UOIT

CHALLENGE INNOVATE CONNECT

Program Maps and Important Information for Newly Admitted Students 2011-2012

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IMPORTANT INFORMATION FROM THE OFFICE OF THE REGISTRAR

Room U5-68 UOIT North and 61 Charles Street UOIT Downtown

1 Registration assistance required?

See our online Registration Guide at www.uoit.ca/mycampus. Please note: The guide is found on the home page of MyCampus on the left-hand side and at the bottom. Do not Log into MyCampus to access the *Registration Guide*.

Please read this guide and plan your schedule before logging into MyCampus. On the first two pages of the *Registration Guide* there are worksheets you can use to plan your schedule.

You can view the courses offered by selecting **Preview Available Courses** under Links on the home page of MyCampus (left-hand side navigation) http://www.uoit.ca/mycampus/avail_courses.html.

Still having trouble? Call 905.721.3190 for further registration assistance.

2 Academic advising

A list of academic advisors and their contact information is listed in this document.

Consult the advisor responsible for those courses you wish to add, drop or waive registration requirements. Consult the advisor responsible for your program if you need advice about degree requirements or academic goals.

3 Fees, OSAP fee deferrals and other payments

Information is available online at http://www.uoit.ca/studentfinances or in person through the Accounting department, Room U5-68 UOIT North or 61 Charles Street UOIT Downtown.

4 Financial aid/OSAP

Information regarding OSAP loan documents is available online at www.uoit.ca/safa or in person through the Financial Aid office, Room U5-68 UOIT North or 61 Charles Street UOIT Downtown.

5 Student Insurance and health plan

Your student ID card serves as your university student health insurance card. The deadline to opt-out of the health insurance plan is **September 30, 2011**. If you wish to opt-out of your insurance, you can do so online from September 1, 2011 to September 30, 2011 at www.wespeakstudent.com. Additional information can be obtained from the Student Association website by visiting www.your-sa.ca or in person at the Student Association office, 2nd Floor, Student Centre- UOIT North. You must pay the insurance fees upfront and then you will be reimbursed by cheque if the online opt-out process is completed by September 30, 2011.

6 Laptop (pick up)

One of the greatest advantages of UOIT's laptop-based learning environment is that all students have equal access to the same technology, resources and services. It is mandatory that all UOIT students must lease a UOIT laptop. All new students are required to attend a laptop distribution session prior to the start of classes.

If you have already registered for a laptop pick up session on MyCampus (as outlined in the *Registration Guide*) pick up your laptop at UOIT- North **Room D116,** Gordon Willey building, 1st Floor, during your assigned time. For further inquiries, please visit www.uoit.ca/mobile.

7 Parking

Parking information is available online at http://www.uoit.ca/parking. If you have paid for parking and you are eligible for a parking tag, you will be mailed your tag, or you may pick up your parking tag at the parking services office, Gordon Willey building.

8 Photo ID (UOIT Student Card)

You are strongly encouraged to obtain your multi-year 2011-2012 campus identification card as soon as you've officially registered for fall classes. **This must be done before classes begin** to ensure valid identification for September access to meal plans/flex dollars and the **U-Pass** student transit access including Durham Region Transit and Go Transit bus services within Durham Region. Your full-time campus ID card is required by September 8, 2011 for U-Pass access. This ID card will also be required to be presented at all final examinations. See the *Registration Guide* for Campus ID office hours.

To receive your campus ID card, present your current timetable or proof of registration plus one government-issued piece of photo ID. For further inquiries, please visit http://www.uoit.ca/studentid

9 International students

Student advisor: **Abu Arif**
Email: abu.arif@uoit.ca
International students should consult Abu Arif regarding arrival information, study permits, registration, enrolment, graduation letters, tuition summaries, the University Health Insurance Plan (UHIP), international student orientation, airport pick up during first time arrival, cultural adjustment, international events and general student life issues. For further information regarding UHIP, please visit www.uoit.ca/uhip

Program and course advising for all students, including international students is provided by the academic advisors. You will find a full list of academic advisors is in this document.

