

# FACULTY OF EDUCATION



www.education.uoit.ca



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## Welcome from the dean

Teaching is a fascinating and exciting career and teacher education at the University of Ontario Institute of Technology (UOIT) will prepare you to excel in your role as an educator.

We use innovative technologies and challenging teaching strategies to help you become an excellent teacher who will positively influence many young minds.

If you are currently in a teaching position and planning to upgrade your qualifications or if you are new to teaching and planning on entering our Concurrent or Consecutive Education programs, there are many exciting courses you can explore in this book and on our website.

Whether you teach in the heart of a city such as Toronto or Vancouver or work with children in rural Canada, typically, as an elementary school teacher you can expect to nurture the minds of more than 1,000 students throughout your career. If you teach grades 7 to 12, you will have the opportunity to form significant relationships with more than 6,000 students. If you think back to the teachers who made a difference in your life, you will recall that they devoted a great deal of their time and themselves to encouraging you to complete challenging learning activities while attempting to guide your spiritual, social and intellectual development.

As a 21st-century teacher, your work will include the traditional tasks of preparing imaginative and creative lessons and assessing your students' many assignments. In addition, you will also apply your knowledge of the latest in educational technology and resources. Should you choose to pursue a Bachelor of Education, Master of Arts, Master of Education or graduate diploma at UOIT, our talented professors will be happy to help you become skilled at teaching in a technology-rich learning environment. We believe that e-learning will be an important part of every teacher's repertoire in the future, and we are Canada's leading Faculty of Education in providing teachers with the best theories and practices to be effective e-learning instructors.

Please accept my very best wishes as you assess where you would like to study, and feel free to contact us if there is anything we can do to help you with this important decision.

**Dr. Jim Greenlaw**  
Dean, Faculty of Education

# Teacher education at UOIT

In just a few short years, we've established an outstanding Faculty of Education at UOIT. We offer a five-year Concurrent Bachelor of Science (BSc) (Honours)/Bachelor of Education (BEd) program in collaboration with our Faculty of Science that will prepare you to teach at the intermediate and senior (I/S) levels (grades 7 to 12). We also offer a one-year Consecutive Bachelor of Education degree that allows you to teach at the primary and junior (P/J) levels (junior kindergarten to Grade 6) or at the intermediate and senior levels.

We offer leading-edge preparation programs for teachers in a wide range of areas, including math, science, literacy, geography, physical education and history.

At UOIT, we encourage you to think deeply about your future students and how they learn in various subject areas and at different ages. You will be challenged to consider how diversity in ability, cultural background and social and religious experiences might influence the way you approach teaching. You will learn to be thoughtful and critical about the role of technology in teaching, and develop strong skills in how best to use technology in the classroom. You also study the legal and professional context of teaching in Ontario, classroom management, assessment and much more.

The Faculty of Education has a dedicated facility located in downtown Oshawa. This UOIT location is a cornerstone of our growing presence there and fosters a strong sense of community, where professors and teacher candidates learn together in bright, spacious classrooms located in a newly renovated and centrally located building. Faculty of Education students have access to both the north Oshawa library facilities and a dedicated, on-site Faculty of Education library and the Lois Sleightholm Teacher Resource Centre, which includes extensive digital collections.

We have consistently graduated excellent teacher candidates and they have found rewarding teaching careers in a variety of settings. Our innovative Concurrent and Consecutive BEd programs are designed to prepare you for your teaching career and will put you a step ahead of the competition when you graduate.

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*"UOIT's focus on technology sets UOIT apart from others. I feel confident that my education has placed me at an advantage to enter the work force."*

Ashley Sullivan, Bachelor of Education (Consecutive, Intermediate/Senior Division), class of 2011

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# Start here >

Faculty of Education undergraduate programs

# Concurrent Bachelor of Education program

Good teachers change lives. At UOIT, you gain the academic background and critical skills needed to help you thrive. Offered in co-operation with the Faculty of Science, our Concurrent BSc (Hons)/ BEd program provides you with the opportunity to earn two degrees in five years, and also prepares you to teach science or math at the I/S level (grades 7 to 12).



