	6621	service station attendant
1313	senior underwriter - insurance	4423	service station inspector
0013	senior vice-president and chief economist	0621	service station manager
9421	separation press tender	7202	service supervisor, telecommunication lines

7332	service technician - electrical appliances	9523	setter, exhaust equipment - electronic
7332	service technician - gas appliances		equipment manufacturing
2242	service technician - household and business equipment	9418	setter, grid machine
		9619	setter, level vials
7321	service technician - motor vehicle repair	7311	setter, loom - textile manufacturing
7321	service technician, after sales service - motor vehicles	7311	setter, looms
		7311	setter, looper - textile manufacturing
2243	service technician, industrial instruments	9417	setter, machine tools
2242	service technician, office equipment	7283	setter, marble
2243	service technician, process control equipment	9417	setter, milling machines
		7611	setter, monuments
2242	service technicians supervisor - household and business equipment	7311	setter, mules - textile manufacturing
		9537	setter, ornaments
7245	service tracer - telecommunications	9537	setter, pencil maker
7535	service truck driver, heavy equipment	7311	setter, pins - textile manufacturing
6552	service writer - auto repair	9422	setter, plastics-moulding machine
7332	serviceman/woman, electric stoves	9422	setter, plastics-processing machine
7441	servicer, automatic door systems	7311	setter, shuttles - textile manufacturing
7445	servicer, automotive maintenance equipment	7281	setter, simulated stones
7313	servicer, central air conditioning	7611	setter, skids
7445	servicer, dictaphones	8411	setter, steel forms - underground mining
2242	servicer, electronic cash registers	9418	setter, wire loom
7445	servicer, fire equipment	9418	setter, wire-weaving loom
7445	servicer, gas meters	9533	setter, wooden casket moulding
7253	servicer, gas	9533	setter, wooden casket top frames
7535	servicer, heavy equipment	9437	setter, woodworking machines
7531	servicer, locomotives	9437	setter-up, wood cooperage - woodworking
7445	servicer, meters	8211	setting foreman/woman logging
7441	servicer, mobile home equipment	5226	settings shop foreman/woman
7441	servicer, mobile home	4164	settlement counsellor
7445	servicer, parking meters	4164	settlement liaison officer
2242	servicer, photocopy machine	1312	settlement management associate
7535	servicer, pipeline equipment	4164	settlement practitioner
7441	servicer, pools	0411	settlement programs director - government services
7441	servicer, swimming pool		
7441	servicer, water conditioner	1312	settlement specialist
7441	servicer, water heaters	4212	settlement worker - community services
1225	services contracts negotiator	9421	settler-filterer - chemical processing
0413	services manager - education programs	7231	set-up machinist
5133	session musician	9437	set-up man/woman, cooperage - woodworking
5227	set builder		
5243	set decorator - theatre and motion pictures	9412	set-up man/woman, core room - foundry
5243	set designer - theatre	3223	set-up man/woman, dentures
5227	set dresser	9527	set-up man/woman, electrical lamp-making machines
5226	set electrician		
6344	setter - jewellery manufacturing	9417	set-up man/woman, machine tools
8614	setter helper, timber and steel prop	7237	set-up man/woman, resistance welding
7281	setter, artificial stones	9417	set-up operator - metal machining
9537	setter, button machine	9417	set-up operator, aircraft engine parts machine tool
9537	setter, button-covering machine		
9418	setter, can machine	9417	set-up operator, automated machine tool
9418	setter, can-making machine	9435	set-up operator, bag-making machine - paper converting
9525	setter, coil-winding machine - industrial electrical equipment		
		9417	set-up operator, boring mill - metal machining
9435	setter, envelope-flap-cutting machine		
9435	setter, envelope-making machine - paper converting	9414	set-up operator, brick machine - clay products

9473	set-up operator, casing-in machine - printing	2264	sewer inspector, closed circuit TV
9417	set-up operator, diesinking machine	7302	sewer installation foreman/woman
9437	set-up operator, dowel machine - woodworking	7522	sewer jet cleaner operator - public works
		7522	sewer jet machine operator - public works
9417	set-up operator, drill press - metal machining	7621	sewer maintenance worker
9417	set-up operator, EDM (electrical discharge machine)	9212	sewer services foreman/woman
		7621	sewer system maintenance worker
9536	set-up operator, electrostatic painting machine	9446	sewer, fur goods
		9446	sewer, textile products
9417	set-up operator, engine lathe	7522	sewer-flushing truck operator - public works
9537	set-up operator, flatware-buffing machine	7522	sewer-flushing truck operator
9473	set-up operator, gathering machine - printing	7522	sewer-pipe-cleaning machine operator - public works
9417	set-up operator, gear-shaving machine		
9417	set-up operator, grinder - metal machining	4216	sewing instructor - non-vocational
9417	set-up operator, horizontal boring mill	9526	sewing machine assembler
9418	set-up operator, industrial needle machine	9526	sewing machine assembly tester
9417	set-up operator, jig grinder	7445	sewing machine mechanic - domestic
9417	set-up operator, keyseater	7612	sewing machine mechanic helper
9418	set-up operator, link wire machine	9446	sewing machine operator, automatic
9422	set-up operator, machine - plastic manufacturing	9446	sewing machine operator, fur
		9446	sewing machine operator
9417	set-up operator, machine tool	9217	sewing machine operators foreman/woman - fabric, fur and leather products manufacturing
9417	set-up operator, machining equipment		
9418	set-up operator, nail making machine		
9417	set-up operator, numerically controlled (NC) machine tool	9217	sewing machine operators supervisor
		7612	sewing machine repairer helper
9473	set-up operator, perfect binder - printing	6421	sewing machine salesperson - retail
9417	set-up operator, precision grinder	7445	sewing machine servicer - domestic
9417	set-up operator, rotary-head milling machine	4032	sewing teacher - elementary school
9473	set-up operator, saddle stitching machine - printing	4216	sewing teacher - non-vocational
		4031	sewing teacher - secondary school
9418	set-up operator, safety pin machine	4153	sex therapist
9418	set-up operator, spring machine	8431	sexer, chicks
9418	set-up operator, spring-making machine	4153	sexologist
9418	set-up operator, staple machine	9462	shackle hoist operator - meat packing plant
9473	set-up operator, stitching machine - printing	9447	shade matcher - textiles
9437	set-up operator, woodworking machine	9534	shader - furniture finishing and refinishing
7381	set-up technician, flexographic presses - printing	9418	shadow mask shaper
		8411	shaft conveyance operator
2131	sewage control engineer	8231	shaft driller
9212	sewage disposal foreman/woman	8231	shaft inspector
2263	sewage disposal inspector - environmental health	8231	shaft miner
		9215	shake and shingle machine foreman/woman - sawmill
0912	sewage disposal manager		
7611	sewage pipelayer	9436	shake inspector - wood processing
0912	sewage plant manager	9431	shake maker
9243	sewage plant operator	9614	shake packer
0912	sewage treatment plant manager	9431	shake sawyer
7311	sewage treatment plant mechanic	9431	shake splitter
9212	sewage treatment plant supervisor	7445	shaker repairer
0912	sewage treatment system director	8615	shakerhand - oil and gas drilling
9243	sewage-processing equipment tender	8615	shakerhand
9446	sewer - garment manufacturing	9418	shaker-plate tender
7302	sewer construction foreman/woman	3232	shaman
2264	sewer construction inspector	6742	shampooer
7611	sewer digger	9619	shank cementer - shoe manufacturing
7522	sewer flusher operator-driver - public works	9437	shaper - wood products manufacturing

9437	shaper - woodworking	9612	sheet metal polisher and buffer
9437	shaper operator - woodworking	9416	sheet metal roll operator - metal fabrication
9414	shaper operator, cement pipes - concrete products	7233	sheet metal roofer
9417	shaper set-up operator	7201	sheet metal roofing contractor
9437	shaper, gunstocks - woodworking	9416	sheet metal spinner - metal fabrication
9437	shaper, lacrosse sticks - woodworking	7315	sheet metal technician, aircraft
9437	shaper, oars - woodworking	7233	sheet metal work erector
9418	shaper, rivets	7233	sheet metal worker - manufacturing
7235	shaper, structural steel plates	7233	sheet metal worker - specialty manufacturing
9418	sharpener operator, metal blades	7611	sheet metal worker helper - construction
9612	sharpener tender, bits	7233	sheet metal worker, construction
9414	sharpener, grinding stones	7233	sheet metal worker, maintenance
9437	shaver operator - woodworking	7201	sheet metal worker
9437	shaver tender - woodworking	7201	sheet metal workers foreman/woman
9441	shaving machine tender - hide and pelt processing	9433	sheet metal workers supervisor
9612	shear helper - metal fabrication	9433	sheet paper inspector
9416	shear operator - metal fabrication	9411	sheet paper sampler
9416	shear operator	9611	sheet roller - primary metal processing
9416	shear setter - metal fabrication		sheet roller helper - primary metal processing
9416	shearer - metal working	9411	sheet rolling mill operator - primary metal processing
8231	shearer operator - underground mining	9411	sheet rougher - primary metal processing
7311	shearing machine fixer - textile manufacturing	9423	sheet rubber inspector
8231	shearing machine operator - underground mining	9415	sheet steel inspector - primary metal processing
9441	shearing machine tender - textile manufacturing	9423	sheeter - rubber products manufacturing
9441	shearing machine tender	9614	sheeter helper - pulp and paper
7611	sheather helper	9422	sheeter operator - plastic manufacturing
7302	shed foreman/woman - construction	9433	sheeter operator - pulp and paper
0821	sheep farm operator	9416	sheet-metal-embossing machine operator
0821	sheep farmer	9416	sheet-metal-working machine operator - metal products manufacturing
8431	sheep feedlot worker	9416	sheet-metal-working machine set-up operator
8252	sheep handler	9416	sheet-metal-working machine tender - metal fabrication
8252	sheep herdsperson		sheetrock applicator
8431	sheep shearer	7284	shelf stocker - retail
8252	sheep shearing contractor	6622	shelf stocker - supermarket
9462	sheep sticker	6622	shell assembler - explosives
9415	sheet and plate inspector - steel mill	9537	shell core maker - foundry
9535	sheet finisher, plastic	9412	shell mould assembler - foundry
9521	sheet metal assembler - aircraft assembly	9412	shell mould bonder
9416	sheet metal brake tender	9619	shell moulder - foundry
7201	sheet metal contractor	9412	shellac sprayers - furniture finishing and refinishing
9416	sheet metal corrugator	9534	shellacker
9416	sheet metal cutter - metal fabrication	9536	shell-case chamfering machine tender
9416	sheet metal fabrication inspector	9418	shellfish bed attendant
7233	sheet metal fabricator	8613	shellfish checker - fish processing
7233	sheet metal installer	9618	shellfish fisherman/woman
4031	sheet metal instructor - secondary school	8262	shellfish harvester deckhand
7381	sheet metal lithographic press operator	8441	shellfish harvester operator
7381	sheet metal lithographic pressman/woman	8262	shellfish harvester
7233	sheet metal mechanic apprentice	8613	shellfish labourer
7233	sheet metal mechanic	9618	shellfish packer - fish processing
7233	sheet metal model maker	9618	
7233	sheet metal patternmaker		

9618	shellfish processing labourer	7532	ship engine room mechanical assistant
9463	shellfish processor, hand - fish and seafood processing	2274	ship engineer officer
9463	shellfish processor	2273	ship first mate
9463	shellfish separator tender - fish and seafood processing	2262	ship inspector
9463	shellfish shucker - fish and seafood processing	7271	ship joiner
9463	shellfish shucker	7204	ship joiners foreman/woman
9463	shellfish-processor machine tender	1522	ship keeper
4212	shelter supervisor - social services	1315	ship line agent
4212	shelter workshop supervisor	0731	ship line manager
1451	shelving clerk - library	7451	ship loader operator
8252	shepherd	7316	ship machinery fitter
9612	sherardizer helper	7612	ship machinery installer helper
9536	sherardizer	0731	ship management operations manager
4421	sheriff	2273	ship master
4421	sheriff's bailiff	7384	ship model maker
4421	sheriff's officer	6721	ship passenger attendant
3232	shiatsu therapist	2273	ship pilot
7521	shield operator	7252	ship pipefitter
7237	shielded-metal arc welder	6522	ship purser
8221	shift boss - mining and quarrying	2232	ship repair technician
9211	shift co-ordinator, steel mill	7311	ship rigger
8221	shift foreman/woman - mining and quarrying	7201	ship riggers foreman/woman
8221	shift leader - mining and quarrying	7252	ship steamfitter
6313	shift manager, casino	7532	ship stoker
6311	shift manager, fast food restaurant	1522	ship storekeeper
9215	shift operating supervisor - pulp and paper	1522	ship storeman/woman
9212	shift supervisor, petroleum processing	1524	ship supply clerk
9212	shift supervisor, power station	6522	ship supply officer
9431	shingle cutter	7532	ship tunnelman/woman
9436	shingle inspector - wood processing	2273	ship watchkeeping mate
9431	shingle maker	7532	ship watchman/woman
9215	shingle mill foreman/woman - wood processing	4312	shipboard firefighter
9215	shingle mill supervisor - wood processing	1315	shipbroker
7452	shingle piler - material handling	7271	shipbuilding carpenter
7291	shingle roofer	2253	shipbuilding draftsman
7205	shingle roofing contractor	7612	shipbuilding electrician helper
9431	shingle sawyer	2148	shipbuilding engineer
9614	shingle trimmer	9612	shipbuilding fitter helper
7291	shingler trainee	7235	shipbuilding fitter
7291	shingler, asphalt	7271	shipbuilding joiner
7291	shingler, cedar shakes	7235	shipfitter apprentice
7291	shingler, cedar	9612	shipfitter helper
7291	shingler, wood	7235	shipfitter
7291	shingler	7201	shipfitters foreman/woman
1315	ship agent	7451	shiploader operator
7532	ship boiler tender	7452	shipment assembler
6524	ship cargo agent	1521	shipper
0621	ship chandler	1521	shipper-receiver
2148	ship construction engineer	1521	shipping agent
7371	ship crane operator	1215	shipping and receiving clerk
2253	ship detail draftsman	0731	shipping and receiving supervisor
7316	ship engine fitter	1511	shipping and warehousing service manager
7532	ship engine room greaser	1521	shipping clerk - railway transport
		1521	shipping clerk
		1215	shipping clerks supervisor
		1523	shipping control clerk
		1215	shipping co-ordinator

6411	shipping sales representative	6343	shoemaker
0731	shipping services manager	9537	shoe-trimming machine operator - footwear manufacturing
1215	shipping supervisor		
2273	ship's captain	9462	shohet - meat packing plant
7532	ship's carpenter	8615	shooter - seismograph
6322	ship's cook	8615	shooter helper - seismic prospecting
7242	ship's electrician - shipbuilding and repair	6722	shooting gallery operator
7242	ship's electrician - water transport	9533	shop assembler - wood products manufacturing
7242	ship's electrician		
2273	ship's mate	6421	shop clerk
7235	ship's plater	7301	shop foreman/woman, aircraft hydraulics repair
9612	shipwright helper		
7235	shipwright, metal	7301	shop foreman/woman, appliance repair
7271	shipwright, wood	7301	shop foreman/woman, automotive body repair
7612	shipyard electrician helper		
7242	shipyard electrician	7201	shop foreman/woman, boilermaking
9619	shipyard labourer	9226	shop foreman/woman, engine rebuilding (except aircraft)
7201	shipyard machine shop foreman/woman		
9226	shipyard painter foreman/woman	7301	shop foreman/woman, household appliance repair
9619	shipyard painter helper		
9536	shipyard painter	7301	shop foreman/woman, hydraulic unit repair
6741	shirt finisher - laundry and dry cleaning	7301	shop foreman/woman, meter repair
6741	shirt folder - laundry and dry cleaning	7301	shop foreman/woman, motor vehicle repair
9447	shirt inspector	7301	shop foreman/woman, small engine repair
6741	shirt presser - laundry and dry cleaning	7301	shop foreman/woman, transformer repair
6741	shirt-folding machine operator - laundry and dry cleaning	9224	shop foreman/woman, veneering - furniture and fixtures manufacturing
7535	shock absorber installer	7301	shop foreman/woman, wheels - railway equipment
9445	shoe cutter		
9537	shoe decoration assembler - footwear manufacturing	2244	shop inspector - avionics
		7315	shop inspector, aircraft mechanical systems repair
9537	shoe decorator - footwear manufacturing		
5243	shoe designer	7315	shop inspector, aircraft repair
6343	shoe dyer	2244	shop inspector, electrical accessories - avionics
9447	shoe inspector		
9619	shoe manufacturing labourer	0621	shop manager
6343	shoe mender - retail	7246	shop repairer - telecommunications
9445	shoe parts cutter - footwear manufacturing	7301	shop supervisor, automotive body repair
9619	shoe parts dipper	7301	shop supervisor, automotive repair and service
9537	shoe parts fastener		
9619	shoe parts former	7301	shop supervisor, automotive testing
9619	shoe parts marker	7301	shop supervisor, electrical appliance repair
9446	shoe parts sewer	7301	shop supervisor, motor vehicle repair
5245	shoe patternmaker	7301	shop supervisor, small engine repair
0651	shoe repair service manager	7301	shop supervisor, small equipment repair
6343	shoe repairer - retail	6342	shop tailor
9619	shoe repairer helper, factory	7315	shop technician, aircraft hydraulics
9537	shoe repairer, factory	7315	shop technician, aviation mechanical components
6343	shoe repairer		
6421	shoe salesperson - retail	0714	shopping centre maintenance manager
9446	shoe sewer	0714	shopping centre manager
6742	shoe shiner	6541	shopping investigator - security
9537	shoe stitcher, hand	0714	shopping mall maintenance manager
9446	shoe stitcher	0714	shopping mall manager
0621	shoe store manager	0811	shore captain - fishing
9537	shoelace-tipping machine tender	0731	shore captain - water transport
5245	shoe-last patternmaker	7611	shore dredging labourer

8262	shore fisherman/woman	7511	shunter - trucking
7511	short haul truck driver	7511	shunter truck driver
6322	short order cook	9613	shutdown labourer - chemical processing
5121	short story writer	7512	shuttle bus driver
5251	short-distance runner	8411	shuttle car operator
4021	shorthand teacher - business college	9616	shuttle filler - textile processing
5224	short-wave receiving station technician	9437	shuttle finisher - woodworking
8241	shortwood harvester operator	7311	shuttle fixer - textile manufacturing
9611	shot bagger - explosives manufacturing	9533	shuttle inspector, wood
8231	shot firer - underground mining	9437	shuttle maker - woodworking
8231	shot firer	7512	shuttle operator
8221	shot foreman/woman - mining and quarrying	9437	shuttle planer - woodworking
9612	shot grinder - metal products manufacturing	7311	shuttle setter - textile manufacturing
9412	shot maker - foundry	9437	shuttle shaper and tip inserter - woodworking
5251	shot put	6533	sic bo croupier
9612	shotblaster - metal fabrication	7521	side boom operator - pipeline construction
9612	shotblaster	7521	side boom tractor operator
9612	shotblasting machine operator - metal products manufacturing	7237	side seaming tender
9612	shotblasting machine tender - metal products manufacturing	9473	side stitcher, machine
9537	shotgun proof tester	9473	side stitching machine operator - printing
9471	shotgun-shell printer, machine	7312	sideboom mechanic
9471	shotgun-shell-printing machine tender	7611	sider helper
8231	shotman/woman - underground mining	9472	siderographer - printing
7535	shovel oiler	7621	sidewalk cleaner
7521	shovel operator - heavy equipment	7282	sidewalk concrete finisher
8614	shoveller - underground mining	7621	sidewalk snowplough operator
5243	show and demonstration designer	7621	sidewalk-cleaning equipment operator
5232	show horse rider	8232	sidewall core sampler - oil field services
6721	showcase installer	7441	siding applicator
9537	shower door and panel assembler	7622	siding checker-messenger - railway transport
9422	shredder operator - plastic recycling	7205	siding contractor
9461	shredder operator - tobacco processing	7441	siding installer
9437	shredder operator - woodworking	7445	sieve repairer
9461	shredding machine operator - food processing	9615	sifting machine feeder - rubber products manufacturing
9422	shredding machine operator - plastic recycling	7533	sightseeing boat captain
9421	shredding machine tender - chemical processing	7533	sightseeing boat master
9463	shrimp peeler - fish and seafood processing	7533	sightseeing boat operator
9463	shrimp peeler tender - fish and seafood processing	7512	sightseeing bus driver
9463	shrimp processor - fish and seafood processing	6531	sightseeing guide
9537	shrinker, hat cones	7512	sightseeing tour driver
9441	shrinking machine operator - textile manufacturing	6531	sightseeing tour guide, horse-drawn vehicles
9617	shrouder - food and beverage processing	6411	sign and display leasing agent
0822	shrub grower	6411	sign and display sales representative
9463	shucker - fish and seafood processing	7271	sign carpenter
9463	shucker, clams - fish and seafood processing	5241	sign designer
9463	shucker, oysters - fish processing	7441	sign erector, commercial
9463	shucker, scallops - fish and seafood processing	7611	sign erector, highways
7511	shunt truck driver	7441	sign erector
		4423	sign inspector
		7441	sign installer
		4215	sign language instructor
		5125	sign language interpreter
		5125	sign language platform interpreter
		4215	sign language teacher
		5223	sign layout detailer
		9536	sign letterer

9537	sign maker	9417	single-spindle drill press set-up operator - metal machining
5223	sign painter	9411	sink-float equipment operator - metal processing
9536	sign panel primer	9611	sintering machine loader - primary metal processing
9536	sign spray painter	9411	sintering machine operator
9471	sign writer, machine	9211	sintering plant foreman/woman - mineral and metal processing
5223	sign writer	9211	sintering plant foreman/woman - primary metal and mineral products processing
2133	signal engineer	9412	sintering press tender - foundry
7622	signal gang helper	4217	sister/brother - religion
7242	signal maintainer, railway	7302	site foreman/woman, construction
7531	signal tower operator - railway	6531	site interpreter, adventure travel
7245	signal tracer - telecommunications	0711	site manager, construction
7202	signaling system installation foreman/woman	2153	site planner
7531	signalman/woman - railway transport	0711	site superintendent, construction
7531	signalman/woman, railway	9614	sixth hand - pulp and paper
5136	silhouette artist	9441	size maker - textile manufacturing
9523	silicon wafer fabricator	9432	size maker, pulp and paper
9523	silicon wafer grower	9418	sizing and trimming machine adjuster - explosives manufacturing
6741	silk finisher - laundry and dry cleaning	9537	sizing machine operator - fabric
5244	silk flower maker, hand	9441	sizing machine tender - textiles
5136	silkscreen artist	9434	sizing saw tender, plywood - wood processing
9472	silkscreen assembler - printing	9537	skate maker
9441	silk-screen printing machine operator - textile manufacturing	9537	skate press operator
9471	silk-screen printing machine operator	6421	skate shop attendant
5223	silkscreen stencil cutter	5254	skateboarding instructor
5223	silkscreen technician	5251	skater
9471	silk-screen tender - printing	5254	skating instructor, ice
9471	silk-screening machine operator	9441	skein spooler - textile manufacturing
6344	silver chaser	9441	skein winder - textile manufacturing
9536	silver plater	9447	skein yarn examiner - textiles
9536	silver spray operator	9441	skeiner - textile manufacturing
9413	silverer, mirrors	6316	ski area supervisor
9619	silvering machine feeder	5252	ski coach
5244	silversmith	7445	ski equipment repairer
9537	silverware buffer	5254	ski instructor - sports and recreation
6711	silverware cleaner	5254	ski instructor
5244	silverware engraver	6316	ski lift attendant supervisor
9227	silverware manufacturing supervisor	6722	ski lift attendant
6421	silverware salesperson - retail	7311	ski lift mechanic
8211	silviculture contractor	6722	ski lift operator
8211	silviculture supervisor	7311	ski lift repair technician
2223	silviculture technician	6316	ski lift supervisor
2223	silviculture technologist	9537	ski maker
8422	silviculture worker	5254	ski patrol
2223	silviculturist	5254	ski patroller
7281	simulated stone mason	6531	ski resort host/hostess
2173	simulation software design engineer	0632	ski resort manager
2171	simulations analyst - computer systems	6421	ski shop retail clerk
5125	simultaneous interpreter	6722	ski tow attendant
9441	singeing and boiling machine tender - textile manufacturing	6722	ski tow operator
9617	singeing machine tender	7611	skid setter - pipeline construction
5133	singer		
1123	singers agent		
5132	singer-songwriter-composer		
9446	single-needle sewing machine operator		
7291	single-ply roofer		

7452	skidder - fruit packing	9616	slasher operator helper - textile processing
8421	skidder operator - logging	8241	slasher saw operator - logging
8421	skidder operator	9431	slasher saw operator - sawmill
8211	skidders foreman/woman - logging	8241	slasher sawyer operator - logging
5251	skier	9431	slasher trim operator - sawmill
8441	skiffman/woman, fishing vessel	8241	slasher-brusher
9611	skimmer - primary metal and mineral products processing	9437	slat picker - woodworking
9461	skimmer, distillery	9437	slat slicer - wood products
6562	skin care consultant	9414	slate bed maker - clay products
6562	skin care specialist	9414	slate cutter
6562	skin care technician	9414	slate mixer
3111	skin disease specialist	8614	slate picker
7384	skin diver, commercial	9414	slate-cutting and slate-grinding machine tender
9521	skin fitter - aircraft assembly	9462	slaughterer - meat packing plant
3111	skin specialist	9462	slaughterer, ritual - meat packing plant
9422	skin-former machine tender - plastic manufacturing	9462	slaughterer
9463	skinner operator - fish processing	9462	slaughterhouse butcher
9462	skinner, animals - meat packing plant	9213	slaughterhouse foreman/woman
9617	skinning machine feeder - food and beverage processing	9213	slaughtering and meat packing workers foreman/woman
9463	skinning machine setter - fish processing	9537	sleeping bag finisher
8411	skip loader - underground mining	7362	sleeping car conductor
7371	skip operator	6721	sleeping car porter
8411	skip tender - underground mining	9527	sleeve-making machine tender - electrical equipment manufacturing
8411	skip tender	9435	sleeper - paper converting
1435	skip tracer - collection	5232	sleight-of-hand artist
8262	skipper, fishing vessel	9461	sliced cheese maker
8262	skipper, gillnetter	9461	slicing machine operator - food and beverage processing
2273	skipper, tugboat	9461	slicing machine tender - food and beverage processing
9423	skiver - rubber products manufacturing	8232	slickline operator - oil field services
9537	skiver, machine - leather products	8232	slickline operator
9423	skiver, rubber V-belts	9537	slide fastener chain machine tender
9535	skylight assembler - plastic products manufacturing	9418	slide fastener links machine tender
9411	slab caster - steel rolling mill	9418	slide fastener links maker
9423	slab machine operator - rubber products manufacturing	9537	slide fastener machine operator
9414	slab maker, precast concrete	9537	slide fastener machine tender (except plastic products)
9431	slab saw operator	9416	slide forming machine setter - metal fabrication
9421	slabber	9416	slide forming machine set-up operator
9231	slabbing mill roller - primary metal processing	9416	slide forming machine tender - metal fabrication
9615	slab-off machine tender - rubber products manufacturing	9474	slide maker - photographic processing
9615	slab-off man/woman - rubber products manufacturing	9537	slide-fastener-cutting machine operator
5232	slack-rope performer - entertainment	9446	slide-fastener-sewing machine operator
9411	slag pelletizer - primary metal processing	9411	slime recoverer - primary metal processing
8615	slasher - oil and gas	9411	slime recovery operator - primary metal processing
8615	slasher - oil field services	9611	slime recovery plant helper - primary metal processing
9441	slasher - textile manufacturing	9411	slime treater - primary metal processing
8241	slasher loader operator	7611	slinger - construction
8241	slasher operator - logging	7611	slip form curb machine tender
9431	slasher operator - sawmill		
9441	slasher operator - textile manufacturing		

