# Honours Bachelor of Computer Science - Mobile Computing

## Meet our students

Our students are well-versed in developing software, designing next-generation mobile applications, implementing pervasive information systems, and analyzing and planning wireless networks. This program balances theory and practice, allowing our students to develop knowledge and skills that prepare them to be job-ready, well-rounded graduates.

Learn more about the classes these students take by visiting the program webpage.

## Core competencies and skills

- Developing programs using C#, C++, Java, Swift, Python, JavaScript and more, using industry-grade frameworks and tools.
- Creating advanced mobile applications that leverage cognitive computing, the cloud, and the Internet of Things.
- Determining solutions using problem-solving principles, logic, and systematic methodologies.
- Integrating knowledge of ethical and legal frameworks with effective business practices.
- Collaborating when working in multidisciplinary teams.
- Managing the development of software systems through a variety of development processes and methodologies.
- Communicating professionally and meeting client needs and project due dates.
- Researching new knowledge and technologies within the computer science field.

- Designing and analysis of machine learning algorithms to create intelligent software solutions.

## Work term availability

- Winter (January – April)
- Summer (May – August)

Note: Some students will be available for an 8-month work term from January – August.

## Work term capabilities

- Evaluating the architecture and principles of operation for computer systems and networks.
- Synthesizing principles and theories of computer science and software engineering for application to different computing paradigms.
- Designing and developing software systems for various application domains, as well as secure enterprise-grade information systems.
- Designing effective user interfaces using human-computer interaction principles.
- Developing mobile applications using representative mobile devices and platforms.
- Evaluating network protocols, routing algorithms, connectivity methods and characteristics.
- Assessing the capabilities of next-generation networks and the role of wireless technologies in network design and operation.

## Employer resources

- Employer webpage
- Program information
- Program course schedule

## Post a job

**To post a job, log in to our online platform Sheridan Works.**

**Don't have an account? Create one today using our Employer Registration Guide.**