

**Course Overview**

The *Instructor Certification Course* covers the knowledge and skills required to become a certified instructor for the Employ Florida Banner Center for Advanced Manufacturing’s curricula and to earn the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) certification.

**Course Objectives**

- Understand the MSSC Production Technician Certification System
- Understand and apply training techniques centered on an instructor as facilitator
- Understand the role of Banner Center for Advanced Manufacturing in developing and sustaining the advanced manufacturing production workforce
- Understand and teach the *Manufacturing Essentials* and/or *Manufacturing Fundamentals* course(s) using in-class and self-study exercises
- Earn the MSSC Production Technician certification

**3-Day Course Outline**

**Day 1**

- Introduction to Employ Florida Banner Center for Adv. Mfg.
- MSSC Competencies
  - Manufacturing Processes and Production
  - Maintenance Awareness
  - Quality and Continuous Improvement
  - Safety
- Instructional skills overview & Prepare for assessments

**Day 2**

- Review & take MSSC Assessments
- Develop your lesson plan & Teach Curriculum (Group)
- Preparation for additional assessments & gap analysis
- Review & Practice TBL (Technology-Based Learning)

**Day 3**

- Review & take MSSC Assessments
- Individual Gap Analysis from Assessments
- Debriefing
- ICC Wrap-Up (Certificates, B.C. curriculum, etc.)

**In-Class MSSC Assessment**

Assessments will be conducted during the 3 days of training. An individual Gap Analysis will be provided if needed. Participants will complete a group activity in which Best Training Practices are presented.

Upon completion of the training, the student will receive a hard copy of all five *Manufacturing Essentials* and/or *Manufacturing Fundamentals* Instructional Guides. The student must complete all the assignments and pass the MSSC CPT certification assessments within 90 days of completing the instructor training (if not completed during the training). They must forward the completed examinations to the Banner Center for Advanced Manufacturing for assessment.

**Audience**

Secondary & Post-Secondary Educators and Corporate Trainers

**Cost of Training**

\$1,500.00 per student

**Material Included In This Training**

- Instructor Guides
- Exercises
- MSSC CPT Assessments
- PowerPoint Instructional Slides

**Instructor Certification**

Awarded upon successful completion of all assignments and examinations and proof of the student’s MSSC CPT certification.

**Registration and Information**

For additional information and/or to register for the ICC contact the Employ Florida Banner Center at:

T: 863.297.1010, ext. 4079  
 Email: [johnson@banner-mfg.org](mailto:johnson@banner-mfg.org)  
 Or

T: 863.297.1010, ext. 4081  
[tlauters@polk.edu](mailto:tlauters@polk.edu)

Classes are held at:  
 Polk State College Airside Center

**MSSC Certified Production Technician Certification**

During the training, participants will take the MSSC CPT certification examination. The student must pass the examination’s four assessments to become MSSC CPT certified and to become a Banner Center for Advanced Manufacturing certified instructor.

# MSSC CERTIFIED PRODUCTION TECHNICIAN

- What:** The MSSC CPT is a nationally recognized, industry-defined certification that can be used for employment across all manufacturing sectors. The certification assesses a student or worker's foundational skill and knowledge in four broad areas common to all manufacturing sectors: Manufacturing Production and Process; Quality and Continuous Improvement; Maintenance Awareness; and Safety.
- Who:** Hundreds of Banner Center training recipients to date have gone on to receive MSSC CPT certification.
- Why:** Manufacturing companies need properly trained workers, all of them trained under consistent industry-wide standards, to meet continued demand for their products.
- Where:** There are 12 registered assessment centers throughout the state, from Broward County to Pensacola, where trainees can sit for the MSSC CPT certification exam.

## TESTIMONIAL

As director of operations at Cardio Command Inc., an FDA-regulated medical device manufacturer in Tampa, James Moore knows the importance of maintaining a team of workers that is trained not just in the basic skills of manufacturing but in the more subtle skills of conflict resolution and working together efficiently toward production goals.

Two years ago he turned to the Banner Center for Advanced Manufacturing's **MSSC CPT** training to learn all of those skills, and now he is preparing to pass that knowledge along to his approximately 15 employees at Cardio Command. He went through the Banner Center's **MSSC CPT Instructor Certification Course**, and plans to begin training his own employees in the program that he found so helpful.

"The thing that was appealing to me about this training is that it addressed not only the hard skills of production, like how to do caliper measurements, but also the soft skills of production – conflict resolution, employee relations – all of the things that go into making your production team work better," said Moore, a Marine Corps veteran and longtime Florida resident.

**"The better people get along, the better they work together, the more productive they are. And that makes my life easier as a manager."**

**JAMES MOORE**

*Director of Operations, Cardio Command Inc.*

"People who have gone through this curriculum have a foundation of knowledge upon which the manufacturing employer can build," Moore said. "The hard training skills they get makes it easier to cross-train them to work in other areas. And for people who have been in the industry for awhile, it's a good refresher. This has been very important to me as a manager and to the business as a whole."

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