

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Honours Bachelor of Computer Science (Mobile Computing)

This program is for students interested in being at the forefront of computer science innovation.



Creating tomorrow's leaders in the new age of mobility.

## The new computer science: mobile computing

Throughout your educational career, you'll be presented with many opportunities to develop software, design next-generation mobile applications, implement pervasive information systems and analyze and plan wireless networks. This program fosters an entrepreneurial spirit that embraces the mobile movement and is poised to prepare tomorrow's leaders in the new age of mobility.

## Prepare for your career

Industry collaboration through internships and undergraduate research provides you with a variety of exciting job opportunities in this rapidly growing field. This program offers eight academic semesters with three co-op semesters for up to 12 months of industry experience upon graduation. You'll be well prepared to start your career or continue your studies in graduate programs.

## Combine theory with practice

Balancing theory and practice, this program offers an exceptional education in mobile computing, app development, software engineering and wireless technologies. With a degree in mobile computing you'll receive preparation to become a well-rounded, job-ready graduate. Pursue a Capstone Project or a Thesis for maximum flexibility and future career options.

## Admission Requirements

### Program Eligibility

#### Ontario Secondary School Diploma or equivalent, including these required courses:

- English, Grade 12 (ENG4U).
- Math, Grade 12 (U) (Any Grade 12 mathematics (U)).

plus

- Any grade 12 science (U or M), or Grade 12 Computer Science (ICS4U) or Grade 12 Computer Engineering Technology (U or M) and
- Three other Grade 12 subjects (U or M); and
- Minimum 65% overall average.

or

- Two semesters of postsecondary education including required courses with a minimum 65% overall average.

### Applicant Selection

Eligible applicants are selected on the basis of previous academic achievement (the average of their six highest senior-level credits, including required courses). Applicants who do not meet the admission requirements for this program will be assessed and advised individually and may be considered for other, related programs.

### English Language Proficiency

All applicants whose first language is not English must meet Sheridan's English Proficiency Requirements.

### Sheridan Degree Entrance Scholarship

Sheridan is pleased to provide an Entrance Scholarship in the amount of \$1,000 to select applicants in this degree program. View Sheridan Degree Entrance Scholarship details for eligibility criteria and more.

### Ministry Consent

Sheridan has been granted a consent by the Ministry of Training, Colleges and Universities to offer this degree for a seven-year term starting June 11, 2013 and subject to renewal thereafter. Application to the Ministry for renewal of the consent is a prescribed and cyclical requirement for degree programs at all Ontario Colleges. Sheridan will ensure that all students admitted to the Honours Bachelor of Computer Science (Mobile Computing) program during the period of consent will have the opportunity to complete the program within a reasonable time frame. Credentials earned during the period of consent remain valid, even if Ministry consent to offer the program is withdrawn in the future. Prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs (e.g. acceptable to potential employers, professional licensing bodies, or other educational institutions). Refer to the website for full admission requirements.

## Career Opportunities

Graduates may find employment in the following areas: software engineering, advanced mobile application development, web development, quality assurance, system analysis and Networking.

### HERE ARE SOME JOBS YOU MIGHT FIND:

Mobile Application Developer

AR/VR Developer

Web Application Developer

Software Developer

Computer System Analyst

Database Analyst

Software Engineering Developer

Wireless Network Design Specialist

## Courses

### SOME OF THE COURSES YOU CAN EXPECT TO TAKE IN YOUR PROGRAM

Edge to Core: Network Foundations

Interactive Application Development

Mathematics for Computing

Mobile Computing

Operating Systems Fundamentals

Programming Principles

Note: See website for specific terms and course listings.

## More information



**Website:**  
[sheridancollege.ca](http://sheridancollege.ca)



**Facebook:**  
[facebook.com/sheridaninstitute](https://facebook.com/sheridaninstitute)



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There's no better way to get a sense of Sheridan than with a personal visit. Book a tour and see for yourself!



[tours.sheridancollege.ca](https://tours.sheridancollege.ca)