Faculty of Science

COMPUTER SCIENCE

Bachelor of Science (BSc)

Computer science is a dynamic field that allows you to combine creativity with skills in communication, mathematics, and logic. Coupling theory and foundational knowledge with an understanding of current technology, you'll develop the skills required to quickly adjust to the rapidly changing computer culture over the course of your career without needing continual retraining. During the course of your studies, much of your learning will occur while actively working on problems in class, during tutorials, and in the laboratory.

Did You Know?

Microsoft recently selected a multi-platform video game created by UCalgary graduate student for release on Xbox One.

Awards

JOHN D. PETRIE MEMORIAL ENTRANCE BURSARY - UP TO $5,000 (RENEWABLE)
CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

Job Titles

DATABASE ADMINISTRATOR
TELECOMMUNICATIONS SPECIALIST
WEB DEVELOPER

Student Clubs

COMPUTER SCIENCE UNDERGRADUATE SOCIETY
PROBLEM SOLVING CLUB

James Gosling

BSc'77

Dr. Gosling has the distinction of being featured as the answer on the popular television quiz show Jeopardy, “University of Calgary grad James Gosling created this computer language for Sun Microsystems.” Question is, “What is Java?”

“One of the reasons I chose to study computer science at UCalgary was the concentration program. Not only does it speak to the diversity in senior level courses available, but it also gives distinction to my degree for future employers.

Caitlin R., computer science student

View Program Requirements

1 Visit ucalgary.ca/future-students/undergraduate/explore-programs
2 Select your program
3 Select your type of admission (high school or transfer)
4 Choose the location of your high school

Sample First-Year Courses

FALL

Introduction to Computer Science for Computer Science Majors I (CPSC 231)
Linear Methods I (MATH 211)
Required course in mathematics or statistics
Logic I (PHIL 279)
Non-science option

WINTER

Introduction to Computer Science for Computer Science Majors II (CPSC 233)
Discrete Mathematics (MATH 271)
Required course in mathematics or statistics
Option
Non-science option