

MSSC Production Technician Certification

An important initiative for Wisconsin manufacturers, labor and employees

Manufacturing Skill Standards Council (MSSC) training and assessment address the need for employability and academic skills as well as technical skills. The assessments require mastery of core knowledge and skills that are essential to high performance manufacturing:

Employability Skills

- Problem solving
- Decision making
- Teamwork
- Organization and planning
- Social interaction
- Adaptability
- Leadership
- Consensus building
- Career awareness and self-development

Academic Skills

- Math
- Science
- Reading
- Writing
- Listening
- Speaking
- Computer
- Gathering and analyzing information

How will it benefit employers?

- Meet company needs for agile workers with the core knowledge skills to keep pace with technological change.
- Decrease recruitment costs by providing job candidates with industry recognized credentials.
- Increase worker productivity and innovation through multi-disciplinary skill sets.
- Provide diagnostic tool to benchmark workers against a high-performance national standard and identify skill gaps.
- Increase return on investment for training by targeting those skill gaps.
- Attract, motivate, and retain qualified employees.

How will it benefit employees?

- Increase your skill level to build a career.
- More fulfilling work—solve problems, come up with new ideas, and tackle a variety of responsibilities.
- Better working conditions—focusing on safety and the environment results in a much safer and cleaner workplace.
- Increased skill levels and more responsibility often lead to higher wages.
- Employers invest in updating worker skills. The latest technology or newest strategy is useless if workers do not have the skill to put them into action.

“Our goal is to have 40% of the production workforce in Wisconsin MSSC certified in ten years.”

Job Strategies Announcement, 2005, Governor Doyle

“The flexibility offered by the MSSC Certified Production Technician is precisely what our company needs. We are diversifying our product mix and need to have a workforce able to adapt quickly to new production requirements.”

Mark Tyler, President, OEM Corporation

“My training experts at Harley have high regard for the MSSC. We have already put more than 150 of our workers through MSSC assessments and are using those results to guide our training priorities. We offer tuition reimbursement for MSSC courses and take MSSC certification into account in hiring decisions.”

James McCaslin, President and COO, Harley-Davidson Motor Company



For more information, call 262.564.2498
or email koberl@gtc.edu



MSSC Production Technician Certification

The test consists of four modules, specifically addressing areas of safety, manufacturing process and production, quality practices/continuous improvement, and maintenance awareness. These combine both multiple choice and factory simulation formats to identify performance indicators, competency levels, and scoring that validly permits issuance of Certificate of Recognition for successfully completed assessment test and module.

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 and 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 or distribution.

MSSC Quality Practices and Measurement

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. Perform preventive 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
 - Bearings and couplings
 - Belts and chain drives

Upon successful completion of all four modules, participant will be awarded the Production Technician Certification by the MSSC.



MSSC System Overview

The Manufacturing Skills Standards Council (MSSC) is a nationwide, industry-based skills standards, assessment and certification system for all sectors of manufacturing. The MSSC System measures and certifies the foundational skills and knowledge of students, educators and frontline production workers from entry-level to first line supervision in all sectors of manufacturing. MSSC is more than developing an individual skill standard—it is about establishing a skills standard system.

Instruction and assessments are on site or at Gateway campus.

One-time registration fee of \$50 per student.
Each module assessment fee is \$45.

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