10 Student Experience Centre

The Student Experience Centre is committed to facilitating your transition and integration into the university community and to supporting your personal and career development throughout your time with us. Services and supports provided include:

:: Career Services;
:: Co-curricular Recognition Program;
:: Community Relations;
:: Disability Services (downtown Oshawa location)*;
:: First Generation Student Support;
:: First Year Programming;
:: Internship Program;
:: Leadership Program; and
:: Orientation Programming.

You will receive more information about orientation programming from the Student Experience Centre in early July.

* Students at the north Oshawa location will be serviced through the Centre for Students with Disabilities.
For more information, please visit www.uoit.ca/studentexperience

ACADEMIC ADVISING – TEN REASONS TO MEET AN ADVISOR

Academic advisors will meet students who are currently enrolled, or have been admitted and accepted UOIT's offer. Academic advisors strive to assist students to make choices that will lead to their academic success. Your advisor can support you from start to finish, from selecting a program to planning for the future.

Visit an academic advisor if you:

1. Need advice and approval to add and/or drop a course.
2. Need advice and approval for course substitution.
3. Need advice and approval for pre-requisite/co-requisite or time conflict waivers.
4. Need advice regarding the selection of courses that will meet degree requirements. (Students approved for transfer credit may require this service.)
5. Need advice regarding a change of major or specialization area.
6. Need to discuss your academic progress and standing (including grade appeals, academic probation and academic or disciplinary suspension).
7. Need to discuss issues that affect your academic performance.
8. Need advice about deferred examinations and scheduling these exams.
9. Need advice regarding your academic goals.
10. Require the dean's signature on a document.

Where to find your advisor

Faculty of Business and Information Technology
Academic advisor- Business Years 1 & 2:
Jessica Clarke
Location: **Room UB 3020- UOIT North**
Business and IT building, 3rd Floor
jessica.clarke@uoit.ca
Courses: BUSI, ECON

Academic advisor-Business Years 3 & 4:
Christina Pearsall
Location: **Room UB 3022- UOIT North**
Business & IT building, 3rd Floor
christina.pearsall@uoit.ca
Courses: BUSI, ECON

Academic advisor-IT: **Aaron Mitchell**
Location: **Room UB 3018- UOIT North**
Business & IT building, 3rd Floor
aaron.mitchell@uoit.ca
Courses: INFR

Faculty of Energy Systems and Nuclear Science
Academic advisor: **Kerry Morrison**
Location: **UA 3061 or ERC4033 (moving in fall term)- UOIT North**
Science Building or Energy Research Centre
kerry.morrison@uoit.ca
Courses: ENGR, RADI, NUCL

Faculty of Engineering and Applied Science
Academic advisors: **Joanna Campbell and Tammy Mulley**
Location: **ENG 1020- UOIT North**
OPG Building
joanna.campbell@uoit.ca
tammy.mulley@uoit.ca
Courses: ENGR

Faculty of Health Sciences
Academic advisor-Nursing and
Allied Health Science: **Tracey Szarka**
Location: **Room UA 3013- UOIT North**
Science building, 3rd floor
healthscience.advising@uoit.ca
Courses: NURS, HLSC

Academic advisor-Health Science and
Medical Laboratory Science: **Darci Aylward**
Location: **Room UA 3011- UOIT North**
Science building, 3rd Floor
healthscience.advising@uoit.ca
Courses: HLSC, MLSC

Faculty of Science
Academic advisors: **Amanda Lowe and Clarissa Livingstone**
Location: **Room UA 4045- UOIT North**
Science building, 4th Floor
science.advising@uoit.ca file://C:\Documents and Settings\100330936\Local Settings\Temporary Internet Files\Content.Outlook\Local Settings\Temporary Internet Files\Content.Outlook\Local Settings\Temporary Internet Files\Local Settings\Temporary Internet Files\100154252\Local Settings\Temporary Internet Files\Content.Outlook\Local Settings\Temporary Internet Files\Content.Outlook\Local Settings\Temporary Internet Files\Content.Outlook\Local Settings\Temporary Internet Files\Content.Outlook\ITK74V1T\science.advising@uoit.ca
Courses: BIOL, CHEM, ENVS, FSCI, MATH, PHY, SCIE, STAT, CSCI

