



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.



**Workforce Development &
Continuing Education**

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MECHATRONICS

PLC
ELECTRICAL
HYDRAULICS
PNEUMATICS
MOTORS
DRIVES
ELECTRONICS
MECHANICAL
ROBOTICS
WELDING

**CHOOSE FROM OUR OUT-OF-THE-BOX COURSES BELOW, OR
CUSTOMIZE TRAINING IN ANY MECHATRONICS AREA**

Mechatronics Apprenticeship Series

(PMMI certification aligned)

Industrial Electricity
Mechanical Components
Fluid Power
PLC



Machine Shop

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

Industrial Electrical Series

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

Welding

Building Essential Welding Skills
AWS Certification
API 1104 Certification

PLC LogicTREK Series

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

Other Topics

Hydraulics and Pneumatics
Electronics
Motors and Drives
Robotics