

## 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 are already signed up as an apprentice, and ready to attend your Fourth Period of technical training, then Northern Lakes College is where you want to be! Further Educational Training Opportunities 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.

### PROGRAM OF STUDY:

ELMA4100	Section 1 Machines
ELCS4200	Section 2 Control and Switching/PLC
ELFA4300	Section 3 Fire Alarm Systems & Red Seal Program & Industry Network
ELAE4400	Section 4 Applications of Electronics
ELCA4500	Section 5 Canadian Electrical Code Part 1 – Applications & Safety
ELLB4600	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 have access to a wide variety of employment in Alberta such as working in oil and gas, forestry, logging and lumber, residential, commercial, light and heavy industrial, mining, institutional, maintenance, power line and generation and in the growing field of alternative energy. Electricians are needed in virtually every industry.

**PROGRAM DELIVERY:** Traditional classroom setting and electrical shop/ lab demonstrations.

**ADMISSION REQUIREMENTS:** Must have successfully completed Electrician Apprenticeship Third Period and be eligible through Alberta Apprenticeship and Industry Training (AIT). Must be registered as an apprentice with Apprenticeship and Industry Training (AIT) in the appropriate period of training. For information, contact the local Apprenticeship Branch or visit [www.tradesecrets.gov.ab.ca](http://www.tradesecrets.gov.ab.ca). (Slave Lake office – 780-849-7228)

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

Tuition	\$1,656.00
Materials	\$ 142.50
Technology Fee	\$ 144.00
Textbooks (mandatory – includes GST)	\$ 322.80
Student Association Fee	\$ 150.00
<b>TOTAL ESTIMATED COSTS:</b>	<b>\$2,415.30</b>

#### *Optional if previously purchased:*

Handi-Guide to Alberta's OH&S Act 2022 Edition	\$ 60.10
Calculator Sharp EL520XTBBK EL520	\$ 23.64
Canadian Electrical Code 2021 Ed. 25	\$ 218.78

**PROGRAM OFFERINGS:** Slave Lake

**OFFERING DATES:** March 31, 2025 – June 20, 2025

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