**CAREER EXPLORATION**

**CAREER CLUSTERS AT-A-GLANCE**

**The Nebraska Career Education (NCE) Model**

Offers a system of career exploration through career fields and career clusters. The NCE Model is the foundation of Nebraska Career & Technical Education (CTE) programs of study and Career & Technical Student Organizations CTSOs.

**Understanding the NCE Model:**

1. Core Academics/College and Career Readiness: At the center of the NCE Model is the expectation for all students to develop solid core academic proficiency. The next ring identifies specific college and Career Readiness Standards that prepare students for success in postsecondary education as well as entrepreneurship and employment.

2. Career Fields: The six career fields represent broad sectors of the job market as a way to begin exploration especially in elementary grades.

3. Career Clusters: Each career field contains one or more career clusters with more specific segments of the labor market. Career Clusters are groupings of occupations with similar skills. Exploration of the clusters provide students with information for decision making and to conceptualize the en re world of work.

4. Employability and Entrepreneurship: NCE provides the opportunity to gain the knowledge and skills for both employment and entrepreneurship in all career clusters to create the next genera on of Nebraska’s innovators for economic growth and vitality.

**Career Development**

Career Development is a process by which individuals get to know their strengths and interests; learn how different jobs connect to those interests and skills; explore careers in current labor markets; and build career planning and management skills to achieve career goals.

The Nebraska Career Development model represents a career development process with three components: self-awareness, career exploration and career planning and management. All three components are included at each level for K-12 program planning. It is essential for students to learn through this experiential process to be well informed and prepared to make career decisions with the best fit to themselves and their goals.

**The Nebraska Career Development Model Consists Of Three Skill Domains With Component Parts:**

1) SELF-AWARENESS: Self-awareness skills refer to individuals gaining the ability to identify their interests, skills, and work values. Self-awareness includes understanding one’s own mastery level of career readiness (employability) skills. The Nebraska Career Readiness Skills are essential for all types of careers. This enhanced self-awareness paves the way to effectively explore careers and identify personal career goals with the best fit.

✔ Nebraska Career Readiness Skills

✔ Career & Academic Assessment

2) CAREER EXPLORATION: Career exploration skills consists of learning how to identify and analyze various career options in terms of what education, training, experience, and competencies are required for success. Exploration includes learning in workplace environments or directly in workplaces to discover and experience what it may be like to work in different occupations. It also involves learning how to evaluate how well a career matches or fits one’s own interests, skills, strengths, and work values.

✔ Nebraska Career Education Model, CTE Programs of Study, and Career & Technical Student Organizations

✔ Labor Market Information

✔ Workplace Learning Experiences

3) CAREER PLANNING & MANAGEMENT: Nearly all careers require education and training beyond high school. It is important to consider all possible options available for postsecondary education. Entrance into some careers may best begin with apprenticeships, on-the-job training, stackable credentials or certifications, entrepreneurship training, or entry-level employment. In some careers, entrance options require postsecondary degree completion before starting employment. Investigating the best op on, understanding how access it and plan for it is the focus in this part of career development. Regardless of op on selected, knowledge of entrance requirements, application processes, financial aid, completion timelines, locations, living arrangements and personal budget are some of the vital details students and families need to consider. Career planning and management is about moving from decision making to setting career goals with an ac on plan. In Nebraska, the plan for academics, career technical education, activities and workplace learning is a Personal Leaning Plan (PLP). The PLP along with other artifacts and work samples are to be saved in a portfolio to display Nebraska Career Readiness Standards.

✔ College and Career Options

✔ Personal Learning Plans & Portfolio

**Career Exploration**

**Understanding the Career Clusters At-A-Glance as a resource and guide for Career Exploration:**

1. Career Exploration is expedited through career clusters. Career clusters introduced by the highlighted, color-coded career field on NCE model aid students in exploring the en re world of work. The introduction description summarizes types of pathway opportunities within each cluster.

2. Career Exploration includes awareness of current labor market information. Nebraska labor market projections through 2024 provided high wage, high demand, and high skill (H3) occupations, which expect increased job opportunities in the future. The H3 website encourages more exploration and to keep current on labor market.

3. Career Exploration is learning experiences in Career & Technical Education (CTE) focused on knowledge and skills in each career cluster. Typical course titles provide an idea of what students study in this career cluster and develop a personal learning plan for course registration. Course titles may differ at local school.

4. Career Exploration is actively participating in Career & Technical Student Organizations (CTSOs) developing leadership and career skills. CTSOs provide career skill competitive events at local, state and national levels. Career Clusters At-A-Glance indicate CTSOs most closely aligned to each career cluster.

5. Career Exploration is effective when students learn about and experience the environments of actual workplaces from professionals. A website of virtual tours of Nebraska businesses is an introductory strategy to learn about workplaces and career requirements.

6. Career Exploration emphasizes knowledge of all varieties of certificates and degrees for career preparation, different types of postsecondary education and training available as well as military training, entrepreneurship, apprenticeships, on-the-job training stackable credentials and entry –level employment as choices to reach career goals.

7. Career Exploration requires up-to-date information. Nebraska Career Education offers an online career information system including hundreds of occupations. This is available free by creating student and school accounts at: www.NebraskaCareerConnections.org. Nebraska Career Connections has features to assist with the en re process career development of self-awareness, career exploration and career planning & management.

**Agriculture, Food and Natural Resources (AFNR)**

This career cluster prepares for careers in planning, implementation, production, management, processing and/or marketing of agriculture commodities and services, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **AFNR H3 Occupations** | **Average Entry Wage** |
| Farm Equipment Mechanics and Service Technicians | $27,205 |
| Environmental Engineers | $55,064 |
| Soil and Plant Scientists | $36,980 |
| Water and Wastewater Treatment Plant  and System Operators | $30,039 |
| Buyers and Purchasing Agents, Farm Products | $40,472 |
| Biological Technicians | $28,094 |
| Environmental Engineering Technicians | $27,585 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Ag Food and Natural Resources

Animal Science

Plant Science

Horticulture

AgriBusiness

Veterinary Science

Environmental and Natural Resources

Nursery and Landscape

Nutrition Science

Welding

Small Engines

**Career & Technical Student Organizations**

Get Involved With These Organizations!

