

INSTRUMENTAL CHEMICAL ANALYSIS CO-OP

Instrumental Chemical Analysis at Trent

Many aspects of modern environmental science, health sciences, and biology are dependent on high quality chemical data and the determination of elements and compounds found at very low concentrations in a variety of media. To measure these substances at such low concentrations requires state-of-the-science analytical instruments and knowledge of quality control, quality assurance, and data processing. The Instrumental Chemical Analysis program is in response to a critical need for people who have both the theoretical understanding of how modern instruments function and the skills to operate them. This professional graduate program gives graduates practical skills and a theoretical foundation for jobs in commercial, academic and government laboratories. This degree prepares you for a career that blends technology and life sciences.

These explorations can take place both in the classroom and beyond – through the Instrumental Chemical Analysis Co-op program, you can put skills to action with a paid work term in a professional setting.

Instrumental Chemical Analysis Co-op

Co-op is an opportunity for students to gain work-integrated experiential learning that will help them get a head start on their career. The Instrumental Chemical Analysis Co-op assists graduating students in achieving a competitive edge while generating experience within a wide range of sectors. Specifically, co-op gives students a chance to obtain 4 months of practical on-the-job experience, explore career options, enhance their transferable and technical skills, and network with industry professionals and future employers.

Program Requirements for Admittance into Co-op:

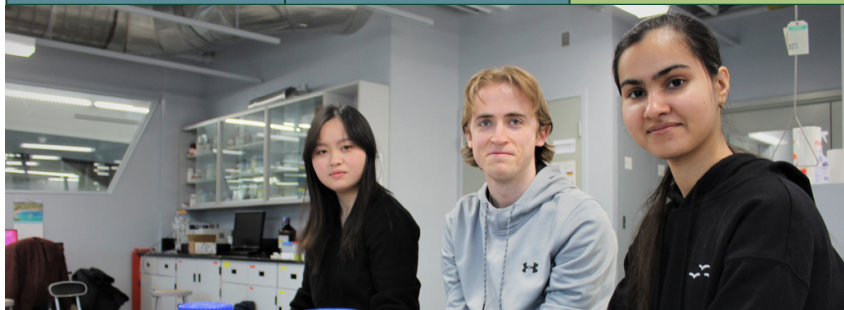
- An Honours Bachelor of Science degree in a relevant science, including biology, chemistry, environmental science, physics or health science
- Minimum B+ (77%) or equivalent in the last four semesters or the last two undergraduate years (last ten full credits)
- Submission of required documents (transcripts, two letters of reference, proof of English language proficiency, plan of study, resume or CV)

To remain in the co-op, students must:

- Successfully complete the required Co-op preparatory course
- Receive a minimum 70% in each academic course
- Complete the academic co-op work term
- Submit all work term documentation and receive satisfactory evaluations during their work term

Co-op Work Term Schedule

Fall	Winter	Summer
Study Term 1	Study Term 2	Work Term



Instrumental Chemical Analysis Co-op is a competitive direct-entry program with a limited number of spaces.

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All students are encouraged to meet with the graduate program and the Co-op Coordinator to ensure they are meeting program and work term requirements.

Please Note: Co-op is meant to prepare students for the real-world job application process and as such, the co-op process is competitive and dependent upon many factors including market conditions, the student's efforts to secure a work term, the student's communication with their Co-op Coordinator, and the academic performance of a student. Every effort is made to find suitable co-op work terms for students, but a work term opportunity cannot be guaranteed for every student. Co-op students will secure positions through successful participation in the co-op interview process and/or their own job search activities. Withdrawal from the co-op program will not normally be approved while a student is on their work term.

Students who are unable to obtain a suitable co-op opportunity, yet otherwise fulfills degree requirements, will be awarded an Instrumental Chemical Analysis Graduate Diploma, GDip.

Students are required to pay a \$750 administrative co-op fee during their Summer work term. The Co-op Assistance Program is available to support students in financial need with co-op expenses. For more information, please reach out to coop@trentu.ca.

International Students As of April 1, 2026, international post-secondary students no longer need a co-op work permit to participate in a mandatory work component of their study program. To be eligible for student work placements, you must have a valid study permit that includes authorization to work on campus. For full eligibility requirements and updates on working in Canada as an international student, visit [Immigration, Refugees, and Citizenship Canada](https://www Immigration Refugees and Citizenship Canada).

Students with Disabilities are strongly encouraged to register with Student Accessibility Services (SAS). Please contact sas@trentu.ca for more support.

Sample Work Term Areas:

- Government research and monitoring laboratories
- Commercial service laboratories
- Pharmaceutical and biotechnology research laboratories
- Chemical industry
- Characterization laboratories
- Academic research laboratories

Potential Career Paths:

- Chemical Analyst
- Analytical Development Analyst
- Stability Specialist
- Laboratory Technician
- Research Technician

