

MANUFACTURING ENGINEERING TECHNOLOGY - INDUSTRIAL MECHANICAL TECHNICIAN, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #6216

Effective May 2024

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 LCCC's University Partnership.

First Year

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 ¹	1
WTEC 108	OXY-FUEL WELDING AND CUTTING ²	2
WTEC 111	WELDING SPECIFICATIONS/PRINT READING	2
Hours		16

Spring Semester		Hours
ENGL 161	COLLEGE COMPOSITION I	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
TECN 121	FLUID POWER ²	3
TECN 131	MANUFACTURING PROCESSES I ²	3
TECN 133	MECHANICAL SYSTEMS	3
Hours		14

Summer Semester		Hours
TECN 287	WORK BASED LEARNING I - TECN ^{3,4}	1
Hours		1

Second Year

Fall Semester		Hours
CMMC 151	ORAL COMMUNICATION	3
QLTY 122	BASIC QUALITY TOOLS AND APPLICATIONS	3
PHYC 150	GENERAL PHYSICS I ³	4
WTEC 116	BASIC SHIELDED METAL ARC WELDING ²	3

Arts and Humanities Elective ⁵	3	
Hours		16
Spring Semester		
EMCH 112	ENGINEERING MATERIALS	3
QLTY 236	RELIABILITY CENTERED MAINTENANCE ²	3
TECN 220	INDUSTRIAL PIPING & TUBING	3
WTEC 216	WIRE FED PROCESSES ³	3
Social Sciences Elective ⁶	3	
Hours		15
Total Hours		62

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 or may be taken concurrently.

3

Indicates that this course requires a prerequisite.

4

This course offers an opportunity for experiential learning

5

Select any Arts and Humanities Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

6

Select any Social Science Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

Program Contact(s):

Brian Iselin

440-366-7027

biselin@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/associate-of-applied-science-in-manufacturing-engineering-technology-industrial-mechanical-technician/>)

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/>)

Demonstrate an ability to apply Math and Blue-print reading to perform mechanical systems Journeyman-level installation and maintenance.

Demonstrate an ability to apply engineering technology principals to test troubleshoot mechanical systems.

Demonstrate the ability to communicate effectively in an industrial setting in writing, orally, and graphically.