9414	slip mixer tender	7335	small equipment mechanic apprentice
9611	slip sealer - mineral products processing	7335	small equipment repairer
9619	slip seat coverer - furniture assembly	8611	small fruit picker
9445	slipcover cutter - fabric products manufacturing	9526	small marine engine assembler
9446	slipper maker	9522	small parts assembler - motor vehicle manufacturing
9445	slitter and rewinder	9524	small transformer assembler - electrical equipment manufacturing
9422	slitter operator - plastic manufacturing	9524	small transformer core builder
9423	slitter operator - rubber products manufacturing	9524	small transformer inspector
9537	slitter operator, asphalt roofing materials	9524	small transformer tester
9537	slitter tender, knit tubing	7384	small-aircraft model maker
9435	slitter-creaser - paper converting	4216	small-boat navigation instructor
9435	slitter-creaser feeder - paper converting	7612	small-engine mechanic helper
9435	slitter-creaser operator - paper converting	7301	small-engine repair shop foreman/woman
9445	slitter-rewinder	7301	small-engine repair shop supervisor
9435	slitter-scorer - paper converting	7301	small-equipment repair shop supervisor
9441	sliver lapper - textile manufacturing	7301	small-machines repair shop supervisor
6533	slot machine attendant, casino	2142	smelter engineer, minerals
6313	slot machines section head	9211	smelter foreman/woman - primary metal and mineral products processing
6313	slot supervisor	9611	smelter helper
9441	slubber tender - textile manufacturing	9611	smelter labourer
9441	slubber, hand	7611	smelter liner
8411	sludge pump operator - underground mining	9231	smelting furnace operator - primary metal processing
9611	sludge worker - primary metal processing	2142	smelting plant engineer
9613	slug-press feeder	9463	smoke chamber tender, fish - fish processing
9231	slurry controller - primary metal processing	6421	smoke shop clerk
9411	slurry equipment operator - primary metal and mineral products processing	9617	smoked meat preparer - food and beverage processing
9411	slurry equipment operator	9461	smokehouse operator - food and beverage processing
9435	slurry mixer	7281	smokestack bricklayer
8231	slusher operator - underground mining	7384	smokestack repairer
3114	small animal veterinarian	9437	smoking pipe air hole driller
3114	small animal veterinary specialist	9437	smoking pipe burler - woodworking
7384	small arms repairer	9437	smoking pipe maker - woodworking
9537	small arms tester	9437	smoking pipe sander
4163	small business counsellor	9536	smoking-pipe stainer
4111	small claims court judge	9619	smoothing machine tender - shoe manufacturing
1227	small claims court registrar	6711	snack bar attendant
1227	small claims court supervisor	2255	snow controller
7533	small craft operator	7441	snow fence erector
9524	small electric motor assembler	7522	snow removal equipment operator - public works
9524	small electric motor core and shaft assembler	8612	snow shoveller - grounds maintenance
9524	small electric motor tester	7531	snowblower operator - railway
9524	small electrical appliance assembler	5251	snowboarder
9524	small electrical appliance assembly lead hand	5254	snowboarding instructor
9524	small electrical appliances inspector	7521	snow-grooming machine operator
9524	small electrical products assembler	6722	snowmaker
7335	small engine and equipment mechanic	6722	snowmaking equipment operator
9226	small engine assembly foreman/woman	6722	snowmaking facility attendant
9226	small engine assembly supervisor	6722	snowmaking machine operator
7335	small engine mechanic	9526	snowmobile assembler
7301	small engine repair foreman/woman		
7335	small engine repairer		
7335	small engine technician		

9226	snowmobile assembly foreman/woman	4164	social policy planning consultant
9226	snowmobile assembly supervisor	4164	social policy researcher
9526	snowmobile final inspector	4164	social program officer
9526	snowmobile inspector	0411	social programs administrator - government services
6532	snowmobile operations guide		
7334	snowmobile repairer	0411	social programs assistant director - government services
7334	snowmobile repairman/woman		
9526	snowmobile test rider	0411	social programs development chief - government services
7522	snowplough operator, highway		
7522	snowplough operator, road - public works	4151	social psychologist
7621	snowplough operator, sidewalk	4212	social rehabilitation officer
9537	snowshoe weaver	4212	social rehabilitation technician
9214	snowtrack foreman/woman - rubber manufacturing	4212	social rehabilitation worker
		1254	social research assistant (except university)
8412	snubbing-unit operator	4164	social researcher
9461	snuff can inspector	1254	social science research assistant (except university)
9461	snuff dryer - tobacco processing		
9461	snuff grinder - tobacco processing	4164	social science researcher
9461	snuff-blending machine operator - tobacco processing	2161	social science statistician
		4011	social sciences professor - university
9617	snuff-packing machine tender	4031	social sciences teacher - secondary school
9611	soaking pit bottom cleaner - primary metal processing	4169	social scientist
		0423	social service general manager
9537	soap and toilet goods preparations inspector	4164	social service program officer
9421	soap boiler	0423	social services area director
9421	soap chipper	4212	social services assistant
9421	soap cutter and stamper	0423	social services centre administrator
9421	soap flake dryer operator	0423	social services centre director
9421	soap maker	0423	social services centre manager
5252	soccer coach	4164	social services consultant
5251	soccer player	0423	social services department chief
4212	social aid officer	0423	social services department head
4164	social and community care licensing officer	0411	social services director - government services
4169	social and cultural anthropologist		
4212	social animator	0423	social services director
4169	social anthropologist	0423	social services district director
4164	social assistance advisor	0423	social services local manager
0423	social assistance director	0423	social services manager
4212	social assistance officer	4164	social services planner
4164	social assistance policy analyst	4164	social services planning consultant
4155	social assistance program officer - corrections	0411	social services planning manager - government services
4152	social casework consultant	0411	social services policy, planning and research director - government services
6561	social consultant		
4164	social development officer	4164	social services program officers supervisor
0411	social development programs chief - government services	4164	social services program planner
		0423	social services provincial co-ordinator
4169	social ecologist	0423	social services regional administrator
4162	social economist	0411	social services regional director - government services
1226	social events co-ordinator		
4169	social historian	4021	social services teacher - college level
4164	social issues researcher	4212	social services volunteer co-ordinator
0411	social planning director - government services	4212	social services worker
		4164	social survey researcher (except statistician)
4164	social policy advisor	4164	social survey researchers supervisor
4164	social policy analyst	0411	social surveys director - government services
4164	social policy consultant		

4164	social welfare advisor	2173	software engineer
4212	social welfare officer	2282	software installation technician
4164	social welfare research officer	2174	software programmer
4152	social work co-ordinator	2171	software QA (quality assurance) analyst
0411	social work director - government services	2171	software QA (quality assurance) auditor
0423	social work director	2171	software quality assurance (QA) analyst
4152	social work officer	6221	software sales representative
4011	social work professor - university	2173	software systems designer
4152	social work supervisor	2173	software systems integration engineer
4152	social worker, groups	2173	software technical architect
4152	social worker	2282	software technical support analyst
4152	social workers supervisor	2283	software test co-ordinator
5123	society columnist	2283	software tester
5122	society editor	2173	software testing engineer
5123	society journalist	2283	software testing technician
5123	society reporter	2221	soil bacteriological technician
4164	socio-economic research and planning officer	2221	soil bacteriological technologist
4169	sociolinguist	2121	soil bacteriologist
4169	sociologist	2112	soil chemist
4011	sociology professor - university	2123	soil conservationist
9619	sock boarder	2131	soil engineer
9442	sock foot knitter	2123	soil fertility expert
9442	sock knitter - textiles	2264	soil inspector - construction
9442	sock looper	8252	soil preparation contractor
0821	sod farmer	2212	soil science technician - mining
8612	sod layer	2115	soil scientist
8612	sod laying labourer	2231	soil technologist - civil engineering
9421	soda dialyzer	2231	soil testing technologist - civil engineering
9421	soda solution maker	2231	soil testing technologist
9421	soda solution mixer	8252	soil-testing service contractor
9532	sofa inspector - furniture manufacturing	7441	solar heating equipment installer
7514	soft drink driver-salesman/woman	7441	solar heating technician
9617	soft drink mixer	7237	solderer, furnace
9461	soft drink powder mixer	7237	solderer, induction
7514	soft drinks driver	9537	solderer, jewellery
8231	soft rock miner	7237	solderer
9522	soft top trimmer - motor vehicle manufacturing	7237	solderer-dipper
9423	softball centre moulder	9612	soldering machine feeder
2255	softcopy photogrammetrist	7237	soldering machine operator
2173	software architect	9619	sole edge stainer-finisher - shoe manufacturing
2173	software design engineer	9423	sole maker, rubber
2173	software design supervisor	9619	sole-flexing machine tender
2173	software design verification engineer	9537	sole-moulding machine operator - footwear manufacturing
2173	software designer	9537	sole-moulding machine tender - footwear manufacturing
2174	software developer, e-business (electronic business)	9537	sole-moulding machine tender - footwear manufacturing
2174	software developer, e-commerce (electronic commerce)	9537	solenoid valve assembler
2174	software developer, electronic business (e-business)	9423	sole-treading machine tender - rubber footwear manufacturing
2174	software developer, electronic commerce (e-commerce)	0011	solicitor general
2174	software developer	4112	solicitor
0213	software development manager	7331	solid fuel heater installer
2174	software development programmer	7331	solid fuel heating installer
		6221	solid fuel heating sales consultant
		2231	solid waste disposal technician
		2131	solid waste management engineer

0912	solid waste processing district manager	5225	sound recorder
0912	solid waste processing manager	5225	sound recording engineer
0912	solid waste processing operations planning manager	5225	sound recording supervisor
4161	solid waste program co-ordinator	5225	sound recordist
4161	solid waste program manager	5225	sound technician
2111	solid-state physicist	7293	soundproof material installer
5133	soloist	5225	sound-recording and video-recording reproduction equipment operator
9421	solution maker, soda	5225	sound-recording equipment operator
9421	solution mixer - chemical processing	6321	sous-chef
9422	solution mixer operator - plastic manufacturing	8431	soya bean crop worker
9411	solution operator - primary metal and mineral processing	9461	soya mill operator
9422	solvent mixer operator - plastic manufacturing	9465	soybean tester
9421	solvent recovery tender - chemical processing	0651	spa director
6513	sommelier	0651	spa manager
2241	sonar technician	5242	space management consultant
5132	songwriter	2111	space physicist
3216	sonographer - medical	0131	space programs manager - telecommunications
3216	sonography technologist	2146	space reliability specialist
5133	soprano	2241	space vision technologist
9615	sorter - rubber products manufacturing	2147	spacecraft electronics engineer - hardware
9611	sorter and baler, scrap metal - primary metal processing	2133	spacecraft electronics engineer
9447	sorter, boot and shoe	9226	spacecraft subassembly foreman/woman
9615	sorter, footwear - rubber products manufacturing	7611	spacer - pipeline construction
8611	sorter, fruit - farm	8422	spacing saw operator - forestry
9619	sorter, garments - garment manufacturing	8422	spacing saw operator
9447	sorter, leather	4031	Spanish teacher - secondary school
1511	sorter, mail	9521	spar assembler - aircraft assembly
9619	sorter, recyclable materials	9524	spark plug assembler
9619	sorter, shoe parts stock	2131	spatial information systems engineer
9619	sorter, upholstery parts	9523	speaker assembler
8611	sorter, vegetable - farm	0011	speaker, legislative body
1511	sorting and routing clerk	1222	special assistant
9617	sorting machine feeder - food and beverage processing	3413	special care aide - nursing
1511	sorting system operator, mail	3413	special care facility attendant
5225	sound cutter	3413	special care worker - medical
5243	sound designer	1512	special delivery mail carrier
5225	sound editor	6322	special diet cook
5225	sound effects editor	4413	special education assistant
5225	sound effects specialist	4166	special education consultant
5225	sound engineer assistant	4166	special education co-ordinator - education
5225	sound engineer (except professional engineers)	0413	special education programs director
5225	sound engineer	0413	special education services assistant director
7293	sound insulator	4032	special education teacher - elementary school
5225	sound keyer	4032	special education teacher - primary school
5225	sound librarian - audio-recording	4031	special education teacher - secondary school
5225	sound mix engineer	4215	special education technician - persons with disabilities
5225	sound mixer	4212	special education technician - social and community services
5225	sound operator	5227	special effects assistant
		2174	special effects programmer
		5226	special effects technician
		1434	special endorsement clerk - insurance

1226	special events co-ordinator	6562	specialist, hair removal
1226	special events organizer	3111	specialist, heart
1226	special events planner	2232	specialist, HVAC (heating, ventilation and air conditioning) systems
1226	special events program planner		
5122	special features editor	3111	specialist, lungs
9413	special glass cutter	3111	specialist, nerves
4153	special needs counsellor	3111	specialist, nose
4413	special needs educational assistant	3111	specialist, occupational medicine
4032	special needs teacher - elementary school	3113	specialist, oral medicine
4031	special needs teacher - secondary school	4166	specialist, program development - college
6322	special orders cook, hospital	1122	specialist, records management
4413	special programs aide - education	3111	specialist, rehabilitation
4031	special programs teacher - secondary school	2255	specialist, remote sensing (RS) application
0711	special project manager, construction	2255	specialist, RS (remote sensing) application
4112	special prosecutor	6562	specialist, scalp treatment
7246	special services technician - telecommunications	4166	specialist, school adjustment
		3111	specialist, skin
1123	specialist - e-media advertising	1122	specialist, standards
6321	specialist chef	2147	specialist, telecommunications hardware
3111	specialist doctor	2173	specialist, telecommunications software
3111	specialist in cardiology	3111	specialist, throat
3111	specialist in cardiovascular and thoracic surgery	6562	specialist, wax depilation
		6732	specialized cleaner - automobile aesthetics
3111	specialist in community medicine	6732	specialized cleaner
3111	specialist in critical care medicine	7294	specialized painter and decorator
3111	specialist in emergency medicine	9212	specialty chemicals production supervisor
3111	specialist in environmental medicine	6222	specialty food buyer
3111	specialist in epidemiology and community medicine	6332	specialty foods baker - retail
		6332	specialty foods baker
3111	specialist in geriatric medicine	6321	specialty foods chef
3111	specialist in hematopathology	9433	specialty rewinder operator - papermaking
3111	specialist in infectious diseases	5121	specifications writer (except construction)
3111	specialist in infertility	2231	specifications writer, construction
3111	specialist in internal medicine	5121	specifications writer
3111	specialist in medical oncology	3231	spectacle frame fitter
3111	specialist in nuclear medicine	9537	spectacle frame polisher
3111	specialist in physical medicine and rehabilitation	2211	spectroscopic technologist
		2112	spectroscopist, NMR (nuclear magnetic resonance)
3111	specialist in plastic surgery		
3111	specialist in preventive medicine	2112	spectroscopist, nuclear magnetic resonance (NMR)
3111	specialist in pulmonary disease		
3111	specialist in spinal injuries	2211	spectroscopist
3111	specialist in sports medicine	3237	speech aide
3111	specialist in vascular surgery	3141	speech and hearing therapist
3111	specialist physician	3237	speech correctionist - medical
1123	specialist, advertising	3237	speech language assistant
4166	specialist, andragogy	3141	speech pathologist
3141	specialist, audiology	3237	speech technician
6562	specialist, beauty care	3237	speech therapist aide
3111	specialist, children	3237	speech therapist assistant
3143	specialist, clinical occupational therapy	3141	speech therapist
3111	specialist, ears	3237	speech therapy aide
4166	specialist, educational and vocational information	3237	speech therapy assistant
		5121	speech writer
2172	specialist, electronic data processing (EDP)	3141	speech-language clinician
4164	specialist, employment standards	3141	speech-language pathologist clinician
3111	specialist, eyes	3141	speech-language pathologist researcher

3141	speech-language pathologist	9437	splitter - woodworking
3237	speech-language pathology assistant	9431	splitter operator - sawmill
7445	speedometer repairer	9414	splitter tender, stone slabs
9461	spice fumigator - food and beverage processing	9463	splitter, fish - fish processing
9461	spice miller	9431	splitter, machine - sawmill
9461	spice mixer	9437	splitting machine operator cork
9619	spike installer, golf shoes	9423	splitting machine tender - rubber products manufacturing
7531	spike machine operator - railway	9619	splitting machine tender - shoe manufacturing
7531	spike puller machine operator - railway	9537	spoked wheel assembler
7531	spike-driver operator - railway	1123	spokesperson
7531	spiker operator - railway	9461	sponge and dough mixer - food and beverage processing
7531	spiking machine operator - railway	9423	sponge rubber goods inspector
3111	spinal injury specialist	9441	sponge-range operator - textile manufacturing
9437	spindle carver operator - woodworking	3144	spontaneous art teacher - therapy
9461	spinner - food and beverage processing	9616	spool carrier - textile processing
9441	spinner - textile manufacturing	9616	spool hauler - textile processing
5244	spinner, hand	9441	spool winder - textile manufacturing
9416	spinner, metal	9418	spool winder
9421	spinneret pack preparer - chemical processing	9418	spooler - metal products manufacturing
7311	spinning fixer	9441	spooler - textile manufacturing
7311	spinning frame fixer - textile manufacturing	9441	spooler operator, automatic - textile manufacturing
9441	spinning frame tender - textile manufacturing	9615	spooler, latex threads - rubber products manufacturing
9441	spinning machine operator - textile manufacturing	9612	spooler, wires - metal products manufacturing
9441	spinning machine tender - textile manufacturing	9423	spooler-twister operator - rubber products manufacturing
9441	spinning operator - textile manufacturing	9441	spooling machine tender - textile manufacturing
9217	spinning room foreman/woman - textiles	5122	sport desk editor
9217	spinning supervisor - textiles	0513	sport federation director general
7311	spinning technician - textile manufacturing	0513	sport federation general director
9417	spiral bevel-gear cutting machine set-up operator	0513	sport governing agency executive director
9417	spiral bevel-gear generator set-up operator	0513	sport governing body executive director
9473	spiral binding machine operator - printing	0513	sport program administrative co-ordinator
9473	spiral binding worker - printing	9522	sport utility vehicle (SUV) assembler
9411	spiral conveyor attendant	9619	sporting goods filler
9417	spiral gear-generator operator	9537	sporting goods grip-wrapping machine tender
9418	spiral weaving machine operator	9227	sporting goods manufacturing supervisor
9423	spiral wound gasket maker - rubber products manufacturing	6421	sporting goods rental-shop attendant
9421	splash line tender	7445	sporting goods repairer
9423	splicer - rubber products manufacturing	6421	sporting goods salesperson - retail
7245	splicer - telecommunications	0621	sporting goods store manager
7612	splicer helper - telecommunications	4167	sports activities co-ordinator
7245	splicer technician - telecommunications	0513	sports administration director - government
7245	splicer technician - telephone	1123	sports agent
7244	splicer, cables - electric power systems	4167	sports analyst
9474	splicer, films - photographic processing	6722	sports and leisure attendant
9423	splicer, rubber	4167	sports and leisure consultant
9423	splicing machine tender - rubber products manufacturing	4167	sports and leisure counsellor
9441	splicing machine tender - textile manufacturing	0513	sports and leisure director
9441	splitter - hide and pelt processing		
9431	splitter - sawmill		

5254	sports and leisure leader	4167	sports, recreational and leisure programs supervisor
6722	sports and recreation attendant	5231	sportscaster
4167	sports and recreation consultant	0513	sports-service sports programs director
4167	sports and recreation counsellor	7237	spot resistance welder
0513	sports and recreation director	7237	spot welder
5254	sports and recreation leader	5227	spotlight operator
5231	sports announcer	6741	spotter - laundry and dry cleaning
0513	sports association director	9474	spotter, negatives - film processing
6722	sports attendant	9619	spray booth cleaner
9537	sports ball inspector and repairer	9214	spray chamber supervisor - rubber and plastic products manufacturing
9537	sports ball moulder press operator	9421	spray dryer tender - chemical processing
9537	sports ball moulder	9527	spray foam machine operator - electrical equipment manufacturing
5241	sports cartoonist	7445	spray gun repairer
6722	sports centre attendant	9536	spray paint machine operator
5252	sports coach	9536	spray paint machine tender
5123	sports columnist	9536	spray paint operator
5231	sports commentator	9536	spray painter - motor vehicle manufacturing
5253	sports competition judge	9536	spray painter - production
4167	sports consultant	9619	spray painter helper
4167	sports co-ordinator	9536	spray painter, bench
4167	sports counsellor	9536	spray painter, large surfaces
0513	sports director, leisure centre	9536	spray painter, metal products
0513	sports director, recreation centre	9536	spray painter, pipes
0513	sports director	9536	spray painter, products
5122	sports editor	9536	spray painter, signs
6722	sports equipment attendant	9536	spray painter
6722	sports equipment custodian	2271	spray pilot
7445	sports equipment repairer	9534	spray stainer - furniture finishing and refinishing
6722	sports facility attendant	9536	spray stainer - production
0714	sports facility manager	7611	spray truck helper
0513	sports federation director	9441	spray-coating machine tender - textile manufacturing
9537	sports helmet assembler	9536	spray-coating machine tender, hardboard
5254	sports instructor	8616	sprayer - logging and forestry
5253	sports judge	9537	sprayer tender, permanent press - garment and fabric products manufacturing
5254	sports leader	9536	sprayer, ceramic
5253	sports linesman/woman	9422	sprayer, gel coat operator - plastic manufacturing
3111	sports medicine physician	8432	sprayer, hand - greenhouse
3111	sports medicine specialist	9536	sprayer, leather goods
5253	sports official	6741	sprayer, leather or suede - laundry and dry cleaning
4167	sports policy analyst	9534	sprayer, rough shellac - furniture finishing and refinishing
5226	sports program co-ordinator - broadcasting	9534	sprayer, shellac - furniture finishing and refinishing
4167	sports program co-ordinator - sports and recreation	9619	sprayer, toes and heels - shoe manufacturing
0513	sports program director	8612	sprayer, trees
4167	sports program supervisor	9441	spraying machine tender - textile manufacturing
4167	sports programs co-ordinator	9536	sprayman/woman, finished enamel
4167	sports projects officer		
4151	sports psychologist		
5253	sports referee		
5123	sports reporter		
5252	sports scout		
4167	sports supervisor		
5123	sports writer - journalism		
5121	sports writer - novels and books		
4167	sports, fitness or recreation policy analyst		
4167	sports, recreation and leisure supervisor		

7611	spreader box tender	8431	stable worker
9423	spreader machine tender - rubber products manufacturing	8431	stableman/woman
7521	spreader operator - heavy equipment	9411	stack dust leach operator - zinc casting
9423	spreader operator - rubber products manufacturing	7452	stacker - material handling
9615	spreader operator helper - plastic products manufacturing	9619	stacker - printing
9423	spreader tender - rubber products manufacturing	9614	stacker - wood processing
9619	spreader, machine - garment manufacturing	7521	stacker operator - heavy equipment
9522	spring assembler - motor vehicle manufacturing	7452	stacker operator - material handling
9418	spring assembler, machine	9527	stacking machine operator - electrical equipment manufacturing
9418	spring assembly machine operator	7452	stacking machine operator - material handling
9418	spring coiler	7452	stacking machine tender - material handling
9619	spring inserter - furniture manufacturing	8612	stadium groundskeeper
9418	spring inspector	0714	stadium manager
7535	spring installer	1312	staff adjuster - insurance
9418	spring machine operator	5231	staff announcer
9418	spring machine set-up operator	4112	staff counsel
9418	spring tester	0431	staff inspector - police
9418	spring winder	0431	staff inspector
9418	spring-coiling machine operator	4112	staff lawyer
9619	springer - furniture assembly	3012	staff nurse
9418	spring-making machine operator	1121	staff relations administrator
9418	spring-making machine set-up operator	0112	staff relations chief
9418	spring-winding machine operator	0112	staff relations manager
7252	sprinkler and fire protection installer	1121	staff relations officer
7252	sprinkler fitter	4311	staff sergeant - police
7203	sprinkler fitters foreman/woman	4112	staff solicitor
7203	sprinkler system contractor	0431	staff superintendent - police
7252	sprinkler system fitter	2121	staff toxicologist
7252	sprinkler system installer apprentice	0112	staff training and development chief
7203	sprinkler system installer foreman/woman	0112	staff training and development manager
7252	sprinkler system installer (non-construction)	1121	staff training and development officer
7252	sprinkler system installer	1121	staff training and development supervisor
7203	sprinkler system installers supervisor	0112	staff training co-ordinator
7203	sprinkler systems contractor	1121	staff training officer - human resources
7522	sprinkling truck driver - public works	4021	staff training officer - industry
5251	sprinter	5123	staff writer - newspaper
9441	spun yarn doubler - textile manufacturing	1223	staffing adviser
9616	spun yarn linker	1223	staffing analyst
9217	spun yarn preparation supervisor - textile processing	1415	staffing assistant
9616	spun yarn storekeeper	0112	staffing chief
9616	spun yarn weigher	1415	staffing clerk
7612	squeak, rattle and leak locator	1223	staffing co-ordinator
9423	squeegee splicer, rubber	1223	staffing officer
9412	squeezer machine operator - foundry	5226	stage assistant director
9412	squeezer moulder - foundry	5227	stage best boy
9437	squeezer tender - woodworking	7271	stage carpenter
7611	stabber - pipeline construction	5131	stage director - performing arts
7611	stabber	5226	stage electrician
8431	stable assistant	5226	stage manager
8252	stable boss	5132	stage musical director
8431	stable hand	5131	stage producer
		5227	stage production worker
		5227	stage property person
		5243	stage scenery designer
		5226	stage technician

5227	stagehand	9617	starch centrifuge tender
9472	stager - printing	9461	starch converter
5227	staging assistant	9617	starch factory labourer - food and beverage processing
5226	staging supervisor		
7205	stain glass installers foreman/woman	9461	starch maker - food and beverage processing
6741	stain remover		
5244	stained glass artist	9461	starch press tender
5244	stained glass designer	9461	starch presser, corn products
7292	stained glass glazier	9461	starch separator operator
7205	stained glass glaziers foreman/woman	9465	starch tester - food and beverage processing
5244	stained glass painter	9461	starch washer - food and beverage processing
9413	stained glass production worker		
9534	stainer, furniture	6722	starter, golf course
9536	stainer, products	5253	starter, harness racing
9536	stainer, smoking-pipe	5253	starter, horse racing
9619	stainer-finisher, sole edges - shoe manufacturing	7304	station agent - railway transport
		6524	station agent - railway
7271	stair builder-carpenter	6523	station agent, airline
7204	stair builders foreman/woman	7534	station attendant, air transport
7271	stairway carpenter	4311	station duty officer - police
9436	stake grader - wood processing	0512	station manager, broadcasting
7612	stakeman/woman - land surveying	8252	station manager, egg grading
7612	staker - detailer	4311	station officer - police
9537	staking machine tender	9241	station operator - electrical power systems
0621	stamp dealer	6523	station services agent - airline
9619	stamp filler	7612	stationary engine oiler
9537	stamp pad maker	9241	stationary engineer "A" and refrigeration plant operator
1511	stamp-cancelling machine tender - postal services	9241	stationary engineer "B" and refrigeration plant operator
5251	stampede performer		
5251	stampede racer	9241	stationary engineer apprentice
9611	stamper - primary metal processing	9212	stationary engineer foreman/woman
9619	stamper and labeller	9613	stationary engineer helper
9473	stamper, blocking press - printing	9241	stationary engineer, fifth class
9473	stamper, design and lettering - printing	9241	stationary engineer, first class
9473	stamper, gold-leaf - printing	9241	stationary engineer, fourth class
9537	stamper, rings	9241	stationary engineer, hospital
7232	stamping die finisher	9241	stationary engineer, plant maintenance
7232	stamping die maker, bench	9241	stationary engineer, second class
9473	stamping press operator - printing	9241	stationary engineer, steam power plant
5253	standardbred judge - racetrack	9241	stationary engineer, third class
5251	standardbred pacer	9241	stationary engineer
5135	standardized patient	9212	stationary engineers supervisor
2112	standards chemist	7311	stationary farm equipment mechanic
1122	standards co-ordinator	9241	stationary operating engineer
1122	standards specialist	9241	stationary power engineer
5121	standards writer	0621	stationery store manager
4168	standing committee officer	7304	stationmaster - railway transport
9611	standpipe attendant, coke oven	7304	stationmaster
5135	stand-up comedian	1123	stations-relations administrator
9413	staple cutter - glass products manufacturing	2161	statistical analysis supervisor
9441	staple cutter - textile manufacturing	2161	statistical analyst
9418	staple machine set-up operator	1454	statistical assistant
9441	staple processing machine tender - textile manufacturing	1454	statistical clerk
		1213	statistical clerks supervisor
9537	stapling machine tender, box ends	2161	statistical consultant
9537	stapling machine tender	0212	statistical department director

