

FORENSIC SCIENCE

Experience Map



PROMISE
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University
of Windsor

FORENSIC SCIENCE

FORENSICS COMBINED PROGRAMS

EXPERIENCE.UWINDSOR.CA

FORENSIC SCIENCE

SKILLS AND KNOWLEDGE OF FORENSIC SCIENCE GRADUATES

PROGRAM HIGHLIGHTS

- **Forensic Science** – In our Forensic Science programs, you'll learn how to use science to analyze evidence and solve crimes in the field. Topics include reporting and presenting forensic evidence in courts, aspects of law, criminality, judicial systems, and the importance of high ethical standards in forensic investigations. Concentrations in Molecular Biology/Biochemistry, Biology and Chemistry.
- **B.A. in Forensics** – You'll develop a background of forensic science with an interdisciplinary focus in the social sciences or humanities. It's ideal if you'd like a career in the social sciences, law (with additional studies), policing (including pattern evidence forensics), or social justice.

FUNCTIONAL KNOWLEDGE

- Appropriately handling, packaging, and recording relevant details of crime scene artifacts
- Taking careful original measurements based on established practices and regulations
- Operating advanced scientific laboratory equipment and instruments, implementing appropriate techniques for studying material evidence
- Understanding chemical/molecular/biological properties in terms of their relevance to forensic science
- Integrating the law and specific sciences with an emphasis on adhering to stringent ethical standards
- Understanding legal structures and the organization of the criminal justice system from historical, sociological, and legal perspectives

CURRICULUM

Courses of study specific to each program



CO-CURRICULAR

Activities and experiences that complement coursework

(Outstanding Scholars, STEPS workshops, peer mentoring, VIP)

EXTRACURRICULAR

Activities falling outside of the scope of set curriculum (Part-time job, clubs, volunteering, athletics)

BUILD YOUR SKILLS AND EXPERIENCE

Your UWindsor experience is more than attending classes. It is a combination of academics, co-curricular activities, and extracurricular involvement. By making the most of all three elements of your university experience, you will maximize your opportunities to build your skills, broaden your personal network, and clarify your long term academic and career goals.

CAREER PLANNING GUIDE

Intentional career planning will help you prepare for your next step after graduation. It is a fluid, dynamic, and continuous process, meaning you can move on or return to an earlier stage at any time. You can even work through simultaneous cycles, like one for your long-term dream job and another for a summer job.



Experience Map

HOW TO USE THIS GUIDE

This guide is meant to help you explore various opportunities throughout the course of your UWindsor experience. It is intended to help you link academics, co-curricular, extra-curricular and career planning activities by suggesting some of the options available to you. This is to help you see what you can do, rather than what you are required to do!

Academics



First Year

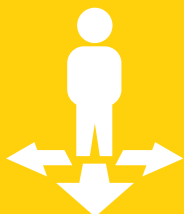
- Take required courses including Introductory CSI, Introduction to Forensic Science, General Chemistry I and II, Cell Biology, and Biological Diversity
- Review degree course requirements for all years of study
- Participate in our PASS program during Welcome Week to be provided with the skills necessary to be successful as a Science student
- Receive help through the Mentorship in Forensic Sciences program
- Visit the Forensic Sciences Academic Advisor regularly or e-mail sjasra@uwindsor for advising
- Visit the Chemistry Resource Centre or Student Success Centre regarding any questions about your program
- Receive peer mentorship from an upper-year MySci Advisor

Experience



- Begin the process of becoming a LEAD Medallion Scholar and participate in credit and volunteer activities that provide you skills in **Leadership, Engagement, Application and Discovery***
- Apply for a co-curricular experience such as the Volunteer Internship Program (VIP)*
- Discover through research opportunities as part of the Outstanding Scholars program or by volunteering in a research lab*
- Sign up to be a Forensic volunteer for Trends in Forensic Sciences (TIFS) Conference
- Research student exchange and study abroad opportunities for middle years to gain a Global Perspective of Science*
- Join a club like the Chemistry Club, Science Society or Students Offering Support

Career



- Create a list of things that you enjoy, areas in which you excel, and your skills
- Meet with Career & Employment Services (CES) to develop a plan for your future years
- Consider taking an interest assessment to help you identify possible career paths
- Attend a CES workshop to learn how to find a summer or part-time job
- Become familiar with the mySuccess online job search tool
- Attend a CES resumé and cover letter workshop to get your resumé critiqued

Middle Years

- Take required courses and check in with academic advisor to make sure you are on the right path
- Look into completing an undergraduate research project in final year★
- Begin taking courses for specialization in Molecular Biology/ Biochemistry, Biology, or Chemistry
- Seek out internships and courses that offer field experience★
- Start taking courses required as pre-requisites for graduate/ professional school
- Consider declaring a minor and/or specialization

- Get involved in the annual Trends in Forensic Sciences (TIFS) Conference
- Become an active volunteer in such activities as CSI-Windsor workshops, mock crime scene, outreach and other innovative Forensic events
- Join a professional association such as the Canadian Society of Forensic Science
- **Apply** your knowledge through a research assistant or teaching assistant position★
- Participate in the UWill Discover undergraduate research conference★
- Gain a Global Perspective of Science (GPS) through an international exchange or by studying abroad★
- Gain valuable **Leadership** skills through the Mentorship in Forensic Sciences program

- Research career fields and occupations
- Explore opportunities and meet employers through a job fair or employer information session
- Attend the Graduate and Professional Schools Fair to explore further educational opportunities
- Analyze the requirements for graduate or professional schools
- Make an appointment with Career & Employment Services to explore career options
- Create a LinkedIn profile and have it critiqued
- Take part in informational interviews through such sources as Ten Thousand Coffees

