

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

Curriculum Code #6116

Effective May 2023

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

The industrial mechanical technician program is designed to provide students with the knowledge and skills necessary for the competent performance as an entry-level mechanical maintenance technician. The graduate will be able to perform journeyman level work in installing, repairing, maintaining, and testing of mechanical systems. 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
ELCT 124	INDUSTRIAL ELECTRICITY	3
ENGR 120	INTRODUCTION TO ENGINEERING	1
MTHM 155	TECHNICAL MATHEMATICS I	4
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY <sup>1</sup>	1
WTEC 108	OXY-FUEL WELDING AND CUTTING <sup>2</sup>	2
WTEC 111	WELDING SPECIFICATIONS/PRINT READING	2
<b>Hours</b>		<b>16</b>
Spring Semester		
CMMC 151	ORAL COMMUNICATION	3
ENGL 161	COLLEGE COMPOSITION I	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
TECN 121	FLUID POWER <sup>2</sup>	3
TECN 131	MANUFACTURING PROCESSES I <sup>2</sup>	3
TECN 133	MECHANICAL SYSTEMS	3
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>33</b>

<sup>1</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.

<sup>2</sup>

Indicates that this course has a prerequisite or may be taken concurrently.

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/>).

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

## Program Learning Outcomes

1. Demonstrate knowledge, techniques, skills, and use of the appropriate tools to install, repair, maintain and test mechanical systems
2. Demonstrate an ability to function effectively as a member of a technical team