



Maintenance Technician

Short-Term Technical Certificate

Program Overview

The Maintenance Technician Certificate trains individuals to repair, troubleshoot, and maintain automated equipment commonly used in industry.

Within this field, there are a wide range of functions related to the control and maintenance of production, distribution and/or manufacturing conducted by automated processes. Individuals working in companies may develop and test industrial process control systems, conduct the installation and operation of such systems. They may calibrate operating systems and components and troubleshoot for improvement and functionality of these systems. Others work with programmable logic controllers involving work with special-purpose computers to synchronize all of the technologies used for a manufacturing process.

Mass production is the basis for most every business, from car companies to computer giants. The automation industry is one of the fastest growing areas of our national and international high-technology economy. It combines the fields of electronics, electrical, and mechanics and includes the interaction and control of motors, computers, pneumatics, hydraulics and other processes used in manufacturing.

Earnings/Job Outlook

In Ohio, occupations are projected to increase by 16.7% percent from 2012-2022. In 2014, annual salaries in Ohio ranged from \$40,108.00 to \$51,688.00.

(Source: Ohio Labor Market Information)



Key Principles for Students:

- **Coursework leads to a degree pathway**
- **Financial Aid available to those that qualify**
- **Dedicated Academic Advisor to work with you every step of the way!**

What jobs are available at the end?

Maintenance Technician
Maintenance Mechanic
Maintenance Electrician
Maintenance Supervisor
Process Technician
Industrial Machining Mechanic
Equipment Engineering Technician

Interested in learning more?

Contact Chrissy Cooney
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Maintenance Technician

Short-Term Technical Certificate: #6181

This short-term certificate coursework can be applied to Lorain County Community College's Associate of Applied Science (AAS), Automation Engineering Technology – System Specialist Major.

CURRICULUM GUIDE:

Credit Course Number	Credit Course Title	Credit Hours
Semester One		
AETC 111	Robotics and Automated Manufacturing	3
AETC 121	Programmable Logic Controllers	3
* ELCT 111	Electrical Circuits I	3
★ SDEV 101	College 101	1
* TECN 121	Fluid Power	3
		13
Semester Two		
> AETC 223	Programmable Logic Controllers II	3
> AETC 241	Instrumentation and Control	3
> ELCT 211	Electrical Power and Devices	4
* TECN 133	Mechanical Systems	3
> TECN 211	Fluid Power Control Systems	2
		15
Total Semester Credit Hours		28

Notes:

1. > Indicates that this course requires a prerequisite.
2. * Indicates that this course requires a prerequisite or may be taken concurrently.
3. ★ 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 thirteen or more credit hours.
4. Students must have completed either MTHM 033 or MTHM 058 with a C or higher or have satisfactory placement assessment score in mathematics prior to entering into program

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