Environmental Science is an interdisciplinary study of complex environmental problems involving the natural world and human impacts. Students can tailor the scientific focus of the program to their own interests, by choosing courses from Geographical and Earth Science perspectives; Biological/Ecological perspectives; and Physical/Chemical perspectives. Fieldwork, experiential learning, and research opportunities are important to the Environmental Science program. Courses on Social and Policy perspectives are also part of the program; no matter which pathway is followed, some courses on Social and Policy Perspectives are required. The premise is that those who will develop our scientific knowledge and technological capacities must also have a basic understanding of environmental management, policy, and the human-environment relationship.

MAKE THE MOST OF YOUR TIME AT UTM!

We want to help you maximize your university experience, so we’ve pulled together information and interesting suggestions to get you started, although there are many more! As you review the chart on the inside pages, note that many of the suggestions need not be restricted to the year they are mentioned. In fact, activities such as joining an academic society, engaging with faculty and seeking opportunities to gain experience should occur in each year of your study at UTM. Read through the chart and create your own plan using My Program Plan found at www.utm.utoronto.ca/program-plans

Programs of Study (POSt)
- Specialist Program ERSPE1061 Environmental Science (Science)
- Major Program ERMAJ1061 Environmental Science (Science)
- Minor Program ERMIN1061 Environmental Science (Science)

Check out...
Ever considered an internship? Apply for JEG400/401Y5 and gain hands-on experience with the City of Mississauga or the Region of Peel.

What can I do with my degree?
The career you choose will depend on your experience and interests. Visit the Career Centre to explore your career options.

Careers for Graduates: Remediation specialist; Conservation officer; Forestry technician; Hazardous Waste planner; Outdoor Guide; Wildlife technician; Wetlands conservation supervisor; Conservation education coordinator; Environmental risk/impact assessor; Recycling coordinator; Forester; Environmental consultant; Activist; Lobbyist.

Workplaces: Waste Management; Private industry including utilities, construction, energy; Environmental planning; Government; Communications; Transportation; Scientific research groups; Architecture or surveying companies; Forestry; Mining.
# HOW TO USE THIS PROGRAM PLAN

Read through each year. Investigate what appeals to you here and in any other Program Plans that apply to you. Visit [www.utm.utoronto.ca/program-plans](http://www.utm.utoronto.ca/program-plans) to create your own plan using My Program Plan. Update your plan yearly.

## ENVIRONMENTAL SCIENCE

### MAJOR Program Plan

#### 1ST YEAR
- **Enrol in ENV100Y5.** Attain 2.0 credits in Quantitative and Basic Scientific Foundation. View the Academic Calendar for course options.
- **Choose a program of study (Subject POSt) once you complete 4.0 credits.** Use the Degree Explorer Planner and the Academic Calendar to plan your degree.
- **Start strong and get informed with utmONE and LAUNCH through the Centre for Student Engagement (CSE).** Join a RGASC Peer Peer Facilitated Study Group.

#### 2ND YEAR
- **Enrol in ENV201H5.** Attain 0.5 credits in Biological & Ecological Perspectives, 1.0 credits in Geographical, Physical & Chemical Perspectives and 0.5 credits in Social, Economic & Policy Perspectives. View the Academic Calendar.
- **Consider applying for Research Opportunity Program (ROP) courses ENV299Y and ENV399Y.** Visit the EEU website for ROP Course Prerequisites. Attend the RGASC’s P.A.R.T. to enhance your research skills.

#### 3RD YEAR
- **Enrol in EN330H5.** Attain 0.5 credits in Field, Project-Based & Research Perspectives, 1.0 credits in Biogeochemical Perspectives and 0.5 credits in Social, Economic Policy Perspectives. View the Academic Calendar.
- **Throughout your undergraduate degree:**
  - Use the Degree Explorer to ensure you complete your degree and program requirements.
  - See the Office of the Registrar and the Environment Programs Academic Counsellor.

