



CREDENTIAL	PROGRAM CODE	AREA OF INTEREST	LOCATION	DURATION
Ontario College Diploma	Fall: O391	Natural Resources	Thunder Bay	2 -year

## Overview

Confederation College’s Forestry Technician: Ecosystem Management two-year co-op diploma program prepares you for a career in all areas of forestry including forest management, forest resource conservation and protection, silviculture, fish and wildlife, fire management, research support, recreation and nature interpretation.

You’ll learn how to balance the social, economic and ecological aspects of our natural resources so that our region – and our people – will continue to grow and thrive.

The skills learned in this program are transferrable across Canada and around the world. Topics include tree & shrub identification, soils & geomorphology, harvesting & wood products, forest operations, the history and culture of Canadian Indigenous Peoples, insects & disease, forest plant biology, silviculture, fire management, fish & wildlife management and geographical information systems (GIS).



### Top Highlights

- Program includes two mandatory paid co-op placements after the second and fourth semesters of hands-on work experience. Placements are approx. 16 weeks in duration during the summer months
- Balance of class work, field study and placements for a well-rounded education
- Graduates can transfer directly into the third-year of Lakehead University’s Faculty of Natural Resource Management four-year program, to obtain a degree



### Experiential Learning

Co-op, Field Work



### Employment Opportunities

Graduates of the Forestry Technician: Ecosystem Management program go on to a variety of positions in government or industry including Resource Technician, Forest Survey Technician, Fire Ranger, Conservation Officer, Scaler, Harvesting Supervisor, Silviculture Technician, Fish and Wildlife Technician and Park Ranger. However, this program can also provide a strong background for others living and working in the forest in areas including eco-tourism and recreation, research and academics and development of projects that have an impact on our forests.



### Keith Hautala Program Coordinator

(807) 475-6164  
khautala@confederationcollege.ca



# Forestry Technician: Ecosystem Management

## Admission 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).
- Valid Ontario driver's licence for Co-op.

## Other Courses Recommended

- Grade 11 or 12 College or University Preparation Chemistry and Biology.

## Alternative Pathways

If you do not meet the entrance requirements, or if you want to earn some credits toward the Forestry Technician: Ecosystem Management diploma while exploring your career options, we encourage you to apply for the Academic Upgrading, College Access or General Arts and Sciences programs.

## 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

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

## Second Semester

FW 211 Forest Operations  
FW 355 Forest Tech Co-op Work Term I  
GE 059 People and the Forest  
MA 215 Applied Math for Technology II  
NR 213 Geographical Information Systems I  
NR 215 Plant Biology  
NR 216 Introductory Ecology

## Third Semester

FW 300 Forest Inventory  
FW 311 Geographical Information Systems II  
FW 312 Silviculture  
FW 313 Natural Resources Economics & Business  
FW 314 Forest Health  
FW 315 Fall Field School  
FW 316 Harvesting & Wood Products  
GE 060 Supervisory Skills & Conflict Resolution

## Fourth Semester

FW 410 Photogrammetry & Mapping  
FW 421 Forest Fire Ecology & Management  
FW 422 Forest Management Planning  
FW 423 Fish & Wildlife Management  
FW 424 Capstone  
FW 655 Forest Tech Co-op Work Term II  
GE General Elective

There are two paid summer co-op work placements in the program. The first co-op FW355 occurs between semesters two and three, and the second co-op FW655 follows semester four.



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

