



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. An application form must be submitted accompanied by a nonrefundable \$20 application fee.
2. An official high school transcript must also be submitted (current seniors' transcripts should include completed ranking periods).
3. HiSET/GED test scores must be submitted by applicants who are not high school graduates.
4. Official college transcripts must be submitted by applicants who have attended other colleges or post-secondary schools.
5. Placement testing or appropriate SAT scores, individual interviews and campus tours are required, in most cases, prior to being admitted.
6. Admissions decisions are made as quickly as possible once a candidate's file is complete.
7. Accepted applicants are required to make a deposit within thirty days of acceptance. Students requesting on campus housing are required to submit an additional deposit to reserve space in the residential complex.
8. A medical clearance form, with independent verification of physical capability, is required. The U.S. Dept. of Labor indicates that the duties of a wind power technician require "Heavy Work." In addition, these technicians must have the mental aptitude and physical attributes to be able to work at heights. See our web-site at: **nmcc.edu** for more details.

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2017-2018 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
ENG 111	English Composition	3	0	3
SAE 117	Occupational Safety	1	0	1
♦ 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>
		12	12	16

TOTAL REQUIRED 33

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

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

207-768-2785

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