

Forensic Science

Made in Windsor.



FORENSIC SCIENCE (BFS)

FORENSICS (BA) COMBINED PROGRAMS



uwindsor.ca



**Forensic Science
Experience Map**



**University
of Windsor**

Highlights and Skills

PROGRAM HIGHLIGHTS

Forensic Science (BFS) ^H Forensic Science is the degree for the 21st century and UWindsor's program is ahead of its time. We'll train you to investigate and analyze evidence from crimes ranging from homicide to abuse, and from fraud to hacking. We use the latest technologies to analyze facial emotions (biometrics and eye trackers), reconstruct crime scene scenes (laser scanners), assess fingerprints and documents (videospectral comarator, assess document integrity, investigate pathologies (Medical Design) and analyze and identify sounds. We supplement your classroom learning with outdoor and indoor mock crime scenes and labs. You'll get training in scientific methodologies and from a variety of professionals, including academics, police officers and lawyers. The programs are very intensive and include placement opportunities at diverse organizations, in addition to a final year forensic research project.

MIN. AVG.* 70% ONTARIO COURSE REQUIREMENTS ENG4U, SBI4U, SCH4U and MHF4U. MCV4U is recommended and SPH4U is strongly recommended. A minimum 70% average of all required science and math courses is also required.

Forensics (BA) ^C

Interested in crime scene investigation? We have a double major degree that allows you to combine forensic knowledge with a second major in fields such as psychology, criminology, social work, visual arts and many other combinations. You will learn about state-of-the-

art forensic technologies, investigative methods and the criminal justice system. Your second major provides the flexibility to tailor your degree to prepare you for your future career.

MIN. AVG.* 70% ONTARIO COURSE REQUIREMENTS ENG4U, SBI4U and MHF4U. MCV4U is strongly recommended. A minimum 70% average of all required science and math courses is also required.

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
- Understanding chemical/molecular/biological properties in terms of their relevance to forensic science
- Integrating legal considerations into specific scientific fields 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
- Implementing appropriate techniques for studying material evidence

^H Honours - 4-year program ^C Combined Honours programs available * Minimum grade point average for admission to program. A higher average may be required.

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.



CURRICULUM

Courses of study specific to each program



CO-CURRICULAR

Activities and experiences that complement coursework (Outstanding Scholars, peer mentoring, VIP)



EXTRACURRICULAR

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

Career Planning Cycle

Intentional career planning will help you prepare for your next step after graduation and beyond. It is a fluid, dynamic, and lifelong process. You can move on or return to an earlier stage in the cycle at any time.



Explore Opportunities Using This Chart

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.

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

Academics



Your Coursework





First Year

- Participate in our **PASS** program during **Welcome Week** to be coached on the skills necessary to be successful as a Faculty of Science student
- Take required courses including Introductory CSI, Introduction to Forensic Science, General Chemistry (BFS only), Cell Biology, and Biological Diversity
- Review degree course requirements for all years of study and mesh them with professional or graduate school aspirations
- Receive help through the **Mentorship in Forensic Sciences** program
- Visit the **Forensic Sciences Academic Advisor** regularly or e-mail sjasraf@uwindsor for advising
- Receive peer mentorship from an upper-year **MySci** advisor

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 
- Consider declaring a minor (for BA students)
- Continue taking courses for one of the four available areas of concentration (for BFS students): Life Sciences, Biology, Chemistry, or Information Technology
- Seek out courses that offer experiential learning 
- Continue taking courses required as preparation for professional schools
- Study for and take professional school admission tests of interest



Final Year

- 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
- Apply your knowledge through a field work, internship, or practicum course to optimize your senior experience 
- Plan and conduct forensic research project (required for BFS, optional for BA) 
- Apply to graduate through **UWindsite Student Portal**



Experience

Ways To Get Involved



- Begin the process of becoming a **LEAD Medallion Scholar** and participate in credit and volunteer activities 
- Discover research opportunities as part of the **Outstanding Scholars** program or by volunteering in a research lab 
- 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

- 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 *Engaged* through service learning opportunities with **Let's Talk Science** and **Science Rendezvous** 
- *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

- 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** 
- Plan to publish your forensic research in **Journal of Emerging Forensic Sciences Research** or another forensic science journal
- Conduct research with a faculty member 
- 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, or four areas for Gold in accordance with *Leadership, Engagement, Application, Discover* 

Career

Plan Ahead For What's Next



- Start planning your career by making a list of things you enjoy, your skills and areas where you excel
- Create lists of things that you enjoy, areas in which you excel, and your skills
- Apply for co-curricular experience such as **VIP - Community Service Learning**
- Consider a career assessment 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 university-level resumé
- Analyze the requirements for graduate or professional schools
- Chat with an advisor during **CDEL's Drop-In** hours to get answers to your career and job search questions

- Research career fields and occupations with the help of a **CDEL** career advisor
- Explore further educational opportunities by attending the **Graduate and Professional Schools Fair** and researching admission requirements for programs you are interested in
- Create a **LinkedIn** profile and have it critiqued by **CDEL**
- If you are considering applying to graduate or professional school, be aware of early application deadlines
- Explore opportunities and meet potential employers by participating in **Job Shadow Experience**, job fairs and industry networking events
- Take part in informational interviews and join online communities like **LinkedIn** and **Ten Thousand Coffees** to connect with people in your target profession or industry

- 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 **CDEL's** workshops on interview skills and job search strategies
- Set up a mock interview with a career advisor for professional school or job applications
- Take part in recruitment events and job fairs, including those organized by **CDEL**
- Compose a portfolio of relevant academic and work experience
- Explore professional development opportunities through **Continuing Education**

Life After Graduation



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 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

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
Genetic counselor
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.



Common Industries For 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-Readiness Competencies



Critical Thinking & Problem Solving



Professionalism & Work Ethic



Teamwork & Collaboration



Communication





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
- Check out the **Bounce Back** program designed to improve academic performance as well as decrease feelings of stress and anxiety through both effective learning strategies and life skills acquisition
- Build leadership skills and find leadership opportunities at the **Leadership Hub**
- 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
- 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**, the **Wellness Outreach Office** and **Lancer Recreation**
- Receive confidential mental health counselling delivered by trained professionals at the **Student Counselling Centre**
- **Prevent.Resist.Support.** Seek personal support or learn more about sexual violence prevention and resistance education through the **Sexual Misconduct Response and Prevention Office**
- Explore professional development opportunities through **Continuing Education**



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Student Recruitment

Phone: 519-973-7014

Toll-Free: 1-800-864-2860

Email: info@uwindsor.ca

Department of Forensic Science

Dr. Maria Cioppa

Forensics Programs Administrator

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Career Development and Experiential Learning

Phone: 519-253-3000, Ext. 3895

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