

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Honours Bachelor of Applied Computer Science (Mobile Computing)

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

Honours Baccalaureate Degree

Program Code: PBACS

Full-Time | Trafalgar Road Campus | 4 yrs  
(8 semesters)



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

Collaboration with industry through internships and undergraduate research opportunities will provide graduates with numerous exciting job opportunities in this rapidly growing field. Graduates will also be well prepared to pursue higher-education qualifications such as a master's or doctorate in computer science.

## Combine theory with practice

This program will provide you with a strong computer science core body of knowledge, balancing theoretical and practical elements. You'll also be provided with a solid foundation in wireless technologies and wireless networks that will enable outstanding educational experiences in mobile computing and mobile application design and development.

## Admission Requirements

### Program Eligibility

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

- English, Grade 12 (ENG4U).
- plus
- Any grade 12 science (U or M), or Grade 12 Computer Science (ICS4U) or Grade 12 Computer Engineering Technology (U or M) and
  - Any grade 12 mathematics (U);
  - 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.

### Ministry Consent

Sheridan has been granted a consent by the Ministry of Advanced Education and Skills Development to offer this applied degree for a seven-year term starting June 11, 2013. Sheridan will ensure that all students admitted to the Honours Bachelor of Applied 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).

### Sheridan Degree Entrance Scholarship

Sheridan is pleased to provide a \$1,500 Entrance Scholarship to select applicants in specific degree programs. See this program's Fees & Financial Aid page for details.

Refer to the website for full admission requirements.

## Career Opportunities

Graduates may find employment in the following areas: Software Development, Advanced Mobile Application Development, Artificial Intelligence and Networking.

### RECENT GRADUATES HAVE MOVED INTO THE FOLLOWING CAREERS:

Information Systems Manager

Software Engineer

Mobile Application Developer

UI Developer

Mobile Web Developer

Wireless Network Design Specialist

Network Security Officer

Wireless Network Security Consultant

## Courses

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

Edge to Core: Network Foundations

Mobile Computing

Interactive Application Development

Operating Systems Fundamentals

Mathematics for Computing

Programming Principles

Note: See website for specific terms and course listings.

## More information



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



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