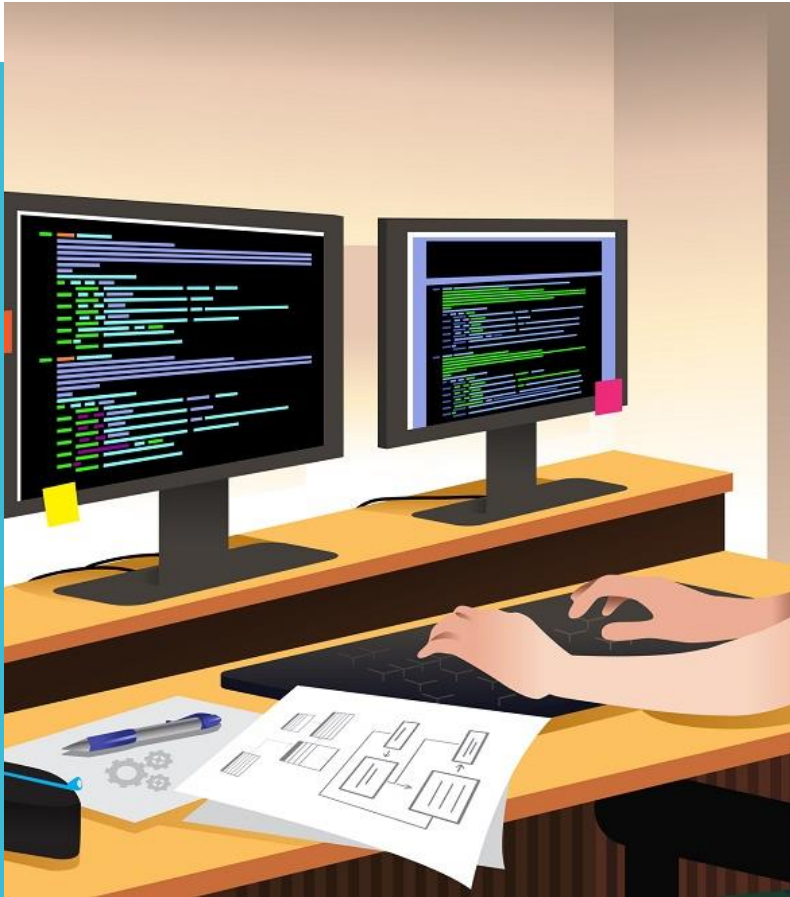# Career exploration

Career: System Analyst

Workplace images

Job description

A system analyst analyze how well the software and hardware fits with business needs of their client.

Day to day tasks

- The day-to-day task of a system analyst is to work with other system analyst to analyze if the software and hardware fits with the needs of their client

Education required / training required

A bachelor's degree in computer science, computer systems engineering, software engineering, or business administration is usually required.

- Some type of experience in computer programming is sometimes required

SKILLS / ABILITIES

- Strong analytical skills

  Teamwork skills

  Communication skills

  Critical thinking

  Flexibility

  management

Outlook

- Outlook in this career for a couple of years is good due to Employment growth will lead to several new positions.

Salary range

Low: $64,800 → Medium: $106,500 → High: $173,088

WHY YOU SHOULD WE INTERESTED IN THIS CAREER

- The reason you should be interested in system analyst because if you like working with computer this is a good job for you and you can sit anywhere and do your work.

Institution that offers bachelor of science degree

Institution – TRU

Entrance requirements

Grade 12 (or equivalent) or mature student status

English Studies 12/English First Peoples 12 with a minimum of 73% (or equivalent)

Pre-calculus 12 or Foundations of Math 12 with a minimum of C+, within the last two years (or equivalent)

