

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

Program Name: Wind Turbine Maintenance Technician
Credential/Certification: Advanced Certificate in Wind Turbine
Maintenance
Date Submitted: September 2020
Effective Date: February 2021

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Program Description: Students in the Wind Turbine Maintenance Technician program explore the theory supporting wind turbines and the practical maintenance procedures required to maintain turbine output. Safe work practices are stressed throughout. Upon completion of the program, students are prepared to enter the field as wind turbine technicians and to progress to higher levels of certification within the industry.

The program starts with the Electrician foundation training, Wind Turbine specific job site safety, and Electrician level 1 training. Students then go on a 6 week practicum through the summer months and return in fall for foundation level Millwright, and a final 2 weeks of practicum with the same host as in summer.

Admission Requirements:

Grade 11 English, or Career and College Preparation English 040 (Advanced English), with C+ or higher;

Grade 11 Math (Pre-Calculus 11), or Career and College Preparation Math 040 (Advanced Algebraic Mathematics), with C+ or higher;

Grade 11 Physics (or equivalent), with C+ or higher;

OR

ESTR 047 (Advanced-Level Essential Skills or Trades) with 67% or higher;

OR

Complete the following sections of the 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
- A score of 70% or higher in the Electrical Math Assessment.

Dual Credit

- Grade 11 level completion that includes Grade 11 English, Grade 11 Math (Pre-Calculus 11) and Grade 11 Physics with C+ or higher.

Length of Program: (weeks and total hours) Approx. 51 weeks, 1576 hours (includes 8 weeks practicum)

Program Intake: (start/finish dates)

Start: February

Finish: March the following year

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: Wind Turbine Maintenance Technician. Demand is strong not only in North America, but in Europe as well.

Affiliations/Partnerships:

Lethbridge College

Vestas Americas

Great Plains College

Industry Training Authority

Location: Dawson Creek and Fort St. John campuses

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

- Textbooks
- Safety Gear (CSA approved steel toe boots and glasses)

- Instruction Related Fees for Electrician, Millwright and Wind Turbine cover supplies used in the program.

Eligibility for Canada Student Loans: (Yes or No)

Yes

Required Minimum Grade: (overall and/or minimum within a course)
70% within each course and a passing grade in WTMT 150 & WTMT 151

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 Foundation Level 1 (300 hrs)

MILL 101 Millwright Foundation (720 hrs)

MILL 161 Millwright Practicum (80 hrs)

WTMT 150 Jobsite Safety (36 hrs)

WTMT 151 Practicum - 6 weeks (200 hrs)