The University of Ontario Institute of Technology (UOIT) offers Master of Science (MSc) and Doctor of Philosophy (PhD) degrees in Computer Science. The aim of UOIT’s graduate programs in Computer Science is to produce a new breed of graduates with a broad background in information technology, project management and people management skills. Graduates of the programs will not only have strong technical expertise in their particular field, but will also have the experience and ability to work effectively in interdisciplinary teams. They will be able to tackle problems that require both technical and non-technical solutions.

For admissions and degree requirements or for further information on the Computer Science graduate programs, please visit our web site cs.science.uoit.ca or contact:

Computer Science graduate director
T: 905.721.3050
F: 905.721.3304
E: cs@uoit.ca

http://cs.science.uoit.ca
RESEARCH FIELDS

Both the MSc and PhD have four primary research fields:

:: **Software Design:** This field covers the process of designing and implementing software systems, including software engineering, distributed computing, programming languages and software architecture;

:: **Networks and Information Technology (IT) Security:** This field covers the design, implementation and management of computer networks, along with security issues such as cryptography, malware analysis and secure communications;

:: **Digital Media:** This field covers the use of computer technology in the implementation of various forms of media including audio, graphics, information visualization, computer animation, computer games, and computer vision; and

:: **Information Systems:** This field covers the distribution and management of information including database systems, services computing, intelligent systems, and health informatics.

RESEARCH FACILITIES AND LABORATORIES

As a graduate student at UOIT, you will have access to world-class professors and researchers and to state-of-the-art research facilities including the:

:: Laboratory for Advanced User Interfaces and Virtual Reality;

:: Hacker Research Laboratory;

:: Game Research Laboratory;

:: Research Centre for Mobile Healthcare Service Assurance and Privacy;

:: Mobile and Pervasive Computing Laboratory;

:: Computer Science Laboratory;

:: Visual Information Analysis Laboratory; and

:: SHARCNET (www.sharcnet.ca)

GRADUATE FUNDING AND FINANCIAL SUPPORT

Qualified applicants are eligible for UOIT graduate awards, graduate teaching assistantships, and graduate research assistantships upon acceptance to the program. Funding sources for these awards and assistantships include external granting agencies such as the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Ontario Graduate Scholarship Program (OGS).

FACULTY

There are currently 27 faculty members available to teach and supervise students enrolled in the MSc or PhD in Computer Science programs. The list of faculty includes a Tier 2 Canada Research Chair in Health Informatics and a SHARCNET Research Chair in Information Visualization.