## PROGRAM YEAR

Obtaining your BSc (Hons)/BEd degree will take five years of full-time study. The first four years are comprised of science degree courses and a few education courses at the north Oshawa location. The fifth year is comprised of full-time education courses, with classes generally beginning in mid-August and ending in May, for a total duration of about nine months. During your fifth year you will join Consecutive BEd teacher candidates to complete courses at the Faculty of Education's downtown Oshawa location.

As a student in the Concurrent BEd program, your courses include (listed in order of study):

### Semester 1

- Analysis and Management of Classroom Behaviour I;
- Contemporary Educational Practice;
- Core Curriculum Methods I;
- Curriculum Studies I, two of:
  - » Biology;
  - » Chemistry;
  - » General Science;
  - » Mathematics; and
  - » Physics.
- Learning and Adolescent Development; and
- Learning with Information and Communication Technology (ICT).

### Semester 2

- Analysis and Management of Classroom Behaviour II;
- Core Curriculum Methods II;
- Curriculum Studies II, two of:
  - » Biology;
  - » Chemistry;
  - » General Science;
  - » Mathematics; and
  - » Physics.
- Individual Needs and Diversity; and
- Information Literacy.

## ELECTIVES

Concurrent Education students will take three electives over the academic year. See page 9 for a list of available electives.

# Consecutive Bachelor of Education Primary/Junior program

For those who hold an appropriate undergraduate degree from a recognized university, UOIT offers a one-year Consecutive BEd – P/J program focused on teaching junior kindergarten to Grade 6. The program emphasis is on preparing you to be an elementary school teacher with strengths in science, mathematics, technology and literacy.

The Faculty of Education enables you to develop the communication, critical-thinking and problem-solving skills essential for success in junior kindergarten to Grade 6 classrooms. Our professors are experts in their fields, challenging and inspiring you to push your boundaries of thinking and learning. They are also skilled in the use of technology in teaching to ensure that as a graduate, you are well prepared to be a 21st-century educational leader.

You do not have to be a math or science graduate to apply for the P/J program. We help you acquire the skills and knowledge required to be a math and/or science P/J teacher through the program curriculum.

*“The Bachelor of Education program at UOIT surpassed my expectations. Our instructors exuded a passion and enthusiasm for the teaching profession. Assignments were based on actual teaching responsibilities that resulted in each of us leaving with a diverse portfolio of ideas, lessons and unit plans that we can use in our future classrooms. Coupling all of this with UOIT’s focus on technology, I feel very prepared to meet the challenges of teaching a technologically savvy generation of students.”*

Dana Porter, Bachelor of Education (Consecutive, Primary/Junior Division), class of 2011

## CONSECUTIVE P/J PROGRAM COURSES INCLUDE:

### Semester 1

- Analysis and Management of Classroom Behaviour;
- Contemporary Educational Practice;
- Core Curriculum Methods I;
- Language Arts I;
- Learning and Child Development;
- Learning with ICT;
- Mathematics I; and
- Science and Technology I.

### Semester 2

- Health and Physical Education;
- Individual Needs and Diversity;
- Language Arts II;
- Mathematics II;
- Science and Technology II;
- Social Studies; and
- Visual Arts, Music and Dance.



# Consecutive Bachelor of Education Intermediate/Senior program

Good teachers change lives. Our BEd – I/S program prepares you to teach grades 7 to 12. The program puts a special emphasis on using technology to make teaching and learning more dynamic and effective. All of our teacher candidates use laptops equipped with specialized software that is helpful when in the field and with their studies.

The Faculty of Education enables you to develop the communication, critical-thinking and problem-solving skills essential for success in intermediate and senior classrooms.

## CONSECUTIVE I/S PROGRAM COURSES INCLUDE:

### Semester 1

- Analysis and Management of Classroom Behaviour I;
- Contemporary Educational Practice;
- Core Curriculum Methods I;
- Curriculum Studies I, two of:
  - » Biology;
  - » Chemistry;
  - » English;
  - » General Science;
  - » Geography;
  - » Health and Physical Education;
  - » History;
  - » Mathematics;
  - » Physics; and
  - » Visual Arts.
- Learning and Adolescent Development; and
- Learning with ICT.

