

Full Time 2024 - 2025

PROGRAM LENGTH: 8 weeks

BRIEF DESCRIPTION: This program provides second period electrician apprenticeship students with the skills and theory necessary to write the second period electrician apprenticeship exam. Topics covered include; alternating current circuit properties, resistive inductive circuits, Canadian Electrical Code Part 1, plans and diagrams, heating and cooling controls, magnetic control and switching circuits.

PROGRAM OF STUDY:	ELAC2100	Section 1	Alternating Current and Circuit Properties
	ELRC2200	Section 2	RLC Circuits
	ELHC2300	Section 3	Heating and Cooling Systems
	ELMS2400	Section 4	Magnetic Control and Switching Circuits
	ELCD2500	Section 5	Canadian Electrical Code Part 1 – Plans and Diagrams
	ELLB2600	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 in Oil and Gas, Forestry, Logging and Lumber, Residential, Commercial, Light Industrial, 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. Work-integrated learning, Workplace Communications and Industrial Safety Certifications are new components of this program.

ADMISSION REQUIREMENTS: Must have successfully completed Electrician Apprenticeship 1st 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. (Slave Lake office – 1-800-248-4823). **NOTE: INTERNATIONAL APPLICANTS:** To apply for a trade program, applicants must be a Canadian citizen or Landed Immigrant.

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

Tuition	\$1,104.00
Materials	\$ 95.00
Technology Fee	\$ 96.00
Textbooks (mandatory-include GST)	\$ 274.37
Student Association Fee	\$ 100.00
TOTAL ESTIMATED COSTS:	\$1,669.37

<i>Optional if previously purchased:</i>	
Handi-Guide to Alberta's OH&S Act 2022 Ed.	\$ 60.10
Calculator Sharp EL520XTBBK EL520	\$ 27.83
Canadian Electrical Code 2021 Ed. 2021	\$ 224.69

PROGRAM OFFERINGS: Slave Lake

OFFERING DATES: September 3, 2024 – October 25, 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.
- **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.
- **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

Questions about program content, employment opportunities for the program

Other Inquiries:

Admissions Services 1-866-652-3456

email: admissions@northernlakescollege.ca

General inquiries about College services & programs; student housing, library, and facilities