



Advanced Manufacturing/Energy Technician Certificate Programs

Stackable Certificates with Multiple Entry and Exit Points

7 Credentialed Training Paths

All Certificates are potential training end-points.

Intro to Manufacturing Core Competencies is a prerequisite for all paths.

Production Technician Certificate - 200 Hrs

- Introduction to Manufacturing
- Manufacturing Production Skills

*MSSC

CNC Machine Operator Certificate - 250 Hrs

- Introduction to Manufacturing
- Basic Trigonometry
- CNC Operator Processes

*NIMS

Electro Mechanical Technician I Certificate - 470 Hrs

- Introduction to Manufacturing
- Manufacturing Production Skills
- Industrial Mechanical 1
- Industrial Electrical 1

*MSSC

Industrial Welding I Certificate - 250 Hrs

- Introduction to Manufacturing
- Welding Basics
- Sim Welding
- Welding Processes

*MSSC

Industrial PLC Certificate - 280 Hrs

- Introduction to Manufacturing
- Manufacturing Production Skills
- PLC Troubleshooting

*MSSC & PMMI

AMIST 1 - Advanced Manufacturing/Integrated System Technology Certificate - 720 Hrs

- Introduction to Manufacturing
- Manufacturing Production Skills
- Industrial Mechanical 1
- Industrial Electrical 1
- PLC Troubleshooting
- Industrial Mechanical 2
- Industrial Electrical 2

*MSSC, PMMI & IMTCPA

Energy Technician I Certificate - 348-400 Hrs

- Introduction to Manufacturing
- Manufacturing Production Skills
- Energy Management and Alternative Energy Technologies
- Power and Control Electronics
- Electric Relay Controls
- Electric Motor Controls
- Industry-specific elective, including:
 - * NABCEP Solar Installer
 - * BPI Energy Auditor
 - * Sustainable Building Advisor
 - * and more...

*MSSC

*Course Completers will sit for industry/nationally recognized certifications.

- MSSC - Manufacturing Skills Standards Council
- NIMS - National Institute of Metalworking Skills
- PMMI - PMMI Mechatronics
- IMTCPA - Industrial Maintenance Training Center of Pennsylvania