



CREDENTIAL	PROGRAM CODE	AREA OF INTEREST	LOCATION	DURATION
Ontario College Diploma	Fall: O387	Natural Resources	Thunder Bay	2 -year

## Overview

Are you interested in learning how to responsibly develop our resource-based economy while protecting our forests, waterways, and land?

Through Confederation College's Environmental Technician two-year diploma program, you will learn to effectively manage natural and man-made environments. This program will explore environmental issues and provide hands-on tools for assessing, protecting and restoring ecosystems. Best of all, you'll learn in one of the greatest natural labs available: the Boreal Forest, a rich and diverse forest ecosystem that stretches around the northern hemisphere. Courses cover a wide variety of related topics including plant identification, natural resource measurements, soils & geomorphology, ecology, waste management, ground water, surface water and water & waste water treatment.



### Top Highlights

- Courses developed in consultation with industry and government familiar with northern Ontario and based on current cutting-edge practices
- Program includes two optional co-op placements after the second and fourth semesters
- Balance of class work, field study and placements for a well-rounded education
- Ontario's Entry-Level Drinking Water Operator Certificate possible, upon graduation
- Opportunity to write Operator-in-Training certificates (OITS) for:
  - Water treatment
  - Water distribution or distribution supply
  - Wastewater treatment
  - Wastewater collection



### Employment Opportunities

Graduates pursue many different types of work in the Environmental sector. While there is a heavy emphasis on water resources in the program, you will also gain extensive experience working with terrestrial ecosystems and be introduced to the environmental aspect of industrial settings. Many graduates have found work with consulting firms that offer a wide variety of experiences, including the mining sector. Most students graduate with the Ontario Entry-Level Drinking Water Certification; many also obtain Operator-in-Training (OIT) certifications for water treatment, water distribution and supply, wastewater collection and wastewater treatment.



### Experiential Learning

Optional Co-op, Field Work



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# Environmental Technician

## Program Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

## Other Courses Recommended

- Grade 11 or 12 College or University preparation Math, Chemistry & Biology or Physics

**Please Note: The Environmental Technician program starts with a two-week field school at the beginning of both of the fall semesters. Students must be prepared for long days outside during field school.**

The Environmental Technician program is clustered with the Forestry Technician: Ecosystem Management program. It is possible to complete both of these two-year diplomas in three years, if the co-op option is completed, either at the end of the first or second year of the program.

## Alternative Pathways

If you do not meet the entrance requirements, or if you want to earn some credits toward the Environmental Technician Diploma while exploring your career options in Technology, we encourage you to apply for the Pre-Technology-Trades program.

## Articulation Agreements

Confederation College has agreements in place that permit credits earned throughout this program to be transferred to programs at other colleges and universities.

Visit: [confederationcollege.ca/articulation-agreements](https://confederationcollege.ca/articulation-agreements) for more information.

## First Semester

EI 325	Introduction to Environmental Chemistry
NR 100	Natural Resource Measurements
NR 110	Tree and Shrub Identification
NR 130	Soils and Geomorphology
NR 180	Fall Field School
MA 115	Applied Math for Technology I
MC 165	Microsoft Office
CS 050	College Writing

## Second Semester

EI 425	Advanced Chemistry
NR 215	Plant Biology
NR 216	Introductory Ecology
NR 213	Geographical Information Systems I
MA 215	Applied Math for Technology II
GE	General Elective
GE 059	People and the Forest

## Optional CO-OP Following Second or Fourth Semester

EI 351	Environmental Technician Co-op Work Placement I
EI 451	Environmental Technician Co-op Work Placement II

## Third Semester

EI 320	Fall Field School
EI 321	Hydrogeology
EI 323	Water Quality
EI 326	Waste Management
EI 423	Environmental Audits
CE 130	Introductory Surveying
GE 060	Supervisory Skills & Conflict Resolution

## Fourth Semester

EI 322	Hydrology & Hydraulics
EI 421	Environmental Legislation
EI 422	Environment, Ethics, & Society
EI 424	Industrial Environmental Tech
EI 426	Drinking Water Treatment & Distribution
EI 427	Wastewater Collect. & Treatment
NR 427	Introductory Statistics for Environmental Applications



**Have questions? Want to apply?**  
Contact [recruitment@confederationcollege.ca](mailto:recruitment@confederationcollege.ca)

