



CONCORDIA
UNIVERSITY
OF EDMONTON

Discover Your
**Bachelor of
Science**
in Information Technology

INFORMATION TECHNOLOGY

Program Overview

4-year BSc: Our 4-year program provides students with theoretical knowledge and technical skills, as well as professional preparedness for IT careers and/or further study (e.g., Masters, PhD). The curriculum covers core IT concepts (e.g., computing and emerging technologies, software development and cyber-security) and ethical, legal, and social issues related to IT.

Career Options

A Bachelor of Science degree allows you to explore a wide range of job opportunities upon graduation. You will be able to use your newfound research, analysis, and experimentation skills to forge your own career path. Some information technology degree career paths include:

Business Analyst	Multimedia Programmer
Computer Programmer	Network Security Analyst
Cybersecurity Specialist	Software Developer
Data Processing Consultant	Systems Administrator
Diagnostics Specialist	Systems Analyst
Government Officer	Technical Consultant
Information Resource Analyst	Web Developer

Admission Requirements

Interested? You'll need to present a 60% average, with a passing grade in the following required high school courses:

- English Language Arts 30-1
- Mathematics 30-1 or 30-2
- Two subjects from Group C
- One subject from Group A, B, C or D

Interesting Courses

IT 270 - Applied Cryptography: What is cryptography? This course provides an overview of cryptography algorithms and the main cryptosystems in use today. It emphasizes the application of cryptographic algorithms to designing secure protocols.

IT 413 - Advanced Networking: Following a brief review of the IP protocol, the course focuses on packet filtering, dynamic routing and a number of core application layer protocols. A wide variety of protocols are covered, including a sample of core application layer protocols such as DNS and DHCP.

APPLY TODAY

concordia.ab.ca



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