Faculty of Social Science and Humanities
Academic advisors: **Kellie Newberry, Patricia MacMillan, and Alexandra Herman**
Location: **55 Bond Street East, Rooms 402 and 403**

SSHadvising@uoit.ca
Courses: COMM, LGLS, PHIL, POSC, PSYC, PUBP, SOCI, SSCI

Faculty of Business and Information Technology

Business (Commerce)

Fall semester (15 credit hours)
BUSI 1010U Critical Thinking and Ethics
BUSI 1520U Business Computer Applications
BUSI 1600U Management of the Enterprise
BUSI 1915U Linear Algebra
ECON 2010U Microeconomics

Winter semester (15 credit hours)
BUSI 1020U Business Communications
BUSI 1450U Statistics
BUSI 2150U Financial Accounting I
ECON 2020U Macroeconomics
Elective

Commerce Bridge programs and Commerce Direct Entry for Ontario College Business Diploma Graduates programs. Please visit this link for your program maps
http://businessandit.uoit.ca/EN/main/96618/489947.html

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Information Technology – Game Development and Entrepreneurship

Fall semester (15 credit hours)
INFR 1010U Discrete Mathematics
INFR 1100U Intro to Programming
INFR 1300U Creative Writing and Narrative Concepts
INFR 1310U Graphic Design I
INFR 1340U Business of Gaming

Winter semester (15 credit hours)
BUSI 1700U Introduction to Entrepreneurship
INFR 1015U Linear Algebra and Physics for Games
INFR 1320U Graphic Design II
INFR 2140U Object Oriented Programming
General elective*

Information Technology – Networking and Information Technology Security

Fall semester (15 credit hours)
COMM 1050U Technical Communications
INFR 1010U Discrete Mathematics
INFR 1100U Intro to Programming
INFR 1411U Intro to Networking
INFR 1550U Law & Ethics in IT

Winter semester (15 credit hours)
BUSI 1700U Introduction to Entrepreneurship
INFR 1016U Introductory Calculus
INFR 1421U Intro to Networking II
INFR 2140U Object Oriented Programming
General elective*

*General Elective - Students may select any non-INFR course from any faculty, subject to credit restrictions. See course descriptions in Section 16 of the *Undergraduate Academic Calendar and Course Catalogue* for options. The academic calendar link is below.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Faculty of Education

Education (Concurrent)

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*
CSCI 1000U Scientific Computing Tools for students with Biology, Chemistry, or Physics as first teachable **OR** CSCI 1030 Introduction to Computer Science with C++ for students with Computing Science or Mathematics as a first teachable

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

Winter Semester (15 credit hours) – Biology or Chemistry as first teachable
BIOL 1020U Biology II
CHEM 1020U Chemistry II
EDUC 2900U Introduction to Teaching and Field Experience I (10 days)
MATH 1020U Calculus II
PHY 1020U Physics II for students with Chemistry as first teachable **OR** PHY 1040U Physics for Biosciences ** for students with Biology as first teachable

** Students who wish to have Physics as one of their teachable subjects should take PHY 1020U. However, students who achieve a B standing or higher in PHY 1040U will be permitted to proceed to second year physics courses.

Winter Semester (15 credit hours) – Mathematics, Physics or Computing Science as first teachable
BIOL 1020U Biology II OR CHEM 1020U Chemistry II ***
EDUC 2900 Introduction to Teaching and Field Experience I (10 days)
MATH 1020U Calculus II
PHY 1020U Physics II
MATH 2050U Linear Algebra for students with Mathematics or Physics as first teachable **OR** CSCI 2030U Programming Workshop for students with Computing Science as first teachable ****

*** Students who wish to have Biology as one of their teachable subjects should take BIOL 1020U. Students who wish to have Chemistry as one of their teachable subjects should take CHEM 1020U.

