

LIGHT[®]



IN PARTNERSHIP WITH



AND



PRESENTS



**CERTIFIED
PRODUCTION
TECHNICIAN**

CERTIFIED PRODUCTION TECHNICIAN ACTIVITIES

SAFETY

1. Work in a safe and productive manufacturing workplace.
2. Perform safety and environmental inspections
3. Perform emergency drills and participate in emergency teams
4. Identify unsafe conditions and take corrective action
5. Provide safety orientation for all employees
6. Train personnel to use equipment safely
7. Suggest processes and procedures that support safety of work environment
8. Fulfill safety and health requirements for maintenance, installation, and repair
9. Monitor safe equipment and operator performance
10. Utilize effective, safety-enhancing workplace practices

MANUFACTURING PROCESSES & PRODUCTION

1. Identify customer needs
2. Determine resources available for the production process
3. Set up equipment for the production process
4. Set team production goals
5. Make job assignments
6. Coordinate work flow with team members and other work groups
7. Communicate production and material requirements and product specifications
8. Perform and monitor the process to make the product
9. Document product and process compliance with customer requirements
10. Prepare final product for shipping for distribution

QUALITY PRACTICES & MEASUREMENTS

1. Participate in periodic internal quality audit activities
2. Check calibration of gages and other data collection equipment
3. Suggest continuous improvements
4. Inspect materials and product/process at all stages to ensure they meet specifications
5. Document the results of quality tests
6. Communicate quality problems
7. Take corrective actions to restore or maintain quality
8. Record process outcomes and trends
9. Identify fundamentals of blueprint reading
10. Use common measurement systems and precision measurement tools

MAINTENANCE AWARENESS

1. Prepare preventative maintenance and routine repair
2. Monitor indicators to ensure correct operations
3. Perform all housekeeping to maintain production schedule
4. Recognize potential maintenance issues with basic production systems, including knowledge of when to inform maintenance personnel about problems with:
 - Electrical systems
 - Pneumatic systems
 - Hydraulic systems
 - Machine automation systems
 - Lubrication processes
 - Bearing and couplings

CPT BACKGROUND

- 1998 DOL, DOC, and DoED Official Recognize MSSC
- 2001 DOL, DOC, and DoED Endorse MSSC Skill Standards
- 2003: MSSC Completes Production Assessment
- 2005: MSSC Commences Credentialing Process
- MSSC Begins Certifying Assessment Centers
- Glencoe McGraw-Hill Publishes MSSC Textbook
- WI Governor Doyle Sets Statewide MSSC Goal
- IN Governor Daniels Sets Statewide MSSC Goal
- 2006: MSSC Endorses Courses
- MSSC Endorses Instructor Certification Training Program
- NAM Endorses MSSC Certification System for Production Workers
- 2007: MSSC Launches 10th Anniversary Marketing Campaign
- Companies use MSSC Certification as a Recruitment Tool
- 2009: NAM-endorsed Skills Certification System Launched



LIGHT IS A CERTIFIED
CPT INSTRUCTIONAL FACILITY

Benefits For Employers:

- An Aid to attracting, motivating, and retaining qualified employees.
- Decreased recruitment costs by providing job candidates with industry-recognized credentials.
- Elimination of remedial training costs by providing well-prepared workers.
- A diagnostic tool to benchmark incumbent workers against a high-performance national standard.
- Increased ROI for training by targeting it against the gaps identified by the MSSC diagnostic tool.

For Workers:

- Offers the only nationally portable, industry recognized skill certifications for front-line production workers (entry-level through first line of supervision) in all sectors of manufacturing and front-line material handling workers throughout the supply chain.
- Improves career advancement opportunities and earnings by obtaining high-performance skills through MSSC training.
- Improves job security through document certification of proven skill sets.

For Educators:

- Increases industry client base and student enrollment through MSSC network and nationally recognized certification-based training.
- Increases student enrollment through on-demand eLearning solutions.
- Provides teachers certification to increase skills and opportunities for instruction.



L.I.G.H.T.[®]

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MANUFACTURING TRAINING**