


Workforce Education / Training for Manufacturing



**CENTRAL ALABAMA
COMMUNITY COLLEGE**

WORKFORCE SOURCES

 Dual Enrollment

 Adult Education

 Military

 Traditional Student

 Existing Workforce

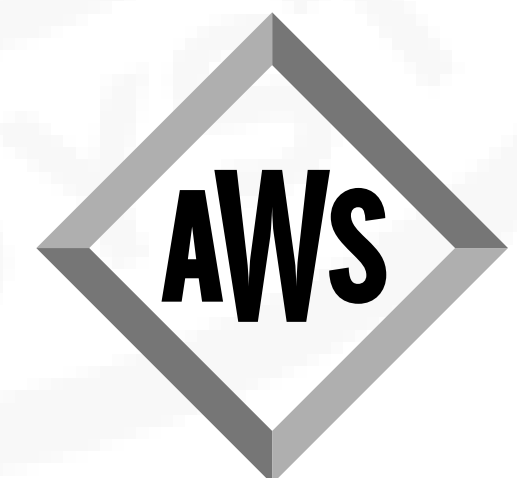
 Corrections Training



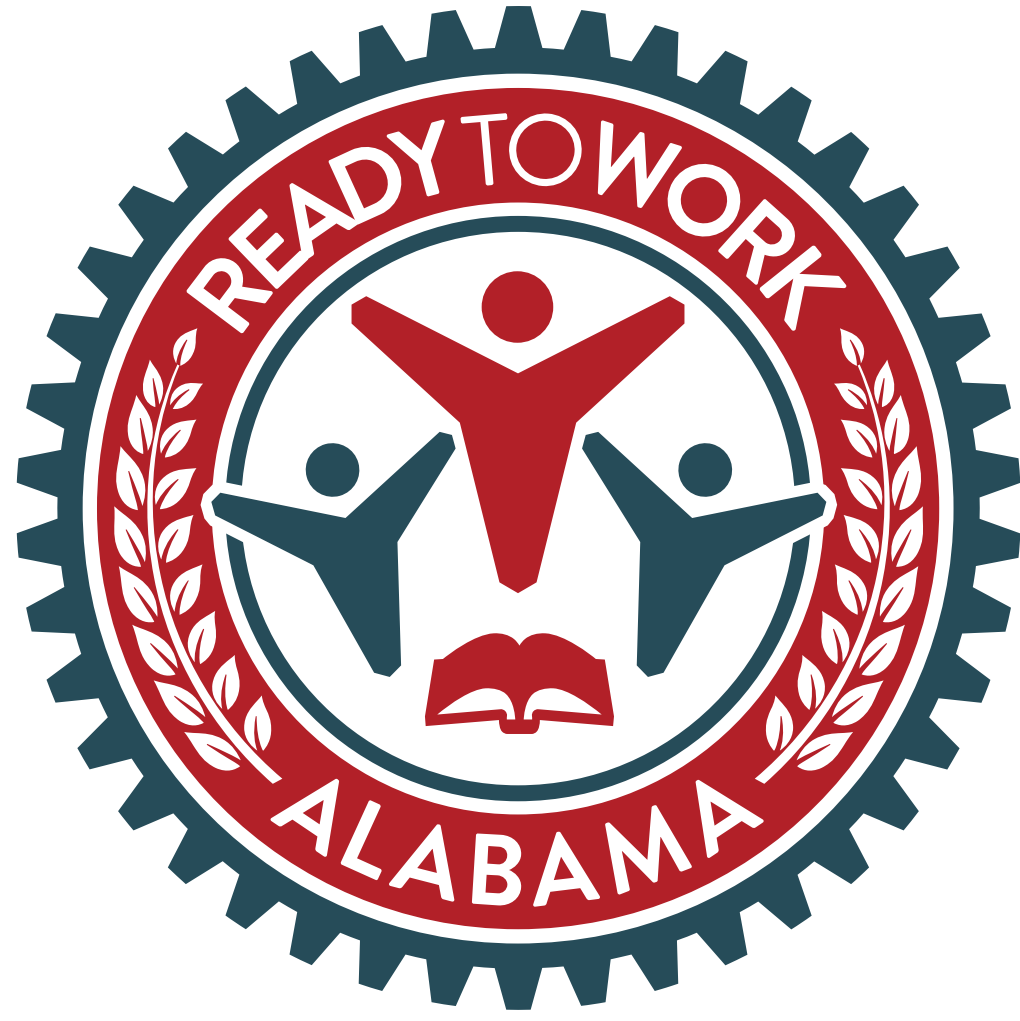
OUR FOCUS

Nationally Recognized Industry Certification Programs Driven by Industry

- Ready to Work (RTW)
- Manufacturing Skills Standards Council (MSSC)
 - Certified Production Technician (CPT)
 - Certified Logistics Associate (CLA)
 - Certified Logistics Technician (CLT)
- The National Center for Construction Education & Research
- National Institute for Metalworking Skills, Inc. (NIMS)
- American Welding Society (AWS)



