



MECHATRONICS

Today's Industrial Maintenance Technician

Increasingly sophisticated equipment, leaner operational budgets, competitive forces, and an exodus of talent due to a retiring generation has placed a significant strain on manufacturers. This convergence has created strong demand for an expanded role of the industrial maintenance technician. Maintenance technicians are increasingly required to not only understand, but have a mastery of diverse skills to troubleshoot, repair, install, and maintain production machinery.

Combining electrical, mechanical, fluid power, and programming competencies, mechatronics training meets the needs of any company. The mechatronics program at Penn College is a complete yet customizable training curriculum. With a state-of-the-art lab and portable trainers, these courses can be delivered on campus or at your location.

The Penn College mechatronics program is competency-based and can be delivered in an apprenticeship model meeting U.S. Department of Labor (USDOL) and Pennsylvania Apprenticeship and Training Council standards, or as a stand-alone training. Industry recognized PMMI credentials are available in each of the four standardized competency groupings.



**CHOOSE CUSTOMIZED TRAINING
IN ANY MECHATRONICS AREA OR
FROM OUR COURSES BELOW**

PLC

- ELECTRICAL**
- HYDRAULICS**
- PNEUMATICS**
- MOTORS**
- DRIVES**
- ELECTRONICS**
- MECHANICAL**
- ROBOTICS**
- WELDING**

Mechatronics Apprenticeship Series

- Industrial Electricity
- Mechanical Components
- Fluid Power
- PLC



Industrial Electrical Series

- Fundamentals of Industrial Electricity
- Techniques for Electrical Troubleshooting
- Industrial Arc Flash Safety
- Refresh Tech

PLC LogicTREK Series

- LogicTREK I—Introduction to PLCs
- LogicTREK II—Timers, Counters & Program Controls
- LogicTREK III—Introduction to Process Controls
- LogicTREK IV—Advanced PLC Concepts

Machine Shop

- Essentials Level I—Manual or CNC
- Essentials Level II—Manual or CNC
- G & M Code Programming
- Advanced Machining Application

Welding

- Building Essential Welding Skills
- AWS Certification
- API 1104 Certification

Other Topics

- Hydraulics and Pneumatics
- Electronics
- Motors and Drives
- Robotics

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SEARCH FOR **Penn College**
Workforce Development

