



Success begins here

ABOUT THE PROGRAM

Wind power technology is an associate degree level 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 first and second semesters of the program offer electrical and electronics basics, industrial electronics, fundamentals of digital systems, industrial safety, electrical mathematics, introduction to wind power systems, along with general education core courses. The third and fourth semesters provide training on wind power mechanical systems, turbine control systems including networking and PLCs, hydraulic systems, electrical power distribution systems, wind turbine management, and the National Electrical Code.

CAREER OPPORTUNITIES

Graduates of the program will find employment opportunities with wind farm operators, turbine manufacturers, and contractors providing maintenance and turbine support. Graduates of the program will be suited to enter the workforce locally or to enter the global energy industry.

ADMISSIONS POLICY

Completion of a four-year high school program or a state high school equivalency certificate is required for admission into NMCC's wind power technology program. Applicants are required to have two years of high school math, including algebra I; algebra II, geometry and physics are also desired. A rolling admissions policy affords candidates the opportunity to apply and be accepted throughout the year, but early application (9-10 months prior to the school year) is recommended because of competition and strict enrollment capacities established for each program.

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. 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 www.nmcc.edu for more details.

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

WIND POWER TECHNOLOGY

2016-2017 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 210	Wind Turbine Mechanical 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 214	Wind Power Delivery Systems	2	3	3
♦ WPT 215	Troubleshooting Auto. Systems	2	3	3
♦ WPT 216	Intro to SCADA Systems	<u>2</u>	<u>3</u>	<u>3</u>
		12	12	16

TOTAL REQUIRED	33
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♦ *Major courses; a minimum grade of "C" or 2.0 required.*