

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Wind Turbine Technician
Certificate of Achievement

Curriculum Code: 1473 (Effective Fall 2009 – Summer 2014)

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* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338.

REQUIREMENTS

| CODE | TITLE | TOTAL: 41 CREDITS CREDIT HOURS |
|----------------------|--------------------------------|-----------------------------------|
| AEET 219 | Wind Energies | 3 |
| ELTE 102 | Industrial/Construction Safety | 2 |
| ELTE 110 | Practical Electricity | 3 |
| 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 | 4 |
| METS 130 | Industrial Hydraulics | 4 |
| METS 140 | Rigging | 3 |
| METS 210 | Lubrication and Bearings | 4 |
| WELD 103 | Combination Welding | 4 |
| MINIMUM TOTAL | | 41 |

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 or counselor for help with adjustments.

| I – Fall | II – Spring | III – Fall |
|----------|-------------|------------|
| ELTE 102 | ELTE 131 | AEET 219 |
| ELTE 110 | ELTE 141 | ELTE 260 |
| METS 110 | ELTE 150 | METS 130 |
| WELD 103 | METS 210 | METS 140 |