**** Students with Computing Science as their first teachable will take MATH 2050U Linear Algebra in the fall semester of second year.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Faculty of Energy Systems and Nuclear Science

Energy Systems Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 3200U Engineering Graphics and Design
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
ENGR 1200U Introduction to Programming
ENVS 1000U Environmental Science
MATH 1020U Calculus II
NUCL 1530U Radiation and Nuclear Technology
PHY 1020U Physics II

Nuclear Engineering

Fall semester (18 credit hours)
COMM 1050U Technical Communications
ENGR 3200U Engineering Graphics and Design
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I
Liberal Studies elective*

Winter semester (18 credit hours)
BIOL 1840U Biology for Engineers **OR** ENVS 1000U Environmental Science
CHEM 1800U Chemistry for Engineers
ENGR 1200U Introduction to Programming
MATH 1020U Calculus II
NUCL 1530U Radiation and Nuclear Technologies
PHY 1020U Physics II

Visit www.nuclear.uoit.ca for a list of liberal studies electives.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Health Physics and Radiation Science

Fall semester (18 credit hours)
CHEM 1010U Chemistry I
COMM 1050U Technical Communications
SSCI 1210U History of Science and Technology
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
BIOL 1840U Biology for Engineers
CHEM 1020U Chemistry II
ENGR 1200U Introduction to Programming
MATH 1020U Calculus II
NUCL 1530U Radiation and Nuclear Technologies
PHY 1020U Physics II

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Faculty of Engineering and Applied Science

Automotive Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 3200U Engineering Graphics and Design
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
SSCI 1470U Impact of Science and Technology on Society
ENGR 1200U Introduction to Programming for Engineers
ENVS 1000U Environmental Science
MATH 1020U Calculus II
PHY 1020U Physics II

Electrical Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 1400U Information Technology for Engineers
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
SSCI 1470U Impact of Science and Technology on Society
ENGR 1200U Introduction to Programming for Engineers
MATH 1020U Calculus II
PHY 1020U Physics II
Liberal Studies elective*

*See page 13 for a list of liberal studies electives.

Manufacturing Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 3200U Engineering Graphics and Design
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
SSCI 1470U Impact of Science and Technology on Society
ENGR 1200U Introduction to Programming for Engineers
ENVS 1000U Environmental Science
MATH 1020U Calculus II
PHY 1020U Physics II

Mechanical Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 3200U Engineering Graphics and Design
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
SSCI 1470U Impact of Science and Technology on Society
ENGR 1200U Introduction to Programming for Engineers
ENVS 1000U Environmental Science
MATH 1020U Calculus II
PHY 1020U Physics II

Software Engineering

Fall semester (15 credit hours)
COMM 1050U Technical Communications
ENGR 1400U Information Technology for Engineers
MATH 1010U Calculus I
MATH 1850U Linear Algebra for Engineers
PHY 1010U Physics I

Winter semester (18 credit hours)
CHEM 1800U Chemistry for Engineers
SSCI 1470U Impact of Science and Technology on Society
ENGR 1200U Introduction to Programming for Engineers
MATH 1020U Calculus II
PHY 1020U Physics II
Liberal Studies elective*

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

***Approved Liberal Studies electives**:

ANTH 2030H Technology and Humanity*
ANTH 2040H Law and Order in Ancient and Contemporary Culture*
CANN 2225T Ontario since 1945: From the “common good” to “common sense”
GEOG 1030H Human Geographies in Global Context*
HIST 1201T Western Civilization from the Middle Ages to 1800*
HIST 1202T Western Civilization from 1800 to the present*
HIST 1701H World History to 1800*
HIST 1702H World History After 1800*
HIST 2101T War and Society*
HIST 2601T Public Health and Medicine*
HIST 2601H Public Health and Medicine*
IDST 1000T Human Inequality in Global Perspective*
PHIL 1002T Introduction to Philosophical Inquiry: Moral and Political Philosophy*
PHIL 1003H Introduction to Philosophy: Knowledge*
PHIL 1004H Informal Logic*
PSYC 1000U Introductory Psychology
PSYC 2010U Developmental Psychology
SOCI 1000U Introductory Sociology
SSCI 1000U Introduction to Criminal Justice
SSCI 1200U Introduction to Social Policy
SSCI 1300U Social Problems
SSCI 2010U Criminal Law
SSCI 2011U Customs and Immigration Law
SSCI 2020U Issues in Diversity
SSCI 2021U Issues in the Family
SSCI 2050U Rights and Freedoms in the Justice System
SSCI 2280U The Information Society
SSCI 2800U Social Theory Foundations
SSCI 2810U Sociological Theories of Crime
SSCI 2820U Psychological Explanations of Criminal Behaviour
WMST 1000T Introduction to Gender- Women’s Studies*

*Offered through Trent University at the University of Ontario Institute of Technology. Not all courses will be offered each year.

