

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Wind Turbine Technician  
Certificate of Achievement

Curriculum Code: 1473 (Effective Fall 2016 – Summer 2021)

This certificate is intended to prepare students to work as an entry-level wind turbine technician. Wind turbine technicians are involved in various aspects of the installation and maintenance of all types and sizes of wind turbines. Technician need a working knowledge of all wind turbine concepts and design principles.

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Energy Management Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: [www.lcc.edu/design/alternative/](http://www.lcc.edu/design/alternative/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

**TOTAL: 42 CREDITS**

CODE	TITLE	CREDIT HOURS
AEET 219	Wind Energies	3
DCTM 102	Industrial/Construction Safety (See Note 1)	2
ELTE 108	Practical Electricity I	2
ELTE 109	Practical Electricity II	2
ELTE 131	Machine Controls I	4
ELTE 141	National Electrical Code I	4
ELTE 150	Electric Motor Maintenance	2
ELTE 260	Programmable Controllers I	4
METS 110	Mechanical Power Transmissions (See Note 1)	4
METS 130	Industrial Hydraulics (See Note 1)	4
METS 140	Rigging (See Note 1)	3
METS 210	Lubrication and Bearings (See Note 1)	4
WELD 103	Combination Welding	4
<b>MINIMUM TOTAL</b>		<b>42</b>

**NOTES:**

1. Students who have already completed ELTE 102, HVAC 102, METS 102, or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these courses may also be used to fulfill the prerequisite for ELTE 108, ELTE 109, METS 110, METS 130, METS 140 and METS 210.
2. To receive a certificate of achievement from Lansing Community College, a student must maintain a grade point average of 2.0 or above in the courses required for the certificate.

**SUGGESTED COURSE SEQUENCE**

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

<b>I – Fall</b>	<b>II – Spring</b>	<b>III – Fall</b>
DCTM 102	ELTE 131	AEET 219
ELTE 108	ELTE 141	ELTE 260
ELTE 109	ELTE 150	METS 130
METS 110	METS 210	METS 140
WELD 103		