**Virtual Career Tours**

Of Nebraska Businesses

www.necareertours.com

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| AGRIBUSINESS | ✔ |  | ✔ | ✔ |  |
| AGRICULTURE EDUCATION TEACHER |  |  |  | ✔ |  |
| AG SCIENCES / PRECISION AG | ✔ | ✔ | ✔ | ✔ |  |
| AGRICULTURE BUSINESS  & MANAGEMENT TECHNOLOGY | ✔ |  | ✔ | ✔ |  |
| AGRONOMY |  |  | ✔ | ✔ |  |
| ANIMAL SCIENCE |  |  | ✔ | ✔ |  |
| DAIRY TECHNICIAN / SCIENCE |  | ✔ |  | ✔ |  |
| DEERE CONSTRUCTION & FORESTRY EQUIPMENT TECH |  |  | ✔ |  |  |
| DIESEL TECHNOLOGY - AG EQUIPMENT |  |  | ✔ |  | ✔ |
| DIVERSIFIED AGRICULTURE |  |  | ✔ | ✔ |  |
| ENVIRONMENTAL SCIENCE |  |  | ✔ | ✔ | ✔ |
| FOOD SCIENCE |  |  |  | ✔ | ✔ |
| HORTICULTURE & GOLF COURSE MANAGEMENT |  |  | ✔ | ✔ |  |
| LIVESTOCK MANAGEMENT |  |  | ✔ | ✔ |  |
| MECHANIZED AGRICULTURE |  |  | ✔ | ✔ |  |
| NATURAL RESOURCES |  |  | ✔ | ✔ | ✔ |
| VETERINARY TECHNOLOGY / SCIENCE |  |  | ✔ | ✔ | ✔ |

One out of every three jobs in Nebraska is AG related.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

**For diplomas, certificates and associate degrees in most NE Community Colleges:** www.mygreatcareer.com

**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

**For military careers:** www.careersinthemilitary.com or www.todaysmilitary.com

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Funding provided through the Nebraska VR Career Pathway Advancement Project

**Communication Arts**

This career cluster offers two different avenues of concentration. Careers in the Performing Arts, or certain aspects of Journalism, Broadcasting and Film require creative talents. Careers in Audio-Video Communications Technology, Telecommunications or Printing Technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science. Communicating effectively in both oral and written form is essential for all careers in the cluster. In addition, the creative aspects of this cluster are rapidly merging with the technological, offering exciting and challenging careers.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Arts, A/V Technology & Communication Occupations** | **Average Entry Wage** |
| Graphic Designers | $29,299 |
| Telecommunications Line Installers and Repairers | $31,737 |
| Audio and Video Equipment Technicians | $29,343 |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | $37,378 |
| Writers and Authors | $29,070 |
| Technical Writers | $41,145 |
| Art Directors | $43,920 |
| Producers and Directors | $27,823 |
| Music Directors and Composers | $38,047 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Introduction to Media

Digital Design

Media Production

**Career & Technical Student Organizations**

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Of Nebraska Businesses

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| AUDIO RECORDING TECHNOLOGY |  |  | ✔ |  | ✔ |
| AVID PRO TOOLS MUSIC PRODUCTION | ✔ |  |  |  |  |
| BROADCAST PRODUCTION | ✔ |  |  |  | ✔ |
| BROADCASTING - RADIO AND TV |  |  | ✔ |  | ✔ |
| BUSINESS, MARKETING, INFORMATION TECHNOLOGY TEACHER |  |  | ✔ |  |  |
| COMMUNICATIONS SYSTEMS INSTALLATION AND REPAIR TECHNOLOGY |  | ✔ | ✔ |  | ✔ |
| DIGITAL CINEMA AND MEDIA |  |  | ✔ |  | ✔ |
| GAME AND INTERACTIVE MEDIA DESIGN |  |  |  | ✔ | ✔ |
| GRAPHIC DESIGN |  |  | ✔ | ✔ | ✔ |
| JOURNALISM |  |  | ✔ | ✔ | ✔ |
| MEDIA ARTS | ✔ | ✔ | ✔ |  | ✔ |
| MEDIA PRODUCTION | ✔ |  |  |  | ✔ |
| PHOTOGRAPHY |  |  | ✔ |  | ✔ |
| RECORDING STUDIO PRODUCTION | ✔ |  |  |  | ✔ |
| SPORTS COMMUNICATION |  |  | ✔ |  |  |
| VIDEO PRODUCTION | ✔ |  |  |  | ✔ |
| VISUAL COMMUNICATION / DESIGN | ✔ | ✔ | ✔ | ✔ | ✔ |

Arts, A/V Technology & Communications expects an average of 426 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

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**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

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**Information Technology**

This career cluster prepares for careers in Information Technology. These careers involve the design, development, support, and management of hardware, software, multimedia, and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Information Technology H3 Occupations** | **Average Entry Wage** |
| Software Developers, Applications | $56,185 |
| Computer Systems Analysts | $50,962 |
| Computer User Support Specialists | $30,607 |
| Network and Computer Systems Administrators | $49,280 |
| Software Developers, Systems Software | $56,525 |
| Web Developers | $36,735 |
| Computer Network Architects | $60,474 |
| Database Administrators | $49,344 |
| Information Security Analysts | $48,200 |
| Computer Network Support Specialists | $41,352 |
| Computer Occupations, All Other | $58,242 |
| Computer Programmers | $47,792 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Information Technology & Support

