

CONTACT

For more information about the Industrial Machine Tool Program at Kellogg Community College, please contact:

Tom Longman, Machine Tool Instructor
Kellogg Community College
Regional Manufacturing Technology Center
405 Hill Brady Road
Battle Creek, MI 49037

PHONE 269.965.4137
FAX 269.962.7370
E-MAIL longmant@kellogg.edu
WEB www.kellogg.edu/rmtc

Kellogg Community College is an equal opportunity institution and does not discriminate on the basis of race, religion, color, national origin, gender, marital status, sexual orientation, age, or disability in its programs, services or activities. Direct inquiries regarding the nondiscrimination policies can be made to either the Vice President for Instruction or the Director of Human Resources, 450 North Avenue, Battle Creek, MI 49017-3397.



Regional Manufacturing Technology Center

Industrial Machine Tool



inspiring generations

Regional Manufacturing Technology Center

Industrial Machine Tool Program

Nearly every sector of the manufacturing industry is dependent upon people with specialized machine tool training including automotive, aerospace, medical supply, furniture, metals/ metal products, plastics, machinery, and even the newly developing renewable energy sector. These people work with designers to make fixtures, dies, molds and other parts which support the manufacturing process. The Industrial Machine Tool Program at Kellogg Community College prepares students to make these parts.

EMPLOYMENT OPPORTUNITIES

Machinists either work for private companies designing and building prototypes for fixtures, dies, molds and other parts or they work with a team of operators and engineers in highly automated manufacturing facilities programming and maintaining work cells which make the parts.

Job growth rate from 2006-2016 2-6%

Median Annual Earnings \$40,670

Source: United States Bureau of Labor Statistics www.bls.gov

Career opportunities include:

- Machinist/CNC Machinist
- CNC Programmer
- Quality Technician
- Jig, Fixture, Die, Pattern and Mold Makers
- Engineering Technician
- Maintenance Mechanic
- Drafting (CAD/CAM) Design Technicians

With further education, opportunities include:

- Production Supervisor
- Maintenance Supervisor
- Quality Control Engineer
- Manufacturing/Process Engineer

PROGRAM OPTIONS

Kellogg Community College offers three program options:

- Industrial Trades Certificate in Machine Tool (30 credits)
- Industrial Machine Tool Associate in Applied Science (62 credits)
- Skilled Trades Associate in Applied Science for Journeyman or USDOL Apprenticeship card holders (approximately 35 credits)

RECOMMENDED TECHNICAL ELECTIVES

Drafting, Engineering Technology, Tool & Die and Robotics

COURSE WORK

The course work within the Industrial Machine Tool Program provides hands-on learning opportunities using real-world equipment. Courses are modular with some portions of the modules available for online completion. Modules are pass/fail, which means a student can continue to work on the module until they pass the module. Students receive one-on-one instruction from a journeyman instructor.

Topics covered in Industrial Machine Tool modules include:

- Machinery's Handbook
- Safety
- Blueprint Reading
- Mathematics
- Quality Tools
- Precision Measurement
- Drill Press and Band Saws
- Turning on a Lathe
- Electronic Discharge Machining
- Vertical/Horizontal Milling
- Surface, Cylindrical, and Tool and Cutter Grinding
- CNC Programming and Machining
- Machine Tool Projects