

CERTIFIED PRODUCTION TECHNICIAN - Noncredit

Workforce Development and Continuing Education/Industrial Technology

The purpose of the Certified Production Technician training (CPT) is to recognize, through successful completion of certification assessments, individuals who demonstrate mastery of the core competencies of manufacturing production at the front-line level (entry-level through front-line supervisor). The goal of this CPT certification training is to raise the performance levels of production workers to both assist them in obtaining higher-wage jobs and to aid employers by helping their workforce increase productivity and competitiveness.

The CPT training consists of four individual certification modules: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness. Students must earn the first four certificates to qualify for the full CPT certification. The certifications are offered through the Manufacturing Skills Standards Council (MSSC). HACC also offers the CPT Plus training, which includes additional hands-on troubleshooting exercises.

This class is taught through a blended format in which students spend approximately 60 hours in an instructor-led classroom setting and another 60 hours in an on-line environment working through interactive learning modules.

Graduates of this training are able to have their hours credited towards completion of HACC's GTEC 106 – Introduction to Manufacturing course, which can be used as an elective in one of the College's Engineering and Technology associate degree programs within four years of completion.

This training is also the cornerstone of Pennsylvania's state-registered Industrial Manufacturing Technician (IMT) Apprenticeship. This apprenticeship is an 18-month curriculum designed specifically for Pennsylvania's manufacturing companies and their employees. The 18-month training consists of 3,000 hours of in-class instruction, virtual/online learning, and on-the-job training (OJT) to provide manufacturing employees with an opportunity to gain new skills and career opportunities. The curriculum in HACC's CPT certification training course is included in the IMT Apprenticeship. Additionally, HACC also offers customized versions of the CPT training for employers that wish to design their own, customized training plan. Employer designed programs can be delivered with or without assessments, on-site or on-campus, online or in-person, and in always in alignment with employer objectives and training budgets.

This CPT training is available at all of HACC's campuses. Customized scheduling and on-site training for industry is also available. For more information, please contact Rusty Brink at (717) 221-1338.

Career Opportunities

Careers for the production technician can include Machine Operator, Packaging Machine Operator, Assembly-Line Worker, or Assembly Machine Operator. Entry-level production technician positions are often used as the starting point for a new employee to advance within the company.

Competency Profile The curriculum is designed to prepare the student to:

- Define the importance of manufacturing
- Display the basic computer skills needed to complete online training and search for information
- Define and demonstrate safe work habits
- Display proper use of hand and power tools
- Interpret basic mechanical blueprints
- Properly measure mechanical components using various measuring instruments
- Describe quality procedures and interpret tolerances and dimensions

RECOMMENDED SEQUENCE FOR STUDENTS:

Interested students are to display a mechanical aptitude and an ability to operate the required tools in a safe and effective manner.

This is a 120-Hour program with the following sequence of content:

- Orientation to Manufacturing
- Safety in the Workplace (includes optional assessment for certification)
- Quality Practices & Measurement (includes optional assessment for certification)
- Production Processes & Manufacturing (includes optional assessment for certification)
- Maintenance Awareness (includes optional assessment for certification)
- *Note: To receive the MSSC CPT certification, all required assessments must be passed.*