Program Information

In the two-year Forest Ecosystem Management Technician (Co-op) program, you will acquire the theoretical knowledge and technical skills needed to work effectively in the forest and environmental sectors. You will be prepared for a technically competent entry level position in the areas of forest harvesting, forest resource conservation and protection, forest management, silviculture, fish and wildlife, research support, recreation, project development with Aboriginal communities, community economic development, and eco and adventure tourism.

The Forestry Technician program at Confederation College is truly one-of-a-kind. You will not find more knowledgeable mentors anywhere. All the faculty members associated with the program are extremely professional and personable all while being extremely experienced in this field of study. The hands-on learning component of this program is a true asset and a wonderful learning experience that will be useful in your day-to-day work activities guaranteed. They are all very qualified with many years of government and industry experience and are not only willing but happy to pass on their wisdom and knowledge to the people who will one day play a crucial role in the sustainable management of the natural resources making this country so unique and wonderful.

Stephane Comeault / 2009
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.
- or successful completion of Mature Student Assessment.
- or appropriate credits from Academic and Career Entrance program (ACE).

Employment Opportunities

As a graduate of this program you may find employment in the following occupations: Forest Technician, Forest Survey Technician, Resource Technician, Forest Fire Technician, Cruising Technician, Resource Officer, Forest Inventory, Conservation Technician, Scaler, Logging, Silviculture Technician, contractor, equipment owner/operator, equipment sales. Potential employment opportunities in this field are excellent due to an aging workforce and looming high retirement rates in the industry.

First Semester

CS 007 Persuasive Writing
NR 100 Natural Resource Measurements
NR 110 Tree & Shrub Identification
FW 120 Forest Mechanization I
NR 130 Soils & Geomorphology
FW 150 Wood Products & Utilization
NR 180 Fall Field School (2 weeks)
MC155 Microsoft Office 2007 Applications
MA115 Pre-Technology Mathematics I

Second Semester

CS 219 Communications for Technology
NR 213 Geographical Information Systems I
FW 214 Forest Operations
NR 215 Forest Plant Biology
NR 216 Introductory Ecology
MA215 Pre-Technology Mathematics II

Third Semester

CE 130 Surveying
FW 400 Forest Inventory
FW 410 Photogrammetry & Mapping
FW 411 Geographical Informations Systems II
FW 412 Silviculture
FW 414 Forest Pathology/Entomology
FW 415 Fall Field School (2 weeks)
GE 060 Supervisory Skills & Conflict Resolution

Fourth Semester

FW 510 Fish & Wildlife Management
FW 511 Forest Fire Management
FW 512 Forest Management Planning
FW 513 Forest Business Management
GE 059 People & the Forest
GE General Education Elective

*Students are assessed at the beginning of the semester for their mathematics skills. 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.

For information, please contact:

David Archibald, R.P.F.
Program Coordinator
(807) 475-6203 | djarchib@confederationc.on.ca