### Semester 2

- Analysis and Management of Classroom Behaviour II;
- Core Curriculum Methods II;
- Curriculum Studies II, two of:
  - » Biology;
  - » Chemistry;
  - » English;
  - » General Science;
  - » Geography;
  - » Health and Physical Education;
  - » History;
  - » Mathematics;
  - » Physics; and
  - » Visual Arts.
- Individual Needs and Diversity; and
- Information Literacy.

### ELECTIVES

Each elective is worth 1.5 credits and consists of 18 hours, unless otherwise indicated. Students enrolled in the consecutive program must take one elective and can take up to two electives over the course of the year. Please note that to be eligible for a job in a Catholic school, you must take Religious Education: Teaching in Ontario Catholic Schools.

### Available electives:

- Issues in Education;
- L'apprentissage en français;
- Mathematics for Teachers;
- Mental Health;
- Outdoor Education: Backpacking;
- Outdoor Education: Canoe Tripping;
- Outdoor Education: Winter Survival with Cross Country Skiing;
- Outdoor Education: Bush Snow-shoeing and Tenting;
- Problem-based Learning for Technology;
- Religious Education: Teaching in Ontario Catholic Schools;
- Teaching Kindergarten;
- Teaching Students of ESL; and
- Teacher as Coach.

### Career opportunities include:

- Child and youth counsellor;
- Educational publishing;
- Elementary school teacher;
- Roman Catholic school teacher;
- Secondary school teacher;
- Special education resource teacher;
- Trainer in private and public sector organizations; and
- Youth worker.

Our Consecutive BEd – P/J and I/S programs meet all of Ontario's legislated requirements and incorporate the Standards of Practice and Ethical Standards for the Teaching Profession of the Ontario College of Teachers (OCT). Once you are ready to graduate, we recommend you to the OCT for certification to practice in Ontario. With a strong math and science focus and excellent technology skills, our graduates are sought by many school boards.





What's  
**next** >

# Leading-edge learning environment

Teacher candidates at UOIT are immersed in a leading-edge learning environment that allows you to be connected to and supported by your professors and peers. You will learn to use new software and technologies that are critical to your learning experience. This will help you to integrate technology into your classroom practice and when you graduate, you will have the skills and experience to effectively use technology for teaching and learning.

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*“One of my favourite aspects of the Concurrent Education program was the application of technology throughout the degree. Not only was a laptop required for the program, but many of the assignments involved the use of website design, educational tools and SMART Boards. I definitely feel that I made the right choice in doing my Bachelor of Education at UOIT and I would make the same choice again in a heartbeat.”*

Gareth O’Brien, Bachelor of Education (Concurrent), class of 2011

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## LAPTOP LEARNING

As a UOIT student, you use a laptop computer that gives you a significant advantage. To help get you started, we provide an orientation program that demonstrates how to get the most from your laptop. You will use your laptop extensively when:

- Communicating with faculty staff and peers;
- Developing teaching lessons;
- Gathering research information;
- Organizing work and making presentations in class; and
- Preparing assignments.

Most courses in our programs have an online component, which ranges from the posting of class content and assignments to engaging in discussions and sharing new learning. Your laptop features the latest hardware and a rich assortment of program-related software to ensure you have equal access to technology, resources and services. Inside or outside the classroom, you can make quality digital presentations, conduct Internet research, communicate with professors and other students and have seamless access to all online resources. Our campus is designed for you to use your laptop in classrooms, labs, the library, residences, food spaces and meeting places.

