

Manufacturing Technician Competencies

Required Competencies	
Safety	Understands and upholds safe workplace practices in a manufacturing environment.
Organization	Conducts general housekeeping and cleanup. Maintains a tidy, organized workspace.
Work Orders	Reads and interprets work orders to plan for production runs.
Equipment Operation	Operates production equipment safely, efficiently, and effectively.
Quality Inspection	Uses measurement tools to identify defects and ensure compliance with tolerances and specifications.
Reporting and Record Keeping	Tracks production steps and records production data in an Enterprise Resource Planning (ERP) system or similar system.
Continuous Improvement	Contributes to the organization's business goals through lean and 5S initiatives.
Optional Competencies (choose 2 or more):	
Technical Drawings	Reads and interprets technical drawings, including dimensions and tolerances.
Equipment Set Up	Sets up new jobs on production equipment safely, efficiently, and effectively.
Process Control	Follows the production process to meet quality, quantity, and cost requirements.
Maintenance	Works independently and with maintenance personnel to keep equipment in proper working order.

Credential: MSSC Certified Production Technician

1. **Safety:** Topics include safety inspections, emergencies, safety trainings, and safe equipment operation.
2. **Quality:** Topics include blueprint reading, quality audits, quality inspections, measurement tools, continuous improvement, documenting results, corrective action.
3. **Production:** Topics include customer needs, equipment set up, production goals, process monitoring and reporting.
4. **Maintenance:** Topics include preventative maintenance, reactive maintenance, electrical systems, pneumatic systems, hydraulic systems, mechanical systems, and automation systems.