

# Certified Production Technician (CPT) 4.0

**Aligned Program of Study:** Machining Technology

## Description

Certified Production Technician (CPT 4.0) is an industry-led assessment and certification system. It targets the core skills and knowledge needed by the nation's front-line production workers. It is the only certification for front-line production workers that is accredited by the American National Standards Institute (ANSI) under ISO 17024. It is based on industry-defined and federally endorsed standards. It offers both entry-level and skilled workers the opportunity to demonstrate that they have attained the skills needed for technology-intensive jobs of the 21st century. The Manufacturing Skill Standards Council (MSSC) will award five national credentials consisting of one certificate from each module, plus the CPT Certificate to students who satisfactorily complete the four modules and MSSC assessments. The four modules are separated into the following critical production functions:

- Safety
- Quality Practices and Measurement
- Manufacturing Processes and Production
- Maintenance Awareness
- Green Production (optional)

Students must pass the four modules to fulfill the requirements of the promoted Certified Production Technician Certification.

NOTE: The Manufacturing Standards Skills Council (MSSC) has announced an update to the Certified Production Technician (CPT) certification. Effective June 1, 2020, the name of the certification was changed to CPT 4.0 and additional content was added to the CPT curriculum. The exam for the certification has been changed to incorporate the new information.

The changes allow the CPT 4.0 to include nine rapidly emerging, data-intensive, "Industry 4.0" technologies that will profoundly influence manufacturing production processes and quality control: **5G, Artificial Intelligence (AI), Industrial Internet of Things (IIOT), Additive (3D) Manufacturing, Autonomous Robots, Augmented Reality, Data Analytics, Nanomanufacturing, and Advanced Materials**. Starting June 1, 2020, these "4.0" technologies will be fully integrated into CPT curriculum, instructor training, and assessments. MSSC manufacturing certificates and certifications issued after that date will be re-labeled "CPT 4.0."

## Certification Information

Test Owner

Manufacturing Skill Standard Council (MSSC)

901 North Washington Street, Ste.600

Alexandria, VA 22314

(703) 739-9000

Email: [info@msscusa.org](mailto:info@msscusa.org)

**Registration Procedures**

1. Find a [local MSSC Assessment Center](#) near you with MSSC's [center locator](#) feature. Only MSSC Partner Schools can administer certification exams to students. Any high school can become a MSSC Partner School.
2. Download the CPT candidate Handbook [here](#). There is information on how to register for certification located within this document.

**Preparing to offer the certification**

**Materials and Resources**

There are a variety of materials and resources found at the MSSC website [www.msscusa.org](http://www.msscusa.org)

Links to activities and brochure.

1. [Key Activities](#)
2. [Brochure](#)

Assistance is available from Technical Training Aids. (800) 851-3987, [jason@ttaweb.com](mailto:jason@ttaweb.com)

**Vendors with Data Sharing MOU with TDOE**

<b>Vendor</b>	<b>Contact Information</b>
Manufacturing Skill Standards Council (MSSC)	<a href="http://www.msscusa.org/certification/production-certification-cpt/">www.msscusa.org/certification/production-certification-cpt/</a>