## INTERACTIVE WHITEBOARD TECHNOLOGY

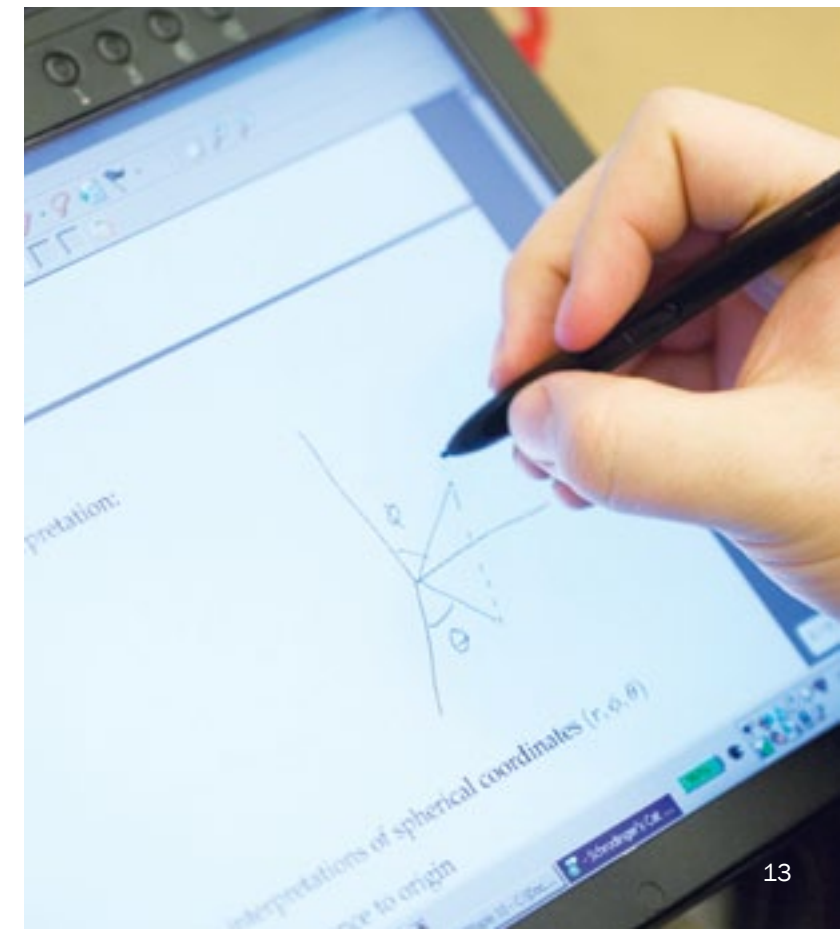
Interactive Whiteboard (IWB) technology is increasingly being used in classrooms to actively engage students in the learning process and to facilitate access to digital resources. Recognizing the growing importance of touch sensitive technologies, many of our teaching areas are equipped with IWBs called SMART Boards. To help you connect to SMART Boards in order to create lesson plans, your laptop is equipped with SMART Tools and SMART Notebook software. The knowledge and skills you acquire while using these tools is easily transferable to other IWB technologies.

## SCIENCE AND TECHNOLOGY LAB/CLASSROOM

The Science and Technology lab/classroom was designed to give you the look and feel of a science classroom and the opportunity to gain valuable hands-on experience. In this classroom you will perform and design experiments and activities that are relevant to teaching general science, chemistry, biology and physics. The room is outfitted with a data projector, SMART Board and the equipment found in elementary and secondary school classrooms in Ontario.

Employers rave about our graduates’ confidence and skill with technology. We consider the laptop to be the first step in the development of technologies that will revolutionize teaching and learning, and we want you to be a revolutionary teacher.

We’re committed to giving you even more value for your education and your investment in technology while studying at UOIT.



