

**Full Time 2024-2025**

**BRIEF DESCRIPTION:** Do you enjoy doing hands-on work such as installing, altering, repairing, and maintaining electrical systems? Would you like to get involved in a trades career? Electricians specialize in specific types of installations such as residential (housing developments), commercial (office buildings), institutional (hospitals), and industrial (plants, factories). If you already signed up as an apprentice and are ready to attend your first period of technical training, then Northern Lakes College is where you want to be! Further Educational Opportunities for the Electrical Apprenticeship Program are: Second Period, Third Period, and Fourth Period. Journeyperson Electricians can become Master Electricians. Electricians often take further training to gain additional expertise in variable frequency drives, code upgrades, cathodic protection, and alternative energy installation. This dynamic and continually changing trade often requires updating.

<b>PROGRAM OF STUDY:</b>	ELSE1100	Section 1 Workplace Safety
	ELCF1200	Section 2 Circuit Fundamentals
	ELCF1300	Section 3 EMF Sources
	ELCD1400	Section 4 Lab Fundamentals
	ELLB1500	Section 5 Canadian Electrical Code (CEC) Part 1 & Drawings
	ELLB1600	Section 6 Lab/Shop

**TRANSFERABILITY:** Any Alberta Apprenticeship and Industry Training (AIT) approved provider.

**INTERNATIONAL APPLICANTS:** To apply for a trade program, applicants must be a Canadian citizen or Landed Immigrant. Applicants must be a registered Apprentice with **Alberta** Apprenticeship and Industry Training (AIT) in CANADA.

**EMPLOYMENT OPPORTUNITIES:** Electricians work for construction and maintenance contractors, manufacturers, resource companies and other large organizations. They must be willing to relocate where work is available. Membership in a trade union is voluntary; however, some contractors employ only union people. Journeyperson wages vary, generally range from \$30-\$50/hr. and may include benefits. Electricians may advance to positions such as foreman, superintendent, estimator, electrical inspector, technical instructor or move into a management role. Some electricians start their own contracting businesses. In Alberta, a valid Master Electrician Identification Number is required to pull electrical work permits. Alberta-certified electricians may apply to the Alberta Safety Codes Council to become a Master Electrician following 3 years of certification. Journeypersons may apply to the Association of Science and Engineering Technology Professionals of Alberta (ASET) for Certified Technician (C. Tech) designation or enroll in a trades-to-degree program.

**PROGRAM DELIVERY:** Traditional classroom setting with electrical shop and lab practical applications and demonstrations.

**ADMISSION REQUIREMENTS:** Eligible students are selected by Alberta Apprenticeship and Industry Training. They must meet the entrance requirements for their specific trade, be indentured by an employer and eligible to attend the period of training they are applying for.

**RECOMMENDED PATH:** Alberta High School Diploma with:

- English 30-2
- Math 30-3
- Physics 30 OR Chemistry 30 OR Science 30
- Related Career and Technology Studies courses.

**MINIMUM REQUIREMENTS:** Registered Apprentice in the Trade. Eligible students are determined by Alberta Apprentice Industry Training (AIT) Entrance Exam. See [www.tradesecrets.ab.ca](http://www.tradesecrets.ab.ca) for more details \* **For either route, all applicants** must also be employed as an Apprentice with an approved employer and registered with Alberta Apprenticeship and Industry Training.

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

Tuition	\$1,104.00
Materials	\$ 95.00
Technology Fee	\$ 96.00
Textbooks (mandatory-include GST)	\$ 306.97
Student Association Fee	\$ 100.00
<b>TOTAL ESTIMATED COSTS:</b>	<b>\$1,701.97</b>

*Optional if previously purchased:*

Handi-Guide to Alberta's OH&S Act Ed 2022	\$ 60.10
Professional Electrical Control Template	\$ 17.73
Canadian Electrical Code 2021 Ed.25	\$ 224.69

**PROGRAM OFFERINGS:** Slave Lake

**OFFERING DATES:** October 28, 2024 – December 20, 2024

**APPLICATION PROCESS:**

- **APPLICATION:** Complete and submit the Northern Lakes College application (on the college website - follow: <https://www.northernlakescollege.ca/apply-now/program-applications>.) Applications may also be submitted directly through Apply Alberta [www.ApplyAlberta.ca](http://www.ApplyAlberta.ca).
- **APPRENTICESHIP EXAM:** Applicants needing 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)
- **APPLICANTS** for the apprenticeship program must be registered with **Alberta Apprenticeship and Industry Training (AIT)**. Application forms can be downloaded from the Alberta Apprenticeship & Industry Training (AIT) website, [www.tradesecrets.gov.ab.ca](http://www.tradesecrets.gov.ab.ca).
- **ACCEPTANCE:** Applicants who meet the requirements will be accepted upon payment of fees 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' should any seats become available. 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. Please visit the NLC website: <https://www.northernlakescollege.ca/prospective-students/financial-aid-scholarships-funding/scholarships-awards> Financial Aid, Scholarships and Funding page to learn more.
- **ORIENTATION:** Before the start date of the program, accepted applicants will receive information about registration dates, times, locations and other information to assist them.

**CONTACT INFORMATION:**

For any assistance, questions or concerns, the following college staff are available toll-free 1-866-652-3456

**Program Administrator:** **Trades and Resource Technology 1-780-843-8365**  
email: [tradesaccount@northernlakescollege.ca](mailto:tradesaccount@northernlakescollege.ca)  
Questions about program content, Employment Opportunities for the program.

**Other Inquiries:** **Admissions 1-866-652-3456**  
email: [admissions@northernlakescollege.ca](mailto:admissions@northernlakescollege.ca)  
General inquiries about College services & programs; student housing, library, and facilities