MSSC Certified Production Technician (CPT)

Course Topics: MSSC Testing on Units 2, 3, 4, 5

Unit 1: Workplace Essentials - Provides training on employability skills needed in the manufacturing community to sustain the day-to-day success of their organizations. This unit is a non-assessed portion of the training.

Module 1: Human Behavior and Ethics
Module 2: Communications Skills
Module 3: Stress and Time Management
Module 4: Team Building and Conflict Resolution
Module 5: Counseling and Conflict Resolution
Module 6: Intermediate Math

Unit 2: Safety Awareness – Provides knowledge and skills for a safe and productive work environment. Preparation for MSSC Safety assessment.

Module 1: OSHA Standards
Module 2: Hazard Communications
Module 3: Personal Protective Equipment
Module 4: Fire Safety
Module 5: Electrical and Tool Safety
Module 6: Lockout/Tagout Safety
Module 7: Ergonomics
Module 8: Bloodborne Pathogens

Unit 3: Production and Processes – Develops existing knowledge and skills needed for the production of products to meet customer needs while ensuring the manufacturing process meets business requirements. Preparation for MSSC Production assessment.

Module 1: Introduction to Manufacturing Basics
Module 2: The Production Process
Module 3: Manufacturing Essentials
Module 4: Lean and Six Sigma
Module 5: Business Basics
Module 6: Supply Chain

Unit 4: Maintenance Awareness - Provides the core knowledge of preventive maintenance and enhances existing skills in the identification and performance of equipment maintenance used in the production process. Preparation for MSSC Maintenance assessment.

Module 1: Troubleshooting/Root Cause Analysis
Module 2: Industrial Print Reading
Module 3: Electrical Basics Module
Module 4: Fluid Power Basics Module
Module 5: Machine Basics
Module 6: Preventive Maintenance
Module 7: Total Productive Maintenance

Unit 5: Quality Assurance – Enhances existing knowledge and skills needed to maintain quality and implement continuous improvement processes, and ensure that product and process variances meet quality standards. Preparation for MSSC Quality assessment.

Module 1: Introduction to Quality Management
Module 2: Introduction to Measuring Process Quality
Module 3: Quality Improvement Systems
Module 4: Problem Solving

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