2161	statistical methodologist	6732	steamblaster
1254	statistical officer	6732	steamblasting building cleaner
0212	statistical service manager	9461	steamer - tobacco processing
1254	statistical technician	9441	steamer tender - textile manufacturing
2161	statistician	9463	steamer, clams - fish and seafood processing
9525	stator inspector - industrial electrical equipment	7252	steamfitter - shipbuilding
9525	stator-core and rotor-core builder and welder - industrial electrical equipment	7203	steamfitter foreman/woman
4164	status of women's directorate policy analyst	7252	steamfitter, ships
9431	stave bolt saw operator	7252	steamfitter/pipefitter (non-construction)
9431	stave bolt sawyer - sawmill	7252	steamfitter
9533	stave inspector, wood	7252	steamfitter-pipefitter
9437	stave jointer - woodworking	7203	steamfitters supervisor
9437	stave machine operator - woodworking	9414	steam-pressure cylinder tender - clay products
9437	stave sawyer - woodworking	2253	steel detailer - drafting
9437	stave turner, wood - woodworking	9471	steel die printer
9435	stayer machine tender - paper converting	5244	steel engraver - arts and crafts
9619	steam cabinet attendant - garment manufacturing	7611	steel erector helper
9441	steam cabinet operator - textile manufacturing	7235	steel fabricator - structural metal and platework
6732	steam cleaner	7235	steel fabricator
9461	steam dryer - food and beverage processing	7235	steel fitter - metal platework
9212	steam engineer leader	7235	steel fitter - structural metal
9212	steam engineers foreman/woman	8411	steel form setter - underground mining
6741	steam finisher - laundry and dry cleaning	7611	steel form setting worker
7611	steam fitter's helper - construction	7611	steel forms setter helper
9416	steam hammer operator - metal forging	2253	steel frame draftsman/woman
7252	steam heating installer	2253	steel frame draftsman
9461	steam kettle operator - food and beverage processing	7201	steel frame erectors foreman/woman
7252	steam main servicer	7271	steel framer - carpentry
7445	steam meter repairer	9231	steel heater operator
9241	steam operator	9415	steel inspector - primary metal processing
9461	steam oven operator - food and beverage processing	1523	steel mill control officer
7252	steam pipefitter	0911	steel mill manager
9212	steam plant engineers foreman/woman	9211	steel mill shift co-ordinator
9212	steam plant foreman/woman	9611	steel plant labourer
7311	steam plant maintenance mechanic	9526	steel plate caulker - shipbuilding
9241	steam plant operator	7235	steel plate shaper - ships
9241	steam power plant stationary engineer	9411	steel pourer
6741	steam press operator - laundry and dry cleaning	6221	steel product sales representative
6741	steam presser - laundry and dry cleaning	9411	steel roller
6742	steam room attendant	9411	steel rougher
9441	steam sponger - textile manufacturing	9415	steel sheet inspector - primary metal processing
6711	steam table attendant - food services	9416	steel shot machine operator
9461	steam table operator - food and beverage processing	8241	steel spar operator - logging
9414	steam tank operator - stone products	9411	steel straightener operator
6741	steam tunnel operator - laundry and dry cleaning	7201	steel structure erectors foreman/woman
9241	steam turbine operator - electrical power systems	7201	steel structure forming, shaping and erecting contractor
7311	steam turbine repairer	7271	steel stud framer - carpentry
		9415	steel tester - primary metal processing
		9411	steel treater - primary metal processing
		7201	steel truss erectors foreman/woman
		9418	steel wool machine operator
		9231	steel-degasser process operator

7232	steel-rule die maker	9473	stitcher operator - printing
8411	steelwork erector - underground mining	9437	stitcher operator - woodworking
7384	steeplejack	9473	stitcher set-up operator - printing
9461	steepman/woman - food and beverage processing	9537	stitcher, brooms
9526	steering box assembler	9473	stitcher, hand - binding
9461	stem cutter - tobacco processing	9473	stitcher, machine - binding
9461	stem roller - tobacco processing	9217	stitchers foreman/woman - fabric, fur and leather products manufacturing
9461	stem-flattening machine operator - tobacco processing	9473	stitcher-trimmer operator - printing
9461	stem-flattening machine tender - tobacco processing	9217	stitching department foreman/woman - fabric, fur and leather products manufacturing
9461	stemming machine operator - tobacco processing	9217	stitching department supervisor
9414	stencil cutter - stone products	9446	stitching machine operator - industrial sewing machine
5223	stencil marker - graphic arts	9473	stitching machine operator - printing
5223	stencil marker	9473	stitching machine set-up operator - printing
9472	stencil preparer	8431	stock attendant
9471	stencil silk-screen printing machine operator	5251	stock car racer
9536	stenciller, railway cars	1522	stock clerk - parts and equipment
9441	stender tender	6622	stock clerk - retail
1251	stenotype operator	6211	stock clerks supervisor - retail
9472	step and repeat camera operator	1215	stock clerks supervisor
0621	stereo equipment store manager	1522	stock control clerk
2242	stereo repair technician	1215	stock control supervisor
5225	stereo tape editor	9437	stock cutter - woodworking
9472	stereotyper	1113	stock exchange floor trader
7303	stereotypists and electroplaters foreman/woman	9532	stock grader - furniture manufacturing
3414	sterile processing technician	6622	stock handler - food store
3414	sterile processing worker	1521	stock handler
9232	sterile products processor - chemical processing	7452	stock helper
3414	sterile supply room attendant	1522	stock keeper
3414	sterilization attendant	9615	stock lay-up man/woman - rubber products manufacturing
3414	sterilization processing attendant	5123	stock market reporter
9461	sterilizer machine operator - food and beverage processing	9441	stock mixer - textile manufacturing
9461	sterilizer operator - food and beverage processing	9214	stock preparation foreman/woman - rubber manufacturing
9537	sterilizer operator - surgical equipment manufacturing	9615	stock preparer - rubber products manufacturing
7451	stevedore	1521	stock receiver
7302	stevedores foreman/woman	1522	stock records clerk
7302	stevedoring foreman/woman	6211	stock supervisor - retail
6513	steward - food and beverage services	9432	stock tester - pulp and paper
5253	steward, presiding - racetrack	9432	stock washer - pulp and paper
5253	steward, racetrack	1113	stockbroker
1225	stewardship officer	9447	stocking inspector
9462	sticker, animals - meat packing plant	9446	stocking stitcher
9613	still cleaner - chemical processing	7452	stock-keeper helper
9461	still operator - brewery	7452	stockpiler
5221	still photographer	6622	stockroom clerk - retail
9421	still tender	1113	stocks and bonds trader
9619	stitch separator and simulator - shoe manufacturing	8252	stockyard and herdsman foreman/woman
9446	stitcher - garment manufacturing	8431	stockyard attendant
		7532	stoker - ships
		7331	stoker erector
		3113	stomatologist

9611	stone bed setter - mineral products processing	9527	storage battery charger - electrical equipment manufacturing
9414	stone beveller	7333	storage battery repairer
9414	stone buffer, machine	9525	storage battery salvager
5244	stone carver, hand	9527	storage battery tester
9414	stone driller - stone products	9527	storage battery tube filler - electrical equipment manufacturing
9414	stone driller		
8614	stone duster - underground mining	6421	storage facility rental clerk
9414	stone grinder tender	7302	storage foreman/woman
9415	stone inspector - mineral products processing	7452	storage man/woman
		1225	storage purchasing co-ordinator
9414	stone layout marker	6411	storage services sales representative
9414	stone planer	9619	storage worker - ice processing
9414	stone polisher, hand	7452	storage worker - material handling
9414	stone polisher, machine	6421	store clerk
9211	stone processing foreman/woman	6541	store detective
9414	stone products buffer	5243	store display designer
9414	stone products machine operator	0621	store manager - retail
9211	stone products manufacturing foreman/woman	1522	storekeeper, drilling rig
		1522	storekeeper, ship
9414	stone products moulder	1522	storekeeper
9414	stone products polisher	1522	storeman/woman
9414	stone sandblaster	5135	story teller
9414	stone saw operator	5241	storyboard artist
7445	stone saw setter	5121	storyboarder
9414	stone sawyer - stone products	9536	stove refinisher
7281	stone setter	7332	stove repairer
9414	stone slab splitter tender	7332	stove repairman/woman electric
9414	stone splitter, machine	7332	stove serviceman/woman electric
7611	stone spreader operator, manual	9536	stove varnisher
6344	stonecutter - jewellery	9613	stove-bottom worker
9414	stonecutter - stone products	9613	stove-carriage worker
9414	stonecutter, hand	6524	stowage clerk
9414	stonecutter, monuments - stone products	7451	stower
7281	stonecutter	7452	straddle carrier operator
7205	stonemason foreman/woman	7452	straddle truck operator
7281	stonemason, chimney repair	9417	straight bevel-gear cutting machine set-up operator
7281	stonemason, restoration		
7281	stonemason	9417	straight bevel-gear generator set-up operator
7205	stonemasonry contractor	9416	straight line press setter - metal fabrication
6344	stonesetter - jewellery	5135	straight man
9414	stonework block maker	9416	straightener hand - metal fabrication
9414	stonework drill press operator	9411	straightening feeder operator
9414	stonework engraver - stone products	9411	straightening machine operator
9611	stonework filler - mineral products processing	9416	straightening press operator - metal fabrication
		9423	strainer tender - rubber products manufacturing
9414	stonework moulder		
7384	stonework patternmaker	9412	strand operator - foundry
9414	stonework sandblast operator	9441	strand-forming machine tender - textile manufacturing
9414	stonework saw operator		
9414	stonework stencil cutter		
8231	stope driller - underground mining	9418	stranding machine operator
8221	stope foreman/woman - mining	9423	strap machine tender - rubber products manufacturing
8231	stope miner		
9413	stopper grinder, glass	9423	strap maker, rubber shoes
9527	storage battery assembler	9413	strapping machine operator - glass manufacturing
9527	storage battery assembly line operator		

1224	strata property manager	9472	stripper - printing
2113	stratigrapher	9534	stripper, furniture
5232	street entertainer	9615	stripper, moulded products - rubber and plastic products manufacturing
7522	street flusher operator - public works		stripper, moulds - concrete products manufacturing
7522	street flusher operator	9611	stripper, moulds - plastic manufacturing
6711	street food vendor		stripper, paints
5133	street musician	9535	stripper-assembler, film - printing
4212	street outreach worker	9619	stripper-image assembler - printing
7521	street paver operator	9472	stripper-layout specialist - printing
7521	street paver, asphalt operator	9472	stripping machine operator - tobacco processing
5221	street photographer	9461	stripping machine tender - leather products manufacturing
7305	street railway and subway operators supervisor		stripping machine tender - tobacco processing
7305	street railway operators supervisor	9445	stripping shovel oiler
7522	street sprinkler operator - public works		stripping shovel operator
7522	street sweeper operator - public works	9461	strip-roll-forming machine operator - metal fabrication
7522	street sweeper operator		strip-roll-forming machine tender - metal fabrication
6623	street vendor	7535	striptease dancer
7314	streetcar and subway car mechanic	7521	structural assembler, bench - aircraft assembly
7305	streetcar and subway operators supervisor	9416	structural design engineer
6732	streetcar cleaner		structural design technologist
7512	streetcar conductor	9416	structural draftsman
7314	streetcar mechanic		structural engineer, aerospace
7512	streetcar operator	5232	structural engineer, civil
7305	streetcar operators supervisor	9521	structural engineer
7244	streetlight repairer - electric power systems		structural engineering technician
7244	streetlight repairer	2131	structural geologist
7244	streetlight serviceman/woman - electric power systems	2231	structural glass glazier
7244	streetlight servicer - electric power systems	2253	structural glass installer
4212	streetworker - social services	2146	structural hydraulic jack erector
2146	stress engineer - aerospace	2131	structural investigator
9418	stretcher and tester, metal cables	2131	structural iron erector
9418	stretcher and tester, wire cables	2231	structural ironwork inspector
6741	stretcher dryer - laundry and dry cleaning	2113	structural ironworker
9411	stretcher-leveller operator - primary metal processing	7292	structural metal and platework fabricator apprentice
9441	stretching machine operator - hide and pelt processing	7292	structural metal and platework fabricator
9441	stretching machine tender - textile fibre	7521	structural metal and platework fitter
9441	stretching machine tender - textile manufacturing	2231	structural metal and platework fitter-welder
9441	strike-off machine tender - textile manufacturing	7236	structural metal and platework layout developer
9537	string maker, archery bows	7235	structural metal and platework layout marker
5244	stringed instrument maker	7235	structural metal and platework plater
7445	stringed instrument repairer	7235	structural metal erector
9537	stringer, parachutes	7235	structural metal fabricator
9537	stringer, racquets	7235	structural metal fitter helper
9537	stringing machine feeder	7235	structural metal fitter
9423	strip machine operator - rubber products manufacturing	7236	structural metal fitter-assembler
7302	strip mine blasting foreman/woman	7235	structural metal layout marker
9461	strip-cutting and blending operator - tobacco processing	9612	structural metal worker
9461	strip-cutting machine tender - tobacco processing	7235	

7611	structural plate fitter helper - construction	9617	stunner and shackler - meat packing
7315	structural repair technician	5226	stunt co-ordinator
7235	structural steel and platework fitter	5232	stunt performer
7201	structural steel contractor	5232	stunt rider
2253	structural steel detailer	5232	stuntman/woman
2253	structural steel drafter-detailer	6341	stylist, hair
2253	structural steel draftsman	9521	subassembler - aircraft assembly
7201	structural steel erecting contractor	9532	subassembler - furniture manufacturing
7611	structural steel erector helper	9522	subassembler - motor vehicle manufacturing
7236	structural steel erector	9525	subassembler, electrical control panels
7235	structural steel fabricator	9523	subassembler, electronic equipment
9612	structural steel fitter helper	9537	subassembler, pianos
7235	structural steel fitter	4423	subdivision control officer
2264	structural steel inspector	5122	sub-editor
7235	structural steel plate shaper	4166	subject consultant - education
7235	structural steelwork and platework fitter	0433	sub-lieutenant
7441	structure seat installer	7237	submerged arc welder
7315	structure technician, aircraft	7237	submerged arc welding machine operator
2146	structures aerospace engineer	1511	sub-post office clerk
7315	structures mechanic	6623	subscription agent - retail
7284	stucco lather	1411	subscription clerk
7284	stucco plasterer	6211	subscription sales team leader
7205	stucco plasterers foreman/woman	6623	subscription solicitor
0421	student activities dean	2145	subsea engineer
4033	student affairs and employment officer	2145	subsea equipment engineer, offshore drilling rig
0421	student affairs director		
1221	student aid officer	4421	sub-sheriff
1221	student assistance officer	4212	substance abuse worker
3217	student cardiology technologist	7243	substation electrician - electrical power system
4033	student counsellor		
3221	student dental mechanic	9241	substation inspector - electrical power systems
3221	student denturist		
4033	student employment services co-ordinator	9241	substation operator - electrical power systems
6235	student loans officer		
3216	student medical sonographer	9613	substation operator helper
4413	student monitor	9241	substation operator
3231	student optician	4031	substitute high school teacher
1223	student placement officer	4032	substitute teacher - elementary school
6731	student residence cleaner	4031	substitute teacher - secondary school
0632	student residence manager	7305	subway and street railway operators supervisor
4033	student services counsellor		
3216	student sonographer - medical	7305	subway and streetcar operators supervisor
4413	student support assistant	6732	subway car cleaner
4112	student-at-law	7314	subway car mechanic
5226	studio administrator	7305	subway controller
5222	studio camera operator	7305	subway operators foreman/woman
7271	studio carpenter	7305	subway operators supervisor
5226	studio electrician	1526	subway scheduler
5226	studio manager - broadcasting	7305	subway system traffic controller
5226	studio manager	7305	subway traffic controller
5225	studio operator, audio recording	7512	subway train operator
9472	studio-image-processing system operator	1228	succession duty auditor - taxation
9537	stuffing machine operator	6741	suede cleaner - laundry and dry cleaning
9537	stuffing machine tender - toys	0821	sugar beet farmer
9537	stuffing machine tender	9617	sugar boiler helper
9437	stummel trimmer - woodworking	9461	sugar boiler
9437	stummel turner - woodworking	8431	sugar bush worker

9213	sugar filter house foreman/woman	0731	superintendent, marine operations
9617	sugar grinder	0714	superintendent, mechanical services
0821	sugar maple grower	0911	superintendent, mill
9213	sugar processing workers foreman/woman	0811	superintendent, mine
9213	sugar refining foreman/woman	0811	superintendent, oil and gas drilling
9465	sugar tester	0711	superintendent, pipeline construction
8431	sugar-beet farm worker	0714	superintendent, plant maintenance
8252	sugarbush operation foreman/woman	0911	superintendent, production
9461	sugar-processing machine operator	7205	superintendent, race track maintenance
5251	sulky driver	0731	superintendent, rail operations
9421	sulphonator	0911	superintendent, refinery
9411	sulphur control operator - zinc pressure leach	0422	superintendent, regional schools
		0422	superintendent, schools
9613	sulphuric acid plant operator helper	0811	superintendent, underground mine
9232	sulphuric acid plant operator	9212	superintendent, water treatment plant
6742	suntan studio attendant	0811	superintendent, woods
6533	super pan 9 croupier	4111	superior court justice
1434	superannuation clerk - financial sector	6331	supermarket butcher
1432	superannuation clerk - government	6611	supermarket cashier
9614	supercalender helper - pulp and paper	6622	supermarket clerk
9433	supercalender operator - pulp and paper	6211	supermarket department supervisor
1521	supercargo	7452	supermarket jigger operator
9441	super-draft tender	0621	supermarket manager
6733	superintendant, live-in	6331	supermarket meat cutter
2122	superintendent - forestry	6622	supermarket produce clerk
0431	superintendent - police	4212	supervised access worker
0422	superintendent of academic affairs	6321	supervising chef
0422	superintendent of education programs in public schools	2144	supervising engineer - petrography
		2144	supervising engineer - rock sciences
0422	superintendent of education programs	9222	supervisor - electronic equipment manufacturing
0422	superintendent of educational services		
0422	superintendent of elementary education	9213	supervisor - meat packing
0422	superintendent of elementary schools	6211	supervisor - retail
0012	superintendent of financial institutions	9213	supervisor - vegetable packing
0422	superintendent of operations - schools	3234	supervisor ambulance attendants
0714	superintendent of operations, maintenance	7205	supervisor bricklaying
0422	superintendent of professional development - schools	7205	supervisor cement finishing
		1212	supervisor of accounting
0422	superintendent of secondary schools	7302	supervisor of public works road maintenance workers
6525	superintendent of services - hotel		
0422	superintendent of special education	9213	supervisor, abattoir
0422	superintendent of student services	1111	supervisor, accountants
0731	superintendent of transportation	1212	supervisor, accounting clerks
0731	superintendent, airline	6314	supervisor, accounts
0711	superintendent, bridge construction	5241	supervisor, advertising art
6733	superintendent, building	1213	supervisor, advertising clerks
0711	superintendent, construction	1215	supervisor, aerodrome
0211	superintendent, engineering service	2222	supervisor, agricultural products inspection
0212	superintendent, experimental farm	2271	supervisor, air pilots and flight engineers
0911	superintendent, factory	1215	supervisor, air transport operations support
2225	superintendent, greens	1215	supervisor, air transport operations
0511	superintendent, historical park	9226	supervisor, aircraft assembly
7302	superintendent, longshore workers	7301	supervisor, aircraft maintenance - aircraft mechanical systems
0132	superintendent, mail processing plant		
0714	superintendent, maintenance and service	7301	supervisor, aircraft maintenance engineers (AME)
0714	superintendent, maintenance operations		
0714	superintendent, maintenance		

7301	supervisor, aircraft maintenance mechanical systems	9213	supervisor, bottling
7301	supervisor, aircraft maintenance service	9213	supervisor, brewery
7301	supervisor, aircraft mechanical systems maintenance service	7205	supervisor, bricklayer
7301	supervisor, aircraft servicing	7205	supervisor, building insulation
1215	supervisor, airline load control	7305	supervisor, bus drivers
6313	supervisor, airline sales and service agents	6222	supervisor, buyers
9217	supervisor, alterations - clothing manufacturing	4423	supervisor, by-law enforcement officers
3234	supervisor, ambulance services	7202	supervisor, cable installation
6563	supervisor, animal attendants	7202	supervisor, cable maintenance and repair
4423	supervisor, animal control	7202	supervisor, cablevision technicians
6316	supervisor, apparel and furnishings service workers	6314	supervisor, call centre agents
7301	supervisor, appliance repair shop	7205	supervisor, camera repair shop
2231	supervisor, architectural and engineering technologists and technicians	9217	supervisor, card room - textiles
3144	supervisor, art therapists	3217	supervisor, cardiology
9217	supervisor, assemblers - fabric, fur and leather products manufacturing	3214	supervisor, cardiopulmonary technology
9214	supervisor, assemblers - rubber and plastic products manufacturing	3214	supervisor, cardiovascular perfusion
9221	supervisor, assembly - motor vehicle manufacturing	7204	supervisor, carpenters
9222	supervisor, assembly and test - electronics manufacturing	7204	supervisor, carpentry
9222	supervisor, assembly and test electronic equipment manufacturing	6315	supervisor, carwash
9222	supervisor, assembly and test	6211	supervisor, cashiers - retail
1212	supervisor, assessment clerks	9211	supervisor, cement manufacturing
6316	supervisor, athletic club attendants	9211	supervisor, cement processing
1211	supervisor, attendance records	3414	supervisor, central supply room - hospital
1111	supervisor, auditors	6315	supervisor, chambermaids
7301	supervisor, automotive body repair shop	9221	supervisor, chassis assembly - motor vehicle manufacturing
7301	supervisor, automotive body shop	7305	supervisor, chauffeurs
7301	supervisor, automotive repair and service shop	9212	supervisor, chemical processing
7301	supervisor, automotive service mechanics	1212	supervisor, claims adjusters
7301	supervisor, automotive testing shop	9211	supervisor, clay, glass and stone furnace and kiln operators
6313	supervisor, baggage porters	6315	supervisor, cleaners
9213	supervisor, bakery plant	6315	supervisor, cleaning and maintenance
1212	supervisor, bank clerks	3214	supervisor, clinical perfusion
6512	supervisor, bartenders	9227	supervisor, clock and watch assembly repairers
9227	supervisor, bicycle assembly	9227	supervisor, clock and watch assembly
7205	supervisor, bicycle repair shop	6316	supervisor, clubhouse attendants
6316	supervisor, billiard parlour	1212	supervisor, collection clerks
1212	supervisor, billing	6316	supervisor, commercial security officers
7303	supervisor, binders - printing	6316	supervisor, commissionaires
7303	supervisor, bindery - printing	1213	supervisor, communication clerks
7303	supervisor, bindery workers - printing	9222	supervisor, communications equipment assembly - electronic equipment manufacturing
9221	supervisor, body shop - motor vehicle manufacturing	9222	supervisor, communications equipment testing - electronic equipment manufacturing
7301	supervisor, body shop	9222	supervisor, communications equipment testing - electronics manufacturing
7201	supervisor, boilermakers	7303	supervisor, composing room - printing
1212	supervisor, bookkeepers and accounting clerks	7303	supervisor, compositors - printing
		2281	supervisor, computer network technicians
		2281	supervisor, computer operations
		8221	supervisor, construction - underground mining and quarrying
		7202	supervisor, construction electricians
		2264	supervisor, construction inspectors

7205	supervisor, construction painters	9223	supervisor, electrical appliance assemblers
1211	supervisor, contract clerks	9223	supervisor, electrical appliance assembly
1213	supervisor, copyright clearance	9223	supervisor, electrical appliance manufacturing
4422	supervisor, correctional officers		
1213	supervisor, correspondence clerks	7301	supervisor, electrical appliance repair shop
1111	supervisor, cost accounting	9223	supervisor, electrical equipment manufacturing
4153	supervisor, counselling programs		
1213	supervisor, court reporters	7202	supervisor, electrical installation
1212	supervisor, credit clerks	7202	supervisor, electrical load testers
1215	supervisor, crew schedulers	7202	supervisor, electrical power inspectors and testers
1215	supervisor, crew schedules		
9211	supervisor, crushing and grinding - primary metal and mineral products	7202	supervisor, electrical wiring inspectors
		7202	supervisor, electricians
9214	supervisor, curing - rubber products manufacturing	9222	supervisor, electronic assembly
		1211	supervisor, electronic data processing (EDP) unit
6314	supervisor, customer service clerks		
6314	supervisor, customer service representatives - financial services	9222	supervisor, electronic equipment fabricating and assembling
6314	supervisor, customer service representatives	2242	supervisor, electronic equipment installation and repair
1212	supervisor, customs brokerage clerks		
1213	supervisor, customs clerks	2242	supervisor, electronic service technician
1228	supervisor, customs inspection	9222	supervisor, electronics manufacturing
9217	supervisor, cutters - fabric, fur and leather products manufacturing	9226	supervisor, electroplating
		7301	supervisor, elevator maintenance service
3144	supervisor, dance therapists	9226	supervisor, engine assembly (except aircraft)
1211	supervisor, data control	9221	supervisor, engine dress - motor vehicle manufacturing
1211	supervisor, data entry clerks		
2172	supervisor, database management - computer systems	4161	supervisor, environmental program development
7305	supervisor, delivery drivers	1228	supervisor, excise tax officers
6211	supervisor, delivery persons	1215	supervisor, export traffic
3223	supervisor, dental technician	7205	supervisor, exterminating service
1211	supervisor, desktop publishing operators	9214	supervisor, extruding - rubber and plastic products manufacturing
1211	supervisor, desktop publishing system		
3216	supervisor, diagnostic ultrasound	9214	supervisor, extrusion - rubber and plastic products manufacturing
9211	supervisor, die casting		
1215	supervisor, dispatchers	9217	supervisor, fabric products embroidery
5243	supervisor, display design	7202	supervisor, factory electricians
1215	supervisor, distribution	1211	supervisor, filing clerks
6211	supervisor, door-to-door salespersons - retail	1211	supervisor, filing service
2253	supervisor, drafting office	7303	supervisor, film developers
2253	supervisor, drafting	7303	supervisor, film printing
3144	supervisor, drama therapists	7303	supervisor, film processing
9217	supervisor, dressmakers	7303	supervisor, film processors
9217	supervisor, dressmaking department	7303	supervisor, filmsetter operators
7305	supervisor, driver-salesmen/women	9221	supervisor, final assembly - motor vehicle manufacturing
9223	supervisor, dry cell assemblers		
6316	supervisor, dry cleaners	9222	supervisor, final assembly and testing - electronic equipment manufacturing
6316	supervisor, dry cleaning		
7205	supervisor, drywall installers	1212	supervisor, financial accounting
9217	supervisor, dye room - textiles processing	1213	supervisor, fingerprint classifier
9217	supervisor, dyehouse - textile processing	9214	supervisor, finishing - plastic products manufacturing
9217	supervisor, dyeing - textiles		
4162	supervisor, economic research group	7303	supervisor, finishing - printing
1211	supervisor, EDP (electronic data-processing) unit	9214	supervisor, finishing - rubber products manufacturing
4166	supervisor, education policy	9217	supervisor, finishing - textiles

9214	supervisor, finishing and trimming - rubber and plastic products manufacturing	9226	supervisor, helicopter assembly
9217	supervisor, finishing department - textile processing	8252	supervisor, hog farm workers
9213	supervisor, fish freezing	8255	supervisor, horticulture workers
9213	supervisor, fish processing	9214	supervisor, hose building - rubber products manufacturing
2222	supervisor, fish products inspection	1211	supervisor, hospital admitting clerks
2224	supervisor, fisheries inspectors	6313	supervisor, hotel clerks
2224	supervisor, fisheries officers	1121	supervisor, human resources
4167	supervisor, fitness programs	4164	supervisor, Human Rights Commission officers
5254	supervisor, fitness	6316	supervisor, ice rink
1215	supervisor, flight crew scheduling	1228	supervisor, immigration officers
7205	supervisor, floor covering	1215	supervisor, import traffic
9213	supervisor, food and beverage processing	7202	supervisor, industrial electricians
6311	supervisor, food concession	7301	supervisor, industrial mechanics
9213	supervisor, food product graders	6314	supervisor, information clerks
9213	supervisor, food product testers	9214	supervisor, injection moulding - plastic products manufacturing
6311	supervisor, food services	9214	supervisor, inner tube building
9213	supervisor, food testing	6231	supervisor, insurance agents
9214	supervisor, footwear inspection - rubber products manufacturing	9222	supervisor, integrated-circuit-board fabrication - electronic equipment manufacturing
8211	supervisor, forest operations	1111	supervisor, internal audit - finances
9215	supervisor, forest products processing	1111	supervisor, internal auditors - finances
8211	supervisor, forestry crew	1215	supervisor, inventory clerks
2223	supervisor, forestry technicians	7201	supervisor, ironworks
8211	supervisor, forestry	6315	supervisor, janitors
1122	supervisor, forms management analysts	9227	supervisor, jewellery assembly
9211	supervisor, foundry	1215	supervisor, job order clerks - manufacturing
1215	supervisor, freight forwarding unit	9217	supervisor, knitting - textile processing
1215	supervisor, freight traffic scheduling	9217	supervisor, knitting
1215	supervisor, freight	2154	supervisor, land survey
2222	supervisor, fruit and vegetables inspection centre	8255	supervisor, landscaping
9217	supervisor, fur dressing	7205	supervisor, latherers
9224	supervisor, furniture and fixture manufacturing	6316	supervisor, launderers
9224	supervisor, furniture finishers	6316	supervisor, laundry
9217	supervisor, furriers	1213	supervisor, law archivists
6313	supervisor, gaming tables	1213	supervisor, legal services record writers
7301	supervisor, garage - motor vehicles	9227	supervisor, lens manufacturing (non-prescription)
9212	supervisor, gas field	1214	supervisor, letter carriers
7203	supervisor, gas fitters	1213	supervisor, library clerks
7203	supervisor, gas service	5111	supervisor, library
9212	supervisor, gas transmission	1213	supervisor, licence clerks
1211	supervisor, general office clerks	6316	supervisor, lift operations
9211	supervisor, glass cutters	7305	supervisor, light rail transit (LRT) operators
7205	supervisor, glazier	7202	supervisor, line and cable installation and maintenance
7205	supervisor, glazing	7202	supervisor, line and cable workers
5241	supervisor, graphic arts room	1215	supervisor, load control
8255	supervisor, groundsman/woman	8211	supervisor, logging
8255	supervisor, groundsperson - campground	1215	supervisor, logistics
4212	supervisor, halfway house	6541	supervisor, loss prevention officers
7303	supervisor, hand compositors	7301	supervisor, machine fitters
9217	supervisor, hat dyers	7201	supervisor, machine shop
2263	supervisor, health officers	7201	supervisor, machining
7301	supervisor, heavy equipment mechanics		
7302	supervisor, heavy equipment operators		

