

School of Natural Resources

REAL LEARNING



Take a walk on the wild side!

There's no better place to study natural resources than in Northeastern Ontario. It's the perfect outdoor lab with the Great Lakes-St. Lawrence Forest Region immediately to the south and the Boreal Forest Region immediately to the north.

A variety of outdoor activities and resource-based industries are located in the area, like canoeing, sport fishing, hunting, trapping, mining, lumber mills, paper mills, and particleboard plants.

Features and Highlights

- The program emphasizes working on environmental solutions, inventory and decision making for fish and wildlife, forestry, ecotourism, environmental assessment, and environmental remediation activities.
- Forests, lakes and resource-based industries are in actual walking distance and readily accessible for field labs.
- Our curriculum covers a mix of new technology (Geographic Information Systems, Global Positioning Systems, radiotelemetry) and the basics (bush skills and compass work), with the development of communication and entrepreneurial skills.
- A field camp and a two-week work placement in second year are part of the program.
- Students have access to up-to-date equipment and quality instruction that comes from smaller classes.

Program

- Natural Resource Technician



Length	4 Semesters
Location(s)	(HL) Haileybury
Code(s)	NORT-N001 – HL

Program of Studies

Semester I

CM1903-A	Communications I
GN1082	College Success
IN1013	Computer Applications I
NR1002	Environment and Job Search Strategies
NR1003	Environmental Science I
NR1024	Resource Calculations I
NR1043	Dendrology and Plant Identification
NR1044	Outdoor Skills
NR1054	Wildlife Identification, Ecology and Inventory I

Semester II

CM2903-A	Communications II
IN2013	Computer Applications II
NR2023	Equipment Operation and Maintenance
NR2034	Wildlife Identification, Ecology and Inventory II
NR2054	Resource Calculations II
NR2063	Animal and Plant Biology
NR2083	Silviculture
NR2093	Environmental Science II

Semester III

BU3053	Entrepreneurial Skills
NR3000	Field Camp
NR3001	Student Work Placement
NR3023	Parks Management and Interpretation
NR3033	Resource Management Project
NR3043	Geographic Information Systems I
NR3093	Soils and Hydrology
NR3113	Advanced Field Techniques
NR3123	Forest Protection

Semester IV

NR4013	Resource Law and Regulations
NR4022	Human Relations and First Nations Resource Management
NR4044	Experimental Design and Analysis
NR4053	Reclamation and Remediation
NR4063	Geographic Information Systems II
NR4083	Forest Management Planning
NR4093	Environmental Assessment



For program information:

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Northern College's Natural Resource Technician Program provides students with a high quality learning experience. This program is suited to students who possess a keen sense of curiosity about the natural environment, enjoy being outdoors, and want to develop the skills and knowledge required for a rewarding career in fields related to ecology and environmental science. These include traditional careers in forestry and fish and wildlife management, as well as non-traditional natural resource-based careers such as ecotourism and reclamation and remediation.

The program provides a unique blend of hands-on field experience for the development of natural resource skills combined with an array of targeted studies to give students a solid scientific understanding of the ecosphere. The economic basis of resource allocation and utilization is covered, along with the role of society and government in setting the agenda for resource development.

In addition to teaching the skills and knowledge specific to natural resources management, the program equips graduates with a valuable tool kit of interpersonal and communications skills. Graduates can not only conduct field exercises to obtain data to answer scientific questions, they can evaluate data collected, summarize results, package information and make effective presentations to administrators or the public. These skills are also beneficial in careers in parks and businesses involved in natural attraction interpretation and marketing. Employers place a high value on these abilities, which are taught both in specific courses and as part of the background of the curriculum in general.

Employment Opportunities

Graduates of this program are equipped with a solid base of technical skills and knowledge in natural resource sciences, as well as the interpersonal and communication skills which are highly valued by employers. This prepares graduates for a wide range of career opportunities in both public and private sectors, including employment in the fields of habitat assessment and natural resource inventory; forest resource management; fisheries and wildlife management; geographic information systems; biological and environmental research programs; environmental assessment and protection; and zoos and wildlife parks. Graduates are also prepared for work in parks management and interpretation programs; the development and management of wetlands and protected areas; ecotourism; and outdoor attraction management.

Admission Requirements

Ontario Secondary School Diploma (OSSD)
Grade 12 English (C, M, U)
Grade 12 Math (C, M, U) (MCT4C preferred; MAP4C is accepted with a minimum GPA of 60%)
Grade 11 Biology recommended
Grade 12 Chemistry recommended

Or equivalent.

Or mature student status (an applicant who does not have a high school diploma or equivalent, and will have reached the age of 19 years on or before the start of the program). Mature students must undergo academic testing prior to admission into a program. Call the Admissions Office at 705-235-7222 for more details.

Note: Academic prerequisites for this program may be obtained free of charge through Academic Upgrading. Refer to the Post-Secondary Preparation section in this calendar for more details.