Faculty of Health Sciences

Bachelor of Allied Health Science (part-time)

Fall semester (6 credit hours)
HLSC 1701U Academic Writing: Perspectives in Health
HLSC 2700U Mathematical Reasoning in Health Science

Winter semester (6 credit hours)
HLSC 2601U Introduction to Health Management
Elective*

*Suggested electives:
EDUC 4704 Teaching and Learning: Curriculum Design
HLSC 3421 Issues in Women's Health
HLSC 3501 Health Law
HLSC 3630 Health Finance

Health Science (Comprehensive and Health Information Management)

Fall semester (15 credit hours)
BIOL 1010U Biology I
CSCI 1800U Computing Tools for Health Sciences*
HLSC 1200U Anatomy and Physiology I
HLSC 1701U Academic Writing: Perspectives in Health
Elective

Winter semester (15 credit hours)
BIOL 1020U Biology II
HLSC 1201U Anatomy and Physiology II
PSYC 1000U Introductory Psychology
Two electives

*Students looking to pursue more science based courses should take CSCI 1000U Scientific Computing Tools.

Health Science – Kinesiology specialization with Exercise Science option

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1800U Computing Tools for Health Sciences*
HLSC 1200U Anatomy and Physiology I
HLSC 1701U Academic Writing: Perspectives in Health

Winter semester (15 credit hours)
BIOL 1020U Biology II
CHEM 1020U Chemistry II
HLSC 1201U Anatomy and Physiology II
PHY 1810U Physics for Health Science
PSYC 1000U Introductory Psychology

Health Science – Kinesiology specialization with Health and Wellness option

Fall semester (15 credit hours)
BIOL 1010U Biology I
CSCI 1800U Computing Tools for Health Sciences*
HLSC 1200U Anatomy and Physiology I
HLSC 1701U Academic Writing: Perspectives in Health
Open elective

Winter semester (15 credit hours)
HLSC 1201U Anatomy and Physiology II
PHY 1810U Physics for Health Science
PSYC 1000U Introductory Psychology
SOCI 1000U Introductory Sociology
Open elective

Medical Laboratory Science

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
HLSC 1200U Anatomy & Physiology I
HLSC 1701U Academic Writing: Perspectives in Health
Open elective*

Winter semester (15 credit hours)
CHEM 1020U Chemistry II
HLSC 1201U Anatomy and Physiology II
HLSC 2110U Foundations in Clinical and Exercise Biochemistry
HLSC 2030U Theory & Practice of Interpersonal Communication
MATH 1880U Mathematical Modelling for Health Science

*CSCI 1000U Scientific Computing Tools is the recommended elective.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Nursing (Collaborative)

Fall semester (15 credit hours)
HLSC 1200U Anatomy and Physiology I
HLSC 1300U Information and Communication Technology in Health Care
NURS 1002U Introduction to Nursing Praxis
NURS 1003U Foundations for Nursing Practicum I
NURS 1100U Introduction to Health and Healing
NURS 1420U Development of Self as a Nurse I

Winter semester (15 credit hours)
HLSC 1201U Anatomy and Physiology II
NURS 1503U Foundations for Nursing Practicum II
NURS 1700U Health and Healing: Older Adult Nursing Theory and Practicum
NURS 2320U Health Assessment
SOCI 1000U Introductory Sociology

RPN to BScN Program (full-time)

Fall semester (9 credit hours)
HLSC 0880U Science Bridge
NURS 0420U Nursing Bridge
HLSC 1300U Information and Communication Technology in Health Care

Winter semester (15 credit hours)
HLSC 2202U Comprehensive Anatomy & Physiology
HLSC 3601U Managing Health Care Teams
NURS 2820U Comprehensive Pharmacotherapeutics
PSYC 2010U Developmental Psychology
Elective*

* An elective is any university level course that is not a nursing (NURS) course, and that you are eligible to take.