7201	supervisor, machinists	9213	supervisor, packaging - food and beverage processing
1214	supervisor, mail and postal clerks	9214	supervisor, paint department - plastic products manufacturing
1214	supervisor, mail carriers	9214	supervisor, paint department - rubber products manufacturing
1214	supervisor, mail clerks	9221	supervisor, paint shop - motor vehicle manufacturing
7202	supervisor, maintenance electricians	7205	supervisor, painters and decorators
8255	supervisor, maintenance worker - campground	9215	supervisor, paper converting
1215	supervisor, manufacturing order clerks	9215	supervisor, paper mill
1215	supervisor, material clerks	8255	supervisor, park labourers
9214	supervisor, matting inspection - rubber products manufacturing	6316	supervisor, park
9213	supervisor, meat packing	6316	supervisor, parking lot
7301	supervisor, mechanical maintenance - manufacturing	1215	supervisor, parts clerks
7301	supervisor, mechanical maintenance	1215	supervisor, parts service
3211	supervisor, medical laboratory	1213	supervisor, passport office
3215	supervisor, medical radiation technologists	1212	supervisor, payment processing unit
1252	supervisor, medical records technicians	1212	supervisor, payroll clerks
1252	supervisor, medical records unit	1212	supervisor, payroll
3216	supervisor, medical sonographers	1211	supervisor, personnel clerks
9211	supervisor, melting and roasting department	7205	supervisor, pest control
1212	supervisor, merchandise clerks	9212	supervisor, petroleum refining
1214	supervisor, messenger service	9212	supervisor, pharmaceuticals production
7201	supervisor, metal mould and metal patternmakers	7303	supervisor, photocomposer operators
9214	supervisor, millroom - rubber products manufacturing	1211	supervisor, photocopy unit
9227	supervisor, millwork assembly	7303	supervisor, photographic and film processing
8221	supervisor, mine	7303	supervisor, photographic processors
9214	supervisor, mixing - rubber and plastic products manufacturing	5221	supervisor, photography
9226	supervisor, mobile home assembly	3142	supervisor, physical therapy
5224	supervisor, mobile radio broadcasting	3142	supervisor, physiotherapy
9221	supervisor, motor vehicle assembly	7203	supervisor, pipe fitters
7301	supervisor, motor vehicle mechanics	9212	supervisor, pipeline operation
7301	supervisor, motor vehicle repair shop	7202	supervisor, plant electricians
9214	supervisor, moulding - rubber and plastic products manufacturing	7205	supervisor, plastering
7305	supervisor, moving van drivers	9214	supervisor, plastic products inspection
4423	supervisor, municipal law enforcement officers	9214	supervisor, plastic products inspectors
3144	supervisor, music therapists	9214	supervisor, plastic products manufacturing
6313	supervisor, night clerks - hotel	9214	supervisor, plastics-processing shop
3215	supervisor, nuclear medicine technologists	7303	supervisor, platemakers
3215	supervisor, nuclear medicine	7303	supervisor, platemaking - printing
8255	supervisor, nursery workers	7303	supervisor, plateroom - printing
1211	supervisor, nursing registry	7201	supervisor, platework fabricators
3011	supervisor, nursing ward	7203	supervisor, plumbers
3011	supervisor, nursing	6316	supervisor, pool parlour
2263	supervisor, occupational health	1214	supervisor, postal clerks
1211	supervisor, office clerks	1214	supervisor, postal station employees
1211	supervisor, office machine operators	1214	supervisor, postal station
1211	supervisor, office services	1214	supervisor, postal workers
7302	supervisor, oil field construction	9213	supervisor, poultry graders
8221	supervisor, open pit mine	7202	supervisor, power linemen/women and cable installers
9211	supervisor, ore milling	9212	supervisor, power station
		7202	supervisor, power system electricians
		7202	supervisor, power systems electricians
		7303	supervisor, prepress - printing
		7303	supervisor, prepress workers

7303	supervisor, press - printing	6232	supervisor, real estate agents
7303	supervisor, pressroom - printing	1215	supervisor, receiving clerks
1211	supervisor, price information clerks	1215	supervisor, receiving
6211	supervisor, price markers - retail	1211	supervisor, receptionists and hostesses
9211	supervisor, primary metal and mineral products processing	1211	supervisor, receptionists
7303	supervisor, printers	1211	supervisor, records clerks
7303	supervisor, printing press operators	1122	supervisor, records filing systems analysts
7303	supervisor, printing	1211	supervisor, records office
6541	supervisor, private investigators	4167	supervisor, recreation and leisure
6541	supervisor, private police agents and investigators	4167	supervisor, recreational and leisure programs
6541	supervisor, private policemen/women and investigators	1113	supervisor, registered representatives
7301	supervisor, processing and packaging equipment maintenance	1211	supervisor, registration unit
9222	supervisor, production - electronic equipment manufacturing	3144	supervisor, remedial gymnasts
9213	supervisor, production - food and beverage processing	6313	supervisor, reservations - hotel
7303	supervisor, production - printing	7204	supervisor, residential construction
1215	supervisor, production clerks	7202	supervisor, residential electricians
7301	supervisor, production equipment maintenance mechanic	3214	supervisor, respiratory therapy
7301	supervisor, production machinery maintenance mechanic	9214	supervisor, retread tire inspection - rubber products manufacturing
1215	supervisor, production planning clerks	6316	supervisor, rink
4167	supervisor, programs - sports and leisure	9214	supervisor, roll building - rubber products manufacturing
1111	supervisor, public accountants	7205	supervisor, roof shingling
2263	supervisor, public health inspectors	7205	supervisor, roofers and shinglers
1213	supervisor, public opinion interviewers	7205	supervisor, roofing
8255	supervisor, public works grounds maintenance labourers	9214	supervisor, rubber footwear moulding
8255	supervisor, public works grounds maintenance workers	9214	supervisor, rubber goods dipping
7302	supervisor, public works maintenance equipment operators	9214	supervisor, rubber hose building
7302	supervisor, public works road maintenance labourers	9214	supervisor, rubber products inspection
1213	supervisor, publication clerks	9214	supervisor, rubber products inspectors
1215	supervisor, purchasing clerks	9214	supervisor, rubber products manufacturing
1225	supervisor, purchasing	6211	supervisor, sales clerks
9214	supervisor, quality control - rubber and plastic products manufacturing	9211	supervisor, salt milling
8221	supervisor, quarry	9214	supervisor, sampling - rubber and plastic products manufacturing
3215	supervisor, radiation therapists	9215	supervisor, sawmill
5224	supervisor, radio broadcasting equipment operators	1215	supervisor, scheduling clerks
2242	supervisor, radio repair	7305	supervisor, school bus drivers
3215	supervisor, radiography technologists	6316	supervisor, security guards
3215	supervisor, radiography	2242	supervisor, service technicians - household and business equipment
7301	supervisor, railway car maintenance	9212	supervisor, sewage treatment plant
7301	supervisor, railway car repairers	9217	supervisor, sewing machine operators - fabric, fur and leather products manufacturing
7301	supervisor, railway equipment department	7201	supervisor, sheet metal roofers
6313	supervisor, railway station clerks	7201	supervisor, sheet metal workers
7304	supervisor, railway transport operations	9215	supervisor, shingle mill - wood processing
1215	supervisor, ramp services - airport	9226	supervisor, shipbuilding
		1215	supervisor, shipping and receiving
		1215	supervisor, shipping clerks
		1215	supervisor, shipping
		9227	supervisor, silverware manufacturing
		6316	supervisor, ski lift attendants
		9213	supervisor, slaughterhouse
		9226	supervisor, small engine assembly

7301	supervisor, small-engine repair shop	9217	supervisor, textile processing
7301	supervisor, small-equipment repair shop	6316	supervisor, theatre attendants
7301	supervisor, small-machines repair shop	9214	supervisor, thermoforming - plastics products manufacturing
9226	supervisor, snowmobile assembly		
4164	supervisor, social services program officers	6316	supervisor, ticket clerks
4164	supervisor, social survey researchers	6316	supervisor, ticket sellers
2173	supervisor, software design	6316	supervisor, ticket takers
5225	supervisor, sound recording	7205	supervisor, tilesetters
9212	supervisor, specialty chemicals production	7205	supervisor, tilesetting
9217	supervisor, spinning - textile processing	9214	supervisor, tire building
9227	supervisor, sports equipment assembly	9214	supervisor, tire finishing
9227	supervisor, sports equipment manufacturing	9214	supervisor, tire inspection
4167	supervisor, sports programs	9214	supervisor, tire retreading
4167	supervisor, sports, recreation and leisure	9214	supervisor, tire stock preparation
4167	supervisor, sports, recreational and leisure programs	9214	supervisor, tire tube building
		9213	supervisor, tobacco processing
4167	supervisor, sports	9213	supervisor, tobacco-processing machine operators
9214	supervisor, spray chamber - rubber and plastic products manufacturing	6316	supervisor, toll bridge attendants
7203	supervisor, sprinkler system installers	7201	supervisor, tool and die inspectors
1121	supervisor, staff training and development	7201	supervisor, tool and die makers
9212	supervisor, stationary engineers	1215	supervisor, tool keepers
1213	supervisor, statistical clerks	7201	supervisor, tooling inspectors
7203	supervisor, steamfitters	6313	supervisor, tour guides
9217	supervisor, stitching department - fabric, fur and leather products manufacturing	9227	supervisor, toy manufacturing
		9226	supervisor, tractor-trailer assembly
6211	supervisor, stock clerks - retail	1215	supervisor, traffic and distribution
1215	supervisor, stock clerks	2275	supervisor, train dispatchers
7305	supervisor, street railway operators	1121	supervisor, training programs
7201	supervisor, structural metal fitters	1215	supervisor, transportation route schedulers
7305	supervisor, subway and street railway operators	6313	supervisor, travel clerks
		8255	supervisor, tree service
7305	supervisor, subway operators	9221	supervisor, trim and hardware - motor vehicle manufacturing
8221	supervisor, surface mine		
1213	supervisor, survey interviewers	7305	supervisor, truck drivers
1211	supervisor, switchboard operators	9226	supervisor, truck trailer assembly
9222	supervisor, systems testing - electronic equipment manufacturing	9217	supervisor, tufted-carpet weavers
		9217	supervisor, tufting - textile processing
6342	supervisor, tailors	7303	supervisor, typesetters - printing
9217	supervisor, tannery - hide and pelt processing	7303	supervisor, typographers
		1211	supervisor, unit clerks
7305	supervisor, taxi drivers and private chauffeurs	6316	supervisor, ushers
		9214	supervisor, V-belt building - rubber products manufacturing
6221	supervisor, technical salespersons		
2282	supervisor, technical support	9213	supervisor, vegetable canning
7202	supervisor, telecommunications	9213	supervisor, vegetable packing
6211	supervisor, telemarketers	9214	supervisor, vulcanization - rubber products manufacturing
7202	supervisor, telephone installation		
1211	supervisor, telephone operators	9212	supervisor, water treatment plant
6211	supervisor, telephone sales clerks	7302	supervisor, water well drilling
5224	supervisor, television broadcasting equipment operators	9217	supervisor, weaving
		7201	supervisor, welders
2242	supervisor, television repair	4164	supervisor, welfare policy analysts
6314	supervisor, tellers	7302	supervisor, well digging
9222	supervisor, testing - electronic equipment manufacturing	7302	supervisor, well drilling
		8222	supervisor, well services crew - oil field services
7301	supervisor, textile mechanics		

6411	supervisor, wholesale trade representatives	0015	support services vice-president - trade, broadcasting and other services
6315	supervisor, window washers		Supreme Court clerk
4212	supervisor, women's centre - social services	1227	Supreme Court justice
4212	supervisor, women's shelter - social services	4111	Supreme Court of Canada justice
9224	supervisor, woodworking machine operators - furniture and fixtures manufacturing	4111	Supreme Court registrar
9224	supervisor, woodworking machine operators	1227	surety underwriter - insurance
1211	supervisor, word processing unit	1313	surface foreman/woman - mining
1122	supervisor, work study analysts	8221	surface grinder set-up operator
8221	supervisor, yard - mining and quarrying	9417	surface mine blasting foreman/woman
9217	supervisor, yarn preparation - textiles	7302	surface mine foreman/woman
6512	supervisor-bartender, lounge	8221	surface mine supervisor
6411	supplier - wholesale	8221	surface mining equipment operator
6742	supplies attendant, beauty salon	7521	surface mount assembler - electronic equipment manufacturing
1215	supply and receiving supervisor	9523	surface mount assembler
6552	supply and return clerk	9523	surface planer operator - woodworking
8221	supply boss - mining	9437	surface plate finisher - concrete, clay and stone products
1522	supply centre clerk	9414	surface weather observer
1521	supply chain assistant		surface-grinder operator, production
1523	supply chain co-ordinator - production	2255	surfacer, acoustical tiles
0113	supply chain director	9417	surgeon, dental
0113	supply chain logistics manager	9537	surgeon, oral and maxillofacial
0113	supply chain manager	3113	surgeon, oral
1122	supply chain process analyst	3113	surgeon, veterinary
1315	supply chain specialist - customs brokerage	3113	surgeon
1225	supply chain specialist - procurement	3114	surgery professor - university
1215	supply chain supervisor	3111	surgery, chief of
0113	supply chief	4011	surgery, director of
1523	supply clerk - aeronautics	0311	surgical aide
1523	supply clerk - production	0311	surgical appliance fitter
1524	supply clerk, ship	3413	surgical assistant - non-nursing
1524	supply clerk	3219	surgical assistant, nursing
1215	supply control co-ordinator	3414	surgical assistant
8221	supply foreman/woman - mining	3233	surgical co-ordinator - nursing
4031	supply high school teacher	3414	surgical fitter
1523	supply needs estimator	3011	surgical intensive care nurse
1225	supply officer, government	3219	surgical nursing assistant
6522	supply officer, ship	3012	surgical pad knitter
0113	supply service chief	3233	surgical pathologist
4032	supply teacher - elementary school	9442	surgical physician
4031	supply teacher, high school	3111	surgical resident
3414	supply, processing and distribution aide - medical	3111	surgical supply salesperson
0113	supply-management director	6221	surgical technician - non-nursing
5121	support materials writer	3414	surgical technician - nursing
8411	support miner	3233	surgical ward supervisor - nursing
0114	support services administrative manager	3011	surgical-medical claims clerk - insurance
3413	support services assistant - medical	1434	surplus assets officer
0114	support services manager	1221	surrogate court registrar
0013	support services vice-president - financial, communications and other business services	1227	surveillance manager - telecommunications
0016	support services vice-president - goods production, utilities, transportation and construction	0131	survey compiler
		1454	survey draftsman
		2253	survey engineer
0014	support services vice-president - health, education, social and community services and membership organizations	2131	survey interviewer
		1454	survey interviewers supervisor
		1213	survey pilot
		2271	

0411	survey research director - government services	7361	switch engineer - railway
0411	survey research manager - government services	7246	switch network installer and repairer - telecommunications
0125	survey research service manager	7246	switch network installer and repairer
2161	survey statistician	7531	switch tender - railway yard
1454	survey taker	1414	switchboard operator, clerical
1454	survey team notekeeper	1414	switchboard operator
7445	surveying and optical instrument repairer	1211	switchboard operators supervisor
7445	surveying and optical instrument technician	7246	switched communication electrician
7612	surveying and optical instruments repairer helper	7246	switched network repairer
2131	surveying engineer	7246	switched networks installer
7612	surveyor helper	7531	switcher - railway yard
2154	surveyor, Canada lands	5224	switcher, broadcasting
2262	surveyor, cargo	7531	switcher, interlocking cabins - railway yard
2154	surveyor, city	7531	switcher, interlocking signal boxes - railway yard
2154	surveyor, country	5224	switcher, production
2154	surveyor, land	7531	switcher, switching station - railway yard
2262	surveyor, marine cargo	9525	switchgear and control panel assembler - industrial electrical equipment
2154	surveyor, pipeline	9525	switchgear assembler and wirer
2154	surveyor, port	9525	switchgear fitter-wirer - industrial electrical equipment
2154	surveyor, property		switchgear fitter-wirer
2154	surveyor, provincial land	9525	switchgear panel assembler - industrial electrical equipment
2154	surveyor, railway	9525	switchgear panel installer-fitter
7445	survival equipment repairer	9525	switchgear rack assembler - industrial electrical equipment
6321	sushi chef	9525	switching station switcher - railway yard
6711	sushi preparer	0131	switching systems director - telecommunications
9537	suture material winder	7531	switchman/woman - railway
9522	SUV (sport utility vehicle) assembler	7246	switchman/woman - telecommunications
8616	swamper - logging and forestry	7612	switchman/woman helper - telecommunications
8615	swamper - oil and gas	7531	switchman/woman, yard - railway transport
8615	swamper - oil field services	8262	swordfish fisherman/woman
7622	swamper - truck transport	2114	synoptic meteorologist
8616	swamper, seasonal - logging and forestry	2242	synthesizer repairer
8616	swamper, seasonal - logging	9422	synthetic marble production worker
9447	swatch checker - textiles	2211	synthetic textiles technician
6731	sweeper	9461	syrup kettle operator
5252	swim coach	9461	syrup maker
5251	swimmer	2281	system administrator
5252	swimming coach	9241	system control centre operator - electrical power systems
5254	swimming instructor - recreation	9241	system controller - electrical power systems
5254	swimming instructor - sports	2171	system integration analyst
6732	swimming pool cleaner	2171	system integration consultant
7205	swimming pool contractor	9241	system operator - electrical power systems
5243	swimming pool designer	2121	systematist, biology
7441	swimming pool filter and heater installer	2172	systems analyst, EDP (electronic data processing)
7441	swimming pool installer	2172	systems analyst, electronic data processing (EDP)
0651	swimming pool maintenance service manager	2171	systems analyst
7441	swimming pool repairer		
7441	swimming pool servicer		
7441	swimming pool worker		
8252	swine herdsman		
8431	swine technician		
6311	swing manager, fast food restaurant		
9437	swing-type lathe operator - woodworking		

2173	systems applications engineer	7237	tack welder
2173	systems architect	9537	tacker - footwear manufacturing
2171	systems auditor	9446	tacking machine operator - sewing
2121	systems biologist	5125	tactile interpreter
2171	systems consultant	9435	tag machine tender - paper converting
2147	systems designer - hardware	6741	tagger - laundry and dry cleaning
2173	systems designer - software	9471	tag-printing machine tender
0213	systems development manager - computer systems	5254	tai-chi instructor
0213	systems development manager	7362	tail-end brakeman/woman
2141	systems engineer - manufacturing	9611	tailings disposal labourer - primary metal processing
2173	systems engineer - software	9411	tailings labourer
2146	systems engineer, aerospace	6342	tailings thickener tender - primary metal processing
0213	systems implementation manager - computer systems	6342	tailor, made-to-measure garments
2173	systems integration engineer - software	6342	tailor, men's garment alterations
0213	systems integration manager - computer systems	6342	tailor, ready-to-wear garments
0213	systems manager - computer systems	6711	tailor
0213	systems operations manager - computer systems	7514	take-out attendant - fast food
9243	systems operator, water treatment	1123	takeout pizza driver
2174	systems programmer	1123	talent agent
2171	systems QA (quality assurance) analyst	5231	talent representative
2171	systems quality assurance (QA) analyst	9432	talk show host/hostess
2171	systems security analyst	9461	tall oil operator
2171	systems security planner	9461	tallow extractor tender - food processing
6221	systems software support sales representative	1523	tallow refiner
2171	systems specialist - computer systems	1523	tally clerk
2171	systems specialist, business - computer systems	1523	tallyman/woman - production
2282	systems support representative	7611	tallyman/woman
2282	systems technical support analyst	7531	tamper operator - construction
9222	systems test foreman/woman - electronic equipment manufacturing	7531	tamper operator - railway
9222	systems test foreman/woman	7531	tamper operator, railway tracks
2283	systems tester	7531	tamper-aligner operator - railway
2283	systems testing technician	9411	tamping machine operator - railway
		9533	tandem roller - primary metal processing
		9617	tank assembler, wood
		7611	tank attendant - food and beverage processing
		9612	tank attendant - food and beverage processing
		6732	tank builder helper
		7531	tank builder helper
		6732	tank calibrator - metal products manufacturing
		9232	tank car cleaner
		9423	tank car controller - railway yard
		9533	tank cleaner
		9411	tank farm operator
		9411	tank liner - rubber products manufacturing
		7511	tank liner - rubber products manufacturing
		7452	tank stave assembler, wood
		7451	tank tender - primary metal processing
		7451	tank tender
		7532	tank tender
		7451	tank truck driver
		9411	tank truck loader
			tanker loader - marine cargo handling
			tanker loader
			tanker pumper - ship
			tankerman/woman - marine cargo handling
			tankhouse equipment operator - primary metal processing
			metal processing

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9532	table assembler, wood	7531	tack welder
9532	table assembler	6732	tacker - footwear manufacturing
5232	table dancer	9232	tacking machine operator - sewing
5251	table tennis player	9423	tactile interpreter
9437	table top edger - woodworking	9533	tag machine tender - paper converting
9437	table top laminator - woodworking	9411	tagger - laundry and dry cleaning
9537	tablet maker	9411	tag-printing machine tender
9537	tablet-coating machine operator	7511	tai-chi instructor
9537	tablet-making machine tender	7452	tail-end brakeman/woman
9471	tabulating cards printer	7451	tailings disposal labourer - primary metal processing
1212	tabulating supervisor	7451	tailings labourer
1212	tabulation supervisor	7532	tailings thickener tender - primary metal processing
1212	tabulators supervisor	7451	tailor, made-to-measure garments
9418	tack maker	9411	tailor, men's garment alterations

9211	tankhouse foreman/woman - primary metal and mineral products processing	6562	tattooer
9611	tankhouse helper - primary metal processing	6562	tattooist
9461	tankhouse operator - food and beverage processing	1111	tax accountant
9441	tanner - hide and pelt processing	1111	tax adviser
9217	tannery foreman/woman - hide and pelt processing	1111	tax analyst
9217	tannery foreman/woman	1228	tax appeal officer
7311	tannery machinery repairer	1228	tax assessor
9441	tannery vatman/woman	4112	tax attorney
6742	tanning salon attendant	1228	tax auditor - government services
0651	tanning salon manager	1111	tax auditor
9441	tanning solution preparer	1431	tax clerk
6742	tanning studio attendant	1228	tax collection officer
9217	tanyard foreman/woman - hide and pelt processing	1435	tax collector
5134	tap dance teacher	1111	tax consultant
5134	tap dancer	1111	Tax Court judge
9523	tape cartridge and cassette assembler	4111	tax economist
9523	tape cartridge and cassette inspector	1228	tax enforcement officer
2281	tape librarian, computer	1111	tax evaluator
9471	tape rule printer	1111	tax examiner
9441	tape-folding machine tender	1111	tax expert
9527	taper operator - electrical equipment manufacturing	1228	tax interpretation officer
9527	taper tender - electrical equipment manufacturing	1228	tax investigator
7284	taper, drywall	4211	tax law clerk
9527	taping machine tender - electrical equipment manufacturing	4112	tax lawyer
6512	tapman/woman	1242	tax legal assistant
9611	tapper - glass manufacturing	0412	tax office chief
9611	tapper - primary metal processing	1228	tax officer
9211	tapper operations foreman/woman - mineral and metal processing	4211	tax paralegal
9611	tapper, cupola	0412	tax policy chief
9611	tapper, furnace - primary metal processing	0412	tax policy research manager - government services
9611	tapper, glass - mineral products processing	1228	tax recovery officer
9418	tapping machine tender	1431	tax return preparer
7291	tar and gravel roofer	1111	tax specialist
9611	tar chaser, coke oven	1228	taxation investigator
9441	tar machine tender - textile manufacturing	0412	taxation manager
7291	tar roofer	1228	taxation officer
9617	tare assessor - food and beverage processing	0412	taxation programs director
1431	tariff clerk	1111	taxation rulings officer
4112	tariff counsel	1241	taxation service secretary
7302	tarmac paving foreman/woman	7305	taxi and chauffeurs supervisor
6564	tarot card reader	1525	taxi dispatcher
9537	tarpaulin finisher	7513	taxi driver
9461	tart maker	4423	taxi inspector
4168	task force officer	7513	taxi owner-operator
9442	tassel machine tender - textiles	7513	taxicab driver
9442	tassel maker, machine	5212	taxidermist
6222	taster and buyer, beverages	5212	taxidermy technician
6562	tattoo artist	7445	taximeter repairer
		2121	taxonomist, biology
		6722	T-bar attendant
		6722	T-bar operator
		9617	tea blender
		9213	tea blending plant foreman/woman
		6564	tea leaf reader
		0631	tea room manager
		4021	teacher - business college

4021	teacher - commercial college	4021	teacher, police college
4021	teacher - institute of technology	4032	teacher, primary school
4032	teacher - junior kindergarten	5136	teacher, printmaking
4021	teacher - seminary	4021	teacher, public speaking
4011	teacher - teacher's college	4215	teacher, rehabilitation
4215	teacher for persons with autism	3232	teacher, rolting movement
4215	teacher for persons with intellectual disabilities	5136	teacher, sculpturing (except primary, secondary, post-secondary education)
4215	teacher of braille	4031	teacher, secondary school
4215	teacher of persons who are blind	4215	teacher, sign language
4215	teacher of persons who are deaf	4021	teacher, technological institute
4215	teacher of persons who are hard of hearing	4021	teacher, vocational institute
4215	teacher of persons who are hearing impaired	4032	teacher-librarian, elementary school
4215	teacher of persons with a mobility impairment	4031	teacher-librarian, high school
4215	teacher of persons with a visual impairment	4413	teacher's aide
4215	teacher of persons with developmental disabilities	4413	teacher's assistant
4032	teacher, Aboriginal school - elementary school	0423	teachers' association director general
4021	teacher, agricultural college	4413	teacher's helper
4021	teacher, agricultural school	4012	teaching assistant - post-secondary
5134	teacher, ballet	4012	teaching assistant - university
5134	teacher, ballroom dancing	4012	teaching assistant, college
4021	teacher, Bible college	4012	teaching assistant, university
4021	teacher, Bible school	4166	teaching consultant
5254	teacher, bridge	4412	teaching homemaker
4021	teacher, CEGEP (general and vocational college)	3125	teaching orthoptist
5244	teacher, ceramics (except education)	4413	teaching staff assistant, primary and secondary school
4021	teacher, college of applied arts and technology	5252	team coach, professional athletes
4021	teacher, college	6211	team leader, subscription sales
4021	teacher, community college	0513	team manager, professional athletes
4214	teacher, daycare	0513	team manager, professional football
4032	teacher, elementary school	0513	team manager, professional hockey
4032	teacher, English as a second language - elementary school	0513	team manager, professional track and field
4021	teacher, English as a second language (ESL) - college level	9213	team supervisor, flour milling
4021	teacher, English as a second language (except elementary, high school or university)	1122	team training specialist
4215	teacher, finger spelling	4031	technical and vocational teacher - secondary school
4032	teacher, French as a second language - elementary school	2172	technical architect - database
4021	teacher, French as a second language (except elementary, high school or university)	2147	technical architect - hardware
5254	teacher, gymnastics	2173	technical architect - software
4031	teacher, high school	5227	technical assistant - audiovisual
4032	teacher, kindergarten	3212	technical assistant - medical laboratory
4021	teacher, legal assistant program	1221	technical assistant - office support
4215	teacher, lip reading	3212	technical assistant - pathology
5133	teacher, music - private, conservatory or studio lessons	6722	technical assistant - sports and leisure
5136	teacher, painting	1454	technical assistant - statistics
		3219	technical assistant, pharmacy
		6221	technical business equipment salesperson - wholesale
		3215	technical co-ordinator, nuclear medicine
		3215	technical co-ordinator, radiation therapy
		3215	technical co-ordinator, radiography
		5131	technical director - broadcasting
		5131	technical director - motion pictures, broadcasting and performing arts
		3215	technical director, nuclear medicine
		3215	technical director, radiography