PC Support and Maintenance

Programming

Network Systems

Web Design

Digital Design

Cisco Certification Classes

**Career & Technical Student Organizations**

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| BUSINESS, MARKETING, INFORMATION TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| COMPUTER APPLICATION SPECIALIST | ✔ |  |  |  | ✔ |
| COMPUTER APPLICATION DEVELOPMENT |  |  | ✔ |  | ✔ |
| COMPUTER AIDED DESIGN DRAFTING |  |  | ✔ |  | ✔ |
| COMPUTER ENGINEERING |  |  |  | ✔ | ✔ |
| COMPUTER INFORMATION TECHNOLOGY | ✔ | ✔ | ✔ | ✔ | ✔ |
| COMPUTER MANAGEMENT INFORMATION SYSTEMS (MIS) |  |  |  | ✔ | ✔ |
| COMPUTER PROGRAMMING | ✔ | ✔ | ✔ | ✔ | ✔ |
| COMPUTER SCIENCE |  |  |  | ✔ | ✔ |
| INFORMATION TECHNICAL SUPPORT |  |  | ✔ |  | ✔ |
| INFORMATION TECHNOLOGY | ✔ |  | ✔ |  | ✔ |
| IBMi APPLICATION DEVELOPMENT | ✔ |  | ✔ |  |  |
| CISCO NETWORKING ACADEMY | ✔ |  | ✔ |  |  |
| INFORMATION SECURITY | ✔ |  | ✔ |  | ✔ |
| TECHNICAL SERVICES SUPPORT | ✔ |  | ✔ |  | ✔ |
| TELECOMMUNICA-TIONS MANAGEMENT |  |  |  | ✔ | ✔ |
| WEB & VISUAL APPLICATION DEVELOPMENT | ✔ |  | ✔ | ✔ | ✔ |

Information Technology expects an average of 838 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

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**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

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**Energy & Engineering**

This career cluster prepares for careers in planning, managing and providing scientific research and development, professional and technical services including laboratory and testing services and problem solving for the challenging and ever-changing fields of energy and engineering.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Energy & Engineering H3 Occupations** | **Average Entry Wage** |
| Industrial Engineers | $57,816 |
| Mechanical Engineers | $57,257 |
| Environmental Scientists and Specialists | $41,031 |
| Computer Hardware Engineers | $63,963 |
| Electrical Engineers | $59,624 |
| Chemists | $39,585 |
| Conservation Scientists | $41,097 |
| Architectural and Engineering Managers | $93,690 |
| Life, Physical, and Social Science Technicians | $42,564 |
| Statisticians | $37,492 |
| Survey Researchers | $19,985 |
| Cartographers and Photogrammetrists | $42,220 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Computer Aided Drafting

Engineering Design

Computer Integrated Manufacturing

Energy Exploration

Digital Electronics

Robotics

Energy Generation and Distribution

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| AUTOMATION ENGINEER TECHNOLOGY / TECHNICIAN |  |  | ✔ |  | ✔ |
| COMPUTER SCIENCES |  |  |  | ✔ | ✔ |
| ELECTRICAL CONSTRUCTION AND CONTROL |  |  | ✔ |  | ✔ |
| ENERGY GENERATION OPERATIONS |  |  | ✔ |  | ✔ |
| ELECTRICAL TECHNOLOGY | ✔ | ✔ | ✔ |  | ✔ |
| ENGINEERING; MECHANICAL, ELECTRICAL, CHEMICAL, ETC. |  |  |  | ✔ | ✔ |
| GEOLOGY AND EARTH SCIENCE |  |  |  | ✔ | ✔ |
| GIS / GEOGRAPHIC INFORMATION SYSTEMS TECHNICIAN | ✔ |  |  |  | ✔ |
| INDUSTRIAL ENGINEERING | ✔ |  | ✔ |  | ✔ |
| MATHEMATICS AND COMPUTER SCIENCE |  |  |  | ✔ | ✔ |
| MATH, SCIENCE AND INDUSTRIAL TECHNOLOGY TEACHER |  |  |  | ✔ | ✔ |
| MECHATRONICS | ✔ | ✔ | ✔ |  | ✔ |
| MECHATRONICS, ROBOTICS AND AUTOMATION ENGINEERING |  |  |  | ✔ | ✔ |
| POWERLINE CONSTRUCTION & MAINTENANCE TECHNOLOGY |  | ✔ | ✔ |  | ✔ |
| SCIENCE AND TECHNOLOGY |  |  |  | ✔ | ✔ |
| UTILITY LINE |  |  | ✔ |  | ✔ |
| WIND ENERGY TECHNOLOGY |  | ✔ | ✔ |  | ✔ |

Energy and Engineering expects an average of 416 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Manufacturing**

This diverse career cluster prepares learners for careers in planning, managing, and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Manufacturing H3 Occupations** | **Average Entry Wage** |
| Maintenance and Repair Workers, General | $25,513 |
| Industrial Machinery Mechanics | $33,485 |
| Machinists | $26,581 |
| Welders, Cutters, Solderers, and Brazers | $28,551 |
| Purchasing Agents  Except Wholesale, Retail, and Farm Products | $41,494 |
| Electrical and Electronics Engineering Technicians | $43,111 |
| Industrial Engineering Technicians | $37,810 |
| Electrical and Electronics Engineering Repairers, Commercial and Industrial Equipment | $43,111 |
| Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic | $37,569 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Intro to the Built Environment

