

As a graduate, you will be prepared to reliably demonstrate the ability to:

- Perform routine tasks and assigned procedures to support the purification, analysis and synthesis of chemical compounds and samples.
- Use prescribed laboratory procedures to conduct basic manual and instrumental quantitative analysis and report results.
- Operate and troubleshoot chemical analysis instruments and equipment to assure accurate results.
- Perform quality assurance and quality control procedures, including basic statistical analyses, in accordance with international and industry standards and government regulations.
- Complete chemical laboratory tasks and projects using computer and information technologies.
- Implement health and safety practices to ensure a safe laboratory environment for oneself and others.
- Contribute to the efficient and ethical use and promotion of chemical laboratory resources through established sustainability practices.
- Interpret and produce technical documents to communicate chemical laboratory data and results.
- Collaborate with others to contribute to effective working relationships and teamwork in chemical laboratory environments.
- Develop strategies for ongoing professional development to enhance competence as a chemical laboratory technician.

Admission Requirements

- Ontario Secondary School Diploma (OSSD), or equivalent, or a mature applicant (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/mature-applicants.html>)
- English: Grade 12 C or U, or equivalent course
- Mathematics: Grade 12 C or U, or Grade 11 Functions (MCR3U), or equivalent course

- Biology: Grade 11 C or U, or equivalent course
- Chemistry: Grade 11 U or Grade 12 C or U, or equivalent course

Canadian citizens and permanent residents may satisfy the English and/or mathematics requirements for this program through successful Seneca pre-admission testing. (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/mature-applicants.html>)

Recommended upgrading for applicants who do not meet academic subject requirements (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/upgrading-options.html>).

International Student Information

International admissions requirements vary by program and in addition to English requirements (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/english-requirements.html>), programs may require credits in mathematics, biology, and chemistry at a level equivalent to Ontario's curriculum, or a postsecondary degree or diploma, equivalent to an Ontario university or college. Program-specific pre-requisite courses and credentials are listed with the admission requirements on each program page. To review the academic requirements please visit: Academic Requirements - Seneca, Toronto, Canada ([senecapolytechnic.ca](https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/academic-requirements.html)) (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/academic-requirements.html>).

Pathways

As a leader in academic pathways, we offer a range of options that will allow you to take your credential further in another Seneca program or a program at a partner institution.

To learn more about your eligibility, visit the Academic Pathways (<https://www.senecapolytechnic.ca/pathways.html>) web page.