

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

Program Name: Electrician Foundation Trades Training
Credential/Certification: Certificate in Electrician Foundation Trades
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Program Description: This program consists of Foundation Trades Training and Level 1 Apprenticeship training. The program prepares students for entrance into the field of Electrician by providing them with the basic knowledge, skills and technical training that employers are seeking in new hires. Students will be exposed to substantial hands-on exercises that directly relate to the workplace and includes a practicum course of 60 hours.

Upon successful completion of the program, and a further 290 hours of work-based training, students may enter Level 2 Electrician Apprenticeship training.

Admission Requirements:

Math – one of the following:

Pre-Calculus Math 11 or Pre-Calculus Math 12 with a minimum final grade of c+, or equivalent.

MATH 040 or higher, with a minimum final grade of C+, or equivalent.

English – one of the following:

Language Arts 11 Courses – 4 credits earned, minimum individual grade of C+, or equivalent.

Language Arts 12 Courses – 4 credits earned, minimum individual grade of C+, or equivalent.

ENGL 040 or higher, with a minimum final grade of C+, or equivalent.

IELTS score of 5.5 overall with no band less than 5.0 or equivalent English placement test and score.

Science – one of the following:

Grade 11 Physics or Grade 12 Physics with a minimum final grade of c+, or equivalent.

Physics 040 or higher with a minimum final grade of C+, or equivalent.

OR

ESTR 047 (Advanced-Level Essential Skills for Trades) with a minimum final grade of 67%.

OR

Canadian Adult Achievement Test (CAAT):

- Reading Comprehension: 12.0 grade equivalent or higher
- Number Operations: 12.0 grade equivalent or higher
- Problem Solving: 12.0 grade equivalent or higher
- An above average score (51/70; 6th Stanine) required for Mechanical Reasoning and the NLC Trades Math Assessment with a score of 70% or higher

Post-Admission Requirements:

After being accepted into the program but before the Electrician Practicum (ELFT 150) begins, students will be required to provide proof of the following certifications:

- Workplace Hazardous Materials Information System (WHMIS).
- Occupational First Aid - Level 1
- H2S Alive

* All certificates must be valid for the duration of the Electrician Foundation Program. Failure to provide proof may result in suspension or removal from the program.

Length of Program: (weeks and total hours)

20 weeks

600 hours

Program Intake: (start/finish dates) Refer to the Trades Schedule

Available Seats: 16

Application Deadline: All completed applications must be received one month prior to the start of the program. Completed applications received after this date will be reviewed based on seat availability.

Career Prospects: An electrician lays out, installs, tests, troubleshoots, and repairs electrical systems which provide lights, heat, communications, and power to a variety of new and existing residential, commercial, and industrial structures. With advances in technology, the work of the electrician is changing, as today's wired environment

requires electricians to be able to install a variety of wiring such as data, audio, video, signaling, and communication cabling. Electrical control systems are also becoming more complex, often solid-state or computer controlled, which requires electricians to have a greater knowledge of electronic systems.

Affiliations/Partnerships:

Industry Training Authority, SD 59, SD 60, SD 81 and SD 87

Location: Northern Lights College, Fort St. John

Additional Requirements/Supplies: (fees, supplies, materials)

Textbooks

Safety glasses, Steel-toed boots, Gloves, Coveralls

Students are required to have a computer (PC or laptop) with minimum computer requirements as listed on the NLC website (www.nlc.bc.ca/Services/Information-Technology/minPC).

Eligibility for Canada Student Loans: (Yes or No)

Yes

Required Minimum Grade: (overall and/or minimum within a course)

70% minimum within each course

Residency Requirement: (percentage of courses which must be taken at NLC)

100%

Required Courses: (list courses required to complete credential and total hours for each course)

ELFT 101 Electrician Foundation Trades Training (240 hrs)

ELFT 102 Electrician Level 1 (300 hrs)

ELFT 150 Electrician Practicum (60 hrs)