# Hands-on experience: your competitive advantage

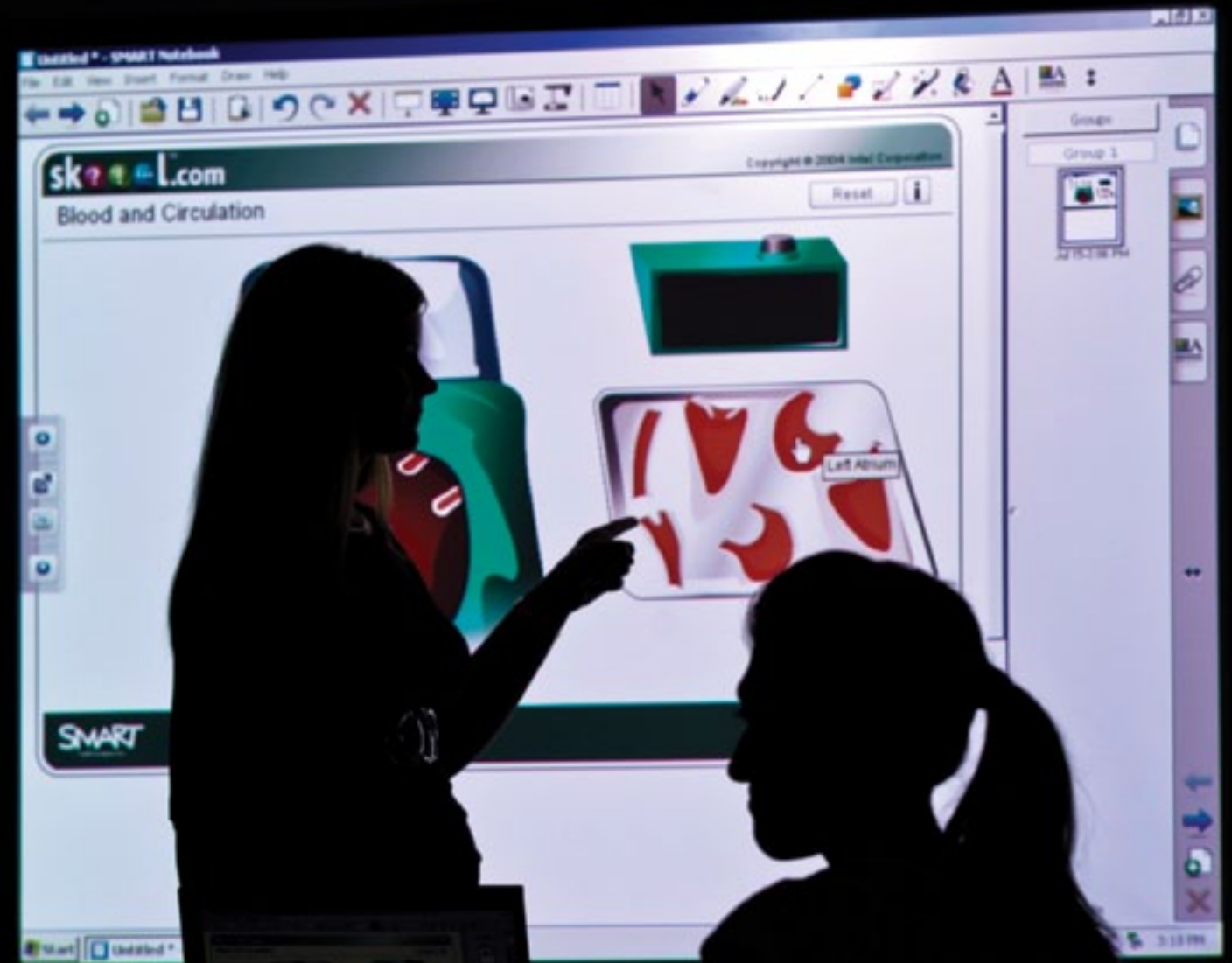
By graduation, Concurrent students will have 100 days of school experience by the end of their program and Consecutive students will have 60 days. These include placements in local elementary and secondary schools at the end of each of the first three years of the Concurrent program and three field experiences in the final year. We make every effort to ensure that you not only get experience teaching your teachable subjects, but in other subjects and various grade levels.

Placements are arranged by our practicum coordinator, Ron McKelvey, in our partner school boards:

- Durham Catholic District School Board;
- Durham District School Board;
- Kawartha Pine Ridge District School Board;
- Peterborough Victoria Northumberland and Clarington Catholic District School Board;
- Simcoe County District School Board;
- Simcoe Muskoka Catholic District School Board;
- Toronto Catholic District School Board;
- Toronto District School Board;
- Trillium Lakelands District School Board;
- York Catholic District School Board; and
- York Region District School Board.

