

Laboratory Technology (Analytical Chemistry) 210.AB

3 YEARS

Application deadline > March 1



www.dawsoncollege.qc.ca/laboratory-technology

If you would like to:

- Learn in a modern, hands-on laboratory setting using the latest technology and specialized computer software
- Perform chemical and biochemical analyses with advanced instrumental methods
- Carry out physicochemical measurements and microbiological testing
- Learn to collect, analyze and interpret scientific data and reports
- Help create products that are available in the marketplace

Then the Laboratory Technology (Analytical Chemistry) Program could be for you.

The Laboratory Technology (Analytical Chemistry) Program will prepare you to work in fields such as pharmaceuticals, cosmetics, environmental testing, oil testing, quality control, government and teaching labs among others. You will study in an engaging laboratory environment with teachers who can deliver one-on-one instruction. You will participate in internships as part of the program. You may also qualify for paid internships that alternate with your studies (called a Work-Study Option or *Alternance Travail-Études*) and accumulate up to six months of industrial work experience prior to graduation.

“

The laboratories are very well equipped. The teachers and staff are amazing, and the program is very closely connected to the industry which includes remunerated internships.

– Carl B.

What will you learn?

- To use conventional and modern instrumental methods in analytical chemistry
- To apply key principles of quality assurance systems in a chemical laboratory
- To collect and prepare analytical samples and standard chemical solutions
- To use chromatographs, auto-analyzers, spectrophotometers and other instruments
- To test for harmful microorganisms found in industrial samples

Where will this program lead you?

Graduates of the Laboratory Technology (Analytical Chemistry) Program often pursue careers as laboratory analysts, chemical research technologists, quality control technicians, biochemistry technologists or chemical engineering technologists. These sectors have a high demand for graduates of the program.

Other graduates choose to continue their studies at the university level in Chemistry. In this case, some of your Dawson courses may be credited.

What do you need to apply?

- A Diploma of Secondary Studies (DES) or academic background judged equivalent to the DES
- Sec V Mathematics - Technical & Scientific option or Science option 564-506 or 565-506
- Sec V Chemistry 551-504

What else should you know?

As a student in this program, you will have access to the most advanced industry-level chemistry labs located in a fully renovated area of the college.

The program offers courses in active learning classrooms, spaces in which students can share and engage using interactive boards in small groups.