Final Year

- Apply your knowledge through a field work, internship, or practicum course to optimize your senior experience★
- Plan and conduct relevant forensic research★
- Undertake an undergraduate research project with faculty member★
- Plan to present the research at TIFS and other conferences★
- Plan to publish the forensic research in *Journal of Emerging Forensic Sciences Research* or another forensic science journal★
- Meet with faculty and academic advisor to review degree requirements
- Complete all required courses to fulfill degree audit
- Apply to graduate through MyUWindsor Portal
- Complete your area of concentration along with the core courses

- Actively participate in the annual Trends in Forensic Sciences Conference
- Conduct field research with faculty member★
- Be **Engaged** through Service Learning opportunities with Let's Talk Science and Science Rendezvous
- Become a tutor for Students Offering Support (SOS)
- Become a MySci Advisor to provide academic support and mentorship for first-year students
- Complete LEAD Medallion Scholars in two areas for Bronze, three areas for Silver, four areas for Gold in accordance with **Leadership, Engagement, Application, Discover**★

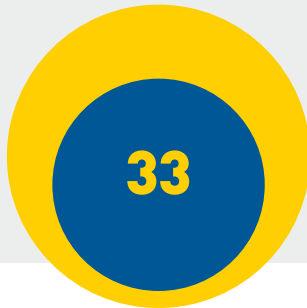
- Consider applying to graduate or professional school. Be aware of early application deadlines
- Meet with Career & Employment Services to prepare such application documents as a resumé, cover letter, CV or personal statement
- Attend an Interview Skills Workshop and Job Search Tips Workshop
- Set up a mock interview for professional school or job applications
- Meet employers at the annual job fair in January
- Compose a portfolio of relevant academic and work experience

★ High-Impact Practice: educational practices that include experiential learning as a basis for student engagement and successful scholarship

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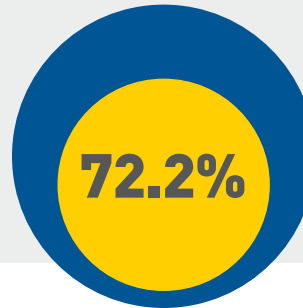
LIFE AFTER GRADUATION

2016



Number of University of Windsor graduates from Forensic Science programs in 2016.

2013



Percentage of graduates who continue studying after Bachelor's of Forensic Science.
(National Graduates Study 2013)



COMMON INDUSTRIES FOR FORENSIC SCIENCE GRADUATES

- Academia: diverse forensic fields, legal studies, and health sciences
- Business: Research and analysis, human resources, project management, data and fraud management
- Corrections and psychological services
- Education and counselling
- Forensic sciences/evidence analysis
- Government services
- Law and law enforcement
- Police services
- Security agencies: public and private
- Social service and community agencies

CAREER TRACKS*

Behaviour profiler
Border services officer
Case management officer
Consultant
Crime scene officer
Criminologist
Customs inspector

Database librarian
Detective
Doctor
Document specialist
Forensic biologist
Forensic chemist
Forensic psychologist

Immigration services
Internet security analyst
Journalist
Lab technician
Law enforcement officer
Lawyer
Legal consultant

Pathologist assistant
Policy analyst
Professor
Research co-ordinator
Serologist
Surveillance specialist
Teacher

* Additional education and/or training required for some of the above careers.

CAREER-READINESS COMPETENCIES



Critical Thinking and Problem Solving: Using strategic and creative thinking to make decisions and evaluate solutions

- Approaching diverse topics and problems from different perspectives to analyze problems multi-dimensionally
- Thinking creatively to solve problems by identifying and considering all sides of an issue
- Learning, processing, and interpreting information and applying acquired knowledge to new situations



Teamwork and Collaboration: Working as a productive member of a group and collaborating with others to achieve set goals

- Understanding how to successfully identify, plan, and contribute to the goals of a project
- Interpreting/analyzing presentations by colleagues and objectively supporting or challenging proposals/theories/reports
- Identifying your role on a team and contributing to its success in a leadership, decision-making capacity



Professionalism and Work Ethic: Demonstrating personal management practices and a high level of integrity and ethical behaviour

- Setting priorities, meeting deadlines, and managing time, data, and resources
- Working independently; self-motivating
- Identifying priorities and preferable courses of action to execute necessary tasks



Communication: Appropriate and effective articulation of ideas and information to a range of audiences

- Speaking publicly with skill and confidence
- Developing attractive, substantial reports and resources using best available technology
- Preparing informative and creative presentations to engage diverse audiences



CAMPUS RESOURCES

- Visit **Leddy Library** and the **Writing Support Desk** on the main floor for help with academic assignments
- Improve study skills through the **Skills To Enhance Personal Success (STEPS)** program
- Discover ways to get involved on campus through the **Student Success and Leadership Centre**
- Explore mentorship opportunities through the **Connecting4Success (C4S)** and **Bounce Back** programs
- Apply to the **Volunteer Internship Program (VIP)** to get involved in the community
- Look into the **Work Study** program for on-campus employment opportunities
- Broaden your cultural awareness through the **International Student Centre** and **Student Exchange Office**
- Get assistance developing your career plan and job search skills from **Career & Employment Services**
- Consult with the **EPICentre** if you are interested in starting your own business
- Seek out assistance with academic accommodation from **Student Accessibility Services**
- Tend to your health and wellness with support from **Student Health Services, Lancer Recreation** and the **Student Counselling Centre**

Recruitment Office

Phone: 519-973-7014
Toll-Free: 1-800-864-2860
Email: info@uwindsor.ca

Department of Forensic Science

Phone: 519-253-3000, Ext. 4583
Email: sjasra@uwindsor.ca

Career and Employment Services

Phone: 519-253-3000, Ext. 3895
Email: careerservices@uwindsor.ca
experience.uwindsor.ca



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