READY TO WORK



Alabama's Ready to Work program provides a career pathway for individuals with limited education and employment experience. Ready to Work's workplace environment provides trainees the entry-level skills required for employment with most businesses and industries in Alabama.

The curriculum is set to standards cited by business and industry employers throughout the state, and the skills cited in the U.S. Department of Labor's Secretary's Commission on Achieving Necessary Skills (SCANS) Reports.

Upon successful completion of the RTW program, graduates will receive two industry recognized credentials:

- National Career Readiness Certificate
- Alabama Certified Work Certificate



CPT (Certified Production Technician)

The CPT Certification addresses the core technical competencies of higher skilled production workers in all sectors of manufacturing. MSSC awards certificates to individuals who pass any of its Production Modules: Safety, Maintenance Awareness, Manufacturing Processes & Production, and Quality Practices & Measurement; and a full Certified Production Technician (CPT) Certificate to those who pass all four original modules.

CPT Modules:

- Safety
- Quality Practices & Measurement
- Manufacturing Processes & Production
- Maintenance Awareness



MSSC-CPT SAFETY MODULES



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

MSSC-CPT QUALITY PRACTICES & MEASUREMENT MODULES

- Multi-view Drawings
- Assembly Drawings & Fasteners
- GD&T
- Basic Measurement
- Precision Measurement Tools
- Dimensional Gauging
- Quality Systems
- Introduction to SPC
- Control Charts
- Continuous Improvement



MSSC–CPT QUALITY PROCESSES & PRODUCTION MODULES



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

MSSC-CPT MAINTENANCE AWARENESS MODULES



- Welding
- Basic Electrical Circuits
- Electrical Measurements
- Electrical Power
- Pneumatic Power Systems

- Basic Pneumatic Circuits
- Principles of Pressure & Flow
- Lubrication Concepts
- Bearings and Couplings
- Belt Drives

- Chain Drives
- Machine Control Concepts
- Machine Automation
- Machine Operation Modes
- Electrical Motor Control

MSSC



CPT + (Certified Production Technician Plus)

The CPT+ certification adds complementary training that provides hands-on knowledge that covers over 60 essential manufacturing skills.

The Skill Boss, designed to meet MSSC national standards, is a hand-on skill training and assessment system that integrates seamlessly into the CPT program and is required for the CPT Plus certification. This CPT Plus certification provides employers proof of an individual's skill set by requiring successful completion of hands-on testing in electronic, electrical, fluid power, and mechanical systems.

The Skill Boss

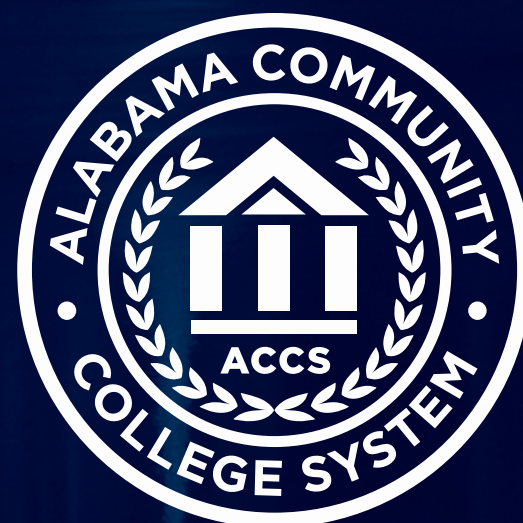


COMPANY BENEFITS



- **Pipeline of skilled workers** by embedding MSSC certification training into schools
- **Decreased recruitment costs** by preferring job candidates with industry-recognized credentials
- **Elimination of company remedial training costs & time**
- **Attract, motivate, and retain** qualified employees
- **Increase Profit** with improved safety performance and increased quality & productivity

QUESTIONS?



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