



EXPERIENCE MAP

Forensic Science



**FUTURE FULL
OF PROMISE.**



University
of Windsor

FORENSIC SCIENCE

FORENSICS COMBINED PROGRAMS

EXPERIENCE.UWINDSOR.CA

Skills and Knowledge of Forensic Science Graduates

PROGRAM HIGHLIGHTS

Forensic Science – In our Forensic Science programs, you'll learn how 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

Degree Title / Program	Minimum Average	Admission Requirements
FORENSIC SCIENCE	70%	ENG., BIO., CHEM. and ADV. FUNC. required. CALC. VEC. recommended and PHYS. strongly recommended. 70% average in all attempted Science and Math courses.



- Courses of study specific to each program
- Activities and experiences that complement coursework (Outstanding Scholars, peer mentoring, VIP)
- 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.



Explore Opportunities Using This Guide

Explore a selection of opportunities recommended for students in your program. This chart shows some of your many options – you don’t have to do everything on it or limit yourself to it. Engage in opportunities from each of the three categories to set yourself up for success:

- **Academics**
 - Your coursework
- **Experience**
 - Ways to get involved
- **Career**
 - Plan ahead for what’s next

HIP High-Impact Practice (HIP)

A HIP is an enriching educational experience that can be life-changing and often includes learning outside of the classroom while encouraging meaningful interaction and collaboration, such as:

- Co-op, internship or field experiences
- Research with faculty
- Culminating senior experience
- Capstone courses
- Service-learning
- Learning communities
- Study abroad

	First Year	Middle Years	Final Year
Academics	<ul style="list-style-type: none">• Take required courses including Introductory CSI, Introduction to Forensic Science, General Chemistry, Cell Biology, and Biological Diversity• Review degree course requirements for all years of study and mesh them with professional or graduate school aspirations• Participate in our PASS program during Welcome Week to be coached on the skills necessary to be successful as a Faculty of 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• Receive peer mentorship from an upper-year MySci advisor	<ul style="list-style-type: none">• 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 HIP• Consider declaring a minor• Continue taking courses for one of the four available areas of concentration: Life Sciences, Biology, Chemistry, or Information Technology• Seek out courses that offer experiential learning HIP• Continue taking courses required as preparation for professional schools• Study for and take professional school admission tests of interest	<ul style="list-style-type: none">• Meet with an academic advisor to go over graduation requirements• Complete your area of concentration along with the core courses• Complete all required courses for your degree• <i>Apply</i> your knowledge through a field work, internship, or practicum course to optimize your senior experience HIP• Plan and conduct relevant forensic research HIP• Undertake an undergraduate research project with faculty member HIP• Apply to graduate through MyUWindsor Portal
Experience	<ul style="list-style-type: none">• Begin the process of becoming a LEAD Medallion Scholar and participate in credit and volunteer activities HIP• Apply for a co-curricular experience such as VIP HIP• <i>Discover</i> research opportunities as part of the Outstanding Scholars program or by volunteering in a research lab HIP• Join the USci Network to take part in collaborative and integrative science experiences• Sign up to be a Forensic volunteer for Trends in Forensic Sciences (TIFS) Conference• Join a club like the Chemistry Club, Science Society or Students Offering Support• Participate in the Bystander Initiative workshop to gain skills that will help you be an effective and supportive ally to prevent sexual assault on campus	<ul style="list-style-type: none">• Get involved in the annual Trends in Forensic Sciences (TIFS) Conference• Become an active volunteer in activities such as CSI-Windsor workshops, mock crime scene, outreach and other innovative Forensic events• Be <i>Engaged</i> through service learning opportunities with Let’s Talk Science and Science Rendezvous HIP• <i>Apply</i> your knowledge through a research assistant or teaching assistant position HIP• Participate in the UWill Discover undergraduate research conference HIP• Gain a Global Perspective of Science (GPS) through an international exchange or by studying abroad HIP• Gain valuable <i>Leadership</i> skills through the Mentorship in Forensic Sciences program	<ul style="list-style-type: none">• Join a professional association such as the Canadian Society of Forensic Science• Actively participate in and present your research at the annual Trends in Forensic Sciences (TIFS) Conference HIP• Plan to publish the forensic research in Journal of Emerging Forensic Sciences Research or another forensic science journal• Conduct research with a faculty member HIP• Become a tutor for Students Offering Support (SOS) HIP• 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, or four areas for Gold in accordance with <i>Leadership, Engagement, Application, Discover</i> HIP
Career	<ul style="list-style-type: none">• Create lists of things that you enjoy, areas in which you excel, and your skills• Meet with a career advisor in Career Development and Experiential Learning (CDEL) for help developing a plan for your future years• Consider a career assessment workshop or appointment to help you identify possible career paths• Get involved with a part-time job, volunteer opportunity, campus group, or research assistantship• Attend CDEL workshops to learn how to find a summer or part-time job and write a resumé and cover letter• Analyze the requirements for graduate or professional schools	<ul style="list-style-type: none">• Research career fields and occupations with the help of a CDEL career advisor• Explore opportunities and meet employers through job fairs and employer networking events• Explore further educational opportunities by attending the Graduate and Professional Schools Fair and researching admission requirements for programs you are interested in• Attend CDEL’s Using Social Media to Leverage Your Career workshop• Create a LinkedIn profile and have it critiqued• Volunteer at the TIFS Conference to develop your career network• If you are considering applying to graduate or professional school, be aware of early application deadlines	<ul style="list-style-type: none">• Meet with CDEL to prepare application documents like a resumé, cover letter, CV, or personal statement for jobs and education programs you are applying to• Attend an Interview Skills Workshop and Job Search Tips Workshop• Use InterviewStream to practice your interview skills online• Set up an in-person mock interview with a career advisor for professional school or job applications• Meet employers at the annual job fair in January• Compose a portfolio of relevant academic and work experience