Computer Aided Drafting

Computer Integrated Manufacturing

Electronics

Engineering Design

Manufacturing Woods / Metals / Plastics

Mechatronics

Welding

**Career & Technical Student Organizations**

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ADVANCED MANUFACTURING AND DESIGN | ✔ | ✔ | ✔ |  |  |
| DIVERSIFIED MANUFACTURING TECHNOLOGY | ✔ | ✔ | ✔ |  |  |
| ELECTRICAL TECHNOLOGY | ✔ | ✔ | ✔ |  | ✔ |
| ELECTROMECHANICAL TECHNOLOGY / MECHATRONICS ENGINEERING |  | ✔ | ✔ | ✔ | ✔ |
| ELECTRONIC SYSTEMS TECHNOLOGY |  |  | ✔ |  | ✔ |
| ENERGY GENERATION OPERATIONS |  |  | ✔ |  | ✔ |
| ENGINEERING |  |  |  | ✔ | ✔ |
| INDUSTRIAL TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| LOGISTICS AND MATERIAL MANAGEMENT |  |  | ✔ | ✔ | ✔ |
| MANUFACTURING ENGINEERING TECHNOLOGY |  |  | ✔ |  |  |
| METALLURGICAL TECHNOLOGY/TECHNICIAN |  |  |  | ✔ |  |
| NONDESTRUCTIVE TESTING TECHNOLOGY |  |  | ✔ |  | ✔ |
| OCCUPATIONAL SAFETY AND HEALTH |  |  | ✔ | ✔ | ✔ |
| PLASTICS AND POLYMER ENGINEERING |  |  |  | ✔ |  |
| PRECISION MACHINING AND AUTOMATION TECHNOLOGY |  | ✔ | ✔ |  | ✔ |
| QUALITY CONTROL TECHNOLOGY | ✔ | ✔ | ✔ | ✔ |  |
| ROBOTICs |  |  | ✔ | ✔ |  |
| TEXTILE SCIENCE |  |  | ✔ |  |  |
| UTILITY LINE |  |  | ✔ |  |  |
| WELDING TECHNOLOGY | ✔ | ✔ | ✔ | ✔ | ✔ |
| WIND ENERGY TECHNOLOGY |  | ✔ | ✔ |  |  |

Nebraska is expecting an increase of 8,531 jobs in this Cluster between 2014 and 2024.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

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Funding provided through the Nebraska VR Career Pathway Advancement Project

**Architecture and Construction**

This Career Cluster prepares for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Architecture & Construction H3 Occupations** | **Average Entry Wage** |
| Carpenters | $25,693 |
| Electricians | $30,386 |
| Plumbers, Pipefitters, and Steamfitters | $36,012 |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers | $32,472 |
| Construction Managers | $54,886 |
| Electrical Power-Line Installers and Repairers | $39,663 |
| Civil Engineers | $56,331 |
| Cost Estimators | $36,641 |
| Brickmasons and Blockmasons | $41,349 |
| Sheet Metal Workers | $29,302 |
| Architects | $50,904 |
| Structural Iron and Steel Workers | $28,929 |
| Civil Engineering Technicians | $30,431 |
| Reinforcing Iron and Rebar Workers | $25,549 |
| Interior Designers | $26,957 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Architecture and Construction Intro into the Built Environment Engineering Concepts Computer Aided Drafting Construction Technology Electricity Housing and Interior Design Structural Systems Engineering Design

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| Architecture |  |  |  | ✔ | ✔ |
| Architecture Engineering Technology |  |  | ✔ | ✔ | ✔ |
| Building Construction Technology / Management | ✔ | ✔ | ✔ | ✔ | ✔ |
| Drafting |  |  | ✔ |  | ✔ |
| Electrical Construction & Control |  |  | ✔ |  | ✔ |
| Electrical Engineering |  |  |  | ✔ | ✔ |
| Electrical Technology |  | ✔ |  |  | ✔ |
| GIS / Geographic Information Systems Technician | ✔ |  |  |  | ✔ |
| Heating, Air Conditioning, And Refrigeration | ✔ | ✔ | ✔ |  | ✔ |
| Skilled & Technical Services Teacher |  |  |  | ✔ |  |
| Interior Design |  |  | ✔ | ✔ |  |
| Land Surveying / Civil Engineer Technology |  |  | ✔ |  | ✔ |
| Mechatronics | ✔ | ✔ | ✔ | ✔ | ✔ |
| Plumbing Technology |  | ✔ | ✔ |  | ✔ |
| Powerline Construction & Maintenance Technology |  | ✔ | ✔ |  | ✔ |
| Utility Lineworker |  |  | ✔ |  | ✔ |

Nebraska is expecting an increase of 9,252 jobs in this Cluster between 2014 and 2024.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

**For diplomas, certificates and associate degrees in most NE Community Colleges:** www.mygreatcareer.com

**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

**For military careers:** www.careersinthemilitary.com or www.todaysmilitary.com

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Funding provided through the Nebraska VR Career Pathway Advancement Project

**Transportation, Distribution, and Logistics (TDL)**

This career cluster prepares for careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **TDL H3 Occupations** | **Average Entry Wage** |
| Heavy and Tractor-Trailer Truck Drivers | $32,006 |
| Bus and Truck Mechanics and Diesel Engine Specialists | $30,645 |
| Automotive Service Technicians and Mechanics | $23,512 |
| Automotive Body and Related Repairers | $30,889 |
| Rail Car Repairers | $26,219 |
| Mobile Heavy Equipment Mechanics,  Except Engines | $35,172 |
| Aircraft Mechanics and Service Technicians | $34,890 |
| Avionics Technicians | NA |
| Logisticians | $48,722 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Energy, Power and Transportation Systems