5122	technical editor	5121	technical writer
2282	technical help desk agent	3219	technician, aeromedicine
0422	technical high school principal	2232	technician, aerospace engineering
2253	technical illustrator - drafting	2231	technician, agricultural engineering
5211	technical indexer - library	7315	technician, aircraft engines
1253	technical indexer - records and file management	7315	technician, aircraft gas turbine engines
2232	technical inspector, mechanical	7315	technician, aircraft hydraulics shop
6221	technical office equipment sales representative	2244	technician, aircraft instruments
5212	technical officer - museum	7315	technician, aircraft mechanical systems
5131	technical producer - motion pictures, broadcasting and performing arts	7315	technician, aircraft propeller systems
5131	technical producer	7315	technician, aircraft reciprocating engines
1411	technical records clerk	7315	technician, aircraft structural repair
1254	technical research assistant (except post-secondary)	2242	technician, alarm system
6221	technical sales consultant	3234	technician, ambulance
6221	technical sales executive	3213	technician, animal care
6221	technical sales representative - wholesale	3213	technician, animal health
6221	technical sales representative	2283	technician, application testing
6221	technical sales specialist, aircraft	2251	technician, architectural
6221	technical sales specialist, chemicals	3237	technician, assistive listening devices
6221	technical sales specialist, exports	3237	technician, audiology
6221	technical sales specialist, imports	3237	technician, audiometric
6221	technical sales specialist, metals	3414	technician, autopsy
6221	technical sales specialist, railway equipment and supplies	3219	technician, aviation medicine
6221	technical sales specialist	2211	technician, biochemistry (except medical)
6221	technical sales supervisor	3212	technician, blood bank
6221	technical salesperson - wholesale	9522	technician, body department - motor vehicle manufacturing
6221	technical salesperson, telecommunications	2231	technician, bridge design
0421	technical school director	2231	technician, building materials
0421	technical school manager	9241	technician, building systems
1241	technical secretary	7247	technician, cable television
2242	technical service representative - household and business equipment	3217	technician, cardiac catheterization
6221	technical service sales consultant	3217	technician, cardiology
1451	technical services clerk - library	3414	technician, cast room
0131	technical services co-ordinator - telecommunications	3414	technician, central supply room - hospital
2133	technical services electrical engineer	2211	technician, chemical engineering
0511	technical services head librarian	2211	technician, chemical processing quality control
5111	technical services librarian	2231	technician, civil engineering
0131	technical services manager	7245	technician, communication lines
1254	technical services officer - statistics	7315	technician, composite repair
4021	technical subjects instructor - vocational institute	2242	technician, computer equipment - household and business equipment
3211	technical supervisor, medical laboratory	2242	technician, computer field service
2282	technical support analyst - systems	2242	technician, computer service
6221	technical support specialist - wholesale trade	2231	technician, concrete
2282	technical support supervisor	5212	technician, conservation - museums and art galleries
5125	technical translator	2231	technician, construction engineering
5121	technical writer - aeronautics	2231	technician, construction
5121	technical writer - chemical processing	3231	technician, contact lenses
5121	technical writer - electronics equipment	2221	technician, dairy products
5121	technical writer - pharmaceutical industry	9474	technician, darkroom - photographic processing
		3223	technician, dental laboratory
		3221	technician, dentures
		3216	technician, diagnostic echography

3216	technician, diagnostic ultrasonography	3237	technician, hearing assessment
3216	technician, diagnostic ultrasound	3237	technician, hearing disorders
2211	technician, dyeing	2231	technician, highway traffic
3217	technician, echoencephalography	2231	technician, highway
3216	technician, echography	2242	technician, household and business equipment
9522	technician, electrical testing - motor vehicle manufacturing	2212	technician, hydrology
9522	technician, electrical tests - motor vehicle manufacturing	2233	technician, industrial engineering
3217	technician, electrocardiographic (ECG)	2243	technician, industrial instruments
3217	technician, electrocardiography	2281	technician, Internet Web site
3217	technician, electrocardiology	3213	technician, laboratory animals
3217	technician, electroencephalograph (EEG)	2255	technician, land information system (LIS)
6562	technician, electrolysis	2254	technician, land survey
3217	technician, electromyography (EMG)	7335	technician, lawn and garden equipment
2242	technician, electronic games - household and business equipment	5211	technician, library
2242	technician, electronics - household and business equipment	2255	technician, LIS (land information system)
3217	technician, EMG (electromyography)	2212	technician, logs
2231	technician, environmental	7311	technician, loom - textile manufacturing
2242	technician, field service - household and business equipment	3215	technician, mammography
9474	technician, film processing	2233	technician, manufacturing
9522	technician, finishing department - motor vehicle manufacturing	2211	technician, mass spectrometer
2221	technician, fisheries	2211	technician, mass spectrometry
3219	technician, food and nutrition - dietetics	2231	technician, materials testing
2211	technician, food processing quality control	2232	technician, mechanical engineering
2211	technician, food	9522	technician, mechanical tests - motor vehicle manufacturing
2223	technician, forest engineering	1252	technician, medical records
2223	technician, forest resource management	2212	technician, metallurgical engineering
2223	technician, forestry conservation and preservation	2221	technician, microbiology (except medical)
2223	technician, forestry	2212	technician, mine production
2211	technician, formulation	2212	technician, mine survey
2255	technician, geographic information systems (GIS)	2212	technician, mineralogy
2212	technician, geological engineering	2212	technician, mining engineering
2255	technician, geological information system	2212	technician, mining survey
2255	technician, geological mapping	2212	technician, mining
2212	technician, geological survey	3414	technician, morgue
2255	technician, geomatics - aerial surveys	5212	technician, museum
2255	technician, geomatics - cartography	2261	technician, NDT (non-destructive testing) maintenance
2255	technician, geomatics - geographical information systems (GIS)	2231	technician, noise abatement
2254	technician, geomatics - land surveying	2231	technician, noise reduction
2255	technician, geomatics - photogrammetry	2261	technician, non-destructive examinations
2255	technician, geomatics - remote sensing	2261	technician, non-destructive inspection
2212	technician, geophysical data	3215	technician, nuclear medicine
2212	technician, geophysical survey	3237	technician, occupational therapy
2255	technician, GIS (geographic information system)	7311	technician, open-end - textile manufacturing
5223	technician, graphic arts	3233	technician, operating room - nursing
2212	technician, gravity data	3237	technician, ophthalmic (except retail)
6562	technician, hair replacement	3414	technician, ophthalmic goods antireflection (AR) coating
3237	technician, hearing aids	3414	technician, ophthalmic lab - retail
		3414	technician, optical laboratory - retail
		3414	technician, optical laboratory
		3219	technician, orthopedic
		7335	technician, orthotic
			technician, outdoor power equipment

9522	technician, paint department - motor vehicle manufacturing	2211	technician, synthetic textiles
2211	technician, paints	7246	technician, telecommunications
2211	technician, petrochemical engineering	7246	technician, telephone communications
2212	technician, petroleum engineering	7245	technician, telephone line
2212	technician, petrology	2211	technician, textile dyes
3219	technician, pharmacy	2233	technician, textile
9474	technician, photo lab	6562	technician, thermology and electrolysis
9474	technician, photo	2254	technician, topographic survey
2242	technician, photocopy machines	3216	technician, ultrasonography
2255	technician, photogrammetric	3216	technician, ultrasound
3237	technician, physical rehabilitation	2231	technician, urban planning
3237	technician, physiotherapy	3213	technician, veterinary laboratory
2211	technician, pilot plant	3213	technician, veterinary
2233	technician, planning	2242	technician, video equipment installation and repair - household and business equipment
2211	technician, plastics and synthetic resins	3231	technician, visual orthoses
2233	technician, plastics	3231	technician, visual orthotic devices
2231	technician, pollution control	2231	technician, water distribution systems
9232	technician, process - chemical processing	7373	technician, water well drilling
7315	technician, propulsion	2281	technician, Web
3219	technician, prosthetic	2221	technician, wildlife resources
3219	technician, prosthetic-orthotic	2221	technician, wildlife
2233	technician, pulp and paper	3215	technician, X-ray (radiology)
3215	technician, radiation oncology	4021	technological institute instructor
2242	technician, radio installation and repair	4021	technological institute teacher
2242	technician, radio maintenance	4021	technological subjects instructor - vocational institute
3215	technician, radioisotope	2232	technologist, aerospace engineering
3215	technician, radiotherapy	2211	technologist, analytical chemistry
2231	technician, railway	3211	technologist, anatomical pathology
1314	technician, real estate appraisal	3214	technologist, anesthesia
7384	technician, recreation vehicles	3213	technologist, animal care
9232	technician, refinery process	3213	technologist, animal health
5224	technician, regional transmitter	2251	technologist, architectural
2255	technician, remote sensing (RS)	3211	technologist, autopsy - medical laboratory
2212	technician, reservoir engineering	2211	technologist, biochemistry (except medical)
5212	technician, restoration - museum	2211	technologist, biochemistry laboratory
2231	technician, road traffic	2211	technologist, biochemistry
7315	technician, rotorcraft mechanical systems	3215	technologist, brachytherapy
2255	technician, RS (remote sensing)	2253	technologist, CAD (computer-aided design)
7384	technician, safe and vault	3217	technologist, cardiac catheterization
2242	technician, security alarms	3217	technologist, cardiology
2232	technician, ship repair	3214	technologist, cardiovascular perfusion
5224	technician, short-wave receiving station	2211	technologist, chemical engineering
5223	technician, silkscreen	2211	technologist, chemical processing quality control
2223	technician, silviculture	2211	technologist, chemical products quality control
7335	technician, small engine	2231	technologist, civil engineering studies
2283	technician, software testing	2231	technologist, civil engineering
2212	technician, soil science - mining	3211	technologist, clinical laboratory
7441	technician, solar heating	2253	technologist, computer-aided design (CAD)
2231	technician, solid waste disposal	2231	technologist, construction
3237	technician, speech	3215	technologist, diagnostic medical radiation
7311	technician, spinning - textile manufacturing	3215	technologist, diagnostic radiography
2242	technician, stereo repair	2211	technologist, dyeing and finishing
2231	technician, structural engineering	3217	technologist, ECG (electrocardiographic)
7315	technician, structural repair		
3233	technician, surgical - nursing		
7445	technician, surveying and optical instruments		

3217	technologist, echoencephalographic	2221	technologist, microbiology (except medical)
3216	technologist, echography	2212	technologist, mine development
3217	technologist, electrocardiographic (ECG)	2212	technologist, mine survey
3217	technologist, electrocardiography	2212	technologist, mineralogy
3217	technologist, electrocardiology	2212	technologist, mining engineering
3217	technologist, electroencephalograph (EEG)	2212	technologist, mining survey
3217	technologist, electroencephalograph	2212	technologist, mining
3217	technologist, electromyography (EMG)	3215	technologist, MRI (magnetic resonance imaging)
3217	technologist, electroneurodiagnostic (END)	3215	technologist, NMRI (nuclear magnetic resonance imaging)
3217	technologist, EMG (electromyography)	2232	technologist, nuclear engineering
3217	technologist, END (electroneurodiagnostic)	3215	technologist, nuclear magnetic resonance imaging (NMRI)
3217	technologist, evoked potential (EP)	3215	technologist, nuclear medicine
3214	technologist, extracorporeal circulation	2212	technologist, oil geology
2221	technologist, fisheries	3215	technologist, oncology
2211	technologist, food processing quality control	3237	technologist, ophthalmic
2211	technologist, food	3414	technologist, orthopedic
2223	technologist, forest engineering	3214	technologist, perfusion
2211	technologist, forest products	3215	technologist, PET (positron-emission tomography)
2223	technologist, forestry conservation and preservation	2211	technologist, petrochemical engineering
2223	technologist, forestry	2211	technologist, petrochemical laboratory
2255	technologist, geographic information systems (GIS)	2212	technologist, petroleum engineering
2212	technologist, geological engineering	2212	technologist, petroleum geology
2255	technologist, geological information system	2211	technologist, petroleum research
2255	technologist, geomatics - aerial surveys	2255	technologist, photogrammetric
2255	technologist, geomatics - cartography	2211	technologist, pilot plant
2255	technologist, geomatics - geographical information systems	3215	technologist, positron-emission tomography (PET)
2254	technologist, geomatics - land surveying	3214	technologist, pulmonary function
2255	technologist, geomatics - photogrammetry	2233	technologist, pulp and paper
2255	technologist, geomatics - remote sensing	2233	technologist, quality control - industrial engineering
2255	technologist, GIS (geographic information systems)	2211	technologist, quality control of chemical products
2212	technologist, groundwater	3215	technologist, radiation oncology simulator
2211	technologist, home economics	3215	technologist, radiation oncology
2232	technologist, HVAC (heating, ventilation and air conditioning)	3215	technologist, radiation therapy
2212	technologist, hydrographic survey	3215	technologist, radiography
2233	technologist, industrial engineering	3215	technologist, radioisotope
2211	technologist, industrial hygiene	3215	technologist, radiology
3214	technologist, inhalation	3215	technologist, radiotherapy
2255	technologist, land information system (LIS)	2255	technologist, remote sensing (RS)
2254	technologist, land survey	2251	technologist, residential buildings
2255	technologist, LIS (land information system)	3214	technologist, respiratory
3215	technologist, magnetic resonance imaging (MRI)	2255	technologist, RS (remote sensing)
3215	technologist, magnetic resonance	2223	technologist, silviculture
3215	technologist, mammography	2231	technologist, soil testing
2233	technologist, manufacturing	2231	technologist, structural design
2232	technologist, marine engineering	2233	technologist, textile
2212	technologist, marine geoscience	2254	technologist, topographic survey
2231	technologist, materials testing	2231	technologist, traffic
2232	technologist, mechanical engineering	3216	technologist, ultrasonography
3211	technologist, medical laboratory	3216	technologist, ultrasound
3215	technologist, medical radiation	3217	technologist, vascular
2212	technologist, metallurgical engineering		

3213	technologist, veterinary	2147	telecommunications specialist - computer systems
2212	technologist, welding		
2221	technologist, wildlife	7202	telecommunications supervisor
4021	technology teacher - college level	2147	telecommunications systems specialist
4161	technology transfer officer	7246	telecommunications technician
4167	teen club programs co-ordinator	7245	telecontrol technologist
5226	telecasting technician	3012	telehealth registered nurse
5227	telecine operator	6211	telemarketer supervisor
7202	telecommunication cable installation foreman/woman	6623	telemarketer
		6211	telemarketing services supervisor
7245	telecommunication cable installer	6211	telemarketing supervisor
7245	telecommunication cable repairer	3012	tele-nurse
7246	telecommunication equipment tester and regulator	6564	telepath
		1312	telephone adjuster - insurance
7245	telecommunication line construction technician	6564	telephone agent, personal services
		7246	telephone and teleprinter installer-repairer
7202	telecommunication line installation, repair and testing foreman/woman	1414	telephone answering service operator
		9523	telephone assembler
7202	telecommunication line installation, repair and testing supervisor	7612	telephone cable splicer helper
		7245	telephone cable splicer
7202	telecommunication line installers foreman/woman	7246	telephone central office distribution frame maintainer
		7246	telephone central office repairer - telecommunications
7202	telecommunication line installers, repairers and testers foreman/woman	1414	telephone clerk
		7246	telephone communication electrician
7202	telecommunication line maintenance foreman/woman	0131	telephone company district manager
		7514	telephone directory deliverer - courier service
7202	telecommunication line maintenance supervisor		
7202	telecommunication line repairers foreman/woman	6552	telephone enquiries clerk
		7246	telephone equipment installer and repairer
7202	telecommunication line service supervisor	7202	telephone equipment installers foreman/woman
7245	telecommunication line technician		
7246	telecommunication line tester	6411	telephone equipment sales representative - wholesale (non-technical)
7202	telecommunication service foreman/woman	6421	telephone equipment salesperson - retail
7202	telecommunication system installers and repairers foreman/woman	7246	telephone equipment tester
		7246	telephone exchange distribution frame maintainer
7202	telecommunications contractor		
5122	telecommunications editor	7246	telephone exchange repairer - telecommunications
2147	telecommunications engineer		
0211	telecommunications engineering service manager	7246	telephone exchange tester
		7246	telephone facilities evaluator
7246	telecommunications equipment electrician	7202	telephone installation foreman/woman
7246	telecommunications equipment inspector	7202	telephone installation supervisor
7246	telecommunications equipment installer	7246	telephone installer
7246	telecommunications equipment technician	7245	telephone line and cableman/woman
0013	telecommunications general manager	7246	telephone line and station installer
2147	telecommunications hardware engineer	7245	telephone line technician
2147	telecommunications hardware specialist	1414	telephone operator, long distance
7245	telecommunications line installer	1414	telephone operator
0131	telecommunications manager	1211	telephone operators supervisor
1525	telecommunications operator	7246	telephone relay tester
6221	telecommunications sales representative	7246	telephone repairer
6221	telecommunications salesperson	6623	telephone sales agent
7246	telecommunications service tester	6211	telephone sales clerk supervisor
0131	telecommunications services manager	6623	telephone sales clerk
2173	telecommunications software engineer		
2173	telecommunications software specialist		

6623	telephone salesperson	7247	television receive only (TVRO) technician
1414	telephone service analyst	9523	television receiver inspector and tester - electronic equipment manufacturing
1414	telephone service assistant		
1211	telephone service supervisor	2242	television repair supervisor
7246	telephone servicer	2242	television repairer
7246	telephone shop repairer	5123	television researcher
6623	telephone solicitor	6421	television salesperson - retail
7246	telephone station installer	2242	television servicer
7246	telephone station repairer	0512	television station manager
1454	telephone survey clerk	2242	television studio equipment repairer
7246	telephone switchboard installer and repairer	5224	television switcher
7246	telephone switchman/woman	2133	television systems engineer
1211	telephone system night supervisor	1225	television time buyer
7246	telephone system relay adjuster	9523	television tube assembler
1211	telephone system supervisor	5121	television writer
7246	telephone technician - telecommunications	6551	teller - financial services
7246	telephone technician	6551	teller trainee
7246	telephone tester	6314	tellers supervisor
7246	telephone toll central office tester	9411	temper mill roller - primary metal processing
7246	telephone traffic inspector	9613	temperature regulator
5121	teleplay writer, screenwriter	9524	temperature-actuated controls tester
7246	teleprinter installer - telecommunications	9536	temperer - plating and metal spraying
7246	teleprinter installer	9461	tempering bin operator - food and beverage processing
7246	teleprinter repairer		
2174	teleprocessing software programmer	9211	tempering foreman/woman - primary metal processing
5227	teleprompt operator		
1414	telereceptionist	9434	tempering plant tender
7246	teletype installer - telecommunications	9472	template engraver
7246	teletype repairer - telecommunications	7384	template maker - aeronautics
7246	teletypewriter (TTY) installer - telecommunications	7384	template maker - shipbuilding
		7232	template maker - tool and die
7246	teletypewriter (TTY) installer	7384	template maker
7246	teletypewriter (TTY) repairer	7611	tender, air lock
6411	television advertising time sales representative	9442	tender, automatic embroidery machine
		9434	tender, automatic veneer clipper - wood processing
6411	television advertising time salesperson		
0621	television and stereo equipment store manager	9619	tender, baler - packaging
		9615	tender, baling machine - rubber and plastic products manufacturing
7441	television antenna installer		
9523	television assembler	9615	tender, baling press - rubber and plastic products manufacturing
9523	television assembly chief inspector		
6421	television cable service salesperson	9432	tender, broke beater - pulp and paper
5222	television camera operator	9473	tender, bronzing machine - printing
2242	television camera repairer	8411	tender, cage - underground mining
5131	television director	9473	tender, casing-in machine - printing
5131	television director-producer	7611	tender, cement and concrete pump
4154	television evangelist	9537	tender, chip ice maker
5231	television host/hostess	9411	tender, coke screen and coke blender
2242	television installation and repair technician	9414	tender, concrete pipe machine
5132	television musical director	9414	tender, concrete saw
5123	television news anchorperson	7452	tender, conveyor - material handling (except underground mines)
5222	television news camera operator		
5231	television newscaster	9619	tender, cotton roll machine
9523	television picture tube laminator	9537	tender, crimping machine - leather products manufacturing
9523	television picture tube tester - electronic equipment manufacturing		
		9537	tender, cutting machine - textile products manufacturing
5131	television producer		

9414	tender, decorating machine - clay products	9414	tender, lime mixer
9474	tender, developer-printer machine	9434	tender, log vat - wood processing
9435	tender, diaper-folding machine - paper converting	9418	tender, metal-twisting machine
9535	tender, dicer - plastic manufacturing	8431	tender, milking machine
9535	tender, dicing machine - plastic manufacturing	9414	tender, mill - clay products
9437	tender, dowel machine - woodworking	9437	tender, mitre saw - woodworking
9437	tender, dowelling machine - woodworking	9421	tender, nitrocellulose dryer
9435	tender, drill punch - paper converting	8411	tender, orepass - underground mining
9414	tender, drying machine - clay products	9435	tender, paper twister - paper converting
8431	tender, egg processing machine	9435	tender, paper-punching press - paper converting
9418	tender, embossing machine - explosives manufacturing	9473	tender, perforating machine - printing
9473	tender, embossing press - printing	9232	tender, pilot plant
9473	tender, embossing/encoding machine	9422	tender, plastic coagulating tank
9442	tender, embroidery machine	9535	tender, plastic products vacuum-forming machine
9435	tender, envelope flap-button machine - paper converting	9537	tender, pleating machine - garment manufacturing
9435	tender, envelope-flap-gumming machine - paper converting	9437	tender, portable sanding machine - woodworking
9611	tender, extruder - mineral products processing	9437	tender, portable saw - woodworking
9537	tender, eyelet-punching machine	7611	tender, power curber
9442	tender, felt press - textiles	9422	tender, preform machine - plastic manufacturing
9442	tender, felting machine	9537	tender, primer-inserting machine - explosives manufacturing
9537	tender, fibre strap machine	9474	tender, quick print machine - photographic processing
9474	tender, film-developing machine	9421	tender, recausticizer
9474	tender, film-printing machine	9414	tender, retort - clay products
9537	tender, fishing rod guide winder	9433	tender, rewinder - pulp and paper
9537	tender, foiling machine - explosives manufacturing	9537	tender, ribbon-looping machine
9442	tender, glass-fibre-bonding machine	9437	tender, ripping and grooving machine - woodworking
9435	tender, gumming machine - paper converting	9435	tender, roll-cutting machine - paper converting
9414	tender, hammer mill - concrete, clay and stone products	9435	tender, rolling machine - paper converting
9537	tender, handle and vent machine - mattress manufacturing	9435	tender, roll-slitting machine - paper converting
9537	tender, hat-brim-flexing machine - hat manufacturing	9442	tender, rope-coiling machine - textiles
9241	tender, heating and ventilation equipment	9442	tender, rope-twisting machine
9422	tender, heat-sealing machine - plastic manufacturing	9437	tender, saddle machine - woodworking
9614	tender, hogger - wood processing	9421	tender, saturating machine - chemical processing
9437	tender, hole saw - woodworking	9437	tender, sawing machine - woodworking
9473	tender, hologram-imprinting machine	9434	tender, scarfing machine - wood processing
9442	tender, hosiery-knitting machine	9435	tender, sealing machine - paper converting
9414	tender, hydrogen furnace - clay products	9243	tender, sewage-processing equipment
9537	tender, ice-cutting machine	9537	tender, shoelace-tipping machine
9619	tender, incinerator plant	8411	tender, skip - underground mining
8431	tender, incubator - agriculture	8411	tender, skip
9442	tender, knitting machine	9414	tender, slate-cutting and slate-grinding machine
9537	tender, label-cutting machine - garment and fabric products manufacturing	9414	tender, slip mixer
9422	tender, laminating machine - plastic manufacturing	9619	tender, smoothing machine - shoe manufacturing
9442	tender, leasing machine - textiles		

9537	tender, sole-moulding machine - footwear manufacturing	7246	terminal and repeater tester - telecommunications
7611	tender, spreader box - construction	7246	terminal and repeater tester
7452	tender, stacking machine - material handling	1423	terminal operator
9414	tender, steam-pressure cylinder - clay products	7305	terminal supervisor - motor transport
9414	tender, stone grinder	5125	terminologist
9414	tender, stone slab splitter	5125	terminology advisor
9418	tender, tapping machine	7281	terra cotta mason
9442	tender, tassel machine - textiles	7611	terrazzo finisher helper
9434	tender, tempering plant	7283	terrazzo finisher
9431	tender, trimmer - sawmill	7205	terrazzo finishing contractor
9431	tender, trimming machine - sawmill	7283	terrazzo floor layer
9612	tender, tumbling barrel - metal products manufacturing	7611	terrazzo grinder, manual
9537	tender, twisting machine	7611	terrazzo layer helper
9619	tender, tying machine	7283	terrazzo layer
9537	tender, ultrasonic cleaning machine	7611	terrazzo machine grinder
9442	tender, warp tying machine - textiles	9414	terrazzo maker, precast
6741	tender, washing machine extractor - laundry and dry cleaning	7283	terrazzo mason
9418	tender, welding rod extruder	7611	terrazzo mechanic helper
9537	tender, winding machine - other products manufacturing	7283	terrazzo mechanic
9418	tender, wire-pairing machine	7611	terrazzo polisher helper
9418	tender, wire-rewinding machine	7283	terrazzo polisher
9437	tender, wood products machine	7205	terrazzo polisher-contractor
9465	tenderometer tender - food and beverage processing	7205	terrazzo polishing contractor
9537	tennis ball maker operator	7283	terrazzo setter
9537	tennis ball maker tender	7205	terrazzo setters foreman/woman
5252	tennis coach	7283	terrazzo worker
6722	tennis court attendant	7283	terrazzo, tile and marble setter
0714	tennis court manager	0012	territorial commissioner
5254	tennis instructor - recreation	4168	territorial council officer
5254	tennis instructor - sports	4162	territorial resources economist
9537	tennis net maker, hand	0601	territory manager - sales
5251	tennis player	1221	test administrator
9437	tenoner operator - woodworking	2211	test analyst, titanium pigments
5133	tenor	9523	test and trim operator - electronic equipment manufacturing
2262	tensile strength inspector	9465	test baker - food and beverage processing
9415	tensile strength tester, metal - primary metal processing	2283	test coordination analyst
9441	tension drying machine tender - textile manufacturing	7246	test desk operator - telecommunications
9523	tension meter assembler - electronic equipment manufacturing	9522	test driver - automobile assembly
9537	tent finisher	2146	test engineer, aerospace
9418	tent frame machine operator	2133	test engineer, electronics
9537	tent maker, canvas	2173	test engineer, software
9537	tent maker	2241	test equipment repairer - oil exploration
9441	tenter machine tender - textile manufacturing	2271	test pilot
9441	tenter machine tender	9222	test supervisor - electronic equipment manufacturing
9441	tenterframe tender	9222	test supervisor - electronics manufacturing
5244	tepee maker	2241	test technician
2272	terminal air traffic controller	9524	tester and adjuster, electrical relays
		9415	tester and inspector - primary metal and mineral products processing
		9537	tester and inspector, packaging
		9415	tester and inspector, wires - primary metal processing
		7246	tester and regulator, telecommunications equipment

9524	tester, air conditioning unit	9465	tester, products - food and beverage processing
9522	tester, automobile engines - automobile assembly	9524	tester, refrigerant gas leaks
9537	tester, ball bearings	9531	tester, rivets - boat assembly
9524	tester, ballast transformers	9537	tester, small arms
9465	tester, beer	9524	tester, small electric motors
2261	tester, boiler	9524	tester, small transformers
9415	tester, bricks and tiles	9418	tester, springs
9415	tester, castings - primary metal and mineral products processing	9415	tester, steel - primary metal processing
9415	tester, cells - primary metal processing	9465	tester, sugar
2211	tester, cellulose film solutions	7246	tester, telecommunication lines
9418	tester, chains	7246	tester, telephone exchange
9524	tester, circuit breaker assembly	7246	tester, telephone relays
2211	tester, compressed gases	9524	tester, temperature-actuated controls
2241	tester, control panels	7246	tester, terminal and repeater
2241	tester, control systems	7246	tester, toll telephone central office
9465	tester, cookies and crackers	9525	tester, transformer
9415	tester, cores - foundry	7246	tester, transmission - telecommunications
9526	tester, diesel engines	9522	tester, transmissions - motor vehicle manufacturing
9524	tester, electric contacts	9537	tester, typewriter assembly
9524	tester, electrical appliance assembly	9213	testing and grading foreman/woman - food, beverage and tobacco processing
9524	tester, electrical continuity		testing co-ordinator
9524	tester, electrical control	1221	testing engineer, software
9524	tester, electrical equipment manufacturing	2173	testing foreman/woman - electronic equipment manufacturing
9524	tester, electrical light fixtures	9222	testing machine operator - electronic equipment manufacturing
9527	tester, electrical storage batteries		testing mechanic, automotive vehicles
9524	tester, electrical wire insulation	9523	testing supervisor, communications equipment - electronic equipment manufacturing
9524	tester, electrolysis - electrical equipment manufacturing	7321	testing supervisor
9523	tester, electronic components	9222	testing technician, fluorescent penetrant
2241	tester, electronic systems		testing technician, highway construction materials
9522	tester, engine blocks - motor vehicle manufacturing	1221	testing technician, ultraviolet light
9522	tester, engines - automobile assembly	2261	tests clerk
7445	tester, gas meters	2231	textbook sales representative
9526	tester, gasoline pumps		textile and clothing consultant - home economics
9526	tester, gearcases	2261	textile chemist
9415	tester, glass containers	1452	textile colour technologist
9415	tester, glass	6411	textile colourist
9527	tester, lead acid storage battery	4164	textile conservator
9527	tester, light bulbs		textile designer
9465	tester, liquor - food and beverage processing	2112	textile dye technician
9415	tester, metal strength - primary metal processing	2211	textile dyeing technician
9415	tester, metal tensile strength - primary metal processing	9441	textile dyer
9465	tester, moisture content - tobacco processing	5112	textile engineer
9525	tester, motors and controls	5243	textile fixer
7445	tester, musical instruments	2211	textile fleecer - textile manufacturing
2261	tester, non-destructive inspection	2211	textile grader
9537	tester, packaging	9441	textile identification mark remover
2211	tester, petroleum	2148	textile inspector
9414	tester, pipes - concrete products	7311	textile machine cleaner
9422	tester, plastic film rolls	9441	
2211	tester, polymers	5245	
9537	tester, pressure switches	9447	
		9616	

