

# FORENSIC SCIENCE (HBSc)

*Department of Forensic Science*

**Forensic Science** the study of physical evidence in a modern legal context. It is best defined as “science in service to the courts.” UTM’s Forensic Science program, the first of its kind in Canada, is designed to provide students with an understanding of scientific analyses, theories, laboratory skills, applications, and field techniques — while allowing the student to emphasize one particular area in greater detail.

We have developed well-established partnerships with organizations including 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.

## 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](http://www.utm.utoronto.ca/program-plans)

### Programs of Study (POSt)

- Major Program ERMAJ0205 Forensic Science (Science)
- Minor Program ERMIN0205 Forensic Science

### Check out...

How much can we learn from the body of a crime scene? Take FSC316H5 and find out about autopsy, fingerprinting, and forensic imaging of the deceased. Learn forensic field techniques! Take FSC407H5 to collect, process and analyze evidence found at a “crime scene” in the UTM Forensic Science Crime Scene House.

### 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:** Coroner; Forensics scientist; Operations research analyst; Ballistics analyst; Computer-related crime investigator; Image enhancement specialist; Polygraph examiner; Speech scientist; Forensic accountant.

**Workplaces:** Government; Forensic laboratories; Medical examiners/coroner offices; Hospitals; Toxicology Laboratories; Police departments; Insurance companies.



# FORENSIC SCIENCE

## SPECIALIST Program Plan

## 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.



	1 <sup>ST</sup> YEAR	2 <sup>ND</sup> YEAR
PLAN YOUR ACADEMICS*	<p>Enrol in courses CHM110H5, CHM120H5; FSC239Y5; MAT134Y5/ 135Y5/ 137Y5/ 157Y5; PHY136H5 and 137H5.</p> <p>Choose a program of study (Subject POST) once you complete 4.0 credits. Use the <b>Degree Explorer Planner</b> and the <b>Academic Calendar</b> to plan your degree.</p> <p>Start strong and get informed with <b>utmONE</b> and <b>LAUNCH</b> through the Office of Student Transition. Join a <b>RGASC Peer Facilitated Study Group</b>.</p>	<p>Enrol in courses CHM242H5, CHM243H5 and FSC271H5.</p> <p>Consider applying for the <b>Research Opportunity Program (ROP)</b> course FSC299Y. Visit the EEO website for <b>ROP Course Prerequisites</b>. Attend the RGASC's <b>P.A.R.T.</b> to enhance your research skills.</p>
BUILD SKILLS	<p>Use the <b>Co-Curricular Record (CCR)</b>. Search for opportunities beyond the classroom, and keep track of your accomplishments.</p> <p>Attend the <b>Get Experience Fair</b> through the Career Centre (CC) to learn about on- and off-campus opportunities.</p>	<p>Use the <b>Career Learning Network (CLN)</b> to find postings for on- and off-campus work and volunteer opportunities.</p> <p>Work on-campus through the <b>Work-Study program</b>. View position descriptions on the CLN.</p>
BUILD A NETWORK	<p>Networking simply means talking to people and developing relationships with them. Start by joining the <b>UTM Forensics Society (IVNVI)</b>. Find them on Facebook and follow them @utmforensics on Twitter. Go to IVNVI's <b>Meet the Prof Night</b>.</p> <p>Visit the UTM Library <b>Reference Desk</b>.</p>	<p>Do you have a professor you really like or connect with? Ask them a question during office hours. Discuss an assignment. Go over lecture material. Don't be shy! Learn <b>Tips On How to Approach a Professor</b> available through the Experiential Education Office (EEO).</p>
BUILD A GLOBAL MINDSET	<p>Attend events held by the <b>International Education Centre (IEC)</b> to explore different cultures through food, music, and sport or through sight-seeing around the GTA.</p>	<p>Embark on a <b>UTM Abroad Co-Curricular Experience</b> through the IEC. Take advantage of this opportunity to travel with a faculty member and learn about a topic of interest in a unique location.</p> <p>Prefer traveling in Canada? Check out the IEC's <b>UTM Across Canada</b> program.</p>
PLAN FOR YOUR FUTURE	<p>Attend the <b>Program Selection &amp; Career Options</b> workshop offered by the Office of the Registrar and the CC.</p> <p>Check out <b>Careers by Major</b> at the CC to see potential career options.</p>	<p>Explore careers through the CC's <b>Extern Job Shadowing Program</b>.</p> <p>Considering <b>further education</b>? Attend the CC's <b>Graduate and Professional Schools Fair</b>. Talk to professors – they are potential mentors and references.</p>