## INTERNATIONAL EXCHANGES

The opportunity to embrace a range of cross-cultural experiences allows teacher candidates to expand their personal realities and perspectives, and to step outside of their comfort zones so they are able to include these learning experiences in their own teaching practices. In the past, we have placed some students in schools in Istanbul, Turkey, to do their final practice teaching experience. During the 2011-2012 academic year teacher candidates will have the opportunity to teach in Bermuda and China, and there will also be the opportunity for some of our BEd graduates to teach in Taiwan during the summer months.





# World-class faculty

Our professors are education experts in their fields and are experienced teachers themselves. They will inspire you to push your boundaries of thinking and learning, and broaden your knowledge of the education field. Supportive and highly approachable, our professors are dedicated to helping you shape the next generation of learners.

#### Dean and professor

Jim Greenlaw, PhD

#### Director, Graduate Studies program and assistant professor

Lorayne Robertson, PhD

#### Coordinator, BEd program and teaching faculty member

Wendy Barber, PhD

#### Director, professional development and assistant professor

Nick J. Scarfo, PhD

#### Professor

Bill Hunter, PhD

#### Associate professors

Francois Desjardins, PhD

Robin Kay, PhD

Roland vanOostveen, PhD

#### Assistant professors

Janette Hughes, PhD

Ann LeSage, PhD

Shirley Van Nuland, PhD

Allyson Eamer, PhD

Maurice DiGiuseppe, PhD

Shawn Michael Bullock, PhD

Diana Petrarca, PhD

#### Teaching faculty

Jennifer Laffier, MA

Shirley Smith, MA

As a growing group of professors who are actively involved in leading-edge research and development activities, the Faculty of Education is looking into the future of education. With a clear focus on a wide variety of aspects of the use of technology in education, particularly in literacy, math and science, these researchers are working on non-traditional, creative ways to radically improve our collective knowledge and our methods of teaching and learning. Our highly innovative professors partner with research teams all over the world and are demonstrating how UOIT's Faculty of Education is quickly becoming an important hub for research, which is working to reinvent the future of education.

Our faculty conducts research on a variety of education areas including:

- Assessing computer behaviours;
- Audience response systems (kindergarten to Grade 12);
- Bullying and abnormal behaviour in adolescents;
- Development and use of print and electronic textbooks in science education;
- Developing an epistemological model of human-computer-human interaction;
- Digital literacy and how it supports self-directed learning;
- Educational law;
- Education multi-media;
- Engaging teachers of at-risk students through a mathematics adventure experience;
- Educational technology in humanities classrooms;
- E-learning in science education and science teacher education;
- Emotions and the use of computers;
- Graphic novels;
- History, philosophy and sociology of science in science education;
- Impact of online delivery on student learning;
- Immersion education;
- Information and communications technologies in education;
- Infusing arts into curriculum;
- Language acquisition and identity negotiation;
- Leadership and technology;
- Learning with computers;
- Library special acquisitions: exploring mathematics through children's literature;
- Performative affordances of new media;
- Professional development through Japanese lesson study;
- Rights and responsibilities of students;
- Synchronous online language learning;
- Teacher preparation in Northern Ireland;
- Teaching English as a foreign language;
- Technology and its assistance in learning;
- Technology leadership in schools; and
- Wikis and blogs.



