



UNIVERSITY OF
TORONTO
MISSISSAUGA

INSTITUTE OF FORENSIC SCIENCES



utm.utoronto.ca/forensic

WHY CHOOSE UTM FOR FORENSIC SCIENCE?

Our courses are taught by forensic and criminal science professionals who bring their own expertise and unique field experience to the classroom. Our faculty consists of highly trained individuals including:



Dr. Tracy Rogers, Forensic Anthropology, is best known for her work as the lead forensic anthropologist at Canada's largest crime scene, the Pickton pig farm investigation, as well as several other high profile investigations in which her students were given opportunities to contribute. Dr. Rogers is also a forensic consultant for the Ontario Forensic Pathology Service, and the Office of the Chief Coroner of Ontario.



Dr. Vivienne Luk, Forensic Chemistry, came to UTM from the Centre of Forensic Sciences in Toronto, where she worked as a Forensic Toxicologist. She analyzed biological samples for the presence of drugs, alcohol and poisons and interpreted toxicological findings for the purposes of medical and legal investigations, with court experience as an expert witness in impaired driving cases, homicides and sexual assaults.



Dr. Karen Woodall, Forensic Toxicology, comes to UTM from the Centre of Forensic Sciences in Toronto, as a forensic toxicologist, teaching the forensic toxicology and professionalism courses. Her current research topics include deaths due to fentanyl abuse and the role of drugs in motor vehicle fatalities. She also regularly provides lectures and training to police officers in the role of forensic toxicology in various criminal investigations.



Dr. Christina Lamparter, Forensic Toxicology, is a practicing forensic toxicologist with experience in non-criminal and criminal toxicology casework, expert testimony in forensic toxicology for criminal and non-criminal cases, as well as client and scientist training. Her active networks include the Centre of Forensic Sciences, the Toronto Drug Checking group, the Ontario Forensic Pathology Service and Health Canada Drug Analysis Service.



Dr. Rasmus Rosenberg Larsen, Forensic Epistemology, holds a Ph.D. in philosophy from University at Buffalo, New York, focusing on mental health research, moral psychology, and biomedical ontology. His current project involves studies of the theoretical validity of clinical construct, and psychopathy as a mental disease. Rasmus can be found teaching topics regarding the psychology of violence and antisocial conduct as well as foundational philosophical and scientific issues in mental health research.



Dr. Sonya McLaren, Forensic Psychology, completed her PhD in Forensic Psychology with a concentration in quantitative methodology at Carleton University. Dr. McLaren's research interests include parole decision-making, offender change and rehabilitation, and offender risk assessment.

EDUCATION THROUGH EXPERIENCE

The Forensic Anthropology Field School allows students to work in teams and to put themselves in the place of a forensic anthropologist where they learn to search and locate a "missing person" buried on campus. Students learn to map and record the scene, collecting evidence to reconstruct activity relating to the death and deposition of the victim.

The Forensic Identification Field School allows students to experience practical exposure to field and laboratory methods related to evidence recognition, collection, and interpretation. Students work in teams putting themselves in the place of a forensic identification specialist when they are called in to process the "crime scene" that has taken place in the **Forensic Crime Scene House** located on campus. Students must document, collect, process, and analyze the various types of evidence found at the scene.

Experiential Opportunities are available to all students enrolled in one of the Forensic Science Specialist programs. As Canada's first Honours BSc degree program in Forensic Science, UTM has developed well-established partnerships over the past twenty years with organizations such as the Centre of Forensic Sciences, the Office of the Chief Coroner for the Province of Ontario, the Ontario Provincial Police, the RCMP, and numerous other police services and agencies worldwide. In their senior year, students may choose one of four experiential capstones to prepare them for their next step into the workplace, including mentor paired research, collaborative team research, advanced field opportunities, and more.

The Forensic Outreach Program gives our students a chance to engage with the wider community in meaningful ways during their time at UTM. Using the skills and techniques they learn in class, student volunteers **facilitate workshops and educational activities** for the public, high schoolers, teachers and adults interested in forensic science. This program gives undergraduate students a chance to practice their presentation and teaching skills in preparation for further academic and professional careers.



The UTM Forensics Society (IVNVI) is a strong support environment for undergraduate students. IVNVI is an active UTM society that offers workshops on academic skills, program application information sessions, firearms licensing, and organizes trips to Canadian and international forensic science conferences. For more information, visit: utmforensicsociety.wixsite.com/ivnvi



HOW DO I OBTAIN AN HONOURS BSc DEGREE IN FORENSIC SCIENCE?

Contributing to the completion of your Honours Bachelor of Science degree, you can choose from **two** Forensic Science program options:

OPTION 1) THE FORENSIC SCIENCE MAJOR (ERMAJ0205)

This Major Program can only be completed as part of a **Double Major Honours BSc Degree**, therefore, the Forensic Science Major requirements **MUST** be completed together with the second science major requirements (preapproved second science Majors are: Biology, Chemistry, Anthropology, Psychology).