9616	textile machine feeder	1123	theatrical agent
7311	textile machine mechanic	1123	theatrical business agent
7301	textile machine mechanics foreman/woman	6541	theft prevention officer
7301	textile machine mechanics supervisor	2112	theoretical chemist
9616	textile machine offbearer	2111	theoretical nuclear physicist
7311	textile machine overhauler	2111	theorist, elementary particles
7301	textile machinery assembly foreman/woman	6322	therapeutic diet cook
7316	textile machinery fitter	3132	therapeutic dietitian
7311	textile machinery fixer	3132	therapeutic nutritionist
7311	textile machinery mechanic	3215	therapeutic radiological technician
7311	textile machinery repairer	3144	therapeutic recreationist
6221	textile machinery salesperson	0311	therapeutic services administrator
5245	textile mark remover	0311	therapeutic services director - psychiatric hospital
5245	textile marker-down		
0911	textile mill manager	0311	therapeutic services director
9441	textile napper - textile manufacturing	3414	therapist assistant - medical
9441	textile printer	3144	therapist, art
9217	textile processing foreman/woman	3144	therapist, dance
9217	textile processing supervisor	3144	therapist, dance-movement
9441	textile product bleacher	3221	therapist, denture
9616	textile product labourer	3144	therapist, drama
9447	textile product sampler	4153	therapist, marriage
9447	textile products inspector	3236	therapist, massage
9446	textile products mender	3144	therapist, movement
5245	textile products patternmaker	3144	therapist, music
9447	textile sampler	3142	therapist, physical rehabilitation
9447	textile shader	3214	therapist, respiratory
9441	textile spinner	3232	therapist, shiatsu
0911	textile spinning-mill manager	3141	therapist, speech and hearing
0911	textile spinning-plant manager	3141	therapist, speech
2233	textile technician	3414	therapy aide - medical
2233	textile technologist	3414	therapy assistant - medical
9447	textile tester	9232	thermal acid equipment operator
9421	textile treatment solution mixer	2132	thermal design engineer
9441	textile washer	2111	thermal physicist
9442	textile weaver	9241	thermal plant operator
9441	textile wringer	2132	thermal power engineer
9537	textile-bags-turner operator	2232	thermal station technician
9441	textile-dyeing and finishing machine operator	7237	thermite welder
7311	textile-printing machine roller repairer - garment manufacturing	9214	thermoforming foreman/woman - plastic manufacturing
9441	textile-twisting-frame operator	9422	thermoforming operator
9441	texturing machine tender - textile manufacturing	9214	thermoforming supervisor - plastic products manufacturing
3236	Thai massage therapist	2261	thermographer-tester
9411	thallium recoverer	7381	thermographic printer
6742	theatre attendant	6562	thermology and electrolysis technician
6611	theatre cashier	9432	thermomechanical pulp assistant operator - pulp and paper
0512	theatre company director		
0512	theatre company manager	9432	thermomechanical pulp assistant operator
5123	theatre critic	9432	thermomechanical pulp operator
5243	theatre designer	9537	thermometric systems capillary tube charger
0512	theatre director	9537	Thermos bottle assembler
5227	theatre high rigger	9536	thermospray operator
4169	theatre historian	9537	thermostat and pressure switch calibrator
5226	theatre technician	9524	thermostat assembler - electrical equipment manufacturing
6742	theatre usher		

9524	thermostat calibrator	6524	ticket clerk - railway
9619	thermostat capillary sealer	6524	ticket clerk (except airline)
9524	thermostat inspector	6316	ticket clerk supervisor
7445	thermostat repairer	1411	ticket preparer - manufacturing
9411	thickener equipment tender - primary metal processing	6611	ticket seller - cashier
8422	thinning saw operator - forestry	6316	ticket seller supervisor
8422	thinning saw operator	6742	ticket taker and usher
6322	third cook	6316	ticket taker supervisor
2274	third engineer - water transport	6742	ticket taker
2274	third engineer, Coast Guard vessel	9436	tie and timber inspector
9433	third hand - pulp and paper	7531	tie axe unit operator - railway
2273	third mate, ship	7531	tie crane operator - railway
2273	third officer, Coast Guard vessel	7531	tie inspector, railway
4168	third secretary, foreign service	9619	tie maker
2274	third watchkeeping engineer, Coast Guard vessel	7531	tie plate jack operator - railway
2273	third watchkeeping officer, Coast Guard vessel	7531	tie saw operator - railway
9241	third-class power engineer	7531	tie shear operator - railway
9241	third-class stationary engineer	7531	tie tamper operator - railway
3111	thoracic surgeon	7531	tie-bed-scarifier operator - railway
9614	thrasher feeder	7531	tie-cutter operator - railway
9417	thread cutter - metal machining	7531	tie-cutting machine operator - railway
9441	thread doubler	5244	tie-dye artisan
9417	thread grinder set-up operator	7531	tie-end-remover operator - railway
9447	thread inspector - textiles	7531	tie-injector operator - railway
9619	thread laster - shoe manufacturing	7531	tie-placer operator - railway
9441	thread spinner	7531	tie-plate-placer operator - railway
9441	thread spooler	7452	tier lift truck operator
9619	thread trimmer - garment manufacturing	9442	tier-in, warps - textiles
9441	thread winder	7237	TIG (tungsten inert gas) welder
9417	threader - metal machining	7205	tile and marble contractor
9416	threader - metal products manufacturing	9414	tile burner - clay products
9442	threader - textiles	9619	tile cutter
9442	threader, loom	5243	tile designer
9417	thread-grinder operator	7283	tile fitter
9417	threading machine operator	7283	tile floor layer
9417	thread-milling machine set-up operator	9415	tile grader, clay - mineral products processing
9213	threshing department foreman/woman - tobacco processing	7283	tile installer
8431	threshing machine operator	9414	tile kilnman/woman - clay products
5232	thrill performer	7611	tile layer helper
3111	throat specialist	7283	tile layer
9523	through-hole assembler - electronic equipment manufacturing	9414	tile maker - clay products
9523	through-hole assembler	7283	tile mason
6524	ticket agent - bus line	7283	tile mechanic
6524	ticket agent - cruise line	7291	tile roofer
6524	ticket agent - transit station	7611	tile setter helper
6524	ticket agent (except airline)	7205	tile, terrazzo and marble setting contractor
6523	ticket agent, airline	7291	tiler, roofs
6524	ticket and customer service clerk (except airline)	7283	tilsetter, apprentice
6523	ticket and information agent - airline	7283	tilsetter
6524	ticket and information clerk (except airline)	7205	tilsetters foreman/woman
9617	ticket checker - tobacco processing	7283	tilsetters lead hand
		7205	tilsetters supervisor
		7205	tilsetting contractor
		7205	tilsetting supervisor
		9431	tilt-hoist operator - sawmill
		9411	tilting table tender - metal processing

8614	timber and steel prop salvager	9423	tire classifier
8614	timber and steel prop setter helper	9615	tire cleaner - rubber products manufacturing
6222	timber buyer	9615	tire cleaner and painter - rubber products manufacturing
2223	timber cruiser	9423	tire coverer
9431	timber cut-off sawyer - sawmill	9423	tire curer
2223	timber marker	0621	tire dealer
2223	timber rider	9423	tire finisher
2223	timber scaler	9214	tire finishing foreman/woman
2223	timber technician	9214	tire finishing supervisor
9434	timber treating tank operator	9214	tire inspection supervisor
8614	timbering and steel prop setting helper	9423	tire inspector
8411	timberman/woman - mines	9423	tire maker
8411	timberman/woman - underground mining	9615	tire measurer - rubber products manufacturing
8614	timberman/woman helper - underground mining	7232	tire mould repairer
9614	timber-treating tank helper	0911	tire plant manager
7384	time lock expert	9423	tire rebuilder
1122	time study analyst - services to management firms	9423	tire recapper
2233	time study analyst	7535	tire repairer - automotive service
2233	time study technologist	9423	tire repairer, assembly line
1432	timekeeper - payroll	7535	tire repairer
5253	timer, racetrack	9423	tire repairer-vulcanizer
2141	time-study engineer	9214	tire retread foreman/woman
9536	tin can dipping enameller	9423	tire retreader
9418	tin can inspector	9423	tire retreading inspector
9415	tin plate inspector and grader	9214	tire retreading supervisor
9536	tin plater	6421	tire salesperson - retail
9536	tinned sheet coating machine operator	9214	tire stock preparation foreman/woman
9537	tinsel maker operator	9423	tire touch-up and buff worker
7233	tinsmith - sheet metal work	9423	tire tread moulder
7611	tinsmith helper - construction	9423	tire trimmer, hand
7233	tinsmith roofer	9615	tire tube checker - rubber products manufacturing
7233	tinsmith	9615	tire tube inserter - rubber products manufacturing
9413	tinted glassware maker	9615	tire tube repairer - rubber products manufacturing
9421	tinter - chemical processing	9423	tire valve worker
9418	tinware beader	9423	tire vulcanizer
9536	tinware dipper and enameller	9423	tire-bagging machine tender
9536	tinware dipping enameller	9423	tire-retreading machine tender
7452	tipman/woman - surface coal mining	3211	tissue technologist - medical laboratory
9213	tipping department foreman/woman - tobacco processing	4211	title and lease clerk
9461	tipping machine tender - tobacco processing	5241	title artist
9423	tire assembler	4211	title examiner
9423	tire bagger	4112	title lawyer
9615	tire balance checker - rubber products manufacturing	4211	title searcher
9615	tire band wrapper - rubber products manufacturing	9524	toaster assembler
9615	tire bead picker - rubber products manufacturing	9617	tobacco baler
9423	tire breaker operator	9461	tobacco blender
9423	tire buffer	6222	tobacco blending line attendant
9423	tire builder	9461	tobacco buyer
9214	tire building foreman/woman	9461	tobacco casing fluid blender
9214	tire building supervisor	9461	tobacco casing fluid cooker - tobacco processing
7535	tire changer - automotive service	9461	tobacco conditioner tender

8431	tobacco curer	7245	toll line inspector - telecommunications
9213	tobacco curing room foreman/woman	7245	toll line repairman/woman - telecommunications
8611	tobacco cutter - tobacco harvesting	7245	toll lineman/woman - telecommunications
9461	tobacco cutter - tobacco processing	1414	toll operator
9461	tobacco dryer - tobacco processing	7246	toll switchman/woman - telecommunications
8252	tobacco farm foreman/woman	7246	toll telephone exchange tester
8431	tobacco farm worker	7246	toll tester, telephone exchange
0821	tobacco farmer	1212	tollgate supervisor
8252	tobacco farming workers foreman/woman	0821	tomato grower
9461	tobacco flavourer	9461	tomato juice extractor
9465	tobacco grader	8611	tomato picker
8431	tobacco harvesting machine operator	7611	tombstone erector
9617	tobacco hogshead liner	7611	tombstone setter
9461	tobacco leaf blender	9537	tool and cutlery assembly inspector
9461	tobacco leaf cutter	2232	tool and die designer
9465	tobacco leaf grader	7231	tool and die inspector
9461	tobacco leaf grinder	7201	tool and die inspectors foreman/woman
9461	tobacco leaf twister	7201	tool and die inspectors supervisor
9461	tobacco packaging machine tender	7232	tool and die maker apprentice
9617	tobacco packer, machine	7232	tool and die maker, injection moulds
9617	tobacco packer	7232	tool and die maker
8611	tobacco picker	7201	tool and die makers foreman/woman
8431	tobacco primer	7201	tool and die makers supervisor
9213	tobacco processing foreman/woman	7201	tool and die making supervisor
9617	tobacco processing labourer	4021	tool and die making teacher - community college
9213	tobacco processing supervisor	7232	tool and die preparer
6421	tobacco product clerk	7232	tool and die repairer
6411	tobacco product sales representative - wholesale	7237	tool and die welder
9461	tobacco roller	6421	tool and equipment rental clerk
9465	tobacco sample puller	7231	tool and gauge inspector
6421	tobacco shop clerk	2253	tool checker - drafting
9461	tobacco shredder	1522	tool clerk
8611	tobacco stripper - tobacco harvesting	1215	tool clerks foreman/woman
9461	tobacco stripper - tobacco processing	1215	tool crib supervisor
0714	tobacco warehouse manager	2253	tool design draftsman
9617	tobacco weigher	2232	tool designer
9461	tobacco-blending machine operator	2132	tool engineer
9461	tobacco-cutting machine tender	9417	tool filer, hand - metal machining
9461	tobacco-dressing machine operator - tobacco processing	7232	tool fitter
9617	tobacco-packing machine tender	9417	tool grinder - metal machining
7311	tobacco-processing machine mechanic	9417	tool grinder set-up operator
9461	tobacco-processing machine operator	1215	tool keepers supervisor
9213	tobacco-processing workers foreman/woman	9417	tool lapper - metal machining
9213	tobacco-stemming room foreman/woman	7232	tool maintainer
9619	toe and heel sprayer - shoe manufacturing	7232	tool maintenance man/woman
9524	toggle switch assembler - electrical equipment manufacturing	7232	tool maker, bench
9421	toiletries moulder and compressor	7311	tool maker, jig bore
5244	tole painter	7311	tool oiler and maintenance mechanic
6742	toll booth attendant	0911	tool oiler and repairer
6316	toll bridge attendants supervisor	2233	tool production department manager
6742	toll collector	7232	tool programming technologist
7246	toll communication electrician	7232	tool repairer
7246	toll equipment man/woman - telecommunications	7232	tool repairman/woman
		1522	tool room attendant
		1522	tool room storeman/woman

1522	tool store clerk	4163	tourism development officer - government
9417	tool-dresser operator	4163	tourism development officer
9526	tooling and metalworking machine try-out tester	4163	tourism industry consultant
7201	tooling foreman/woman	4163	tourism industry specialist
7231	tooling inspector	1123	tourism information officer
7201	tooling inspectors foreman/woman	1123	tourism information technician
7201	tooling inspectors supervisor	0412	tourism policy director
7201	tooling supervisor	0412	tourism promotion director - government services
7232	toolmaker	0412	tourism research manager - government services
8222	toolpusher - offshore drilling rig	4163	tourism services co-ordinator - government
8222	toolpusher - oil and gas well	4021	tourism trainer
8222	toolpusher	6552	tourist booth attendant
7201	toolroom foreman/woman	6722	tourist camp attendant
7231	toolroom inspector	6731	tourist camp cleaner
7231	toolroom machinist	6531	tourist guide
7384	toolsmith	0632	tourist home operator
9537	toothbrush maker operator	6552	tourist information clerk
9437	toothpick lathe operator	6521	tourist information counsellor
9437	toothpick-chopping machine tender	6552	tourist information office attendant
8411	top cager - underground mining	6552	tourist information officer
9441	top dyer - textile manufacturing	7452	tow motor driver (except air transport)
9442	top knitter	1525	tow truck dispatcher
9527	top-capping machine tender - electrical equipment manufacturing	7511	tow truck driver
2271	topographic survey pilot	2272	tower controller - air traffic
2254	topographic survey technician	7236	tower crane erector
2254	topographic survey technologist	7371	tower crane operator
6221	topographical equipment salesperson	7244	tower line maintainer - electric power systems
9442	topper - textiles	7244	tower lineman/woman - electric power systems
7237	torch brazer	7531	tower operator - railway transport
7237	torch brazing machine setter	9421	tower operator - soap
7237	torch welder	7451	tower-loader operator - marine cargo handling
7445	torque wrench calibrator	7531	towerman/woman - railway transport
2242	totalizer systems technician	0012	town clerk
5244	totem pole carver	7514	town messenger driver
9619	touch-up cleaner - furniture finishing and refinishing	2153	town planner
9536	touch-up painter, production	0012	township clerk
9534	touch-up person - furniture finishing	2121	toxicologist
9534	touch-up worker - furniture finishing	9537	toy assembler
7512	tour bus operator	9227	toy assembly foreman/woman
6531	tour director	5243	toy designer - arts and crafts
6531	tour escort	2252	toy designer - industrial design
9215	tour foreman/woman - pulp and paper	9537	toy inspector
6313	tour guide supervisor	9537	toy maker
6531	tour guide	9227	toy manufacturing foreman/woman
6411	tour operator - wholesale	9227	toy manufacturing supervisor
0651	tour operator	0621	toy store manager
6411	tour package sales representative - wholesale	6421	toy store salesperson
0421	tourism and hotel school manager	9537	toy-stuffing machine operator
4163	tourism consultant - government	7245	tracer - telecommunications
0412	tourism development director - government services	9421	tracer powder blender
0412	tourism development manager - government services	6523	tracer, baggage - airline
		2253	tracer, drafting

9537	tracer-bullet-loading machine operator	7511	tractor-trailer truck driver
5245	tracer-patternmaker	4162	trade analyst
9472	tracer-transferrer	0423	trade association manager
1511	tracing clerk, mail	0012	trade commissioner
5252	track and field athletes coach	0412	trade development director - government services
5252	track and field coach	0412	trade development director
0513	track and field director	4162	trade economist
5254	track and field instructor	0601	trade expansion manager
5253	track and field judge	4021	trade instructor - community college
5252	track and field team coach	0412	trade liaison director - government services
5251	track athlete	4163	trade promotion officer
7302	track boss - railway	0421	trade school director
8221	track boss - underground mining	0014	trade school general manager
7531	track broom machine operator - railway	0421	trade school manager
7531	track dresser - railway	1226	trade show organizer
8411	track equipment operator - underground mining	1226	trade show planner
7531	track fitter - railway	1242	trademark administrative assistant
7302	track foreman/woman - railway	4211	trademark agent
7302	track foreman/woman, streetcar	4112	trademark lawyer
7622	track greaser - railway	1242	trademark secretary
7531	track inspector, railway	1113	trader, foreign exchange
5253	track judge	1113	trader, stocks and bonds
7622	track labourer, railway	7611	trades helper - construction
7531	track layer - railway	4031	trades instructor - secondary school
7531	track maintenance equipment operator, railway	7272	tradesman/woman cabinetmaker
7531	track maintenance worker - railway	0121	trading floor manager
7531	track patroller, railway	3232	traditional Chinese medicine practitioner
7531	track repairer, railway	1215	traffic and distribution supervisor
7531	track repairman/woman - railway	0731	traffic and transportation assistant manager
7622	track sweeper - railway	2275	traffic checker, waterways
7531	track tamper - railway	1454	traffic checker
7531	track-liner operator - railway	0131	traffic chief - telecommunications
7521	track-loader operator	1523	traffic clerk - broadcasting
7531	track-maintenance-machine operator - railway	1523	traffic clerk
7531	trackman/woman - railway yard	1215	traffic control clerk
8411	trackman/woman - underground mining	7305	traffic control supervisor
7531	trackman/woman, railway	1454	traffic controller, subway system
7531	trackmobile operator - railway	2131	traffic counter
8411	trackperson - underground mining	2131	traffic engineer, rail transportation
7531	track-surfacing machine operator - railway	0211	traffic engineer
7531	trackwalker - railway		traffic engineering service manager - telecommunications
9423	traction belt builder - rubber products manufacturing	0431	traffic inspector - police
9526	tractor assembler	7305	traffic inspector - public transit system
7371	tractor crane operator	7441	traffic light installer
7312	tractor mechanic, farm	7244	traffic light repairer
7312	tractor mechanic	0131	traffic manager - cable systems
7521	tractor operator - construction	0131	traffic manager - telephone system
8431	tractor operator - farm	0731	traffic manager - transport
7312	tractor repairer, farm	0731	traffic manager - transportation
7521	tractor-excavator operator	0731	traffic manager - water transport
9226	tractor-trailer assembly foreman/woman	2131	traffic operations engineer
9226	tractor-trailer assembly supervisor	4311	traffic patrol officer
7511	tractor-trailer driver, long haul	1431	traffic rate clerk
		5231	traffic reporter

0411	traffic safety administrator - government services	6411	transfer company agent
5223	traffic sign painter	0731	transfer company manager
7441	traffic signal installer	9614	transfer equipment tender - wood processing
0431	traffic superintendent - police	8411	transfer hoist operator
4423	traffic supervisor - by-law enforcement	7361	transfer hostler - railway
7305	traffic supervisor - motor transport	9442	transfer knitter
2231	traffic technician - civil engineering	9417	transfer machine tender - metal machining
2231	traffic technologist	9471	transfer machine tender - printing
9526	trailer assembler	9614	transfer man/woman - wood processing
9226	trailer assembly foreman/woman	9431	transfer operator - sawmill
6722	trailer campsite attendant	9471	transfer press operator
9526	trailer frame assembler	7531	transfer table operator - railway yard
7321	trailer mechanic	4211	transfer-of-title clerk
7321	trailer mechanical systems repairer	9472	transferrer
6722	trailer park attendant	9525	transformer accessories assembler
6316	trailer park supervisor	9525	transformer assembler
7362	train conductor	9525	transformer assembly clamber
2275	train dispatcher	9525	transformer assembly coil clamber
2275	train dispatchers supervisor	9525	transformer builder
7361	train engineer	9524	transformer coil impregnator operator - electrical equipment manufacturing
2275	train operator	9527	transformer coil impregnator
1526	train scheduler	7333	transformer coil repairer
6721	train service attendant	9525	transformer coil winder
1312	trainee adjuster - insurance	9525	transformer core assembler
4021	trainee instructor	9525	transformer core lapper
2261	trainee, non-destructive testing	9525	transformer core maker
5252	trainer, athletic boxing	9525	transformer core stacker
5252	trainer, boxing	9525	transformer department lead hand
4021	trainer, company	9525	transformer fitter
4021	trainer, computer	9525	transformer fitter-wirer
8252	trainer, horse	9525	transformer gas detector relay assembler
5252	trainer, kickboxing	9525	transformer inspector
8252	trainer, racehorses	9525	transformer maker
1121	training adviser	7301	transformer repair shop foreman/woman
1121	training and development consultant	7333	transformer repairer
0112	training and development manager	7333	transformer repairman/woman
0112	training chief	9524	transformer static plate assembler
1415	training clerk	9613	transformer stockroom attendant
4021	training consultant - industry	9525	transformer subassembler
6421	training course salesperson	9525	transformer tapgear assembler
0421	training institute director	9525	transformer tester
4021	training instructor - college level	9525	transformer winder
4021	training officer - company	9523	transistor assembler
1121	training programs supervisor	2254	transit man/woman - surveying
4021	training representative, computer	2254	transit operator - surveying
7531	trainman/woman - railway yard	7512	transit operator - transportation
8411	trainman/woman - underground mining	1526	transit planner
7531	trainman/woman, yard	1526	transit scheduler
7304	trainmaster	6524	transit station ticket agent
8411	trammerman/woman	0016	transit system general manager
1251	transcriber	7305	transit system inspector
7445	transcribing machine servicer	4212	transition home worker - social services
1251	transcriptionist	4212	transition house worker - social services
9411	transfer bed operator - primary metal processing	1122	transition management consultant
1431	transfer clerk	1452	translation clerk
		5125	translator adaptor

5125	translator, foreign broadcasts	0412	transportation programs manager - government services
5125	translator, foreign news		
5125	translator	2153	transportation route planning analyst
5125	translator-reviser	1526	transportation route scheduler
5125	transliterator	1215	transportation route schedulers supervisor
9526	transmission assembler	1526	transportation routes scheduler
9526	transmission assembly inspector	4161	transportation safety analyst
9526	transmission assembly tester	1526	transportation schedule clerk
9522	transmission installer	1526	transportation schedule maker
7244	transmission lineman/woman - electric power systems	1526	transportation schedules writer
0912	transmission lines manager	0731	transportation superintendent
7321	transmission mechanic	6732	transportation vehicle scrubber
0912	transmission operations director - utilities	8262	trap boss - fishing
5224	transmission operator	8262	trap fisherman/woman
5224	transmission studio control operator	5232	trapeze artist
7321	transmission technician	8442	trapper
9522	transmission tester - motor vehicle manufacturing	6532	trapping guide
7246	transmission tester - telecommunications	0621	travel agency manager
0131	transmission traffic manager - telecommunications	6521	travel agent
9226	transmission-rebuilding shop foreman/woman	0731	travel and relocation department manager
5224	transmitter operator	0621	travel branch manager
5224	transmitting operator	6521	travel centre counsellor
9423	Transmix operator - rubber products manufacturing	6313	travel clerk supervisor
8612	transplanter - landscape maintenance	6521	travel consultant
0016	transport and communications general manager	6521	travel counsellor
4423	transport compliance officer	6531	travel escort
0731	transport department manager	6531	travel guide
7511	transport driver	6521	travel information agent
4162	transport economist	6521	travel specialist
1215	transport logistician	7441	travel trailer installer-servicer
1215	transport logistics technician	9616	traveller changer
7313	transport refrigeration mechanic	6421	travelling salesperson - retail
7313	transport refrigeration technician	6411	travelling salesperson - wholesale
7321	transport truck mechanic	8261	trawler captain
7321	transport truck trailer mechanic	8441	trawlerman/woman
6524	transportation agent (except airline)	6711	tray carrier attendant, hospital
0731	transportation and traffic manager	6711	tray carrier, hospital
1526	transportation clerk	9423	tread cutter machine operator - rubber products manufacturing
1215	transportation co-ordinator		tread cutter, truck tires
0731	transportation director	9423	tread-cutting machine operator - rubber products manufacturing
4423	transportation enforcement officer		treadle saw operator - woodworking
2131	transportation engineer	9437	treasurer and controller - finances
0731	transportation fleet manager	0111	treasurer
0731	transportation logistics manager	0111	Treasury Board president
0731	transportation management director	0011	treasury clerk
0731	transportation manager	1431	treasury vice-president, banking institution
2153	transportation planner	0013	treated pole tester - wood processing
1215	transportation planning co-ordinator	9436	treater helper - chemical processing
0412	transportation policy director - government services	9613	treater, fuel gas
4161	transportation program analyst	9232	treater, petroleum
		9434	treating worker - wood preserving
		7311	treatment plant maintenance mechanic
		2225	tree and shrub specialist
		8432	tree grafter - nursery
		0822	tree grower - nursery

8241	tree harvester operator	9462	trimmer, meat - meat packing plant
0822	tree nursery operator	9535	trimmer, moulded plastic products
8616	tree planter, seasonal	9537	trimmer, paint roller covers
8241	tree processor operator - logging	9535	trimmer, plastic bottles
8422	tree pruner - forestry	9535	trimmer, plastic products
8612	tree pruner - landscaping	9414	trimmer, pottery
8255	tree removal contractor	9537	trimmer, products
8255	tree service contractor	9423	trimmer, rubber products
8255	tree service supervisor	9522	trimmer, soft top - motor vehicle manufacturing
2225	tree service technician		
8422	tree spacer - forestry	9437	trimmer, stummels - woodworking
8612	tree sprayer	9619	trimmer, thread - garment manufacturing
8612	tree surgeon helper	8612	trimmer, trees - landscaping
8612	tree trimmer - landscaping	9619	trimmer, upholstery
8241	treelength forwarder operator	9535	trimmer-assembler, aircraft plastic parts
8241	tree-length harvester operator	9431	trimmerman/woman - sawmill
7611	trench digger	9431	trimmerman/woman
7521	trench-digging machine operator	9437	trimming and boring machine operator - woodworking
7521	trenching machine operator		
3012	triage nurse	9431	trimming machine operator - sawmill
1227	trial co-ordinator - courts	9437	trimming machine operator - woodworking
4111	trial court judge	9537	trimming machine operator, shoes - footwear manufacturing
2132	tribologist		
4168	tribunal chairperson	9431	trimming machine tender - sawmill
4168	tribunal member	9447	trimming material inspector
4168	tribunal officer - government services	9416	trip hammer operator - metal forging
4168	tribunal officer	9461	tripe cooker - food and beverage processing
6562	trichologist	8262	troller fisherman/woman
9522	trim and hardware inspector - motor vehicle manufacturing	7512	trolley bus operator
		7512	trolley coach driver
9221	trim and hardware supervisor - motor vehicle manufacturing	7321	trolley engine mechanic
		5133	trombonist
9423	trim lathe operator - rubber products manufacturing	4313	trooper
		9537	trophy assembler
9418	trim machine adjuster	5243	trophy designer
9431	trim saw operator - sawmill	0821	tropical fish breeder
9437	trim saw operator - woodworking	3111	tropical medicine physician
9431	trim sawyer - sawmill	7202	trouble foreman/woman - telecommunications
9463	trimmer - fish processing		
9534	trimmer - furniture finishing	7442	troubleshooter - pipeline
9445	trimmer - leather products manufacturing	7202	troubleshooter foreman/woman - telecommunications
9462	trimmer - meat packing plant		
9612	trimmer - metal products manufacturing	7253	troubleshooter, gas works
9535	trimmer and assembler, plastic signs	1525	troubleshooting services dispatcher
9614	trimmer loader - wood processing	0823	trout farmer
9423	trimmer operator - rubber products manufacturing	7321	truck and coach technician
		7321	truck and trailer repairer
9431	trimmer operator - sawmill	6411	truck and trailer sales representative - wholesale (non-technical)
9437	trimmer operator - woodworking		
9431	trimmer tender - sawmill	7321	truck and transport mechanic
9473	trimmer, books	7321	truck and transport service technician
9619	trimmer, brooms	7321	truck and transport vehicle mechanic apprentice
9611	trimmer, castings		
9619	trimmer, chairs	9526	truck assembler
9437	trimmer, defects - woodworking	9226	truck assembly foreman/woman
9537	trimmer, footwear parts - footwear manufacturing	9526	truck assembly inspector
		9526	truck body builder

