

Manufacturing Machine Operation Certificates, Levels 1 and 2 (MMOC1, MMOC2)

MMO 110 & MMO 130	OSHA General Industry Safety and Statistical Process Control Fundamentals *	2
MMC 110	MSSC Certified Production Technician Training	6

* Must complete both courses to earn credit for Technical Elective.

Manufacturing Machine Operation Level 2 Certificate (MMOC2)

Semester 1		Lec	Lab Credits	
MMO 112	Mechanical Plan Reading 2	2	0	2
MMO 135	CNC Programming Fundamentals	2	2	3
MMO 136	Computer-Aided Drafting (CAD) for Manufacturing	0	2	1
MMO 137	Computer-Aided Manufacturing (CAM)	0	2	1
MMO 140	CNC Tooling and Maintenance	2	0	2
Total Credits:		6	6	9

Faculty

Assistant Business Manager

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Manufacturing Machine Operation Level 1 Certificate (MMOC1)

The Manufacturing Machine Operation Level 1 Certificate provides foundation skills needed for entry level employment as a computer numerical control (CNC) machine operator in a manufacturing facility. The certificate also prepares students to take certification exams offered by the National Institute for Metalworking Skills (NIMS).

Students develop skills including manufacturing machine safety, measurement and blueprint reading, materials and product inspection, and statistical process control. Additionally, students perform machining operations such as drilling, tapping, boring, turning, and conventional milling and lathe work using various manual and CNC machine tools.

Manufacturing Machine Operation Level 2 Certificate (MMOC2)

The Manufacturing Machine Operation Level 2 Certificate provides advanced skills training in programming of computerized numerical control (CNC) equipment, using simulators and live operation of a CNC Machining Center and CNC Lathe. This certificate is designed for machine operators, machinists, programmers, engineers, and supervisors.

Students who complete the Level 2 certificate gain understanding of how to use CNC programs to develop parts in compliance with industry plans, specifications, and standards. Additionally, students inspect and evaluate parts and materials to meet design specifications. The certificate also prepares students to take certification exams offered by the National Institute for Metalworking Skills (NIMS).

For more information call the Workforce Development Center at (513) 569-1643 or toll-free (888) 569-1709.

Manufacturing Machine Operation Level 1 Certificate (MMOC1)

Semester 1		Lec	Lab Credits	
MMC 105	Shop Math	1	0	1
MMO 111	Mechanical Plan Reading 1	2	0	2
MMO 120	Mechanical Machining	0	6	3
MMO 125	Introduction to CNC	1	2	2
XXX XXX	Technical Elective	2	0	2
Total Credits:		6	8	10

Technical Elective (minimum 2 credits required)