

PROGRAM PURPOSE

Wind power technology is a certificate program that prepares technicians to enter this rapidly emerging industry. The program offers broad fundamental training in the electrical, electronic, and mechanical aspects of the wind power industry, with a focus on wind turbine maintenance and electrical power production.

The program offers electricity, industrial electronics, industrial safety mathematics, and general core education core courses. This program also provides training on turbine drive systems including networking and PLCs, hydraulic systems, and power distribution systems.

As the demand for clean, sustainable energy sources grows, so does the need for skilled technicians in the wind power industry. This program equips you with the essential skills and knowledge to maintain and operate wind turbines, contributing to a greener planet. By choosing this path, you're not only securing a promising career in a rapidly expanding field but also playing a crucial role in reducing our reliance on fossil fuels and combating climate change. Embrace the future of energy and make a meaningful impact with Wind Power Technology.

CAREER OPPORTUNITIES

Graduates of a Wind Power Technology certificate program are poised to enter a rapidly growing field with a variety of exciting career opportunities. With the global shift towards renewable energy, there is high demand for skilled professionals to support the expansion and maintenance of wind energy systems.

Graduates of the program may find employment opportunities with:

- Wind farm operators
- Turbine manufacturers
- Contractor providing maintenance and turbine support.

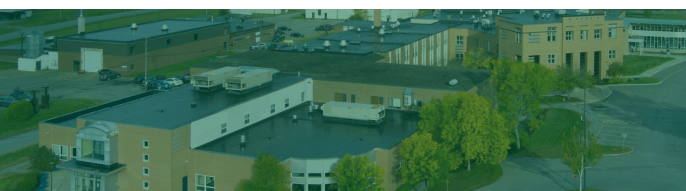
Graduates will be suited to enter the workforce locally or to enter the global energy industry.



APPLICATION PROCEDURE

The following procedures constitute the admissions process:

- 1 Submit an NMCC application.
Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).
- 2 Official college transcripts for applicants who have attended other post-secondary schools.
- 3 If SAT scores are not available, placement testing may be required.
- 4 Meet with an Admissions Counselor.
- 5 A campus tour is highly recommended.
- 6



GET IN TOUCH

207-768-2785

www.nmcc.edu
nmccadmissions@mainecc.edu

33 Edgemont Drive
Presque Isle, ME 04769

WIND POWER TECHNOLOGY
2024-2025
Certificate Program

First Semester				C	L	CR
>	ELS 115	(ELEC 115)	Basic Electricity/Electronics	3	0	3
>	ELS 116	(ELEC 116)	Basic Electricity/Electronics Lab	0	6	2
	MAT 122	(MATH 130)	Technical Mathematics	2	2	3
>	WPT 110	(WPTC 110)	Safety Fundamentals for Wind Technicians	2	3	3
>	WPT 114	(WPTC 114)	Introduction to Wind Power Industry	2	3	3
>	WPT 119	(WPTC 119)	Wind Turbine Drive Systems	2	3	3
				11	17	17

Second Semester				C	L	CR
>	ELS 124	(ELEC 124)	Industrial Electronics	2	3	3
>	ELS 125	(ELEC 125)	Motors & Controls	2	3	3
	ENG 111	(ENGL 101)	English Composition	3	0	3
>	WPT 213	(WPTC 213)	Wind Power Control Systems	2	3	3
>	WPT 214	(WPTC 214)	Wind Power Delivery Systems	2	3	3
>	WPT 215	(WPTC 215)	Troubleshooting Automated Systems	2	3	3
				13	15	18

Total Required **35**

> **Major courses; a minimum grade of "C" or 2.0 is required**
Key: C=Class hours; L=Laboratory; CR=Credit hours