9.0 credits are required to complete this program, including at least 2.0 at the 300/400 level. Please refer to the UTM calendar at: <https://utm.calendar.utoronto.ca/section/Forensic-Sciences> for complete listings of required courses needed for completion of the various approved 2nd science major programs listed below:

- Anthropology Major Program (ERMAJ0105)
- Biology Major Program (ERMAJ2364)
- Chemistry Major Program (ERMAJ1376)
- Psychology Major Program (ERMAJ1160)

OPTION 2) FORENSIC SCIENCE SPECIALIST PROGRAMS

In selecting a Specialist program type option, the program course requirements for ONE of the following Forensics Science Specialist Programs below needs to be completed. Please refer to the UTM calendar for full program requirements listed for each individual Forensic Science Specialist Program below: <https://utm.calendar.utoronto.ca/section/Forensic-Sciences>

- Anthropology Specialist Program (ERSPE1338)
- Biology Specialist Program (ERSPE1410)
- Chemistry Specialist Program (ERSPE1009)
- Psychology Specialist Program (ERSPE1505)

WHAT HIGH SCHOOL PREPARATION IS NEEDED?

Students need six Grade 12U/M courses including Grade 12U English. This refers to courses from the Ontario curriculum. We will accept equivalent courses from other academic systems. For more details, visit the Admissions website: <https://www.utm.utoronto.ca/future-students/admissions>

Include the following for **Forensic Anthropology Specialist**:



- Grade 12 Biology (SBI4U)
- Grade 12 Advanced Functions (MHF4U)

Include the following for the **Forensic Psychology Specialist**:



- Grade 12 Biology (SBI4U)
- Grade 12 Advanced Functions (MHF4U)

Include the following for **Forensic Biology Specialist**; **Forensic Chemistry Specialist** and the **Forensic Science Double Major**:



- Grade 12 Biology (SBI4U)
- Grade 12 Chemistry (SCH4U)
- Grade 12 Advanced Functions (MHF4U)



*In addition to the above, Grade 12 **Calculus (MCV4U)** and **Physics (SPH4U)** is **highly recommended** for success in the chemistry and biology specialist.*

WHAT COURSES ARE TAKEN IN FIRST YEAR UNIVERSITY?



FORENSIC SCIENCE (DOUBLE) MAJOR (ERMAJ0205)

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING REQUIREMENTS

1. Completion of 4.0 credits; including 3.0 science credits.
2. Completion of FSC239Y5 (Introduction to Forensic Science) with a grade of 70% or better in their **first attempt**. Subsequent attempts will count for credit only, not degree admission.
3. Completion of CHM110H5, CHM120H5 with 65% or better.
4. Completion of (MAT132H5, MAT134H5) or (MAT135H5, MAT136H5).
5. Completion of PHY136H5.
6. A minimum Cumulative Grade Point Average (CGPA) of at least 2.7.
7. Enrolment in an Approved **Second Major (see below)**.

First year courses required for **graduation**, but not degree entry, include BIO152H5 and BIO153H5. Students are also strongly encouraged to enrol in ISP100H5: Writing for University and Beyond.

At least 8.5 total credits from Forensic Science are required to graduate with this minor degree.

SECOND MAJOR OPTIONS: 1ST YEAR REQUIRED COURSES

In addition to the following 1st year courses required for the FSc Major Program, students must also complete the 1st year course requirements for the student's intended **Second Major Program** (see below).



Students wanting **Anthropology (BSc)** as their Second Major should also include:

- ANT101H5** Intro to Biological Anthropology & Archaeology
- ANT102H5** Intro to Sociocultural & Linguistic Anthropology
- ISP100H5** Writing for University and Beyond



Students wanting **Chemistry** as their Second Major should also include:

- BIO152H5** Intro to Evolution and Evolutionary Genetics
- BIO153H5** Diversity of Organisms (recommended)
- ISP100H5** Writing for University and Beyond



Students wanting **Biology** as their Second Major should also include:

- BIO152H5** Intro to Evolution & Evolutionary Genetics
- BIO153H5** Diversity of Organisms
- ISP100H5** Writing for University and Beyond



Students wanting **Psychology** as their Second Major should also include:

- PSY100Y5** Introductory Psychology
- BIO152H5** Intro to Evolution & Evolutionary Genetics
- BIO153H5** Diversity of Organisms
- ISP100H5** Writing for University and Beyond

FORENSIC SCIENCE MINOR (ERMIN0205)

A minor program that can be taken in combination with **any other specialist or major program** including from the Social Sciences and Humanities. This program will complement degrees in criminology, sociology, geography, political science, and any other field that intersects with the legal system. Students will learn forensic theory and at least one applied skill set through lectures and labs.

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING REQUIREMENTS

1. FSC239Y5 Introduction to Forensic Science. A final grade of 75% is required

At least 4.0 total credits from Forensic Science are required to graduate with this minor degree.