Power and Technology

Technologies, Transportation and Logistics

Automotive and Mobile Equipment Service and Repair

Automotive Body Repair and Refinishing

Transportation Technology Services and Maintenance

Digital Electronics

Distribution and Logistics

Business Logistics

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| AIR TRAFFIC CONTROL | ✔ |  | ✔ | ✔ | ✔ |
| AVIATION MAINTENANCE | ✔ | ✔ | ✔ |  | ✔ |
| CDL - COMMERCIAL DRIVERS LICENSE | ✔ |  |  |  | ✔ |
| AUTO BODY TECHNOLOGY | ✔ | ✔ | ✔ |  |  |
| AUTO COLLISION REPAIR TECHNOLOGY |  |  | ✔ |  | ✔ |
| AUTOMOTIVE TECHNOLOGY | ✔ | ✔ | ✔ |  | ✔ |
| CLASSIC CAR RESTORATION |  |  | ✔ |  |  |
| DIESEL TECHNOLOGY | ✔ | ✔ | ✔ |  | ✔ |
| ENGINEERING / ENGINEERING TECHNOLOGY |  |  | ✔ | ✔ | ✔ |
| FORD AUTOMOTIVE STUDENT SERVICE |  |  | ✔ |  |  |
| GENERAL MOTORS AUTOMOTIVE SERVICE |  |  | ✔ |  |  |
| INDUSTRIAL TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| LOGISTICS AND MATERIAL MANAGEMENT |  |  | ✔ | ✔ | ✔ |
| MOPAR - CHRYSLER/DODGE/RAM/JEEP AUTOMOTIVE PROGRAM |  |  | ✔ |  |  |
| MOTORCYCLE, ATV PERSONAL WATERCRAFT TECHNOLOGY |  | ✔ |  |  |  |
| SUPPLY CHAIN MANAGEMENT |  |  |  | ✔ | ✔ |
| TRANSPORTATION MOBILITY MANAGEMENT |  |  |  | ✔ | ✔ |

Nebraska is expecting an increase of 10,182 jobs in this Cluster between 2014 and 2024.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

**For military careers:** www.careersinthemilitary.com or www.todaysmilitary.com

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**Health Sciences**

This career cluster prepares for careers that promote health, wellness, and diagnosis as well as treat injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, cruise ships, medevac units, sports arenas, space centers, or within the community.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Health Sciences Occupations** | **Average Entry Wage** |
| Registered Nurses | $46,691 |
| Medical and Health Services Managers | $62,760 |
| Physical Therapists | $57,600 |
| Physicians and Surgeons, All Other | $57,712 |
| Medical and Clinical Laboratory Technicians | $28,016 |
| Medical Records and Health Information Technicians | $29,641 |
| Dental Assistants | $27,633 |
| Radiologic Technologists | $40,993 |
| Nurse Practitioners | $68,977 |
| Medical and Clinical Laboratory Technologists | $42,695 |
| Pharmacists | $69,321 |
| Physical Therapist Assistants | $36,986 |
| Dietitians and Nutritionists | $40,968 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Health Information Technology

Medical Technology

Certified Nursing Assistant

Pharmacy Technician

Medical Aide

Phlebotomy Technician

Behavioral Health

Performance Nutrition

Community Medical Issues / Public Health

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| BIOTECHNOLOGY |  |  |  | ✔ | ✔ |
| CNA - CERTIFIED NURSING ASSISTANT | ✔ |  |  |  |  |
| DENTAL ASSISTING / DENTAL HYGIENE |  | ✔ | ✔ |  | ✔ |
| EMERGENCY MEDICAL SERVICES / TECHNICIAN | ✔ | ✔ | ✔ |  | ✔ |
| EMT - PARAMEDIC | ✔ | ✔ | ✔ |  | ✔ |
| FAMILY CONSUMER SCIENCE / PHYSICAL SCIENCE/ SCIENCE TEACHER |  |  |  | ✔ |  |
| HEALTH INFORMATION MANAGEMENT SERVICES | ✔ | ✔ | ✔ | ✔ | ✔ |
| HEALTH INFORMATION TECHNOLOGY |  | ✔ | ✔ | ✔ | ✔ |
| MEDICAL ASSISTING | ✔ |  | ✔ |  |  |
| MEDICAL INSURANCE CODING / BILLING / CLAIMS |  |  | ✔ |  |  |
| MEDICAL LABORATORY TECHNOLOGY |  |  | ✔ |  | ✔ |
| MEDICATION AIDE | ✔ |  |  |  |  |
| NURSING |  |  | ✔ | ✔ | ✔ |
| OCCUPATIONAL THERAPY ASSISTANT |  |  | ✔ |  | ✔ |
| PHARMACY TECHNICIAN |  | ✔ |  |  | ✔ |
| PHYSICAL THERAPIST ASSISTANT |  |  | ✔ |  | ✔ |
| POLYSOMNOGRAPHIC TECHNOLOGY | ✔ |  |  |  | ✔ |
| RADIOLOGIC TECHNOLOGY |  |  | ✔ |  | ✔ |
| RESPIRATORY CARE |  |  | ✔ |  | ✔ |
| SURGICAL TECHNOLOGY |  |  | ✔ |  | ✔ |

Nebraska is expecting an increase of 13,272 jobs in this Cluster between 2014 and 2024.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Government & Public Administration**

This career cluster prepares for careers in planning, managing and providing administrative and regulatory services and performing government functions at the local, state and federal levels. It includes governance, national security, foreign service, revenue and taxa on, and policy development.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Government & Public Administration**  **Occupations** | **Average Entry Wage** |
| Compliance Officers | $42,048 |
| Financial Examiners | $51,785 |
| Appraisers and Assessors of Real Estate | $28,670 |
| Occupational Health and Safety Specialists | $44,470 |
| Agricultural Inspectors | $29,504 |
| Tax Examiners and Collectors, and Revenue Agents | $36,009 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Political Science

Civics

Government

History

Public Speaking

Economics

Citizenship

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ACCOUNTING |  |  | ✔ | ✔ | ✔ |
| ACTUARIAL SCIENCE |  |  |  | ✔ |  |
| AMERICAN GOVERNMENT AND POLITICS |  |  |  | ✔ |  |
| ECONOMICS |  |  |  | ✔ | ✔ |
| EDUCATION, HEALTH OR PUBLIC POLICY |  |  |  | ✔ |  |
| FINANCE |  |  |  | ✔ | ✔ |
| FOREIGN LANGUAGE |  |  |  | ✔ | ✔ |
| INTELLIGENCE |  |  |  | ✔ | ✔ |
| INTERNATIONAL RELATIONS AND AFFAIRS |  |  |  | ✔ | ✔ |
| OCCUPATIONAL SAFETY & HEALTH TECHNOLOGY |  |  |  | ✔ | ✔ |
| POLITICAL SCIENCE AND GOVERNMENT |  |  |  | ✔ |  |
| PSYCHOLOGY |  |  |  | ✔ | ✔ |
| PUBLIC ADMINISTRATION |  |  |  | ✔ | ✔ |
| PUBLIC POLICY |  |  |  | ✔ |  |
| SOCIOLOGY |  |  |  | ✔ |  |
| STATISTICS |  |  |  | ✔ | ✔ |

