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Lasalle College

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| Name of Course | Program Analyst Information Technology |

Table of Contents

[Data Scientist 3](#_Toc164850305)

[Job Description 3](#_Toc164850306)

[How to Become a Data Scientist 3](#_Toc164850307)

[Pay 3](#_Toc164850308)

[Job Outlook 3](#_Toc164850309)

[Software Developer 4](#_Toc164850310)

[Job Description 4](#_Toc164850311)

[How to become Software developer 4](#_Toc164850312)

[Pay 4](#_Toc164850313)

[Data analyst 5](#_Toc164850314)

[Job Description 5](#_Toc164850315)

[How to become Data Analyst 5](#_Toc164850316)

[Pay 5](#_Toc164850317)

[References 6](#_Toc164850318)

[Average salary chart 8](#_Toc164850319)

# Data Scientist

## Job Description

* + Data scientists use analytical tools and techniques to extract meaningful insights from data.[[1]](#endnote-1)
  + Data scientists spend much of their time in an office setting. Most work full time.

## How to Become a Data Scientist

* + Data scientists typically need at least a bachelor’s degree in mathematics, statistics, computer science, or a related field to enter the occupation. Some employers require or prefer that applicants have a master’s or doctoral degree.

## Pay

median annual wage for data scientists was $108,020 in April 2024.

## Job Outlook

Employment of data scientists is projected to grow 35 percent from 2022 to 2032, much faster than the average for all occupations.

# Software Developer

## Job Description

Software developers design, program, build, deploy and maintain software using many different skills and tools. They also help build software systems that power networks and devices and ensure that those systems remain functional.

## How to become Software developer

Your education teaches you what's required of a software engineer. However, you need hands-on experience to develop your skills. A software engineer needs both technical skills, also known as hard skills, and soft skills to manage their responsibilities. These include:

* Technical skills
* Analytical skills for developing and troubleshooting software.
* Using software design to develop specifications for software solutions.
* Construction skills to program, test, and debug software
* Ability to modify, improve, and troubleshoot software issues.

## Pay

The average salary for Software Developer is $80,733 per year in Canada. The average additional cash compensation for a Software Developer in the Canada is $5,130, with a range from $2,583 - $10,187.

# Data analyst

## Job Description

A data analyst collects, cleans, and interprets data sets to answer a question or solve a problem. They work in many industries, including business, finance, criminal justice, science, medicine, and government. What kind of customers should a business target in its next ad campaign?

## How to become Data Analyst

To Become a data analyst, you have to follow at least below steps:

* Acquire an education.
* Gain relevant experience.
* Learn necessary computer languages.
* Consider a certificate program.
* Pursue postgraduate studies.
* Work on projects with real-life data.
* Develop a work portfolio.

## Pay

According to surveys conducted by several well-known websites, the average data analyst salary in Canada at the entry-level ranges from CAD 54,000 to CAD 61,700 per year.

# References

(1) <https://www.simplilearn.com/data-analyst-salary-in-canada-article>

# Average salary chart

THANK YOU

1. [www.google.com](http://www.google.com) [↑](#endnote-ref-1)