WHAT COURSES ARE TAKEN IN FIRST YEAR UNIVERSITY



FORENSIC ANTHROPOLOGY SPECIALIST PROGRAM (ERSPE1338)

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING FIRST YEAR REQUIREMENTS

1. Completion of 4.0 credits; including 3.0 science credits.
2. Completion of FSC239Y5 (Introduction to Forensic Science) with a grade of 70% or better in their **first attempt**.
Subsequent attempts will count for credit only, not degree admission.
3. Completion of ANT101H5, ANT102H5 each with a grade of 75% or higher
4. Completion of BIO152H5, BIO153H5 each with a grade of 65% or higher
5. A minimum Cumulative Grade Point Average of at least 3.2

The actual minimum CGPA varies from year to year but is never lower than 3.2

Students are also strongly encouraged to enrol in ISP100H5: Writing for University and Beyond.

At least 15.5 total credits are required to graduate from this program.



FORENSIC BIOLOGY SPECIALIST PROGRAM (ERSPE1410)

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING FIRST YEAR REQUIREMENTS

1. Completion of 4.0 credits; including 3.0 science credits.
2. Completion of FSC239Y5 (Introduction to Forensic Science) with a grade of 70% or better in their **first attempt**.
Subsequent attempts will count for credit only, not degree admission.
3. Completion of BIO152H5, BIO153H5 each with a grade of 75% or higher.
4. Completion of CHM110H5, CHM120H5 each with a grade of 65% or higher.
5. Completion of (MAT132H5, MAT134H5) or (MAT135H5, MAT136H5).
6. Completion of PHY136H5.
5. A minimum Cumulative Grade Point Average of at least 3.2

The actual minimum CGPA varies from year to year but is never lower than 3.2

Students are also strongly encouraged to enrol in ISP100H5: Writing for University and Beyond.

At least 15.5 total credits are required to graduate from this program.

FOR FORENSIC SCIENCE SPECIALIST PROGRAMS?



FORENSIC CHEMISTRY SPECIALIST PROGRAM (ERSPE1009)

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING FIRST YEAR REQUIREMENTS

1. Completion of 4.0 credits; including 3.0 science credits.
2. Completion of FSC239Y5 (Introduction to Forensic Science) with a grade of 70% or better in their **first attempt**.
Subsequent attempts will count for credit only, not degree admission.
3. Completion of CHM110H5, CHM120H5 each with a grade of 65% or higher.
4. Completion of (MAT132H5, MAT134H5) or (MAT135H5, MAT136H5).
5. Completion of PHY136H5.
6. A minimum Cumulative Grade Point Average of at least 3.2
The actual minimum CGPA requirement varies from year to year but is never lower than 3.2

First year courses required for **graduation**, but not degree entry, include BIO152H5, BIO153H5 and PHY137H5. Students are also strongly encouraged to enrol in ISP100H5: Writing for University and Beyond.

At least 16.5 total credits are required to graduate from this program.



FORENSIC PSYCHOLOGY SPECIALIST PROGRAM (ERSPE1505)

TO ADVANCE TO SECOND YEAR, STUDENTS MUST MEET THE FOLLOWING FIRST YEAR REQUIREMENTS

1. Completion of 4.0 credits; including 3.0 science credits.
2. Completion of FSC239Y5 (Introduction to Forensic Science) with a grade of 70% or better in their **first attempt**.
Subsequent attempts will count for credit only, not degree admission.
3. Completion of PSY100Y5 with a grade of 75% or higher.
4. Completion of BIO152H5, BIO153H5 with a grade of 65% or higher.
5. A minimum Cumulative Grade Point Average of at least 3.2
The actual minimum CGPA requirement varies from year to year but is never lower than 3.2

Students are also strongly encouraged to enrol in ISP100H5: Writing for University and Beyond.

At least 15.0 total credits are required to graduate from this program.

WHAT COMES NEXT? LIFE AFTER GRADUATION



Forensic Science 2025 graduates standing with Murray Clayton (Program Officer), Dr. Karen Woodall (Associate Professor, Forensic Toxicology), Dr. Tracy Rogers (Associate Professor, Forensic Anthropology), and Det. Wade Knaap (Assistant Professor, Forensic Identification).

The Institute for Forensic Sciences prepares students for graduate programs in [Anthropology](#), [Biology](#), [Biotechnology](#), [Chemistry](#), [Molecular Biology](#), [Psychology](#), or [Toxicology](#). Alternatively, graduates may enter professional programs, subsequently establishing successful careers in medicine, law enforcement (either as civilians or sworn police officers), forensic laboratory science, forensic consulting, law, and a wide range of related fields.

For more information, visit the forensic science alumni webpage '[Where Are They Now?](#)' to get an idea of where our graduates are hired, what they are doing, and their achievements.

RECENT ALUMNI HIGHLIGHT utm.utoronto.ca/forensic/alumni



Jeremy Goslin, HBA. Specialty in Forensic Psychology (2025)

Having completed his Specialist Degree in Forensic Psychology, Jeremy is now currently a Program Facilitator at the Youthlink Calgary Police Interpretive Centre in Alberta. He works closely with the Calgary Police Service to bring knowledge to the public on topics such as policing and forensic science. Volunteering with the UTM Forensic Science Outreach Program has given Jeremy many core skills required for this job, including preparation for the application and interviews.

According to Jeremy, choosing forensic science allowed him to give back to the community, reaching youth at risk, and inspire new generations to consider the many applications of science to the legal system.