Forensic Science

Life After Graduation



It wasn't until she found the Forensic Sciences program at the University of Windsor that she realized there is a unique way to combine her love for biological and chemical sciences, with her passion for criminology and human psychology.

Azin Bayan – BFS (Honours) in Forensic Science with Molecular Biology/Biochemistry Specialization [2014]



"My Forensic Science journey began with a strong interest in getting involved in Forensic Identification. It took a big turn in my fourth year as I did my practicum and thesis at Windsor Regional Hospital in Pathology. I was amazed and inspired by the career of a Pathologists' Assistant. Shortly after graduating in 2010 with Honours - Molecular Biology and Biochemistry, I was hired as a Pathologist's Assistant at Windsor Regional Hospital."

Iain Macri – BFS (Honours) in Forensic Science with Molecular Biology/Biochemistry Specialization [2010]



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



Teamwork and Collaboration

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



Professionalism and Work Ethic

Demonstrating personal management practices and a high level of integrity and ethical behaviour



Communication

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



Campus Resources

- Research scholarships and bursaries through the **Student Awards and Financial Aid Office**
- Visit **Leddy Library** and the **Writing Support Desk** for help with academic assignments
- Explore mentorship opportunities through the **Connecting4Success (C4S)** and **Bounce Back** programs
- Improve study skills through the **Skills to Enhance Personal Success (STEPS)** program
- Get advice and support about your academic status by making an appointment with **Academic Advising**
- Seek out assistance with academic accommodation from **Student Accessibility Services**
- Discover ways to get involved on campus through the **Student Success and Leadership Centre**
- Look into the **Ignite: Work Study** program for on-campus employment opportunities
- Apply to **VIP** to get involved in a community service learning experience
- Get assistance developing your career plan and job search skills from **Career Development and Experiential Learning**
- Consult with the **EPICentre** if you are interested in starting your own business
- Broaden your cultural awareness through the **International Student Centre** and **Student Exchange Office**
- Find support for Indigenous learners and broaden your understanding of Indigenous culture by visiting **Turtle Island**
- Tend to your health and wellness with support from **Student Health Services** and **Lancer Recreation**
- Receive confidential mental health counselling delivered by trained professionals at the **Student Counselling Centre**
- Seek personal support or learn more about sexual violence education through the **Sexual Misconduct Response and Prevention Office**

Student Recruitment

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 Development and Experiential Learning

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



University
of Windsor

**FUTURE FULL
OF PROMISE.**