

"We feel that MSSC CPT certification compliments not only the qualifications of the candidates we see, but also enhances the knowledge, skills, and abilities of existing team members in our pursuit of manufacturing excellence."

Gary Gombita
Vice President & General Manager
Aisin USA Manufacturing

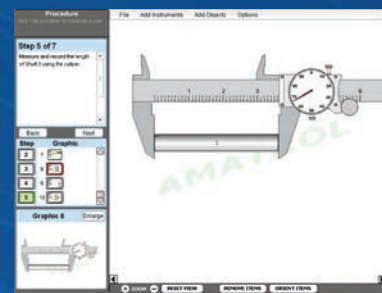
Manufacturing Skill Standards Council

The Manufacturing Skill Standards Council (MSSC) is an industry-led, standards-based, training, assessment and certification system focused on the core skills and knowledge needed by the nation's production and supply chain logistics workers. The nationwide MSSC system, based upon industry-defined and federally-endorsed national standards, offers both entry-level and incumbent workers the opportunity to demonstrate that they have acquired the skills increasingly needed in the high-growth, technology-intensive jobs of the 21st century.



Amatrol's High School CPT Program includes:

- 25 Seats for each of the certification areas
- 39 self-paced learning units
- 224 skills, 140+ hours of learning



Enrich your CPT Program with these options:



Instructor Training

Your "success" is our success. MSSC puts that philosophy into action by offering an intensive, three-day course designed to prepare instructors to deliver the CPT Curriculum.



Amatrol Learning Systems

Amatrol's trainers provide students a unique way to combine hands-on skills with strong curriculum for an outstanding learning experience.



Classroom Management

Skill tracking is essential to the success of any program or effort to increase hands-on job-ready skills. Amatrol's SkillACE is a powerful, easy-to-use learning management tool with excellent reporting and administrative capabilities.

CERTIFIED PRODUCTION TECHNICIAN

CAREER PATH SUCCESS FOR HIGH SCHOOL STUDENTS!

- ENGAGE STUDENTS
- EARN COLLEGE CREDIT
- DEVELOP JOB-READY SKILLS
- ACHIEVE NATIONAL CERTIFICATION



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Engage...

Ignite a Passion for Achievement

In today's technology driven society, capturing the attention of high school students can be a daunting task. Active engagement in learning provides students with the necessary skills to competently meet the challenges in today's workplace. Regardless of their career path, high schools must prepare students who can engage in their work, effectively work with others, identify and solve problems, and continue to acquire the necessary skills to succeed in their work roles.

The Certified Production Technician program enables students to build this foundation. The program's interactive multimedia curriculum uses a competency-based instructional design that teaches MSSC's nationally recognized standards. An engaging combination of video, text, audio, 3D animation and interactive activities, the CPT curriculum captures the attention of the student and keeps them engaged through the entire learning process – igniting their passion for achievement.

Earn...

Get a Head Start, Earn College Credit

High school students achieving the CPT certification will have a distinct academic advantage over other college-bound students. Students focusing on engineering, manufacturing, energy, science and a host of other career paths must be able to demonstrate their technical knowledge.

CPT develops strong STEM (Science, Technology, Engineering, Mathematics) skills as a natural part of learning technical skills. Students also learn essential academic skills such as writing, listening, problem solving, decision making and analyzing information. Today, many schools have established college articulation for the program for up to six credit hours.



CERTIFIED PRODUCTION TECHNICIAN PROGRAM

Quality Practices & Measurement

- Multi-view Drawings
- Sectional Drawings & Fasteners
- Geometric Dimensioning & Tolerancing
- Basic & Precision Measurement Tools
- Dimensional Gauging
- Control Charts
- Quality Systems
- Continuous Improvement
- Statistical Process Control

Safety

- Production Teams
- Training & Leadership
- Safety Organization
- Personal Protective Equipment
- Work Area Safety
- Fire & Electrical Safety
- Hazardous Material Safety
- Tool & Machine Safety
- Material Handling Safety

Manufacturing Processes & Production

- Mechanical Principles
- Mechanical Linkages
- Machining Processes
- Machine Tooling
- Machine Operations
- Machine Troubleshooting
- Equipment Procedures
- Production Planning & Workflow
- Production Control

Maintenance Awareness

- Basic Electrical Circuits
- Electrical Measurement
- Electrical Power
- Pneumatic & Hydraulic Power Systems
- Lubrication Concepts
- Bearings & Couplings
- Belt & Chain Drives
- Machine Control Concepts
- Machine Automation

Authentic, Comprehensive, Job-Ready Skills

Develop...

Employer Preferred, Job-Ready Skills

Advanced Manufacturing offers some of the highest paying and most satisfying career opportunities available today. High School students heading towards a career in manufacturing must demonstrate a broad array of critical technical skills. The MSSC CPT Program provides training and credentialing in the foundational areas of **safety, quality, manufacturing processes and maintenance.**

In addition to technical skills, CPT addresses cross-functional skills, such as communication, teamwork, customer awareness and workplace conduct. CPT is the foundation of the NAM-Endorsed Skills Certification System, making it a truly portable credential.

Achieve...

Certification is the Path to Success

Increasingly, manufacturers are looking to national organizations to identify, develop and establish skill standards. These standards offer students the opportunity to demonstrate that they have acquired the necessary skills for the technologically intensive jobs of the 21st century. MSSC's CPT program puts students on the path to success:

- Industry recognizes and prefers the CPT certifications
- Creates portable record of achievement
- Improves prospects for hiring, advancement and benefits
- Demonstrates students are able to keep pace with technological changes