Nebraska is expecting an increase of 755 jobs in this Cluster between 2014 and 2024.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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Funding provided through the Nebraska VR Career Pathway Advancement Project

**Human Services**

This career cluster prepares for careers that improve quality of life and promote safe, healthy communities. It includes careers to educate and assist individuals /families with needed counseling and mental health services, family and community services, personal care, consumer services and financial planning services, housing and nutrition planning.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Human Services Occupations** | **Average Entry Wage** |
| Child, Family, and School Social Workers | $33,829 |
| Mental Health Counselors | $31,086 |
| Healthcare Social Workers | $32,936 |
| Social and Community Service Managers | $39,799 |
| Rehabilitation Counselors | $26,457 |
| Clinical, Counseling, and School Psychologists | $45,126 |
| Health Educators | $28,900 |
| Substance Abuse & Behavioral Disorder Counselors | $31,910 |
| Barbers | $22,035 |
| Mental Health and Substance Abuse Social Workers | $28,614 |
| Community and Social Service Specialists, All Other | $33,727 |
| Clergy | $30,215 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Child Development

Human Growth and Development

Relationships

Fashion Design and Marketing

Human Food and Nutrition

Nutrition Science

Housing and Interior Design

Personal Finance

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| AESTHETITIAN / ESTHETICIAN / ELECTROLYSIS | ✔ |  | ✔ |  |  |
| BUSINESS ADMINISTRATION |  |  |  | ✔ | ✔ |
| CHEMICAL DEPENDENCY COUNSELOR |  |  | ✔ |  | ✔ |
| CHILD CARE | ✔ |  | ✔ |  |  |
| COSMETOLOGY / BARBERING | ✔ | ✔ | ✔ |  |  |
| FAMILY SCIENCE |  |  |  | ✔ |  |
| FAMILY AND CONSUMER SCIENCE TEACHER |  |  |  | ✔ |  |
| FASHION DESIGN |  |  | ✔ |  |  |
| FINANCIAL PLANNING | ✔ |  | ✔ |  |  |
| FUNERAL SERVICE AND MORTUARY SCIENCE |  |  | ✔ |  |  |
| GERONTOLOGY |  |  |  | ✔ |  |
| HUMAN SERVICES / SCIENCES | ✔ | ✔ | ✔ | ✔ | ✔ |
| MASSAGE THERAPY | ✔ |  |  |  |  |
| NAIL TECHNICIAN | ✔ |  |  |  |  |
| NUTRITION, FITNESS AND HEALTH PROMOTION |  |  | ✔ | ✔ |  |
| PSYCHOLOGY |  |  |  | ✔ | ✔ |
| SOCIAL WORK |  |  | ✔ | ✔ | ✔ |
| YOUTH SERVICES / YOUTH MINISTRIES |  |  |  | ✔ |  |

Human Services expects an average of 1,712 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Law and Public Safety, Corrections and Security**

This career cluster prepares for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

High wage + high demand + high skills = H3 jobs

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| --- | --- |
| **Law and Public Safety, Corrections and Security Occupations** | **Average Entry Wage** |
| Lawyers | $52,777 |
| Paralegals and Legal Assistants | $32,777 |
| Firefighters | $40,710 |
| Probation Officers and Correctional Treatment Specialists | $35,473 |
| First-Line Supervisors of Fire Fighting and Prevention Workers | $53,156 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Foundations of Law, Corrections, Security

Criminal Justice

Judicial Process

Police and Society

Emergency Medical Technician

Certified Emergency Responder Technician

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| CORRECTIONAL OFFICER / SECURITY OFFICER | ✔ | ✔ | ✔ |  | ✔ |
| COURT REPORTING |  |  | ✔ |  | ✔ |
| CRIMINAL JUSTICE | ✔ | ✔ | ✔ | ✔ |  |
| EMERGENCY MEDICAL TECHNICIAN / SERVICES | ✔ |  | ✔ | ✔ | ✔ |
| FIRE PREVENTION AND SAFETY |  |  | ✔ |  | ✔ |
| FORENSIC SCIENCE AND TECHNOLOGY |  |  |  | ✔ | ✔ |
| HAZARDOUS MATERIAL TECHNICIAN | ✔ |  |  |  | ✔ |
| HOMELAND SECURITY |  |  | ✔ |  | ✔ |
| HUMAN SERVICES |  |  |  | ✔ |  |
| LAW ENFORCEMENT |  |  | ✔ |  | ✔ |
| PARALEGAL / ADMINISTRATIVE ASSISTANT - LEGAL |  |  | ✔ |  | ✔ |
| PRE-LAW STUDIES |  |  |  | ✔ | ✔ |

Law, Public Safety, Corrections and Security expects an average of 731 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Education and Training**

This career cluster prepares for careers in providing, supporting and managing the education and training of millions of learners. It encompasses ages from pre-school through adults; varies from informal to formal settings; and provides for the skills necessary for initial entrance as well as updating skills to advance within the job or train for a different one.

