

**NORTHERN LIGHTS COLLEGE
REGISTRAR'S OFFICE
PROGRAM INFORMATION AND COMPLETION GUIDE**

Program Name:

Credential/Certification: Environmental Restoration Diploma

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Program Description: The Environmental Restoration Diploma program prepares students to effectively assess, restore and rehabilitate terrestrial and aquatic ecosystems. Students will learn how they can support and contribute to sustainable resource management including the critical work of responsible environmental stewardship that includes healing and restoring the land.

This program focuses on restoring sites disrupted by natural resource development such as oil and gas operations, coal mining, forestry, and hydropower development. Through a combination of academic theory, applied projects and fieldwork, students learn about regulatory requirements and best practices for site restoration. Students will acquire the knowledge and practical skills necessary to assess environmental and wildlife impacts, plan restoration projects, and implement effective techniques that incorporate an understanding of the importance of traditional ecological knowledge.

This program equips graduates with the knowledge and skills necessary to contribute to the growing field of restoration and environmental stewardship in Northern British Columbia and beyond.

Admission Requirements:

*A. Domestic students and students from countries that practice Standard Written English ([see Appendix A](#)) must have official transcripts demonstrating that they have met the English Requirements: One of the following with a "C" grade or higher: English 12 or English Literature 12 or English First Peoples 12, ENGL 050, or ENGL 099. Alternatively, any university-level English course with a "C" grade or higher. Students who do not meet one of the above English requirements must complete the NLC Writing Assessment for appropriate course placement.

B. International students who do not meet the requirement A. above, and domestic students who received their secondary education in French or another language, must show that they have met the NLC English requirement: [see Appendix A \(General Academic English Language Proficiency Requirements\)](#) OR must have received a minimum overall band of 6.0 on the IELTS exam, with no band less than 5.5.
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A. Students must have official transcripts demonstrating the following Math Requirement: One of the following with a 'C' grade (60%) or higher: Pre-calculus 11, Principles of Mathematics 11, Foundations of Math 11, MATH 040, or equivalent. Alternatively, readiness for MATH 050 as determined by the CCP Math appraisal.

*Note that some University Arts and Sciences and related programs elective courses have specific prerequisites. Meeting the entrance requirements for the program does not ensure course prerequisites have been met for all available courses.

Length of Program: (weeks and total hours)

Four academic semesters (64 weeks) with a minimum of 1057 hours in total, practicum hours included.

Program Intake: (start/finish dates) Start: September, Finish: April

Standard intakes occur in September in even years. Students may begin their studies off-cycle in January or May, but depending on course offering schedules, this may lead to a study period of greater than two years to complete the credential.

Available Seats:

Application Deadline: Last day for late registration as indicated in the NLC Calendar. International students should contact the International Department for deadlines specific to their situation.

Career Prospects:

Employment opportunities include the following positions in government, industry, First Nation land departments, and consulting companies:

- Land Reclamation Technician
- Water Resource Technician
- Restoration Technician
- Drilling Waste Technician
- Research Technician
- Junior Environmental Professional

Affiliations/Partnerships: Academic courses transfer as per the BC Transfer Guide <http://www.bctransferguide.ca>.

Location: Fort St. John, with some courses available through distance delivery and face to face on other NLC campuses.

Additional Requirements/Supplies: (fees, supplies, materials)
Students should be prepared to apply inventory methods and reclamation activities in outdoor settings. Personal equipment includes hiking or safety boots, warm and waterproof clothing, clipboard, and backpack.

***Post Admission Requirements:**

LAND 290 will require students to have H2S, Basic First Aid, Pipeline Construction Safety Training, and WHMIS. Students will be responsible for obtaining certification as required prior to the fourth semester of the program. Personal safety gear will be available for students during the practicum activities, apart from protective footwear, which students will supply themselves.

Prior to the third semester, students are required to attend a Culture Camp through the Treaty 8 Tribal Association or other approved organization and submit a Certificate of Completion to the Registrar's Office.

Eligibility for Canada Student Loans: (Yes or No)
Yes, for domestic students. No, for international students.

Required Minimum Grade: (overall and/or minimum within a course)
C (60%) overall; D (50%) minimum in a course.

Residency Requirement: (percentage of courses which must be taken at NLC)
50%; note that a minimum 60% or 'C' grade is required for courses to be considered for transfer into the ER diploma program. The age of a course will also be considered.

Required Courses: (list courses required to complete credential)
Year One:
CPSC 101: Introduction to Computing (3 credits; 45 hrs)
BIOL 125: Basic Ecology (3 credits; 45 hrs)
BIOL 127: Botany Basics (3 credits; 45 hrs)
ENGL 110: Introduction to Workplace Communications (3 credits; 45 hrs)
SOIL 117: Introduction to Soil Science (3 credits; 45 hrs)
ENGL 230: Technical Writing (3 credits; 45 hrs)
GEOG 112: Physical Geography: Surface of the Earth (3 credits; 75 hrs)

LAND 241: Petroleum Fundamentals (3 credits; 45 hrs)

LAND 245: Inventory and Assessment Techniques (3 credits; 45 hrs)

WATR 250: Introduction to Freshwater Resources (3 credits; 45 hrs)

*Prior to the third semester, students are required to attend a Culture Camp through the Treaty 8 Tribal Association or other approved organization and submit a Certificate of Completion to the Registrar's Office.

**Prior to the fourth semester, students are required to submit a certificate or evidence of completion of required safety tickets to the Registrar's Office.

Year Two:

AGRI 223: Introduction to Agriculture (3 credits; 45 hrs)

GEOG 250: Cartography: Map and Air Photo Interpretation (3 credits; 45 hrs)

LAND 227: Wildlife Habitat Conservation (3 credits; 45 hrs)

SOIL 230: Soil Classification (3 credits; 45 hrs)

WATR 260: Water Mensuration (4 credits; 90 hrs)

FNST 102: Treaties and Aboriginal Rights (3 credits; 45 hrs)

FRST 225: Forest Ecology (3 credits; 45 hrs)

GEOG 260: Introduction to GIS (3 credits; 45 hrs)

LAND 255: Land Reclamation (4 credits; 75 hrs)

LAND 280: Introduction to Contaminated Sites (3 credits; 45 hrs)

LAND 290: Work Practicum (3 credits; 80 hrs practicum and 16 seminar hrs)