

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 will be changed to CPT 4.0 and additional content will be added to the CPT curriculum. The exam for the certification will be changed to incorporate the new information, but the online quiz/self-reviews will not be updated until 12/1/20.

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

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.
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

Links to activities and brochure.

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

Several resources are available related to Remote Pilot Certificates. www.faa.gov/uas/. Step-by-step guidelines are available at www.faa.gov/uas/commercial_operators/. FAA provides a study guide at www.faa.gov/regulations_policies/handbooks_manuals/aviation/media/remote_pilot_study_guide.pdf. The Airman Certification Standards document is at www.faa.gov/training_testing/testing/acs/media/uas_acs.pdf.

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

Vendors with Data Sharing MOU with TDOE

Vendor	Contact Information
Manufacturing Skill Standards Council (MSSC)	www.msscusa.org/certification/production-certification-cpt/