High wage + high demand + high skills = H3 jobs

|  |  |
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| **Education and Training Occupations** | **Average Entry Wage** |
| Elementary School Teachers | $40,624 |
| Secondary School Teachers | $40,769 |
| Middle School Teachers | $42,576 |
| Education Administrators, Elementary and Secondary School | $73,076 |
| Health Specialties Teachers, Postsecondary | $50,372 |
| Educational, Guidance, School, and Vocational Counselors | $37,145 |
| Vocational Education Teachers, Postsecondary | $38,717 |
| Special Education Teachers | $40,591 |
| Interpreters and Translators | $27,132 |
| Librarians | $28,393 |
| Career/Technical Education Teachers/ Secondary School | $41,147 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Human Growth and Development

Exploring Education and Training

Experiencing Teaching

Child Development

Early Childhood Education

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ADULT AND CONTINUING EDUCATION | ✔ |  | ✔ | ✔ | ✔ |
| CAREER, TECHNICAL EDUCATION TEACHER |  |  |  | ✔ | ✔ |
| CHILD CARE WORKER | ✔ |  |  |  |  |
| EARLY CHILDHOOD EDUCATION | ✔ | ✔ | ✔ | ✔ |  |
| ELEMENTARY EDUCATION AND TEACHING |  |  |  | ✔ |  |
| HIGH SCHOOL EDUCATION AND TEACHING |  |  |  | ✔ |  |
| LIBRARY AND INFORMATION SCIENCE |  |  |  | ✔ | ✔ |
| MIDDLE SCHOOL EDUCATION AND TEACHING |  |  |  | ✔ |  |
| PHYSICAL EDUCATION / COACHING |  | ✔ | ✔ | ✔ | ✔ |
| SIGN LANGUAGE INTERPRETING |  |  | ✔ |  | ✔ |
| SPEECH-LANGUAGE PATHOLOGY |  |  |  | ✔ | ✔ |
| SPECIAL EDUCATION |  |  |  | ✔ |  |
| TEACHER ASSISTANT / AIDE |  |  | ✔ |  |  |

Education and Training expects an average of 2,191 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Marketing**

This career cluster prepares for careers in planning, managing and performing varieties of marketing activities to create, communicate and deliver value to customers and manage customer relationships in ways that benefit the organization and its stakeholders.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Marketing H3 Occupations** | **Average Entry Wage** |
| Market Research Analysts and Marketing Specialists | $37,072 |
| Public Relations Specialists | $30,474 |
| Sales Managers | $64,461 |
| Marketing Managers | $57,249 |
| Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products | $37,414 |
| Public Relations and Fundraising Managers | $53,615 |
| Wholesale and Retail Buyers, Except Farm Products | $34,572 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Marketing

Marketing Management

Entrepreneurship

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ADVERTISING |  |  |  | ✔ |  |
| APPAREL AND TEXTILE MARKETING MANAGEMENT |  |  |  | ✔ |  |
| BUSINESS ADMINISTRATION AND MANAGEMENT |  |  | ✔ | ✔ | ✔ |
| BUSINESS, MARKETING, INFORMATION TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| ECONOMICS |  |  |  | ✔ |  |
| ENTREPENEURSHIP | ✔ |  | ✔ |  |  |
| FASHION MERCHANDISING | ✔ |  | ✔ |  |  |
| INTERNATIONAL MARKETING |  |  |  | ✔ |  |
| MARKETING ASSISTANT / SPECIALIST | ✔ |  | ✔ |  |  |
| MARKETING MANAGEMENT |  |  |  | ✔ |  |
| PUBLIC RELATIONS, ADVERTISING AND APPLIED COMMUNCATION |  |  |  | ✔ | ✔ |
| REAL ESTATE | ✔ |  | ✔ |  |  |
| RETAIL MANAGEMENT |  | ✔ | ✔ |  | ✔ |
| SALES, DISTRIBUTION AND MARKETING OPERATIONS | ✔ |  | ✔ |  |  |
| SELLING SKILLS AND SALES OPERATIONS |  |  | ✔ |  |  |

Marketing expects an average of 4,211 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

**Explore More At**

**For diplomas, certificates and associate degrees in most NE Community Colleges:** www.mygreatcareer.com

**For all types of pathways including professional degrees:** www.NebraskaCareerConnections.org or www.mynextmove.org

**For military careers:** www.careersinthemilitary.com or www.todaysmilitary.com

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Funding provided through the Nebraska VR Career Pathway Advancement Project

**Hospitality and Tourism**

This

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Hospitality and Tourism H3 Occupations** | **Average Entry Wage** |
| Baker | $18,550 |
| Travel Agents | $26,587 |
| Food Handler | $19,100 |
| Lodging Manager | $43,934 |
| Concierges | $21,984 |
| Chefs | $25,446 |
| Cooks, short order | $18,860 |
| Tour Guides | $20,328 |
| Food Service Manager | $36,824 |
| Supervisors - Janitorial and Housekeeping | $24,958 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Human Food Nutrition and Wellness

Marketing

Hospitality and Tourism

Culinary Skills

ProStart /Food Safety

Entrepreneurship

**Career & Technical Student Organizations**

Get Involved With These Organizations!

**Virtual Career Tours**

Of Nebraska Businesses

www.necareertours.com

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| BUSINESS, MARKETING, INFORMATION TECHNOLOGY TEACHER |  |  |  | ✔ | ✔ |
| CULINARY ARTS AND MANAGEMENT |  |  | ✔ |  | ✔ |
| FACILITIES PLANNING AND MANAGEMENT |  |  |  | ✔ | ✔ |
| FAMILY CONSUMER SCIENCE TEACHER |  |  |  | ✔ |  |
| FOOD HANDLER | ✔ |  |  |  | ✔ |
| FOOD PROTECTION MANAGER | ✔ |  |  |  | ✔ |
| FOOD SAFETY MANAGER | ✔ |  |  |  | ✔ |
| FOOD SCIENCE AND TECHNOLOGY |  |  |  | ✔ |  |
| FOOD SERVICE AND DIETARY MANAGEMENT | ✔ |  |  |  | ✔ |
| FOOD SERVICE AND HOSPITALITY | ✔ | ✔ | ✔ |  | ✔ |
| HOSPITALITY AND TOURISM MANAGEMENT |  |  | ✔ | ✔ |  |
| MEETING AND EVENT PLANNING |  |  | ✔ | ✔ | ✔ |
| PARKS, RECREATION, FITNESS AND LEISURE STUDIES |  |  | ✔ | ✔ | ✔ |
| SALES AND MARKETING |  |  | ✔ | ✔ |  |
| TRAVEL AND TOURISM |  |  | ✔ | ✔ |  |

Hospitality and Tourism expects an average of 5,060 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Business Management and Administration**

This career cluster prepares for career opportunities that are dedicated to performing administrative managerial processes vital to the success and on-going existence of a business organization, regardless of the sector or industry in which the business resides or the product/service it provides.