First year program courses

computer Programming I

computer Programming II

Discrete Structures

Mathematics for Computing Science

Composition

The length of time to complete degree is 4 years

CAREER: SOFTWARE DEVELOPER

WORKPLACE IMAGES

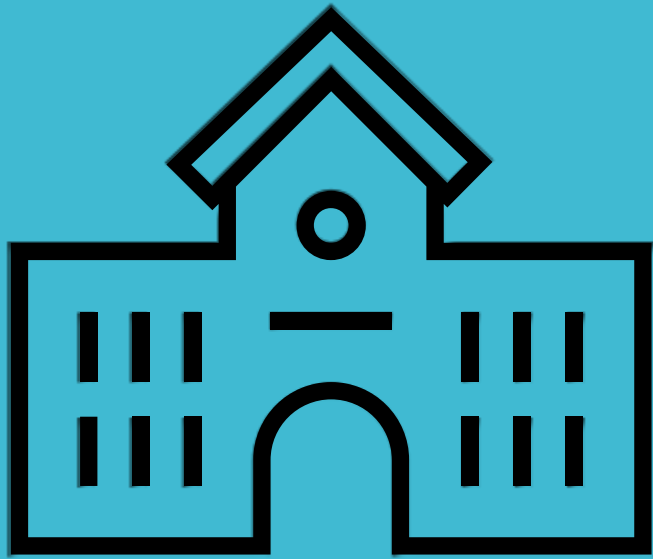# Software developer

Job description

- Software developer write, modify, and integrate code for software application. Thye write code for software used in things like cars, phones, and computers.

Day to day tasks

- Write, modify, integrate and test software code

Maintain existing computer programs by making modifications as required

Prepare reports, manuals and other documentation on the status, operation and maintenance of software

Education required

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.

SKILLS / ABILITIES

- Working with Technological Equipment and Machinery

  Planning

   Inspecting and Testing

   Analyzing Information
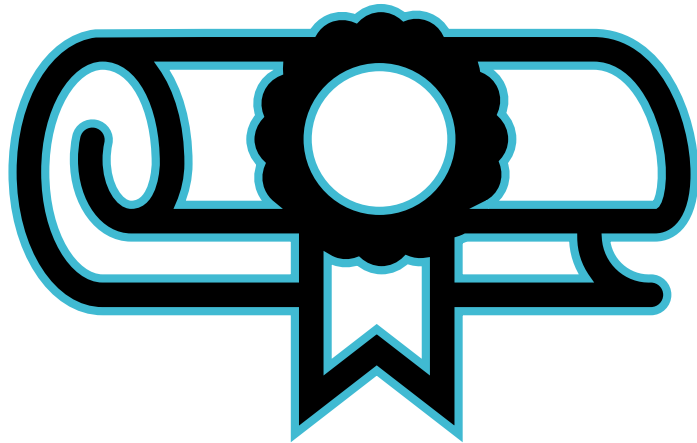
  Thinking

  Oral communication

Outlook

- Outlook in this career is good in B.C for the couple of years. If you decide to go into this career go will have good chance of getting a job.

b

WHY YOU SHOULD WE INTERESTED IN THIS CAREER

- The reason you should be interested in software developer because if you like working with computer this is a good job for you and you can work remotely from anywhere

Salary range

Salary Low	$51K
Salary Median	$80K
Salary High	$125K

INSTITUTION THAT OFFERS BACHELOR OF SCIENCE DEGREE

INSTITUTION – UBC

Entrance requirements

English is the language of instruction at UBC. All prospective students must demonstrate English - language competency prior to admission. There are numerous ways to meet the English language admission standard.

Grade 12

Two courses in either English (603) or French (601)

Calculus I (minimum 67%)
One of: General Biology I and General Biology II or General Chemistry I and General Chemistry II or two of Mechanics, Electricity/Magnetism, or Waves/Optics/Modern Physics

First year program courses

COSO 111 – PROGRAMMING I

COSO 122 – COMPUTER FLUENCY

COSO 123 – COMPUTER CRET\ATIVITY

COSO 150 – PHYSICAL COMPPUTING

bibliography

https://tinyurl.com/2nehfepf

HTTPS://TINYURL.COM/T685F5VY

https://you.ubc.ca/ubc_programs/computer-science-okanagan-bsc/

https://www.tru.ca/programs/catalogue/bachelor-of-computing-science.html