

ABOUT THE PROGRAM

Learn Computer Numerical Control (CNC) and Machining at your own pace, through hands-on learning. Just about every product that you use in your daily activities is the result of a machine tool manufacturing process. If you like hands-on work, are detail-oriented, and are able to develop and follow through on work instructions, a career in machine tool operation offers you lifelong opportunities.

PROGRAM OUTCOMES

- Apply basic safety practices in the machine shop.
- Interpret basic industrial/engineering drawings.
- Apply basic precision measuring methods to part inspection.
- Perform basic machine tool equipment set-up and operation

CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

Lakeshore credits transfer to over 30 universities. For more information visit gotoltc.edu/future-students/transfer.

ADMISSIONS AND FIRST SEMESTER ENROLLMENT STEPS

- Submit online application.
- Complete the online Student Success Questionnaire.
- Complete Student Success Tutorial prior to meeting with your program counselor.
- Schedule your 1st Time Program Counseling/Registration Session with your assigned Program Counselor/Success Coach to plan your first semester schedule, review your entire plan of study and discuss the results of the Student Success Questionnaire.

APPROXIMATE COSTS

\$149.50 per credit tuition (WI resident) plus \$8.97 per credit student activity fee. Material fee varies depending on course. Other fees vary by program. Visit gotoltc.edu/financial-aid/tuition-and-fees for details.

FINANCIAL AID

This program is not eligible for financial aid. Talk with your Admissions Advisor about payment options.

SPECIAL NOTE

- Learn when you want. Progress at your own pace. Receive personalized coaching and support. The full CBE definition may be found at gotoltc.edu/cbe.
- This program offers flexible start dates throughout the year.

RELATED PROGRAMS

- Certificate is embedded in the Precision Machining Technology and CNC Automation Technician Technical Diplomas
- Machinist Apprenticeship
- Tool & Die Apprenticeship

CONTACT

Lakeshore Admissions Advisor
 920.693.1366 • Admissions@gotoltc.edu

| Catalog No. | Class Title | Credit(s) |
|----------------|-------------------------------|-----------|
| COURSES | | |
| 31420310 | Shop Tools and Fasteners | 1 |
| 31420330 | Precision Measuring | 1 |
| 31420385 | Orthographic Projection Print | 1 |
| 31420325 | Machining Math Basic | 1 |
| 31420338 | Drills and Saws | 1 |
| 31420340 | Manual Lathe Operation | 1 |
| 31420350 | Manual Mill Operation | 1 |
| 31444301 | G&M Code Programming | 1 |
| TOTAL | | 8 |

Curriculum and program acceptance requirements are subject to change. Program start dates vary; check with your program counselor for details. The tuition and fees are approximate based on 2024-2025 rates and are subject to change prior to the start of the academic year.

DRILLS AND SAWS...learner will demonstrate use of sawing and drilling machines safely. COREQUISITE: 31420310 Shop Tools and Fasteners or PREREQUISITES: 31420394 Industrial Maintenance Machine Tool Intro or 10420194 Machine Tool Intro or CONDITION: 324571 Welding FabTech enrollment requirements met

MACHINING MATH BASIC...prepares the learner to apply basic technical math skills to solve problems.

MANUAL LATHE OPERATION...prepares the learner to perform lathe facing, turning, hole producing and threading operations safely. COREQUISITE: 31420310 Shop Tools and Fasteners or 31420394 Ind Mtn Machine Tool Introduction or 10420194 Machine Tool Introduction or CONDITION: 324571 Welding Fabrication Technician, 104622 Electro-Mech Maintenance Technician, or 314622 Maintenance Mechanic program requirements met

MANUAL MILL OPERATION...prepares the learner to perform squaring, slot milling and hole producing using a vertical mill machine safely. COREQUISITE: 31420310 Shop Tools and Fasteners or 31420394 Ind Mtn Machine Tool Intro or 10420194 Machine Tool Intro or CONDITION: 324571 Welding Fabrication Technician, 104622 Electro-Mech Maintenance Technician, or 314622 Maintenance Mechanic program requirements met

G&M CODE PROGRAMMING...prepares the learner to create milling G&M code programs.

ORTHOGRAPHIC PROJECTION PRINT...prepares the learner to interpret manufacturing orthographic projection prints.

PRECISION MEASURING...prepares the learner to demonstrate use of precision measuring instruments.

SHOP TOOLS AND FASTENERS...prepares the learner to demonstrate use of shop tools and fasteners. COREQUISITE: 31420330 Precision Measuring