

WESTMORELAND COUNTY COMMUNITY COLLEGE

Certified Production Technician (CPT) 4.0 Program

Westmoreland County Community College has partnered with the Manufacturing Skill Standards Council (MSSC), the nation's leading industry-led training, assessment and certification organization, to become an authorized training provider for the Certified Production Technician (CPT) 4.0 program.

The CPT 4.0 certification addresses the core technical competencies of higher skilled production technicians in all sectors of manufacturing. The CPT 4.0 program consists of four stackable credentials: Safety and Employability, Quality Practices and Measurement, Manufacturing Processes and Production, and Maintenance Awareness. MSSC awards certificates to individuals who pass any of the CPT module exams.

Safety & Employability	Quality Practices & Measurement	Manufacturing Processes & Production	Maintenance Awareness
<ul style="list-style-type: none">• Production teams• Training and leadership• Safety organization• Personal protective equipment• Fire and electrical safety• Work area safety• Hazardous material safety• Tool & machine safety• Material handling safety	<ul style="list-style-type: none">• Multiview drawings• Assembly drawings & fasteners• Geometric dimensioning & tolerancing• Basic measurement• Precision measurement tools• Dimensional gauging• Quality systems• Introduction to SPC• Control charts• Continuous improvement	<ul style="list-style-type: none">• Mechanical principles• Mechanical linkages• Gear drives• Machining processes• Machine tooling• Machine operations• Equipment procedures• Production planning & workflow• Production control	<ul style="list-style-type: none">• Welding• Basic electrical circuits• Electrical measurements & power• Pneumatic power systems• Basic pneumatic circuits• Principles of pressure & flow• Lubrication concepts• Bearings & couplings• Belt and chain drives• Machine control concepts, automation & operation modes• Electrical motor control

CPT 4.0 is a national industry certification accredited under ISO 17024 (personnel certification) and endorsed by the National Association of Manufacturers.

Employer Benefits

1. Create an internal pipeline of skilled employees
2. Decrease recruitment costs by providing job candidates with industry-recognized credentials
3. Attract, motivate and retain qualified employees

Employee Benefits

1. Improved understanding of new technologies
2. Increased productivity
3. Portable nationally accredited and federally recognized credential

CPT 4.0+ compliments the full Certified Production Technician 4.0 credential by validating that an individual has the comprehensive technical knowledge and hands-on skills needed to be a qualified production technician.

For additional information, contact Judy DeWitt, Workforce Development coordinator, at 724.925.4090 or dewittju@westmoreland.edu.



An affirmative action, equal opportunity college.