

MULTICRAFT INDUSTRIAL MAINTENANCE PROFESSIONAL, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6192

Effective May 2025

The Multicraft Industrial Maintenance Professional program is designed to give students the basic knowledge and skills needed for maintenance jobs in industrial settings. The program covers key areas such as mechanical systems, electrical systems, and automated equipment. Students will learn how to install, repair, and maintain different types of industrial machinery and systems. By the end of the program, graduates will be prepared to work as maintenance technicians in various industries. 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	SAFETY IN GENERAL INDUSTRY	3
AETC 115	INDUSTRIAL ROBOTICS I	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
ELCT 111	ELECTRICAL CIRCUITS I	3
AETC 121	PROGRAMMABLE LOGIC CONTROLLERS	3
Hours		17
Total Hours		34

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):

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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/>).

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. Apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
3. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.