# Admission requirements

Program	OUAC code	Admission requirements
<b>Concurrent</b>	DSJ	Six 4U or 4M credits, including ENG4U, MHF4U, and two MCV4U, SBI4U, SCH4U, and SPH4U. In addition, a combined minimum average of 75 per cent in math and science courses is required.
<b>Consecutive P/J</b>	*	An undergraduate degree from a recognized university with a minimum overall academic average of 70 per cent in your best 10 full-year or 20 half-year courses completed.  Preference is given to candidates with four-year honours degrees who have one or more three credit hour undergraduate or graduate courses in the following subject groupings: English/linguistics/languages; mathematics/statistics; physical sciences/life sciences; social sciences/humanities; and visual arts/music/drama.
<b>Consecutive I/S</b>	*	An undergraduate degree from a recognized university with a minimum overall academic average of 70 per cent in your best 10 full-year or 20 half-year courses completed.  A minimum 70 per cent average in courses applicable to two teachable subjects; and A minimum of 30 credit hours in university courses (equivalent to five full courses or 10 one-semester courses) in a first teachable subject and 18 credit hours (equivalent to three full courses or six one-semester courses) in a second teachable subject.  Teachable subjects include Biology, Chemistry, English, General Science, Geography, Health and Physical Education, History, Mathematics, Physics and Visual Arts.

You must also submit a personal profile stating your skills and related work experience, and two letters of reference. A clear criminal reference check and tuberculin (TB) test are post-admission requirements for all applicants. You may also be asked to submit proof of English language proficiency. Please note: An interview may be required, at the discretion of the faculty.

**Note:** Any costs associated with the criminal reference check for the Consecutive BEd programs are your responsibility.

\*If you are applying to the Consecutive programs, please visit [www.ouac.on.ca/teas](http://www.ouac.on.ca/teas).

For complete information on the current admission requirements to UOIT undergraduate programs, please visit [www.uoit.ca/programs](http://www.uoit.ca/programs).

## LEGEND

- ENG4U** – Compulsory 4U English
- MHF4U** – 4U Advanced Functions
- MCV4U** – 4U Calculus and Vectors
- SBI4U** – Biology
- SCH4U** – Chemistry
- SPH4U** – Physics

# AQ and ABQ courses

[www.education.uoit.ca/aq\\_aqb](http://www.education.uoit.ca/aq_aqb)

Additional qualification (AQ) and additional basic qualification (ABQ) courses provide the foundation for you, as a teacher, to strengthen and enhance your professional practice. The Faculty of Education offers a variety of in-service professional development opportunities, through AQ and ABQ courses, for qualified teachers.



# Financing your education

[www.uoit.ca/safa](http://www.uoit.ca/safa)

Because your education is one of the most important investments you'll ever make, our Student Awards and Financial Aid (SAFA) office works hard to ensure you have everything you need to meet your financial obligations. We are committed to helping you with the financial aspect of your post-secondary experience and encourage you to take advantage of the Ontario Student Assistance Program (OSAP), budget counselling and on-campus and summer employment opportunities to help with the cost of your tuition, books and other fees. We offer a variety of scholarships, bursaries and, thanks to the generosity of donors, other student awards to assist if you are in financial need and in good academic standing.

OSAP and the Canada Student Loans program provide financial assistance for those who qualify. For more information about government loan programs, please visit [osap.gov.on.ca](http://osap.gov.on.ca).

## TUITION AND FEES

Tuition and fees are subject to change. For information on current rates, please visit [www.uoit.ca/admissions](http://www.uoit.ca/admissions).



# See for yourself

The best way to experience UOIT is to participate in one of our campus tours where you will have the opportunity to ask questions to a student ambassador and learn more about our buildings, classrooms, residences and student services. We offer a variety of tour times including weekend bookings.

[BOOK A CAMPUS TOUR](http://www.uoit.ca/tours)

[www.uoit.ca/tours](http://www.uoit.ca/tours)

[VIRTUAL TOURS](http://www.uoit.ca/maps/uoit)

[www.uoit.ca/maps/uoit](http://www.uoit.ca/maps/uoit) – click on specific buildings

# Open House events

[www.uoit.ca/openhouse](http://www.uoit.ca/openhouse)

Twice a year we host an Open House and invite you to join us for a tour of our award-winning campus. During this event you will have the opportunity to meet current students, staff and faculty and learn more about academic programs and student life at UOIT.

## FALL OPEN HOUSE

Saturday, November 5, 2011  
10 a.m. to 2 p.m.

## WINTER OPEN HOUSE

Saturday, March 3, 2012  
10 a.m. to 2 p.m.



## We are here to help.

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INSTITUTE OF TECHNOLOGY