Take the Next Step

Go to www.kellogg.edu/industrial-trades for more information about Industrial Trades career options and KCC courses.

CONTACTS

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Kellogg Community College is an equal opportunity educator and employer and does not discriminate on the basis of national or ethnic origin, ethnicity, race, ancestry, color, sex (sex or gender; affiliation, expression or orientation), marital/family status, age, physical or mental ability or attributes, genetic information, political affiliation, veterans status, religion, or any other characteristic covered by law in its admission policy, educational programs, activities, or employment policies.
Nearly every sector of the manufacturing industry is dependent upon people with specialized machining technology 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 Machining Technology 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.

For more information on regional employment levels, occupational descriptions, and wages, visit ONET online at www.onetonline.org, or talk with the program instructor during the program orientation.

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 Machining Technology (30 credits)
- Industrial Machining Technology Associate in Applied Science (62 credits)
- Skilled Trades Associate in Applied Science for Journeyman or USDOL Apprenticeship card holders (62 credits)

RECOMMENDED TECHNICAL ELECTIVES
Drafting, Engineering Technology, Tool & Die and Robotics

COURSE WORK
The course work within the Industrial Machining Technology 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 Machining Technology 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
- Machining Technology Projects

For more information about our graduation rates, the median debt of students who completed the Industrial Machining Technology Certificate program, and other important information, please go to www.kellogg.edu/academic/Gedt_IndMachTech.html.