RPN to BScN Program (part-time)

Fall semester (9 credit hours - considered full-time for this one semester)
HLSC 0880U Science Bridge
NURS 0420U Nursing Bridge
HLSC 1300U Information and Communication Technology in Health Care

Winter semester (6 credit hours)
HLSC 2202U Comprehensive Anatomy & Physiology
NURS 2820U Comprehensive Pharmacotherapeutics

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Faculty of Science

Applied and Industrial Mathematics

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II **OR** CHEM 1020U Chemistry IIMATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II
Elective

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Biological Science – All specializations

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1000U Scientific Computing Tools
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II
CHEM 1020U Chemistry II
MATH 1020U Calculus II
PHY 1040U Physics for Biosciences **
Elective ***

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

**Students who wish to take upper year physics courses must take PHY 1010U or PHY 1030U and PHY 1020U. However, students who achieve a B standing or higher in PHY 1040U will be permitted to proceed to higher level physics courses.

*** PSYC 1000U is mandatory for Life Sciences students.
*** CSCI 1030U Intro to Computer Science is recommended for both Environmental Toxicology and Pharmaceutical Biotechnology students.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Chemistry – All specializations

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1000U Scientific Computing Tools
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II
CHEM 1020U Chemistry II
MATH 1020U Calculus II
PHY 1020U Physics II
Elective (MATH 2050U Linear Algebra is recommended)

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Computing Science

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II or CHEM 1020U Chemistry II (for students in the Comprehensive Program or Digital Media Specialization) **OR**
FSCI 1010U Introduction to Forensic Science (ONLY for students in the Digital Forensics Specialization)
CSCI 2030U Programming Workshop
MATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Concurrent Education
See the Faculty of Education (Concurrent)

Forensic Science

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
CSCI 1000U Scientific Computing Tools
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II
CHEM 1020U Chemistry II
FSCI 1010U Introductory Forensic Science
MATH 1020U Calculus II
PHY 1040U Physics for BioSciences **

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

**Students who wish to take upper year physics courses must take PHY 1010U or PHY 1030U and PHY 1020U. However, students who achieve a B standing or higher in PHY 1040U will be permitted to proceed to higher level physics courses.

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advisor.

Physical Science

Fall semester (15 credit hours)
BIOL 1010U Biology I
CHEM 1010U Chemistry I
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*
Elective

Winter semester (15 credit hours)
BIOL 1020U Biology II **OR** CHEM 1020U Chemistry II
MATH 1020U Calculus II
PHY 1020U Physics II
Elective
Elective

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

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Physics – Comprehensive

Fall semester (15 credit hours)
BIOL1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II **or**
CHEM 1020U Chemistry II
MATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II
Elective

Physics – Energy and the Environment

Fall semester (15 credit hours)
BIOL1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL 1020U Biology II
CHEM 1020U Chemistry II
MATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

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Physics– Forensic Physics

Fall semester (15 credit hours)
BIOL1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
CHEM 1020U Chemistry II
FSCI 1010U Introduction to Forensic Science
MATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II

Physics – Medical Physics specialization

Fall semester (15 credit hours)
BIOL1010U Biology I
CHEM 1010U Chemistry I
CSCI 1030U Introduction to Computer Science with C++
MATH 1000U Introductory Calculus **OR** MATH 1010U Calculus I*
PHY 1010U Physics I **OR** PHY 1030U Introductory Physics*

Winter semester (15 credit hours)
BIOL1020U Biology II
CHEM 1020U Chemistry II
MATH 1020U Calculus II
MATH 2050U Linear Algebra
PHY 1020U Physics II

*All students who have completed Grade 12 Advanced Functions (MHF4U) **and** Calculus and Vectors (MCV4U) should take MATH 1010U and PHY 1010U. Students without one of these high school courses or equivalent are directed to take MATH 1000U and PHY 1030U.

