



CNC Swiss Multi-Axis Machining

TECHNICAL DIPLOMA

Program Code: 31-420-9

Downtown Milwaukee Campus

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.

Program Learning Outcomes

- Apply basic safety practices in the machine shop
- Interpret industrial/engineering drawings
- Apply precision measuring methods to part inspection
- Perform basic machine tool equipment setup and operation
- Perform programming, setup and operation of CNC machine tools

Admission Requirements

- A high school diploma or GED



Manufacturing, Construction & Transportation
MILWAUKEE AREA Technical College

matc.edu | 414-297-MATC

Start dates: August and January

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 Intro to CNC Programming ‡.....	1
MACHTL-385 Machine Trades Math 2 ‡.....	1
MDRAFT-386 Machine Blueprint Reading 2 ‡.....	1
MACHTL-391 Quality Control ‡.....	1
TOTAL CREDITS: 34	

‡ Prerequisite required.
Program curriculum requirements are subject to change.

Current MATC students should consult their
[Academic Program Plan](#) for specific curriculum
requirements.

Possible Careers

- CNC Machine Operator
- CNC Machine Programmer
- Apprenticeship

Related Programs

- Machine Tool Operations
- Tool and Die Making
- CNC Setup and Operations



10% Post Consumer Recycled



matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

**MATC Education Center
at Walker's Square**
816 West National Avenue, Milwaukee