High wage + high demand + high skills = H3 jobs

|  |  |
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| **Business Management and Administration H3 Occupations** | **Average Entry Wage** |
| General and Operations Managers | $54,453 |
| Management Analysts | $54,138 |
| Business Operations Specialists, All Other | $48,372 |
| Human Resources Specialists | $37,654 |
| Training and Development Specialists | $34,579 |
| Computer and Information Systems Managers | $78,306 |
| Managers, All Other | $56,479 |
| Administrative Services Managers | $52,837 |
| Industrial Production Managers | $58,934 |
| Operations Research Analysts | $44,428 |
| Human Resources Managers | $78,163 |
| Compensation, Benefits, and Job Analysis Specialists | $42,234 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Introduction to Business

Management and Leadership

Business Law

Entrepreneurship

Accounting

Business Communications

Business in a Global Economy

Financial Services

**Career & Technical Student Organizations**

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ADMINISTRATIVE PROFESSIONAL / OFFICE MANAGEMENT | ✔ | ✔ | ✔ |  | ✔ |
| BUSINESS ADMINISTRATION |  |  | ✔ | ✔ | ✔ |
| BUSINESS ADMIN., ACCOUNTING, ENTREPRENEUR-SHIP AND LOGISTICS | ✔ | ✔ | ✔ |  | ✔ |
| BUSINESS TECHNOLOGY | ✔ | ✔ | ✔ |  |  |
| BUSINESS, MARKETING, INFORMATION TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| ENTREPRENEUR-SHIP | ✔ | ✔ | ✔ |  |  |
| HUMAN RESOURCES MANAGEMENT |  |  |  | ✔ | ✔ |
| INTERNATIONAL BUSINESS |  |  | ✔ | ✔ |  |
| LOGISTICS AND MATERIAL MANAGEMENT |  |  | ✔ | ✔ | ✔ |
| MANAGEMENT ASSISTANT | ✔ |  |  |  |  |
| MANAGEMENT INFORMATION SYSTEMS |  |  |  | ✔ | ✔ |
| MARKETING SPECIALIST |  |  | ✔ | ✔ |  |
| OPERATIONS MANAGEMENT AND SUPERVISION |  |  |  | ✔ | ✔ |
| REAL ESTATE |  |  | ✔ |  |  |
| RETAIL MANAGEMENT |  |  | ✔ |  | ✔ |

Business Management and Administration expects an average of 4,553 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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**Finance**

This career cluster prepares for careers that relate to making strategic decisions to obtain, save, protect and grow the financial assets of businesses and individuals. It includes careers in planning and related services for financial and investment planning, banking, insurance and business financial management.

High wage + high demand + high skills = H3 jobs

|  |  |
| --- | --- |
| **Finance H3 Occupations** | **Average Entry Wage** |
| Accountants and Auditors | $42,734 |
| Loan Officers | $44,323 |
| Financial Managers | $76,926 |
| Claims Adjusters, Examiners, and Investigators | $39,957 |
| Financial Analysts | $51,111 |
| Personal Financial Advisors | $40,472 |
| Securities, Commodities, and Financial Services Sales Agents | $33,468 |
| Credit Analysts | $45,054 |
| Actuaries | $59,685 |
| Budget Analysts | $46,736 |

*This H3 list based on projected highest number of openings in Nebraska through 2024.*

*Source: Nebraska Department of Labor, Office of Labor Market Information.*

**Typical High School Classes**

Accounting

Personal Finance

Business Economics

Wealth Building and Financial Management

Microeconomics

Macroeconomics

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| --- | --- | --- | --- | --- | --- |
| **Education Pathways to begin your career** | **Certificate** | **Diploma** | **Associate Degree** | **Bachelor’s Degree** | **Military** |
| ACCOUNTING | ✔ | ✔ | ✔ | ✔ | ✔ |
| ACTUARIAL SCIENCE |  |  |  | ✔ |  |
| AGRIBUSINESS | ✔ |  | ✔ | ✔ |  |
| ACCOUNTING ASSISTANT / SPECIALIST | ✔ |  |  |  | ✔ |
| BANKING AND FINANCE SERVICES |  |  | ✔ | ✔ |  |
| CERTIFIED FINANCIAL ANALYST / PLANNER | ✔ |  |  |  | ✔ |
| BUSINESS, MARKETING AND INFORMATION TECHNOLOGY TEACHER |  |  |  | ✔ |  |
| ECONOMICS |  |  |  | ✔ |  |
| FINANCIAL MANAGEMENT SERVICES |  |  |  | ✔ | ✔ |
| INSURANCE SERVICES | ✔ |  | ✔ |  |  |
| INVESTMENTS AND SECURITIES |  |  | ✔ | ✔ |  |
| MEDICAL INSURANCE CODING / BILLING / CLAIMS |  |  | ✔ |  |  |
| TAX PREPARATION | ✔ |  | ✔ |  |  |

Finance expects an average of 1,591 job openings each year.

Check out all education and training options. Entry into these careers may begin with:

• Apprenticeships

• On-the-job training

• Attaining stackable credentials

• Entry-level employment

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