

Full Time 2023-2024

PROGRAM LENGTH: 16 weeks

BRIEF DESCRIPTION: Heavy equipment technicians maintain, repair, and overhaul heavy vehicles and industrial equipment. Technicians are employed by specialized repair shops and organizations that own or lease heavy equipment used in the construction, mining, forestry, materials handling, landscaping, land clearing, agricultural and transportation industries. Journeyperson wage rates vary, but generally range from \$30 to \$60 an hour plus benefits. Rates vary depending on the region. Experienced journeypersons may advance to supervisory or service manager positions or become self-employed. <https://tradesecrets.alberta.ca/trades-in-alberta/profiles/0191/>

PROGRAM OF STUDY:

HESA0115 Section 1: Standard & Specific Workplace Safety
HESW0125 Section 2: Suspensions, Wheels and Systems
HEHB0135 Section 3: Hydraulics 1 and Brake Systems
HEEE0145 Section 4: Electrical 1 and Electronics 1
HEAB0155 Section 5: Air Brakes
HPRC0100 Employment Practicum
PISC0100 Industrial Safety Certification
WPCM0100 Workplace Communication
HEPL0100 Lab/ Practical

TRANSFERABILITY: Upon successful completion of all core courses, Pre-Employment students are eligible to write the 1st period apprentice exam with AIT.

PROGRAM DELIVERY: Traditional classroom setting with shop and lab demonstrations.

ADMISSION REQUIREMENTS:

RECOMMENDED PATH: Alberta High School Diploma with:
English 30-2
Math 30-2
Physics 30 or Chemistry 30 or Biology 30 or Science 30

MINIMUM REQUIREMENTS: Successful Completion of:
English 20-2
Math 20-3
Science 10

OR -All five (5) General Education Development (GED) exams –

OR -AIT's Entrance Exam (Category B). Where "Pre-Employment" programs are offered, the applicants are reviewed by NLC for meeting the standards in the "Minimum Requirement" column.

NOTE: If academic requirements are not met you will need to do an ACCUPLACER assessment. Contact your nearest campus to schedule an appointment.

NOTE: Pre-Employment students are **NOT** required to be registered with Apprenticeship and Industry Training (AIT).

COST ESTIMATES: Note: All fees are subject to change.

Tuition	\$4,816.00
Materials	\$ 650.00
Technology Fee	\$ 130.00
Textbooks (mandatory-includes GST)	\$ 360.59
Student Association Fee	\$ 345.00
TOTAL ESTIMATED COSTS:	\$6,301.59

ADDITIONAL FEES: Students are responsible for registering and paying the fee to challenge the first-year trades exam. The estimated cost for the Theory Exam is \$150.00.

OFFERING DATES: High Prairie: September 5, 2023 – December 22, 2023

APPLICATION PROCESS:

- **APPLICATION:** Complete and submit the Northern Lakes College application available online on the College website at www.northernlakescollege.ca
- **APPRENTICESHIP EXAM:** Applicants needing to meet admission requirements must call the Alberta Apprenticeship & Industry Training office nearest to their location to make arrangements for writing the Apprenticeship Entrance Exam. 1-800-248-4823.
- **ACCEPTANCE:** Applicants who meet the requirements will be accepted and offered a space in the next available offering of the program. In some cases, the spaces at a specific location may be full and accepted applicants will be placed on a waitlist. These applicants will be accepted in the order of “first qualified, first served.” Applicants will receive a letter informing them of their acceptance status.
- **FUNDING:** Applicants are encouraged to check on funding options early (minimum of 2 months prior to program start date). AIT office or NLC counsellors can assist with identifying funding options and applying for sponsorship of fees and living costs.
- **REGISTRATION:** Before the start date of the program, accepted applicants will receive information about registration dates, times, locations and other information to assist them by email – please ensure we have an accurate email address for you.

CONTACT INFORMATION:

For any assistance, questions or concerns, the following college staff are available toll-free:

Program Administrator: Chelsea Sadler 1-866-652-3456 ext. 8365

email: tradesaccount@northernlakescollege.ca

Questions about program content and employment opportunities

Other Inquiries: Admissions Services 1-866-652-3456

email: admissions@northernlakescollege.ca

Including general inquiries about College services & programs, student housing, library,

facilities