

CNC Swiss Multi-Axis Machining

PROGRAM CODE: 31-420-9



Technical Diploma

**Location:** Downtown Milwaukee Campus**Start Dates:** August and January**Admission Requirement:** High school diploma or equivalent**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

Program Description

Learn in-demand skills for machine tool operations. Students gain hands-on experience in Computer Numerical Control (CNC) machine setup and operation. CNC machine tool operators with up-to-date experience are in high demand. You can earn the CNC Swiss Multi-Axis Machining technical diploma on the way to completing this program. After earning this diploma, you can apply your credits toward completing the CNC Technician technical diploma.

Career Outlook

Because of the high volume of manufacturing that takes place in southeastern Wisconsin, CNC machine operators and setup people have marketable skills. Graduates of the program locate positions in which they are expected to set up, operate and interpret the CNC programs of the machine tools. These machines perform a variety of manufacturing processes, such as turning, milling, drilling, threading and contouring.

Program Learning Outcomes

- Apply basic safety practices in the machine shop.
- Interpret industrial/engineering drawings.
- Apply precision measuring methods to part inspection.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu

COURSES

CREDITS

MACHTL-347	Single Spindle Auto Screw Machine 1.....	3
MACHTL-348	Single Spindle Auto Screw Machine 2 ‡.....	3
MACHTL-361	Multiple Spindle Auto Screw Machine 1 ‡.....	3
MACHTL-362	Multiple Spindle Auto Screw Machine 2 ‡.....	3
MACHTL-360	Metrology	1
MACHTL-384	Machine Trades Math 1	1
MDRAFT-385	Machine Blueprint Reading 1	1
MACHTL-367	Machine Tool Technology.....	1
ENG-340	Workplace Communication.....	2
	(or) ENG-195 Written Communication	
MACHTL-371	CNC Swiss Turning Center 1	4
MACHTL-372	CNC Swiss Turning Center 2 ‡.....	4
MACHTL-373	CNC Swiss Turning Center 3 ‡.....	4
MACHTL-304	Introduction to CNC Programming ‡.....	1
MACHTL-385	Machine Trades Math 2 ‡.....	1
MDRAFT-386	Machine Blueprint Reading 2 ‡.....	1
MACHTL-391	Quality Control ‡.....	1

CREDITS

Total credits needed to complete this diploma

34

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at selfservice.matc.edu.