#### 4TH OR FINAL YEAR
- **Gain practical experience through ENV332H5, a practicum in Environmental project management.** Learn field techniques in Haliburton forest with GGR379H5. Speak to the Environment Programs Academic Counsellor.
- **Skills are transferable to any job regardless of where you develop them.** Consider a practical work-based experience through the internship course JEG400/401Y5. Speak to the Environment Programs Academic Counsellor.

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*Consult the Academic Calendar for greater detail on course requirements, program notes and degree requirements.*

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Visit [www.utm.utoronto.ca/program-plans](http://www.utm.utoronto.ca/program-plans) for the online version and links.

Revised on: 5/31/2018
Skills developed in Environmental Science

To be competitive in the job market, it is essential that you can explain your skills to an employer. Visit the Career Centre to learn how to articulate and market the following skills:

**Research**: collect and preserve field organisms as well as utilize logical reasoning to interpret results/data derived from scientific experimentation.

**Technical**: use computer to manipulate and display data and comply with quality control procedures while conducting experiments.

**Quantitative**: apply statistical packages to data to test for significance.

**Communication**: support scientific findings by writing literature reviews of journal articles, and interact professionally with a multidisciplinary team of researchers, technicians, students and professors.

Get involved

Check out the 100+ student organizations on campus. Here are a few:

- Student Association for Geography and Environment (SAGE)
- UTM Student Union (UTMSU)
- UTM Athletics Council (UTMAC)

For a listing of clubs on campus visit [www.utm.utoronto.ca/clubs](http://www.utm.utoronto.ca/clubs).

Services that support you

- Accessibility Services (AS)
- Career Centre (CC)
- Centre for Student Engagement (CSE)
- Experiential Education Unit (EEU)
- Health & Counselling Centre (HCC)
- Indigenous Centre (IC)
- International Education Centre (IEC)
- Office of the Registrar (OR)
- Recreation, Athletics and Wellness Centre (RAWC)
- Robert Gillespie Academic Skills Centre (RGASC)
- UTM Library, Hazel McCallion Academic Learning Centre (HMALC)

Department of Geography

William G. Davis Building, Rm 3282
University of Toronto Mississauga
3359 Mississauga Rd
Mississauga ON Canada L5L 1C6
sabrina.ferrari@utoronto.ca
[www.utm.utoronto.ca/geography](http://www.utm.utoronto.ca/geography)

FUTURE STUDENTS

Admission to UTM

All program areas require an Ontario Secondary School Diploma, or equivalent, with six Grade 12 U/M courses, or equivalent, including English. The admission average is calculated with English plus the next best five courses. The Grade 12 prerequisites for this program are Advanced Functions, Biology and Chemistry or Physics. The approximate average required for admission is mid- to high-70s. More information is available at [utm.utoronto.ca/viewbook](http://utm.utoronto.ca/viewbook).

NOTE: During the application process, applicants will select the Chemical & Physical Sciences admissions category, but will not officially be admitted to a formal program of study (Specialist, Major, and/or Minor) until after first year.

Sneak Peek

Abundant opportunities are available for students to become involved in environmental practice, research and fieldwork (e.g., ENV299Y5 Research Opportunity Program, ENV332H5 Environmental Sustainability Practicum, and ENV497H5 Environmental Research Project). Students may also have the opportunity to complete a practical work placement course related to their specific area of interest (JEG400/401Y5 Environmental Geography Internship).

Our curriculum stresses the integrative nature of the study of the environment. Environment faculty members encourage students to become involved in critical thinking, cross-disciplinary collaboration, and the application of concepts to real-life problems.

Student Recruitment & Admissions

Innovation Complex, Room 1270
University of Toronto Mississauga
3359 Mississauga Rd
Mississauga ON Canada L5L 1C6
905-828-5400
[www.utm.utoronto.ca/future-students](http://www.utm.utoronto.ca/future-students)