

# ALTERNATIVE ENERGY TECHNOLOGY - WIND TURBINE, SHORT-TERM TECHNICAL CERTIFICATE

Curriculum Code #6352

(Not offered 2021-2022)

Division of Engineering, Business and Information Technologies (<http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/>)

The wind turbine technology short-term technical certificate encompasses a wide range of electrical, mechanical and computer skills required to compete in the emerging alternate energy – wind turbine industry. Individuals will be prepared for a range of analysis, installation and maintenance assignments associated with the wind turbine industry. Typical job responsibilities will include design, testing, R&D, service, maintenance and installation assignments. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

| Fall Semester   |  | Hours |
|-----------------|--|-------|
| ALET 111        | INTRODUCTION TO ALTERNATIVE ENERGY                 | 3     |
| ELCT 111        | ELECTRICAL CIRCUITS I                              | 3     |
| MTHM 121        | TECHNICAL MATHEMATICS I <sup>1</sup>               | 4     |
| SDEV 101        | COLLEGE 101 <sup>2</sup>                           | 1     |
| TECN 111        | TECHNICAL PROBLEM SOLVING                          | 3     |
| Hours           |  | 14    |
| Spring Semester |  | Hours |
| ALET 112        | ALTERNATIVE ENERGY MECHANICAL SYSTEMS <sup>1</sup> | 4     |
| ELCT 121        | DIGITAL ELECTRONICS <sup>1</sup>                   | 4     |
| PEFT 185        | ROPES COURSE                                       | 1     |
| TECN 121        | FLUID POWER  | 3     |
| Hours           |  | 12    |
| Total Hours     |  | 26    |

<sup>1</sup> Indicates that this course requires a prerequisite.

<sup>2</sup> A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/>).