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. 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 ERSPE0509 Geology (Science)

Check out...

Why not interpret ancient geological environments? Enrol in ERS325H5, a Field Camp held on the north shore of Lake Huron. Dive into the evolutionary history of the world’s oceans in ERS312HS. Discover how oceans have come to cover approximately 70 percent of the Earth’s surface through the study of the geological and geophysical processes that form and shape ocean basins and continental margins.

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: Mine geologist; Geological technician; Minerals processing technician; Exploration geologist; Climatologist; Survey technician; Geologist; Hydrologist; Environmental technician; Surveyor; Paleontologist; Cartographer.

Workplaces: Mineral and hydrocarbon sector; Environmental sector; Government; Financial institutions; Academic institutions; National/provincial parks.
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 to create your own plan using My Program Plan. Update your plan yearly.

1ST YEAR
Enrol in courses (CHM110H5, 120H5); EN (100Y5/ (ERS103H5, 120H5); MATH135Y5/ 137Y5/ 137Y5 and (PHY136H5, 137H5)/ 146H5, 147H5).
Choose a program of study (Subject POS) 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 Office of Student Transition. Join a RGASC Peer Facilitated Study Group.

2ND YEAR
Enrol in course (ERS201H5, 202H5, 203H5). Attain 0.5 credits from GGR217H5/ 214H5/ BIO356H5/ ESS261H1(G)/ 1.0 credit from CHM211H5/ 231H5/ ESS211H1(G)/ JCP221H5; and 1.0 credit from MAT211H5/ 223H5/ STA202H5/ 221H5.
Consider applying for Research Opportunity Program (ROP) courses ERS299Y, ERS399Y and ERS499Y. Visit the EEO website for ROP Course Prerequisites. Attend the RGASC’s P.A.R.T. to enhance your research skills.

3RD YEAR
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 CPS Academic Counsellor.

4TH OR FINAL YEAR
Enrol in ESS420H1(G). Attain 3.0 credits from 400 level courses in ERS or ESS(G) or (UCB487Y5/ ERS398H5).
What is Experiential Education? It means learn by doing! Enrol in a course with hands on experience such as ERS419H5 which includes weekly field trips. Speak to the CPS Academic Counsellor to learn more.
Log on to ACORN and request graduation.

Explore your interests. Interested in engaging with Traditional Aboriginal cultures? Take part in the Waawaahte Northern Lights Initiative through the Centre for Student Engagement.

Skills are transferable to any job regardless of where you develop them. Need to strengthen your collaboration skills? Consider a role as a Green Ambassador with the Environmental Affairs Office.

Establish a professional presence on social media (e.g., LinkedIn).
Attend a lecture presented by the E.A. Robinson Science Education Lectureship through the CPS department.

Go to the Prospectors & Developers Association of Canada (PDAC) Convention.

Earn credits overseas! Study for a summer, term or year at one of 120 universities. The CPS department has identified 9 partners which are most relevant to our students. Speak to the IEC for details about Course Based Exchange and funding.

Why not work abroad? Read up on worldwide employment trends and industry outlooks through GoinGlobal. Attend the Go Global Expo. See if you are eligible for International Experience Canada.

What’s your next step after undergrad?

Consider further education? Research application requirements, prepare for admission tests (LSAT, GMAT), and research funding options (OGS, NSERC).

Market your skills to employers. Get your resume critiqued at the CC. Attend the CC workshop Now That I’m Graduating What’s Next?
Write a strong application for further education. Attend the CC’s Mastering the Personal Statement workshop.

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

Visit www.utm.utoronto.ca/program-plans for the online version and links.

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Skills developed in Geology

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.

Communication: read, critically evaluate and produce professional papers and geologic maps.

Investigative: knowledge of the origin, composition, and evolution of the Earth, and how the Earth system responds to internal and external forces, as well as understand spatial data and temporal geologic change.

Technical: identify, describe and classify earth materials and structures, as well as analyze quantitative geologic data.

Critical thinking & problem-solving: recognize bias and incompleteness in the geologic record; apply physics, chemistry, biology, statistics and mathematics to solve geologic problems; and apply geoscience knowledge to address problems affecting society.

Get involved

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

- J. Tuzo Wilson Club
- Erindale Chemical and Physical Sciences Society (ECPS)
- UTM Student Union (UTMSU)
- UTM Athletics Council (UTMAC)

For a listing of clubs on campus visit www.utm.utoronto.ca/clubs.

Department of Chemical & Physical Sciences

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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, Chemistry and Physics. The approximate average required for admission is mid- to high-70s. More information is available at 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

How many different types of rocks can be found in and on the Earth? Find out in ERS203H5! Curious about the materials that form the Earth? Get excited about ERS201H5. The course includes an optional field trip to the Algonquin-Bancroft area of eastern Ontario.

Our students use satellite imagery equipment and state-of-the-art computers and software in the GIS laboratory. We also have an active weather station on campus monitoring local weather conditions. Students can run their own projects related to weather monitoring using the latest data logging instruments. We think that the wonderful opportunities and support in our department will make your degree in Geology a meaningful and valuable learning experience.

Student Recruitment & Admissions

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