

WIND POWER TECHNOLOGY



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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 and electrical 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.

NMCC's wind power technology program is the only one offered in the Northeast region!

CAREER OPPORTUNITIES

Graduates of the program will find employment opportunities with:

- wind farm operators
- turbine manufacturers
- contractors providing maintenance and turbine support

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



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APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application along with a \$20 application fee.
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. Individual interview required.
6. A campus tour is highly recommended.
7. Due to physical requirements of this program, students must meet medical and physical requirements.

Questions? Contact admissions@nmcc.edu

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2021-2022 Curriculum

Certificate Program

<u>First Semester</u>		<u>C</u>	<u>L</u>	<u>CR</u>
◆ ELS 117	Basic Electricity	2	4	4
MAT 118	Electrical Math	4	0	4
◆ WPT 110	Safety Fundamentals for Wind Technicians	2	3	3
◆ WPT 114	Intro to Wind Power Industry	2	3	3
◆ WPT 119	Wind Turbine Drive Systems	<u>2</u>	<u>3</u>	<u>3</u>
		12	13	17
<u>Second Semester</u>				
◆ ELS 124	Industrial Electronics	2	3	3
◆ ELS 125	Motors and 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 Auto. Systems	<u>2</u>	<u>3</u>	<u>3</u>
		13	15	18
TOTAL REQUIRED			35	

◆ Major courses; a minimum grade of "C" or 2.0 required.

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

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

207-768-2785

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