

# Machine Technology Program Michigan Career and Technical Institute (MCTI)

**MRS** PROMOTING ABILITIES  
Michigan Rehabilitation Services

## Career Choices – Certificate of Completion Programs

- Machine Operator
- CNC Operator
- Fabrication Welder
- Production Welder

Depending on skills, abilities, and interests, students can participate from 1-3 terms

## Program Description

MCTI's Machine Technology Program entry requires no prior training in the machining and welding field. Students learn various machining operations, such as manual milling, turning and grinding. With successful completion of manual training, advancing students choose either welding or training in Computerized Numerical Control (CNC). Welding students study ARC, MIG and TIG welding. Students that can meet industry standards, continue with fabricator training and manufacture of utility trailers in the shop. CNC students learn G&M code programming using both manual and Computer Aided Manufacturing (CAM) software. Time is spent learning proper machine setup and operation to produce parts using CNC milling and turning operations.

## Job Outlook

Job prospects are good for trained operators and welders. Entry-level wages begin at \$8 – \$12 per hour for graduates.

## Aptitude/Abilities

- Average learning ability, spatial and form perception, motor and fine finger dexterity
- Demonstrated ability of mechanical reasoning, computer literacy
- Ability to problem solve and compute dimensions
- Ability to stand for long periods of time

## Michigan Career and Technical Institute (MCTI)

Michigan Rehabilitation Services (MRS)

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[www.michigan.gov/mcti](http://www.michigan.gov/mcti)



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