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Faculty of Social Science and Humanities

Comprehensive BA in Communication

Fall semester (15 credit hours)
COMM 1100U Introduction to Communication
COMM 1110U Developments in Human Communication
COMM 1310U Fundamentals of Professional Writing
Open elective
Open elective

Winter semester (15 credit hours)
COMM 1220U Reading Our World
COMM 1320U Oral Communication and Public Speaking
COMM 1610U Interpersonal Communication
Open elective
Open elective

Communication with Commerce and Marketing specialization

Same as above except BUSI 1600U Management of the Enterprise in place of one open elective in fall and BUSI 1700U Introduction to Entrepreneurship in place of one open elective in winter.

Communication with Digital Media specialization

Same as comprehensive except CSCI 1200U Computers in Media in place of one Open elective in Fall and CSCI 1030U Introduction to Computer Science in place of one Open elective in Winter.

Communication with Health Sciences specialization

Same as comprehensive.

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Communication with Science & Technology specialization

Fall semester (15 credit hours)
COMM 1100U Introduction to Communication
COMM 1110U Developments in Human Communication
COMM 1310U Fundamentals of Professional Writing
Open elective* or science elective** (BIOL 1010U Biology I: Molecular and Cellular Systems)
Open elective*

Winter semester (15 credit hours)
COMM 1220U Reading Our World
COMM 1320U Oral Communication and Public Speaking
COMM 1610U Interpersonal Communication
Open elective*
Open elective* or Science elective** (BIOL 1020U Biology II: Diversity of Life and Principles of Ecology or BIOL 1840U Biology for Engineers [Students cannot take BIOL 1020U without the pre-requisite of BIOL 1010U])

For year one, 3 open electives and at least 1 science elective should be chosen.

Students should be aware of science pre-requisites and consult with the academic advisor regarding science electives.

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Community Development

Fall semester (15 credit hours)
BUSI 1600U Management of the Enterprise
SSCI 1300U Social Problems
SSCI 1910U Writing for the Social Sciences
PSYC 1000U Introductory Psychology
Elective* (recommended ALSU 1101U Foundations for Learning and Success)

Winter semester (15 credit hours)
COMM 1610U Interpersonal Communication
POSC 1000U Political Science
SOCI 1000U Introductory Sociology
SSCI 1200U Introduction to Social Policy
CDEV 1000U What is Community?

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advising team at SSHadvising@uoit.ca.

Common first year: Criminology and Justice, Legal Studies, Public Policy

Fall semester (15 credit hours)
SSCI 1300U Social Problems
SSCI 1000U Introduction to Criminal Justice
SSCI 1010U Introduction to Canadian Legal System
SSCI 1910U Writing for the Social Sciences
General elective (recommended ALSU 1101U Foundations for Learning and Success)

Winter semester (15 credit hours)
PSYC 1000U Introductory Psychology
SOCI 1000U Introductory Sociology
SSCI 1200U Introduction to Social Policy
POSC 1000U Political Science
General elective

If you have been admitted to upper year standing, please follow the program map for your program that is specified in the current undergraduate calendar at www.uoit.ca/calendar or for further clarification, please consult your academic advising team at SSHadvising@uoit.ca.

Criminology and Justice Bridge

Fall semester *
PYSC 2030U Abnormal Psychology
SSCI 2900U Research Methods

Winter semester *
SSCI 2910U Quantitative Methods
SSCI 2810U Sociological Theories of Crime

* Students may choose to take a general elective in the fall and winter in addition to their bridge courses in order to maintain full-time status.

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Legal Studies Bridge

Fall semester
SSCI 2900U Research Methods
LGLS 2200U Legal Theory
LGLS 2940 Legal Research Methods
LGLS 2100U Public Law

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Forensic Psychology

Fall semester (15 credit hours)
PSYC 1000U Introductory Psychology
SSCI 1000U Introduction to Criminal Justice
SSCI 1910U Writing for the Social Sciences
BIOL 1010U Biology 1
Elective (recommended ALSU 1101U Foundations for Learning and Success)

Winter semester (15 credit hours)
POSC 1000U Political Science
SOCI 1000U Introductory Sociology
SSCI 1010U Introduction to Canadian Legal System
FSCI 1010U Introduction to Forensic Science
Elective