

WIND POWER TECHNOLOGY

CAREER OPPORTUNITIES

Graduates of the program will find employment opportunities with:

- Wind farm operators
- Turbine manufacturers
- Contractors providing maintenance & turbine support

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



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HIGH DEMAND FIELD!

Questions?

**Contact
admissions@nmcc.edu**

APPLICATION PROCEDURE

The following procedures constitute the admissions process:

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

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 education core courses. This program also provides training on turbine drive systems including networking and PLCs, hydraulic systems, and power distribution systems.

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WIND POWER TECHNOLOGY

2023-2024

Certificate Program

First Semester

> ELS	115	Basic Electricity / Electronics	3	0	3
> ELS	116	Basic Electricity / Electronics Lab	0	6	2
MAT	121	Technical Mathematics	4	0	4
> WPT	110	Safety Fundamentals for Wind Technicians	2	3	3
> WPT	114	Introduction to Wind Power Industry	2	3	3
> WPT	119	Wind Turbine Drive Systems	2	3	3
			13	15	18

Second Semester

> ELS	124	Industrial Electronics	2	3	3
> ELS	125	Motors & Controls	2	3	3
ENG	111	English Composition	3	0	3
> WPT	213	Wind Power Control Systems	2	3	3
> WPT	214	Wind Power Delivery Systems	2	3	3
> WPT	215	Troubleshooting Automated Systems	2	3	3
			13	15	18

Total Required

36

> Major courses; a minimum grade of "C" or 2.0 is required

Key: C= Class Hours, CR= Credit Hours, L= Laboratory

nmcc.edu

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NMCC is an equal opportunity/affirmative action institution and employer. For more information, please call 768-2791.

2023-2024