

# MANUFACTURING ENGINEERING TECHNOLOGY - INDUSTRIAL ELECTRICAL TECHNICIAN, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6115

Effective May 2024

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

The industrial electrical technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level electrical maintenance technician. The graduate will repair, test, adjust, or install electronic equipment. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

## Preferred Sequence

Fall Semester		Hours
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CMMC 151	ORAL COMMUNICATION	3
ELCT 111	ELECTRICAL CIRCUITS I	3
ENGL 161	COLLEGE COMPOSITION I	3
ENGR 120	INTRODUCTION TO ENGINEERING	1
MTHM 155	TECHNICAL MATHEMATICS I	4
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY <sup>1</sup>	1
<b>Hours</b>		<b>18</b>
Spring Semester		Hours
AETC 121	PROGRAMMABLE LOGIC CONTROLLERS	3
ELCT 112	ELECTRICAL CIRCUITS II <sup>2</sup>	4
ELCT 211	ELECTRICAL POWER AND DEVICES <sup>2</sup>	4
ELCT 223	ELECTRICAL BLUEPRINT READING	2
TECN 133	MECHANICAL SYSTEMS	3
<b>Hours</b>		<b>16</b>
<b>Total Hours</b>		<b>34</b>

1

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.

2

Indicates that this course has a prerequisite.

Program Contact(s):

**David Astorino**

440-366-7215

dastorin@lorainccc.edu

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/>).

More program information can be found on our website. (<https://www.lorainccc.edu/engineering/manufacturing-engineering/industrial-electrical-technician-one-year-certificate/>)

Credit for Prior Learning (PLA) options may be available for your program.

For more information, please visit our website: [www.lorainccc.edu/PLA](http://www.lorainccc.edu/PLA) (<http://www.lorainccc.edu/PLA/>)

## Program Learning Outcomes

1. Communicate effectively in an industrial manufacturing environment.
2. Apply math, science, and engineering, technology principles to solve problems in an industrial manufacturing facility.
3. Function effectively when performing the tasks of an industrial electrical technician by applying relevant technical knowledge and skills in the industrial manufacturing setting.
4. Perform industrial electrical manufacturing tasks in a safe manner.