

MULTICRAFT INDUSTRIAL MAINTENANCE TECHNICIAN, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #6194

Effective May 2025

The Multicraft Industrial Maintenance program is designed to provide students with the knowledge and skills necessary for competent performance in industrial systems maintenance from a Multicraft perspective. The program's broad focus ensures students are well-versed in mechanical, electrical, and automated systems. Graduates will be able to perform journeyman-level work in installing, repairing, maintaining, and testing a wide variety of industrial 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
TECN 111	TECHNICAL PROBLEM SOLVING	3
SAFE 146		3
AETC 115		3
MTHM 155	TECHNICAL MATHEMATICS I	4
ENGL 161	COLLEGE COMPOSITION I	3
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ¹	1
Hours		17

Spring Semester

TECN 121	FLUID POWER SYSTEMS	3
TECN 133	MECHANICAL SYSTEMS	3
TECN 115	INDUSTRIAL BLUEPRINT READING	2
TECN 131	MANUFACTURING PROCESSES I ²	3-4
or MEMS 136	or	
ELCT 111	ELECTRICAL CIRCUITS I	3
AETC 121	PROGRAMMABLE LOGIC CONTROLLERS	3
Hours		17-18

Summer Semester

TECN 287	^{3,4}	1
Hours		1

Second Year

Fall Semester

AETC 211	WORKCELL INTERFACING ³	3
AETC 223	PROGRAMMABLE LOGIC CONTROLLERS II ³	3
PHYC 150	GENERAL PHYSICS I ³	4
ENGL 164	COLLEGE COMPOSITION II WITH TECHNICAL TOPICS ³	3
Hours		13

Spring Semester

ELCT 211	ELECTRICAL POWER AND DEVICES ³	4
----------	---	---

TECN 211	FLUID POWER CONTROL SYSTEMS ³	2-3
or WTEC 216	or WIRE FED PROCESSES	
or MEMS 146	or	
AETC 232	³	3
Social Sciences Elective (HSTR 260G Preferred) ⁶		3
Arts and Humanities Elective ⁵		3
Hours		15-16
Total Hours		63-65

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 12 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/>).

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/>)

Program Learning Outcomes

1. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to Multicraft industrial Maintenance.
2. Design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to Multicraft Industrial Maintenance.
3. Apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. Function effectively as a member of a technical team.