7371	truck crane operator	0122	trust company investment manager
1525	truck dispatcher	0122	trust company manager
7622	truck driver helper	0013	trust company regional vice-president
4021	truck driver trainer - community college	6551	trust company teller
7511	truck driver, bulk milk	1114	trust officer
7511	truck driver, cement - construction	1113	trust services salesman/woman
7511	truck driver, dangerous goods	0011	trustee, school board
7511	truck driver, explosives	9526	try-out tester, tooling and metalworking machines
7511	truck driver, flatbed	7246	TTY (teletypewriter) installer - telecommunications
7511	truck driver, freight	7246	TTY (teletypewriter) installer
7511	truck driver, heavy truck	7246	TTY (teletypewriter) repairer
7511	truck driver, liquid fertilizer	9617	tub filler - food and beverage processing
7511	truck driver, long distance	5133	tuba player
7511	truck driver, long haul	9523	tube assembler - electronic equipment manufacturing
7511	truck driver, ready-mix	9411	tube drawer - primary metal processing
7511	truck driver, tractor-trailer	9611	tube drawer helper - primary metal processing
7511	truck driver, truck-trailer	9423	tube finisher - rubber products manufacturing
7511	truck driver	7235	tube fitter - structural metal and platework
7305	truck drivers foreman/woman	9435	tube machine operator - paper converting
7305	truck drivers supervisor	9435	tube maker, machine - paper converting
7305	truck driver-supervisor	9611	tube roller helper - primary metal processing
4216	truck driving instructor	9411	tube rolling mill operator - primary metal processing
7305	truck fleet foreman/woman	9423	tube skiver - rubber
6421	truck leasing representative	9423	tube sorter - rubber reclaiming
7452	truck load weigher	9411	tube straightener operator - primary metal processing
7452	truck loader	9523	tube tester
7321	truck mechanic	9423	tube vulcanizer tender - rubber products manufacturing
7511	truck mixer driver - construction	9416	tube-bending machine operator - metal fabrication
7511	truck operator	9537	tube-cutting machine tender
7511	truck owner operator	9423	tuber operator - rubber products manufacturing
6421	truck rental clerk	9435	tuber, machine - paper converting
6421	truck salesperson	9616	tubing folder - textile processing
1526	truck scheduler	8615	tubing helper - oil field services
9423	truck tire builder	9411	tubing machine tender - primary metal processing
9526	truck trailer assembler	9524	tubular heating element maker
9226	truck trailer assembly foreman/woman	9416	tubular metal products fabricator
9226	truck trailer assembly supervisor	9619	tubulating machine feeder - glass products manufacturing
9526	truck trailer builder	9446	tufted carpet mender
9526	truck trailer final inspector	9442	tufting machine operator - textiles
7321	truck trailer mechanic	9442	tufting machine operator, carpets
7321	truck trailer repairer apprentice	9442	tufting operator
7321	truck trailer service technician	9217	tufting supervisor - textiles
0651	truck wash manager	2273	tugboat captain
6732	truck washer	7532	tugboat deckhand
7511	trucker	1525	tugboat dispatcher
0016	trucking company general manager	2274	tugboat engineer
7305	trucking contractor		
7511	truck-trailer driver		
7321	truck-trailer repairer		
9537	truer, clock and watch hairsprings		
9537	truer, hairsprings		
5133	trumpeter		
9445	trunk maker, leather		
9437	trunk panel finisher - woodworking		
9533	truss maker, wood		
0122	trust company branch manager		
0013	trust company general manager		

2273	tugboat master	9461	turnip waxer - food and beverage processing
2273	tugboat skipper	6742	turnstile attendant
6741	tumble dryer tender - laundry and dry cleaning	7531	turntable operator - railway yard
9423	tumbler operator - rubber products manufacturing	5232	turntablist
9617	tumbler tender - food and beverage processing	9417	turret lathe operator - metal machining
9612	tumbler tender - metal products manufacturing	9417	turret lathe set-up operator
9423	tumbler tender - rubber products manufacturing	9461	turret machine tender - tobacco processing
9441	tumbler tender - textile manufacturing	9416	turret press operator
9536	tumbling barrel painter	9416	turret press set-up operator
9612	tumbling barrel tender - metal products manufacturing	9416	turret punch press operator - metal fabrication
9536	tumbling barrel tender	4216	tutor - elementary school subjects
9612	tumbling machine tender - metal products manufacturing	4012	tutor - post-secondary teaching assistant
7445	tuner-technician, piano	4216	tutor - secondary school subjects
7321	tune-up mechanic - motor vehicle	4021	tutor, correspondence school
7321	tune-up specialist - motor vehicle	4021	tutor, modern languages - language school
7237	tungsten inert gas (TIG) welder	9523	TV set inspector and tester - electronic equipment manufacturing
2264	tunnel construction inspector	7247	TVRO (television receive only) technician
2131	tunnel engineer	9441	twine dyer
9414	tunnel kiln operator - clay products	9441	twine maker
9414	tunnel kilnman/woman - clay products	9441	twine-cropping machine tender
7532	tunnel operator, ship	9441	twine-shearing machine tender
7611	tunnelling machine operator helper - construction	9616	twisted end finder - textile processing
7521	tunnelling machine operator	9537	twisted wire brush maker
7532	tunnelman/woman, ship	9441	twister operator - textile manufacturing
7301	turbine assembly foreman/woman	9441	twister tender - textile manufacturing
9526	turbine assembly inspector and tester	9461	twister, tobacco leaves
7231	turbine blade machinist	9217	twisting foreman/woman - textiles
7316	turbine fitter	9441	twisting frame operator - textile manufacturing
9241	turbine operator - stationary engines	9537	twisting machine tender
7252	turbine pipefitter	9441	twisting operator - textile manufacturing
0821	turf farmer	9619	tying machine tender
2225	turfgrass management specialist	1423	type compositor
8252	turkey farm foreman/woman	9523	type-bar-and-segment assembler
8252	turkey farming workers foreman/woman	1423	typecasting machine operator
0821	turkey producer	1423	typesetter - typesetting
9619	turner - garment manufacturing	7303	typesetter, photocomposition
9437	turner - woodworking	7303	typesetters foreman/woman - printing
9414	turner operator, greenware - clay products	1423	typesetters supervisor - printing
9414	turner, clayware	1423	typesetting machine operator
9537	turner, jewellery	1423	typesetting machine tender
9437	turner, lather - woodworking	7237	type-soldering machine tender
9414	turner, pottery and porcelain - clay products	9523	typewriter aligner
9437	turner, stummels - woodworking	9537	typewriter assembly tester
9437	turner, wood - woodworking	9523	typewriter inspector, parts and assemblies
9437	turner, wood lathe - woodworking	9523	typewriter parts salvager
9437	turner, woodworking	9537	typewriter tester
9437	turning machine operator - woodworking	4021	typing teacher - commercial college
9537	turning machine operator, textile bags	1411	typist
9437	turning sander tender - woodworking	1423	typographer apprentice
		1423	typographer
		7303	typographers supervisor

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		1313	underwriter, accident and sickness - insurance
9537	ultrasonic cleaning machine tender	1313	underwriter, automobile - insurance
6221	ultrasonic equipment salesperson	1313	underwriter, boiler and machinery - insurance
2261	ultrasonic immersion tester		
2261	ultrasonic technician - non-destructive testing	1313	underwriter, casualty - insurance
		1313	underwriter, commercial - insurance
2261	ultrasonic tester	1313	underwriter, farm - insurance
2261	ultrasonic testing technician	1313	underwriter, fire - insurance
3216	ultrasonographer - medical	1313	underwriter, group - insurance
3216	ultrasonography technician	1313	underwriter, head office - insurance
3216	ultrasonography technologist	1313	underwriter, home office - insurance
3216	ultrasound supervisor	1313	underwriter, life
3216	ultrasound technician	1313	underwriter, marine - insurance
3216	ultrasound technologist	1313	underwriter, marine and aircraft - insurance
2261	ultraviolet light testing technician	1313	underwriter, package - insurance
9537	umbrella inspector	1313	underwriter, property - insurance
9537	umbrella maker	1313	underwriter, public liability - insurance
5253	umpire	1114	underwriter, securities
9432	unbleached pulp washer - pulp and paper	1313	underwriter, surety - insurance
9423	uncured tire inspector	0121	underwriting department manager
9423	uncured tire lubricator	1121	union adviser
9423	uncured tire repairer	0014	union association president
9536	undercoater - motor vehicle manufacturing	1121	union organizer
8231	undercutter operator - underground mining	1121	union representative
9525	undercutting machine operator - industrial electrical equipment	3413	unit aide - medical
		3413	unit assistant - medical
7612	underground cable helper	3234	unit chief, ambulance services
7244	underground cable splicer - electric power systems	1411	unit clerk
		1211	unit clerks supervisor
7245	underground cable splicer - telecommunications	2122	unit forester
		5111	unit head librarian
7612	underground cable splicer helper	5226	unit manager - motion pictures and broadcasting
2241	underground distribution technologist - electrical power		
		0423	unit manager, vocational rehabilitation
7202	underground electrical conduit foreman/woman	6311	unit supervisor - food services
		3413	unit support technician - medical
2133	underground electrical distribution engineer	9417	universal grinder set-up operator
8614	underground helper - mining	1221	university admissions officer
7611	underground labourer - construction	4033	university counsellor
8614	underground labourer - mining	4011	university department head
7244	underground lineman/woman - electric power systems	4011	university instructor, engineering
		4012	university laboratory assistant
7442	underground lines inspector - utilities	4011	university lecturer
8221	underground mine foreman/woman	0714	university maintenance manager
8614	underground mine labourer	0014	university president
0811	underground mine superintendent	4011	university professor, engineering
0811	underground mining superintendent	4011	university professor, English
1522	underground tool crib attendant	4011	university professor
0012	undersecretary of state	0421	university registrar
6346	undertaker assistant	0413	university research assistant director
6346	undertaker	4012	university research assistant
7384	underwater contractor	0632	university residence manager
7384	underwater worker	4012	university teaching assistant
9446	underwear sewer	7452	unloader, glass cut-off machine
1313	underwriter - insurance	9532	upfitter - furniture manufacturing
		9232	upgrader process operator - petroleum

7311	upgrading plant mechanic	1525	utilities maintenance crew dispatcher
9619	upholsterer helper	7522	utility arborist
6345	upholsterer, aircraft	1411	utility clerk
6345	upholsterer, railway car	7522	utility forester
6345	upholsterer	9611	utility labourer - primary metal and mineral products processing
9217	upholsterers foreman/woman - fabric, fur and leather products manufacturing	7522	utility locator
6421	upholstery and furniture repair salesperson	9611	utility machine worker - primary metal and mineral products processing
9619	upholstery cleaner and finisher	7442	utility maintenance worker
6732	upholstery cleaner	9614	utility man/woman - pulp and paper
9445	upholstery marker and cutter	9523	utility operator - electronic equipment manufacturing
6345	upholstery mechanic		utility operator - motor vehicle manufacturing
9535	upholstery moulder - plastic manufacturing	9522	utility operator, electrical equipment manufacturing
9535	upholstery presser - plastic manufacturing	9524	
6345	upholstery repairer		7311 utility plant maintenance mechanic
9619	upholstery trimmer		7442 utility plant maintenance worker
9217	upholstery-cutting and sewing foreman/woman	7522	utility pole inspector
9612	upsetter helper - metal fabrication	7612	utility pole installer
9416	upsetter operator - metal forging	7522	utility pole tester
9416	upsetting machine operator - metal forging	9522	utility repairer - motor vehicle manufacturing
9441	uptwister operator - textile manufacturing	7522	utility tree trimmer
9441	uptwister tender - textile manufacturing	7522	utility tree worker
9411	uranium classifier operator	9524	utilityman/woman, assembly lines - electrical equipment manufacturing
9415	uranium ore evaluator		
9211	uranium processing foreman/woman		
2153	urban and regional planner		
2122	urban forester		
4169	urban geographer		
2153	urban planner		
0212	urban planning and development assistant director - government services	5254	vacation camp counsellor
0212	urban planning and development director - government services	5254	vacation camp leader
0212	urban planning and renewal director - government services	2221	vaccine technician
4011	urban planning professor - university	9537	vacuum bottle assembler
2231	urban planning technician	9619	vacuum bottle exhaust machine feeder
2153	urban renovation planner	9524	vacuum cleaner assembler
2131	urban road system engineer	7332	vacuum cleaner repairer
7522	urban snow removal equipment operator - public works	7332	vacuum cleaner repairman/woman
4169	urban sociologist	7332	vacuum cleaner servicer
7512	urban transit operator	9523	vacuum evaporation process plater - electronic equipment manufacturing
7305	urban transit system foreman/woman	9231	vacuum furnace operator - primary metal processing
0731	urban transit system manager	9231	vacuum-degasser process operator - primary metal processing
3111	urologist	9535	vacuum-forming machine tender, plastic products
0311	urology, chief of	9536	vacuum-metallizer tender
7452	used building materials yard attendant	6742	valet, parking
7322	used car renovator	6742	valet
6421	used-car salesperson - retail	1434	valuation clerk - financial sector
2283	user acceptance tester	1314	valuation consultant
5241	user experience designer	1314	valuator-appraiser
2282	user support technician	9423	valve buffer - rubber products manufacturing
1431	utilities billing clerk	7445	valve repairer, pipelines
1411	utilities clerk	9418	valve spring coiler
7612	utilities instrument mechanic helper	9418	valve spring winder

V

9446	vamp stitcher	8611	vegetable sorter - farm
9522	van assembler	8431	vegetable thinner
7452	van loader	6732	vehicle cleaner
7611	vanity and kitchen cupboard installer helper	9536	vehicle cleaner-coater
7441	vanity and kitchen cupboard installer	1454	vehicle counter
9422	vaporizer - plastic manufacturing	1523	vehicle servicing clerk
9523	variable capacitor tester	9416	vehicle spring repairer - metal forging
9523	variable resistor assembler	6345	vehicle upholstery repairer
9437	variety saw operator - woodworking	6741	velvet steamer - laundry and dry cleaning
0621	variety store manager	9526	vending machine assembler
1423	VariTyper operator	7514	vending machine driver-supplier
9613	varnish maker helper	7445	vending machine mechanic
9421	varnish maker	7445	vending machine repairer
9534	varnisher, furniture finishing	6411	vending machine sales representative
9534	varnisher, furniture refinishing	6411	vending machine services sales representative
9534	varnisher, furniture		
9536	varnisher, railway cars	9526	vending machine tester
9435	varnishing machine tender	6623	vendor
3216	vascular sonographer	9436	veneer and plywood grader - wood processing
3111	vascular surgeon		
3217	vascular technologist	9434	veneer clipper - wood processing
9434	vat tender, logs - wood processing	9434	veneer clipper tender, automatic - wood processing
6732	vat washer		
1434	vault attendant - financial sector	9434	veneer cutter - wood processing
1451	vault clerk - film library	9614	veneer dryer feeder
1431	vault clerk	9434	veneer dryer tender - wood processing
6742	vault custodian, furs	9434	veneer dryer tender
6541	vault custodian	9215	veneer foreman/woman - wood processing
9414	vault maker, concrete	9436	veneer grader - wood processing
7384	vault repairer	9436	veneer grader
7384	vault servicer	9434	veneer jointer - wood processing
9423	V-belt builder, rubber	9434	veneer jointer operator - wood processing
9423	V-belt coverer, rubber	9434	veneer lathe operator - wood processing
9423	V-belt curer, rubber	9434	veneer lathe operator
9423	V-belt finisher, rubber	9531	veneer layer, plywood boat
9214	V-belt foreman/woman - rubber manufacturing	9434	veneer matcher - wood processing
		9434	veneer patcher - wood processing
9423	V-belt skiver, rubber	9434	veneer reel tender - wood processing
9465	veal grader	9437	veneer sander - woodworking
5232	veejay (VJ) - video performance artist	9434	veneer slicer-lather - wood processing
9461	vegetable canner - food and beverage processing	9434	veneer splicer tender - wood processing
9461	vegetable dryer tender - food and beverage processing	9434	veneer strip cut-off sawyer - wood processing
		9434	veneer taper - wood processing
8252	vegetable farm foreman/woman	9224	veneering foreman/woman - furniture and fixtures manufacturing
8431	vegetable farm worker		
8252	vegetable farm workers foreman/woman	9224	veneering shop foreman/woman - furniture and fixtures manufacturing
0821	vegetable gardener		
9461	vegetable grinder - food and beverage processing	9434	veneer-slicing machine operator - wood processing
0821	vegetable grower	9537	Venetian blind assembler
2222	vegetable inspector	7441	Venetian blind installer
9461	vegetable oil extractor, solvent process	9537	Venetian blind maker
9461	vegetable oil extractor	6732	venetian blinds cleaner and repairer
8611	vegetable packer - farm	8411	ventilation man/woman - underground mining
9213	vegetable packing supervisor		
8611	vegetable picker	6732	ventilation system cleaner

5232	ventriloquist	2232	vibration technologist
1422	verifier, data processing	7237	vibration welder
5112	vertebrate zoology curator	8615	vibrator operator - seismic prospecting
5112	vertebrate zoology museum curator	7611	vibrator roller operator
9417	vertical boring machine operator	7611	vibratory compactor operator
9417	vertical boring mill operator	7521	vibratory road roller operator
9417	vertical boring mill set-up operator - metal machining	7521	vibratory roller operator
9417	vertical machining centre operator	0433	vice admiral
9417	vertical milling machine set-up operator - metal machining	4311	vice squad detective
9416	vertical press operator - metal fabrication	0012	vice-consul
9416	vertical press operator	0421	vice-president - college or university
9437	vertical resaw operator - woodworking	0013	vice-president - financial, communications and other business services
9416	vertical roll operator - metal fabrication	0016	vice-president - goods production, utilities, transportation and construction
9417	vertical-spindle milling machine set-up operator - metal machining	0012	vice-president - government services
9412	vessel operator - foundry	0014	vice-president - health, education, social and community services and membership organizations
4212	veteran services officer	0015	vice-president - trade, broadcasting and other services
4212	veterans' affairs field officer	0015	vice-president and general sales manager - trade, broadcasting and other services
0423	veterans' services director	0016	vice-president, engineering - goods production, utilities, transportation and construction
3213	veterinarian assistant	0015	vice-president, engineering - television broadcasting services
3114	veterinarian practitioner	0015	vice-president, finance - food wholesaling
3114	veterinarian, companion animals	0013	vice-president, finance - holding company
3114	veterinarian, farm	0016	vice-president, finance - mining company
3114	veterinarian, food animals	0013	vice-president, human resources - bank
3114	veterinarian, laboratory animals	0016	vice-president, human resources - goods production, utilities, transportation and construction
3114	veterinarian, preventive medicine	0016	vice-president, human resources and organizational development - goods production, utilities, transportation and construction
3114	veterinarian	0015	vice-president, information systems - trade, broadcasting and other services
3114	veterinary anatomist	0016	vice-president, marketing - airline
6563	veterinary attendant	0013	vice-president, marketing - clerical staff services
3114	veterinary bacteriologist	0015	vice-president, marketing - grocery store chain
3114	veterinary dentist	0016	vice-president, operations - electric power company
3114	veterinary epidemiologist	0015	vice-president, operations - radio broadcasting services
6221	veterinary equipment and supplies salesperson	0013	vice-president, operations - satellite communication services
6563	veterinary helper	0016	vice-president, personnel - bank
3114	veterinary inspector	0016	vice-president, sales - pulp and paper manufacturing
3114	veterinary internist	0422	vice-principal, school
3114	veterinary laboratory diagnostician	3012	Victoria Order nurse
3213	veterinary laboratory technician		
4011	veterinary medicine professor - university		
3114	veterinary microbiologist		
3114	veterinary parasitologist		
2121	veterinary parasitology biologist		
3114	veterinary pathologist		
3114	veterinary pharmacologist		
3114	veterinary physiologist		
3114	veterinary radiologist		
3114	veterinary specialist, small animals		
3114	veterinary surgeon		
3213	veterinary technician supervisor		
3213	veterinary technician		
3213	veterinary technologist		
3114	veterinary virologist		
2261	vibration analysis technician - non-destructive testing		

3012	Victorian Order of Nurses (VON) nurse	5244	violin maker
5225	video and sound recorder	7445	violin repairer
5113	video archivist	5133	violin teacher - private, conservatory or studio lessons
5136	video artist		
5222	video camera operator	5133	violinist
2242	video camera repairer - household and business equipment	2121	virologist
2242	video cassette recorder repairer	2221	virology technologist
5224	video control operator	9421	viscose filter operator
5131	video director	9212	viscose filtration foreman/woman - chemical processing
2242	video equipment installation and repair technician - household and business equipment	9421	viscose maker
		9421	viscose solution mixer
6421	video equipment salesperson - retail	4164	visible minorities policy officer
5223	video game artist	4412	visiting homemaker
5223	video game designer	3012	visiting nurse
5131	video illustrator - multimedia work	4011	visiting professor - university
5231	video jockey (VJ) - television broadcast	4011	visiting scholar - university
5131	video maker	4032	visiting teacher - elementary school
5131	video producer	6521	visitor information counsellor
0512	video production company manager	4163	visitor interpretation services co-ordinator - government
5225	video recorder	5136	visual arts teacher (except primary, secondary, post-secondary education)
5225	video recording technician		
6421	video rental clerk	2174	visual basic programmer
0621	video rental store manager	5243	visual display stylist
5225	video sound mixer	2272	visual flight rules air traffic controller
0621	video store manager	2261	visual inspection technician - welding
5225	video technician	5125	visual language interpreter
5224	video transmission operator	5243	visual merchandiser
5224	video transmission studio control operator	3231	visual orthosis technician
5225	video-editing equipment operator	3231	visual orthotic device technician
5222	videographer	2161	vital statistician
5225	video-recording equipment operator	0821	viticulturist
5225	videotape editor	5232	VJ (veejay) - video performance artist
5225	videotape postproduction editor	5231	VJ (video jockey) - television broadcast
5225	videotape recording (VTR) editor	5133	vocal music teacher - private, conservatory or studio lessons
5225	videotape recording (VTR) operator		
5225	videotape technician	5133	vocal soloist
1423	videotext operator	5133	vocalist
9617	vinegar maker helper	4033	vocational counsellor - education
9461	vinegar maker	0411	vocational education director - government services
8252	vineyard foreman/woman		
0821	vineyard manager	3143	vocational evaluator occupational therapist
8431	vineyard pruner	0422	vocational high school principal
8431	vineyard worker	4031	vocational high school teacher
8252	vineyard workers foreman/woman	4021	vocational institute teacher
9421	vinyl and asbestos-blending machine tender	4151	vocational psychologist
9421	vinyl fabrics inspector	4153	vocational rehabilitation consultant
7295	vinyl floor installer	4153	vocational rehabilitation counsellor
7295	vinyl floor layer	0423	vocational rehabilitation unit manager
5223	vinyl lettering artist	0421	vocational school administrator
7441	vinyl pool installer	0421	vocational school director
9522	vinyl roof installer - motor vehicle manufacturing	0421	vocational school manager
		4031	vocational secondary school teacher
7295	vinyl tile layer	4031	vocational teacher - secondary school
5133	viola teacher - private, conservatory or studio lessons	4031	vocational teacher, high school
		4021	vocational trainer

0411	vocational training director - government services	6731	wall washer
0112	vocational training director - human resources	7284	wallboard installer
5135	voice coach	7611	wallboard sander
1414	voice communication system operator	7284	wallboard taper
5133	voice teacher - music	5241	wallpaper colourist
5133	voice teacher - private, conservatory or studio lessons	5241	wallpaper designer
5135	voice-over actor	7381	wallpaper gravure proof press operator
2113	volcanologist	9537	wallpaper inspector
5252	volleyball coach	9435	wallpaper lapper - paper converting
5251	volleyball player	9435	wallpaper lapper
7243	voltage regulator maintainer - electrical power system	9619	wallpaper printer helper
4212	volunteer co-ordinator, social services	9471	wallpaper printer
0423	volunteer services director	9435	wallpaper reeler - paper converting
3012	VON (Victorian Order of Nurses) nurse	9435	wallpaper reeler
1431	voucher clerk	7381	wallpaper rotogravure press operator
5225	VTR (videotape recording) editor	6421	wallpaper salesperson - retail
5225	VTR (videotape recording) operator	9471	wallpaper sample sheet cutter-marker
9214	vulcanization supervisor - rubber products manufacturing	9471	wallpaper sample sheet marker
9615	vulcanization worker - rubber products manufacturing	2281	WAN (wide area network) administrator
9423	vulcanizer - rubber products manufacturing	2281	WAN (wide area network) technician
9423	vulcanizer tender, rubber tube	3413	ward aide - medical
		1411	ward clerk - hospital
		3012	ward nurse
		1243	ward secretary - hospital
		1243	ward secretary
		3011	ward supervisor - nursing
		5227	wardrobe assistant
		5227	wardrobe attendant
		6561	wardrobe consultant
		5226	wardrobe co-ordinator
		5226	wardrobe master/mistress
9435	wad compressor operator	5226	wardrobe supervisor
9523	wafer fabrication operator - electronic equipment manufacturing	9611	ware cleaner - clay products manufacturing
9523	wafer fabrication operator	9414	ware dresser - concrete, clay and stone products
9527	wafer machine tender - electrical equipment manufacturing	0714	warehouse and distribution centre manager
9523	wafer technician - electronic equipment manufacturing	1522	warehouse checker
9215	waferboard making foreman/woman - wood processing	1522	warehouse clerk - parts and equipment
9434	waferboard press operator - wood processing	1215	warehouse distribution supervisor
9434	waferboard press operator	1215	warehouse foreman/woman
9527	wafering machine operator - electrical equipment manufacturing	7452	warehouse keeper helper
4162	wage analyst - economic policy	0714	warehouse manager
1121	wage analyst	1522	warehouse person - parts and equipment
0112	wage and salary administration manager	1521	warehouse receiver
8231	wagon drill operator - underground mining	1521	warehouse shipper
6513	waiter/waitress - drive-in restaurant	1521	warehouse shipping clerk
6513	waiter/waitress - food and beverage services	0714	warehouse superintendent
6513	waiter/waitress	1215	warehouse supervisor
7371	walking bridge crane operator	7452	warehouse worker - material handling
6531	walking tour guide	7452	warehouseman/woman
7284	wall and ceiling installer	7452	warehouseperson
7295	wall and floor covering installer, residential	0714	warehousing manager
		9441	warp beamer - textile manufacturing
		9616	warp beamer helper - textile processing
		9442	warp drawer - textiles
		9442	warp drawer-in helper - textiles
		9441	warp dresser - textile manufacturing

9441	warp end dresser - textile manufacturing	9243	wastewater collection operator
9441	warp end dyer - textile manufacturing	9243	wastewater collection systems operator
9442	warp knitting machine tender	9243	wastewater treatment operator
9442	warp placer - textiles	9243	wastewater treatment plant operator
9441	warp spinner - textile manufacturing	9243	wastewater treatment plant worker
9447	warp tension tester - textiles	9537	watch assembler
9442	warp tier-in - textiles	9537	watch assembly inspector
9442	warp tier-in, machine - textiles	9537	watch balance wheel adjuster
9442	warp tier-in	9537	watch crystal edge grinder
9441	warp twister tender - textile manufacturing	9537	watch escapement put-in-beat adjuster
9442	warp tying machine tender - textiles	9537	watch final assembly inspector
9441	warper - textile manufacturing	9537	watch inspector
9441	warper operator - textile manufacturing	9537	watch movement tester
9441	warper tender, automatic - textiles manufacturing	6344	watch repairer apprentice
		6344	watch repairer
9441	warping operator - textile manufacturing	6344	watch repairman/woman
4313	warrant officer	6421	watch sales clerk
1411	warranty clerk	6421	watch salesperson - retail
9422	wash line operator - plastic recycling	2273	watchkeeping mate, ship
9421	washer and dryer - chemical processing	2273	watchkeeping officer - water transport
9432	washer operator, pulp	2273	watchkeeping officer, Coast Guard vessel
6741	washer, hand - laundry and dry cleaning	6344	watchmaker
6741	washer, machine - laundry and dry cleaning	7532	watchman/woman, ship
9423	washer-dryer, rubber products	2131	water and sewer engineer
9432	washerman/woman - pulp and paper	9212	water and sewer foreman/woman
9421	wash-house and recovery operator	9243	water and wastewater technician
9617	washing and waxing machine tender - food and beverage processing	2271	water bomber pilot
		7533	water bus captain
9524	washing machine assembler - electrical equipment manufacturing	7533	water bus master
		7533	water bus operator
6741	washing machine extractor operator - laundry and dry cleaning	2112	water chemist
		7441	water conditioner repairer
6741	washing machine operator - laundry and dry cleaning	7441	water conditioner servicer
		0912	water department director
7332	washing machine repairman/woman	0912	water distribution manager
7332	washing machine servicer	2231	water distribution systems technician
9441	washing machine tender - textile manufacturing	0912	water filtration plant manager
		7311	water filtration plant mechanic
9432	washing-screening operator - pulp and paper	9243	water filtration plant operator
9534	wash-off operator - furniture finishing	9212	water filtration plant supervisor
6731	washroom cleaner	9243	water gate operator
4161	waste diversion consultant	7441	water heater installer
4161	waste diversion program co-ordinator	7441	water heater servicer
4161	waste diversion program manager	2263	water inspector
9616	waste machine feeder - textile processing	9613	water intake tender - utilities
9616	waste machine feeder	9613	water intake tender
0912	waste management director	9522	water leak examiner - motor vehicle manufacturing
4161	waste management program co-ordinator		
4161	waste reduction and recycling officer	9522	water leak inspector - motor vehicle manufacturing
4161	waste reduction education program officer		
4161	waste reduction program co-ordinator	7442	water main maintenance man/woman
2134	waste treatment engineer	7442	water main maintenance worker
9411	waste treatment operator - metal processing	2131	water management engineer
9243	waste treatment plant operator	7442	water meter installer
9212	waste treatment supervisor	7445	water meter repairer
2263	waste water treatment plant inspector	7611	water pipe installer
0912	waste water treatment system director	9243	water plant pump operator