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

3 <sup>RD</sup> YEAR	4 <sup>TH</sup> OR FINAL YEAR
<p>Enrol in FSC360H5 and STA215H5/STA220H5.</p> <p>Throughout your undergraduate degree:</p> <ul style="list-style-type: none"> <li>use the <b>Degree Explorer</b> to ensure you complete your degree and program requirements.</li> <li>see the <b>Office of the Registrar</b> and the <b>Forensic Science Academic Advisor</b> for assistance.</li> </ul>	<p>Attain 2.5 credits from courses FSC300H5, 302H5, 311H5, 315H5, 316H5, 350H5, 401H5, 402H5, 406H5, 407H5, and 489H5.</p> <p>Do you want to complete original research, a feasibility study, critical review of the literature or position paper leading towards a publishable report? Then sign up for FSC489H5.</p> <p>Log on to ACORN and request graduation.</p>
<p>Explore your interests. Why not pass on your passion for science? Be a <b>UTM Let's Talk Science Outreach volunteer</b> where you create your own STEM activities and take charge of special events and programs.</p>	<p>Skills are transferrable to any job regardless of where you develop them. Learn techniques forensic scientists use in the field! Collect, process, and analyze evidence found at a "crime scene" through FSC407H5. Speak to the <b>Forensic Science Academic Advisor</b>.</p>
<p>Establish a professional presence on social media (e.g., LinkedIn).</p> <p>Learn about local issues! Consider a CSE <b>Alternative Reading Week (ARW)</b> to be involved in social change and community development</p>	<p>Join a professional association. Check out the <b>Canadian Society of Forensic Science</b>.</p> <p>Go to a conference such as the <b>Forensic Training Conference</b> presented by the Toronto Police Service.</p>
<p>Earn credits overseas! Study for a summer, term or year at one of 120 universities. The Forensic Science department has identified 4 partners who are most relevant to their students. Speak to the <b>IEC</b> for details about <b>Course Based Exchange</b> and funding.</p>	<p>Why not work abroad? Read up on worldwide employment trends and industry outlooks through <b>GoInGlobal</b>. Attend the <b>Go Global Expo</b> to learn about opportunities. See if you are eligible for <b>International Experience Canada</b>.</p>
<p>What's your next step after undergrad?</p> <p>Entering the workforce? Evaluate your career options through a CC <b>Career Counselling appointment</b>. Create a job search strategy - book a CC <b>Employment Strategies appointment</b>.</p> <p>Considering further education? Research application requirements, prepare for admission tests (LSAT, MCAT), and research funding options (OGS, SSHRC)</p>	<p>Market your skills to employers. Get your <b>resume critiqued</b> at the CC. Attend the CC workshop <b>Now That I'm Graduating What's Next?</b></p> <p>Write a strong application for further education. Attend the CC's <b>Mastering the Personal Statement workshop</b>.</p>

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

# FORENSIC SCIENCE

## Skills developed in Forensic 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:

**Technical:** make and record accurate measurements; make observations, draw diagrams and take photographs; crime scene investigation; and use statistical tests.

**Communication:** report writing; verbal testimony; understanding of cultural diversity; translate scientific evidence; and analyze and present data.

**Organizational:** casework; teamwork; and understanding legal issues related to evidence.

**Problem-solving:** identify alternative solutions and interpret lab findings.

**Research:** draw conclusions based on the evidence obtained and communicate results of investigative work through proper channels based on the conclusions drawn.

## Get involved

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

- UTM Forensics Society (IVNVI)
- 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

- AccessAbility Services (AS)
- Career Centre (CC)
- Centre for Student Engagement (CSE)
- Experiential Education Office (EEO)
- Health & Counselling Centre (HCC)
- Indigenous Centre (IC)
- International Education Centre (IEC)
- Office of Student Transition (OST)
- 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 Forensic Science

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905-569-4423  
[www.utm.utoronto.ca/forensic](http://www.utm.utoronto.ca/forensic)

## 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, Chemistry and 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 Forensic Science 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

What is the role of a coroner? Take FSC239Y to find out about crime scene investigation, the role of the expert witness, forensic pathology, forensic chemistry, forensic botany, forensic entomology, forensic anthropology, forensic dentistry, psychology and toxicology.

Our courses provide students the opportunity to learn about all aspects of forensic science in the classroom and to apply their knowledge to practical assignments using state-of-the-art technology and instruments. Courses are taught by professionals who bring their own expertise and unique field experience to the classroom.

### 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)