0912	water pollution control director	7441	water-softening system repairer
9212	water pollution control foreman/woman	2275	waterway traffic checker
9526	water pump assembler	7302	waterworks construction foreman/woman
2112	water purification chemist	2264	waterworks construction inspector
9212	water purification plant foreman/woman	0912	waterworks director
2211	water purification technician	9613	waterworks labourer
2131	water resources engineer	7442	waterworks maintenance worker
1525	water service dispatcher	0912	waterworks manager
7441	water softener installer	9243	waterworks pump house operator
7441	water softener repairer	0912	waterworks superintendent
7441	water softener servicer	7442	waterworks utility servicer
7441	water softening system servicer	9523	wave soldering machine operator - electronic equipment manufacturing
7442	water supply maintenance worker	9523	wave soldering machine operator
7442	water system maintenance worker	9421	wax bleacher
2131	water systems engineer	6562	wax depilation specialist
7533	water taxi captain	6562	wax depilator
7533	water taxi master	9613	wax moulder
7533	water taxi operator	9441	waxer - textile manufacturing
0731	water transport manager	9619	waxer, explosives manufacturing
9212	water treatment chief operator	9535	waxer, moulds - plastic manufacturing
2131	water treatment engineer	9412	wax-pattern assembler and repairer
9212	water treatment lead operator	9412	wax-pattern coater
9212	water treatment operations supervisor	9412	wax-pattern moulder
9243	water treatment operator	9412	wax-pattern mouldmaker
9212	water treatment plant foreman/woman	6421	wearing apparel salesperson - retail
7311	water treatment plant mechanic	2255	weather briefer
9411	water treatment plant operator - primary metal processing	2255	weather chart plotter
9243	water treatment plant operator	2255	weather forecast presentation technician
9243	water treatment plant process technician	2114	weather forecaster
9212	water treatment plant superintendent	5231	weather reporter
9212	water treatment plant supervisor	2255	weather station operations technician
9243	water treatment systems operator	7441	weather strip installer
7442	water utilities plant maintenance man/woman	7441	weather stripper
9243	water utility operator	7311	weave changer - textile manufacturing
7373	water well driller apprentice	9217	weave room foreman/woman - textile processing
7611	water well driller helper	9217	weave room supervisor - textile processing
7373	water well driller journeyman/woman	9217	weave room supervisor
7373	water well driller	5244	weaver - arts and crafts
7302	water well drilling contractor	9418	weaver - metal products manufacturing
7302	water well drilling foreman/woman	9442	weaver - textiles
7302	water well drilling supervisor	9612	weaver helper, wire
7373	water well drilling technician	9442	weaver, blankets
5136	watercolourist	9442	weaver, carpet
2273	waterman/woman	9532	weaver, chair seat
5252	water-polo coach	9442	weaver, cloth
5251	water-polo player	5244	weaver, hand
7611	waterproofeer - construction	9442	weaver, jacquard loom
7291	waterproofeer and roofer	9442	weaver, loom
7611	waterproofeer helper	9442	weaver, needle loom
9531	waterproofeer, canoe canvas	9442	weaver, nets - textiles
9619	waterproofeer, garments - garment manufacturing	9442	weaver, patterns - textiles
9537	waterproofeer	9442	weaver, power loom
7205	waterproofers foreman/woman	9442	weaver, rugs
7205	waterproofing foreman/woman	9442	weaver, samples
6722	waterslide attendant	9537	weaver, snowshoes

9418	weaver, wire lattices and wire meshes	8262	weir fisherman/woman
9418	weaver, wire lattices	2261	weld tester
9418	weaver, wire netting	9521	welded assemblies fitter-tester - aircraft assembly
9418	weaver, wire screens		
9418	weaver, wires	7237	welder apprentice
9217	weaving foreman/woman	7201	welder foreman/woman
9447	weaving inspector	9612	welder helper
5244	weaving instructor (except education)	7237	welder operator
9217	weaving room supervisor - textile processing	7237	welder, aircraft
9217	weaving room supervisor - textiles	7237	welder, arc
9217	weaving supervisor	7237	welder, combination
0124	Web communications manager	7237	welder, drilling platform
5241	Web designer - graphic design	7237	welder, drilling rig
2175	Web designer	7237	welder, gas and arc
2175	Web developer	7237	welder, gas
5241	Web graphic designer	7237	welder, gas-shielded arc
2175	Web manager	7237	welder, heliarc
0124	Web marketing manager	7237	welder, metal inert gas (MIG)
5241	Web page designer	7237	welder, MIG (metal inert gas)
7381	Web press operator - printing	7237	welder, oxyacetylene torch
7381	Web pressman/woman - printing	7237	welder, oxyacetylene
2174	Web programmer	7237	welder, oxyhydrogen
2281	Web site administrator	7237	welder, pipeline
2175	Web site designer	7237	welder, precision
2175	Web site developer	7237	welder, pressure vessels
2281	Web technician	7237	welder, production line
2175	Webmaster	7237	welder, resistance
6332	wedding cake decorator	7237	welder, shielded-metal arc
6561	wedding consultant	7237	welder, spot
6561	wedding services consultant	7237	welder, submerged arc
9619	wedger, machine	7237	welder, TIG (tungsten inert gas)
8255	weed control foreman/woman	7237	welder, tool and die
8252	weed control service contractor - agriculture	7237	welder, tungsten inert gas (TIG)
9441	weft straightener - textile manufacturing	7237	welder
9613	weigh scale attendant, landfill	7237	welder-assembler
4423	weigh station operator - by-law enforcement	9612	welder-fitter helper - manufacturing
9461	weigh tank tender - food and beverage processing	9612	welder-fitter helper
		7237	welder-fitter
9421	weigher - chemical processing	7237	welder-setter, resistance
9615	weigher - plastic and rubber manufacturing	7201	welding contractor
9421	weigher and mixer, colorants - chemical processing	2142	welding engineer
		7311	welding equipment mechanic
7622	weigher, freight cars	7311	welding equipment repairer
8431	weigher, livestock	6221	welding equipment salesperson
9619	weigher, production	7237	welding lay-out man/woman
7622	weigher, railway car	7311	welding machine mechanic
7452	weigher, truck loads	9612	welding machine operator helper
9619	weigher-counter	7237	welding machine operator, gas-shielded arc
9619	weigher-manufacturing	7237	welding machine operator, submerged arc
2146	weight analyst, aircraft design - engineer	7237	welding machine operator
2146	weight and balance engineer - aerospace	9418	welding rod-extruder operator
6561	weight loss adviser	9418	welding rod-extruder tender
6561	weight loss consultant	7201	welding supervisor
5251	weight-lifter	4021	welding teacher - technical institute
5254	weightlifting instructor	2212	welding technician, mining
0651	weight-loss clinic manager	2212	welding technologist
2262	weights and measures inspector		

9611	welding-rod-extruder operator helper - primary metal processing	9461	wet process miller - food and beverage processing
4212	welfare and compensation officer	9537	wet suit maker
4162	welfare economist	9421	wet-end tender, cellulose films
2263	welfare institute inspector - public health	9213	wet-starch foreman/woman - food and beverage processing
0423	welfare manager	1431	wharf clerk
4153	welfare organization counsellor	1431	wharfinger
0423	welfare organization department director	7451	wharfman/woman - marine cargo handling
0423	welfare organization director	0821	wheat farmer
0423	welfare organization manager	0821	wheat grower
4212	welfare organization supervisor	0821	wheat producer
4164	welfare policy analysts supervisor	7321	wheel alignment and brake mechanic
4155	welfare program officer - corrections	7321	wheel alignment and brake specialist
0411	welfare services administration director - government services	7314	wheel and axle inspector - railway
0411	welfare services administrator - government services	9522	wheel and tire installer - automobile assembly
0411	welfare services director - government services	9414	wheel maker, abrasive
4212	welfare worker	7301	wheel shop foreman/woman - railway equipment
1225	well and facilities asset analyst	9612	wheelabrator operator - metal products manufacturing
0125	well and facilities asset manager	9612	wheelabrator operator
7302	well digging contractor	9526	wheelchair lift assembler
7302	well digging supervisor	7532	wheelsman/woman
7302	well drilling contractor	7312	wheelwright, farm machinery
7302	well drilling supervisor	9537	whisk assembler
2145	well logging engineer	9421	white lead mixer
8232	well puller - oil field services	9412	white-metal caster - foundry
8615	well puller helper - oil field services	9534	whitener - furniture finishing and refinishing
8222	well services crew supervisor - oil and gas drilling	6532	whitewater rafting guide
8222	well services crew supervisor - oil field services	6222	wholesale buyer
8222	well services crew supervisor	0621	wholesale establishment manager
8222	well site consultant - oil and gas	0621	wholesale establishment managing supervisor
8232	well testing operator - oil and gas drilling	6411	wholesale purveyor
8232	well testing operator	6411	wholesale trade representative
8412	well treatment blender operator - oil field services	6411	wholesale trade representatives supervisor
8615	well treatment helper - oil field services	0015	wholesaler - broadcasting
8615	well treatment helper	0621	wholesaler
8412	well treatment pump operator - oil field services	1511	wicket clerk - mail and postal services
4165	wellness consultant	1511	wicket clerk, postal services
4165	wellness co-ordinator	2281	Wide area network (WAN) administrator
4165	wellness program co-ordinator	2281	wide area network (WAN) technician
9243	well-point pump operator	5227	wig assistant - motion pictures, broadcasting and performing arts
2113	wellsite co-ordinator - geology	9537	wig hair preparer
9619	welt butter and tacker - shoe manufacturing	5226	wig hairdresser - motion pictures, broadcasting and performing arts
9445	welt maker - hat manufacturing	9537	wig maker, mannequins
9445	welt-trimming machine tender - hat manufacturing	9537	wig maker
9232	wet explosives mixer	6341	wig stylist
9421	wet mix operator, orthophosphate	5212	wilderness interpreter
9411	wet plant recovery equipment tender - primary metal processing	2121	wildlife biologist
		2221	wildlife biology technician
		2121	wildlife helminthologist
		2121	wildlife naturalist

5221	wildlife photographer	7292	window sash and frame glazier
2221	wildlife resources technician	7441	window shade installer
2221	wildlife technician	9537	window shade mounter
2221	wildlife technologist	6732	window washer
9441	willow operator - textile manufacturing	0651	window washing service manager
4211	wills and estates law clerk	6315	window washing supervisor
1242	wills and estates legal assistant	5254	windsurfing instructor
4211	wills and estates paralegal	1522	wine cellar attendant
4161	wind energy analyst	9461	wine fermenter - food and beverage processing
7445	wind instrument repairer		
2232	wind tunnel test technician	9461	wine pasteurizer
2232	wind tunnel test technologist	6411	wine sales representative - wholesale
9616	winder cleaner - textile processing	6513	wine server
7311	winder fixer - textile manufacturing	6513	wine steward
9433	winder operator - pulp and paper	0621	wine store manager
9441	winder operator - textile manufacturing	6421	wine store sales clerk
9441	winder tender - textile manufacturing	9465	wine tester
9525	winder, AC (alternating current) and DC (direct current) armatures	6513	wine waiter/waitress
		9461	winemaker - food and beverage processing
9525	winder, AC and DC armatures	9465	wineries fermentation inspector
9435	winder, cones - paper converting	9465	wineries gauger
9435	winder, cores - paper converting	9213	winery cellar master
7333	winder, electric motors	9461	winery cellarman/woman - food and beverage processing
9537	winder, insulating tubes		
9525	winder, large transformer coils	0911	winery manager
9619	winder, paint rollers	9461	winery-press operator
9435	winder, paper cones - paper converting	9521	wing assembler, aircraft
9537	winder, ribbons	9521	wing inspector - aircraft assembly
9418	winder, springs	9521	wing marry-up mechanic - aircraft assembly
9537	winder, suture material	9521	wing tank mechanic - aircraft assembly
9418	winder, valve springs	6532	winter camping guide
7333	winder-electrician	9461	winterizer tender - food and beverage processing
9433	winderman/woman - pulp and paper		
7333	winder-repairer, industrial motors	9523	wire and harness assembler
9616	winding frame cleaner - textile processing	9418	wire basket maker
7311	winding machine fixer - textile manufacturing	9619	wire bender, hand
9441	winding machine operator - textile manufacturing	9523	wire bonder - electronic equipment manufacturing
9537	winding machine tender - other products manufacturing	9619	wire border assembler - furniture assembly
9441	winding machine tender - textile manufacturing	9418	wire bundle machine operator
		9418	wire cable assembler and tester
9525	windings inspector - large electric motors manufacturing	9418	wire cable stretcher and tester
		9536	wire coater
7311	windmill repairer	9524	wire connector - electrical equipment manufacturing
7441	window air conditioner installer	9611	wire drawer helper
7332	window air conditioner mechanic	9411	wire drawer operator
7612	window air conditioner repairer helper	9537	wire drawer, filigree - jewellery manufacturing
7332	window air conditioner repairer		
7441	window and door installer, aluminum	9411	wire drawer, machine
9537	window and screen assembler	9411	wire drawer
9537	window assembler, aluminum	9211	wire drawing foreman/woman - primary metal processing
9537	window blind mounter		
7611	window caulker	9611	wire drawing helper
6732	window cleaner	9411	wire drawing machine operator
5243	window display designer	7441	wire fence erector
7441	window installer	9612	wire finisher

9418	wire lampshade frame maker	8232	wireline operator
7284	wire lather	9525	wireman/woman - industrial electrical equipment
9418	wire lattice and wire mesh weaver		
9418	wire lattice weaver	7246	wireman/woman - telecommunications
9612	wire loom helper	9418	wire-netting machine operator
9418	wire loom operator	9527	wire-numbering machine tender - electrical equipment manufacturing
9418	wire loom setter		
9418	wire loop machine operator	9536	wire-paint-coating machine tender
9418	wire mesh fence-making machine operator	9418	wire-pairing machine tender
9418	wire mesh gate assembler	9525	wireperson, electrical switchgear
9418	wire mesh knitter	7246	wirer - telecommunications
7611	wire mesh setter	9524	wirer, electric lamps
9418	wire netting weaver	9524	wirer, electric lighting fixtures
9415	wire products inspector	9525	wirer, electrical switchgear panels
7311	wire repairer - textile manufacturing	7246	wirer, frame - telephone
9418	wire rewinder, machine	7241	wirer, residential construction
9411	wire roller operator - primary metal processing	9525	wirer/woman - industrial electrical equipment
9418	wire rope maker	9418	wire-rewinding machine tender
9418	wire rope sling and cable splicer	9418	wire-weaving loom setter
9411	wire sample former	9527	wireworker - electrical equipment manufacturing
9414	wire saw operator - concrete, clay and stone products	9418	wireworks weaver - metal products manufacturing
9418	wire screen cutter and trimmer	9523	wire-wrapping machine operator - electronic equipment manufacturing
9418	wire screen former		
9418	wire screen maker	9523	wiring and assembly operator
9418	wire screen weaver	9523	wiring and soldering operator - electronic equipment manufacturing
9411	wire sheather - primary metal processing		
9523	wire soldering operator	7241	wiring electrician
7244	wire splicer - electric power systems	2264	wiring inspector - domestic installation
7245	wire splicer - telecommunications	2264	wiring inspector - industrial installation
9612	wire spooler - metal products manufacturing	9437	wobble saw operator - woodworking
9527	wire stripper - electrical equipment manufacturing	4212	women's centre co-ordinator - social services
		0423	women's centre manager
9415	wire tester and inspector - primary metal processing	4212	women's centre program supervisor - social services
9536	wire tinner	6421	women's clothing sales clerk
9612	wire weaver helper	4164	women's employment policy consultant
9418	wire weaver, bench loom	5243	women's fashion designer
9418	wire weaver	6342	women's garment alterations seamstress
7237	wire welder	6342	women's garment custom seamstress
9523	wire wound resistor calibrator - electronic equipment manufacturing	6342	women's hat maker - milliner
		4164	women's issues lobbyist
9523	wire wound resistor calibrator	4164	women's program co-ordinator
9523	wire wound resistor inspector - electronic equipment manufacturing	4164	women's shelter program co-ordinator
		4212	women's shelter supervisor
9536	wire-coating equipment operator	4164	women's status policy consultant
9418	wire-coiner operator	6421	women's wear sales clerk
9418	wire-crimping machine operator	9437	wood blank sawyer
9523	wire-cutting machine operator - electronic equipment manufacturing	5136	wood block artist
		7331	wood burner installer
7232	wire-drawing die maker	7331	wood burner maintainer
2147	wireless communications network engineer	2112	wood chemist
8222	wireline field supervisor - oil field services	9614	wood chip unloader
8615	wireline helper - oil field services	8421	wood cutter - logging
8232	wireline operator - oil field services	9437	wood driller - woodworking
8232	wireline operator trainee		

9534	wood finisher - furniture finishing and refinishing	7291	wood shingle roofer
7332	wood fireplace servicer	7205	wood shingle roofers foreman/woman
7295	wood floor covering layer	7205	wood shingle roofing contractor
7295	wood floor installer	7291	wood shingler
7204	wood frame building foreman/woman	7271	wood shipwright
7271	wood frame carpenter	7441	wood siding applicator
7271	wood frame house carpenter	9434	wood treater - wood preserving
7331	wood furnace installer	9434	wood treater
7272	wood furniture and fixtures patternmaker	9437	wood turner - woodworking
9532	wood furniture assembler	9437	wood turning lathe operator - woodworking
9533	wood furniture repairer - wood products manufacturing	7331	wood-burning appliance installer
9534	wood grainer - furniture finishing and refinishing	7331	wood-burning system installer
9437	wood lathe turner - woodworking	5244	woodcarver, reproductions
7284	wood lather	5244	woodcarver
9533	wood machining inspector	9437	wood-carving machine operator
9224	wood machining workers foreman/woman - furniture and fixtures manufacturing	9533	wooden barrel builder
9436	wood marker - wood processing	9437	wooden barrel header - woodworking
9436	wood measurer - wood processing	9533	wooden barrel header
9436	wood measurer	9533	wooden barrel heading matcher and assembler
7272	wood model maker	9533	wooden barrel maker
7272	wood mould maker	9437	wooden barrel-header fitter - woodworking
9434	wood particle dryer tender	9533	wooden basket maker
9434	wood particles mixer-dryer tender	9531	wooden boat assembly inspector
7272	wood pattern inspector	9531	wooden boat inspector
7272	wood pattern repairman/woman - foundry	7271	wooden boatbuilder
7272	wood patternmaker	9533	wooden box assembler
7204	wood patternmakers foreman/woman	9619	wooden box bender
9436	wood processing grader	9533	wooden box bench hand
9436	wood processing inspector	9533	wooden box builder
9614	wood processing labourer	9227	wooden box maker foreman/woman
9533	wood products assembler	9533	wooden case builder
9533	wood products assembling inspector	9532	wooden casket assembler
9533	wood products assembly inspector	9533	wooden casket inspector
9533	wood products assembly lead hand	9619	wooden coat hanger shaper feeder
9533	wood products bench assembler	9533	wooden crate builder
9533	wood products factory assembler	9533	wooden door assembler
9619	wood products finisher - furniture manufacturing	9533	wooden door inspector
9227	wood products foreman/woman	9533	wooden door maker
9533	wood products gluer	9533	wooden door repairer - wood products manufacturing
9533	wood products inspector - wood products manufacturing	7441	wooden fence erector
9619	wood products machine feeder	9532	wooden furniture assembly repairer
9437	wood products machine tender	9533	wooden golf club facer
9432	wood pulp caustic liquor maker	9533	wooden hoop maker
9614	wood room labourer - pulp and paper	9531	wooden hull caulker - boat assembly
9437	wood sander - woodworking	9533	wooden keg builder
9224	wood sanders foreman/woman - furniture and fixtures manufacturing	9533	wooden keg maker
9437	wood saw operator - woodworking	9533	wooden ladder assembler
9224	wood sawing foreman/woman (except sawmill)	9533	wooden ladder builder
5136	wood sculptor	9533	wooden pallet assembler
		9533	wooden pallet maker
		7441	wooden panel installer
		9533	wooden panel matcher
		9533	wooden reel assembler
		9533	wooden sash and door assembler
		9533	wooden sash and door inspector

9533	wooden shuttle inspector	8612	worker, cemetery
9437	wooden stave turner - woodworking	8431	worker, farm
9532	wooden table assembler	8612	worker, golf course
9533	wooden tank bottom sawyer and assembler	8612	worker, greens
9533	wooden truss maker	8612	worker, grounds maintenance
9227	wooden truss making foreman/woman - manufacturing	8612	worker, landscape
7441	wooden window sash installer	8612	worker, lawn mowing
9533	woodenware assembler	8612	worker, plant care
5244	woodenware carver, hand	9614	worker, sawmill
0811	woodlands manager	7236	worker, structural iron
9224	wood-machining quality-control inspectors foreman/woman - furniture and fixtures manufacturing	7235	worker-fitter, structural steel plates
9434	wood-oiling machine operator - wood processing	1312	workers' compensation adjuster - insurance
9614	wood-preserving plant labourer	4164	workers' compensation officer
8211	woods foreman/woman	4164	workers' compensation policy analyst
0811	woods superintendent	4156	workforce adjustment officer
9437	woodsawyer - woodworking	4156	workforce development officer
9215	wood-treating machine foreman/woman	7384	working model maker - aircraft
9215	wood-treating plant foreman/woman	6321	working sous-chef
9437	wood-turning lathe operator - woodworking	8232	workover rig operator - oil field services
5244	woodworker, hand	8611	worm harvester
9224	woodworking machine department foreman/woman - furniture and fixtures manufacturing	8611	worm packer
9619	woodworking machine feeder	8611	worm picker
9437	woodworking machine operator	8611	worm picker-packer
9224	woodworking machine operators supervisor - furniture and fixtures manufacturing	9461	wort cooler - food and beverage processing
9437	woodworking machine setter	9461	wort maker - food and beverage processing
9437	woodworking machine set-up operator	9217	woven fabric inspection foreman/woman - textile processing
9619	woodworking shop helper	6532	wrangler, dude ranch
9441	wool batcher	9433	wrapline operator - papermaking
9441	wool blender	6741	wrapper - laundry and dry cleaning
9447	wool fleece grader	9619	wrapper - manufacturing
9447	wool grader	9423	wrapper operator - rubber products
9441	wool mixer	9619	wrapper, bundles
9441	wool opener and duster	7452	wrapper, paper - material handling
9619	wool puller - hide and pelt processing	9433	wrapper, paper rolls - pulp and paper
9441	wool scourer	9433	wrapper, rolls - pulp and paper
8252	wool shearing contractor	9527	wrapper-stacker operator - electrical equipment manufacturing
9441	wool sorter	9612	wrapping machine operator - wire products manufacturing
9441	wool washer	9527	wrapping machine tender - electrical equipment manufacturing
1211	word processing service co-ordinator	5244	wreath maker
1211	word processing unit supervisor	7445	wrecker, automobile
1411	word processor clerk	7611	wrecker, buildings and houses
2141	work measurement engineer	7611	wrecker, buildings
1122	work reorganization consultant	7371	wrecking crane operator
4161	work site analyst	7302	wrecking crew foreman/woman
4161	work site auditor	5251	wrestler
1122	work study analyst	9441	wringer operator - textile manufacturing
1122	work study analysts supervisor	9441	wringer tender - textile manufacturing
7533	workboat operator	9441	wring-out machine operator - textile manufacturing
8431	worker, artificial insemination	9619	wrinkle remover - shoe manufacturing
6722	worker, campground	4421	writ server - bailiff
		5121	writer, advertising
		5121	writer, fiction

5121	writer, handbooks	9447	yarn examiner
5121	writer, interactive media	9441	yarn finisher
5121	writer, multimedia	9616	yarn handler
5132	writer, music	9447	yarn inspector
5121	writer, new media	9441	yarn mercerizer
5121	writer, self-instruction manuals	9616	yarn salvager
5121	writer, short stories	9441	yarn soaker
5223	writer, signs	9441	yarn spinner
5132	writer, songs	9441	yarn spooler
5121	writer, speeches	9447	yarn tester
5121	writer	9441	yarn winder tender
5132	writer-composer-performer	9441	yarn winder, automatic
5122	writer-editor	9441	yarn winder
X		9441	yarn-drying machine tender
		9441	yarn-plaiting equipment tender
		9441	yarn-texturing machine tender - textile fibre
		9441	yarn-texturing machine tender - textile manufacturing
6221	X-ray equipment salesperson	9461	yeast cutter
9474	X-ray film developer	9461	yeast dryer
3215	X-ray machine operator - medical	9461	yeast emulsifier tender - food and beverage processing
2111	X-ray physicist	9461	yeast maker
9474	X-ray plate developer	9617	yeast processing labourer
3215	X-ray (radiology) technician	9461	yeast room operator
3215	X-ray technician	9617	yeast sampler - food and beverage processing
Y		9461	yeast separator - food and beverage processing
1315	yacht broker	0513	YMCA (Young Men's Christian Association) general director
8431	yard attendant, livestock	0513	YMCA (Young Men's Christian Association) general secretary
7452	yard attendant, used building materials	0513	YMCA (Young Men's Christian Association) programs director
8221	yard boss - mining and quarrying	5254	yoga instructor
8431	yard cleaner, poultry	9461	yogurt maker
1525	yard clerk	0423	young offender services director
7531	yard coupler - railway	3012	youth centre nurse
7361	yard engineer - railway	1416	youth court clerk
9215	yard foreman/woman - pulp and paper	4111	youth court judge
7304	yard foreman/woman - railway	4212	youth development co-ordinator
9211	yard foreman/woman, scrap metal	4212	youth hostel co-ordinator
6421	yard goods salesperson - retail	0632	youth hostel manager
9614	yard labourer - pulp and paper	4167	youth recreational and leisure activities consultant
7361	yard locomotive engineer - railway	4167	youth recreational and leisure activities counsellor
8221	yard supervisor - mining and quarrying	4167	youth recreational and leisure activities program co-ordinator
7531	yard switchman/woman - railway transport	4212	youth services worker
7531	yard trainman/woman	4155	youth worker - corrections
7531	yard worker - railway	4212	youth worker - social services
9413	yardage controller - glass products manufacturing	4212	youth worker
8241	yarder operator - logging		
8241	yarding engineer - logging		
7531	yardman/woman - railway		
8431	yardman/woman, livestock		
7304	yardmaster - railway		
9447	yarn and spun yarn inspector		
9441	yarn conditioner		
9441	yarn doubler - textile manufacturing		
9441	yarn dryer		
9441	yarn dyer		

Z

6722	zamboni driver
9611	zinc cathode puller
9411	zinc cell operator
9411	zinc chloride separator tender
9611	zinc drosser
9611	zinc dust maker
9611	zinc electrolysis lead burner helper
9536	zinc galvanizer
9411	zinc pressure leach operator
7201	zinc roofers foreman/woman
9411	zinc vapour condenser
9537	zipper assembler
9537	zipper chain assembler
9537	zipper chain machine tender
9537	zipper inspector
9418	zipper links machine tender
9418	zipper links maker
9537	zipper machine operator
9537	zipper machine tender (except plastic products)
9619	zipper repairer
9537	zipper-cutting machine operator
9535	zipper-forming machine tender - plastic products manufacturing
9446	zipper-sewing machine operator
0601	zone manager - sales
9221	zone supervisor, assembly - motor vehicle manufacturing
9221	zone supervisor, motor vehicle assembly
4423	zoning enforcement officer
4423	zoning inspector
2153	zoning officer - land use
6563	zoo animal attendant
6563	zoo attendant
2221	zoo foreman/woman
5212	zoo interpreter
2221	zoo supervisor
3114	zoo veterinarian
0212	zoological garden director
0212	zoological park director
2221	zoological technician
2221	zoological technologist
2121	zoologist
4011	zoology professor - university
4153	zootherapist