



A member of the Wisconsin Technical College System

Machine Tool CNC Programming & Operations

Earn your CNC certificate at Lakeshore Technical College.

Course Descriptions

Machine Tool Measuring / 31 420 330...prepares the learner to use precision measuring instruments and measurement techniques, use comparison measuring instruments and measurement techniques, and perform layout processes.

CNC Turning Centers / 31 420 380 ...prepares the learner to follow computer numerical control (CNC) turning machine tool safety rules, identify components, set up and operate a CNC turning machine tool with Fanuc controls, and set up and operate a CNC turning machine tool with Mazatrol control.
COREQUISITE: 31420330 Machine Tool Measuring and 31420390 Industrial Maintenance Measurement

CNC Machining Centers / 31 420 382...prepares the learner to follow Computer Numerical Control (CNC) machining center machine tool safety rules, identify components, set-up, and operate a CNC machining center machine tool with Fanuc controls, and set up and operate a CNC machining center machine tool with Mazatrol controls. **COREQUISITE:** 31420330 Machine Tool Measuring and 31420390 Industrial Maintenance Measurement

CNC Programming / 10 420 184 ...prepares the learner to interpret positions in coordinate systems, prepare a sequence of machining operations, use G/M programming codes, and prepare G/M part programs for machining centers and turning centers and conversational part programs for turning centers and machining centers.

Machine Tool Print Reading / 31 457 385 ...prepares the learner to read prints; make isometric sketches; interpret orthographic projection drawings to include sections, auxiliary views, threads, fasteners, surface finishes, geometric dimensions, tolerancing, and assembly prints. The course is self-paced, open entry/ exit, and designed for individualized student needs and may be taken in two one-credit increments.

Questions ?? Call 1 888 GO TO LTC, ext 1266

REGISTRATION INFORMATION

Registration can be made by telephoning the Lakeshore Technical College Registration Desk at 1.888.468.6582; or by mailing the registration form with payment to Lakeshore Technical College Registration, 1290 North Ave., Cleveland, WI 53015-1414.

| PLEASE PRINT | | Lakeshore Technical College | | | Course Registration Request | | |
|--|--|-----------------------------------|---|--|---|-----------------|---|
| Student I.D. No. (8 digits) | | Last Name | First Name | | Middle | | |
| Social Security No. | | Former Names | | | Ethnic Background (check one box): 1.American Indian or Alaskan Native 2.Asian 3.Black, not of Hispanic Origin 4.Hispanic 5.White, not of Hispanic Origin 6.Native Hawaiian or Other Pacific Islander | | |
| Gender: 1.Male 2.Female | | Date of Birth | Month | Day | Year | | |
| E-Mail Address | | | | Home Phone Number () | | | |
| Home Address | | | City | | State | ZIP Code | |
| Employer Phone Number () | | Employer Name | | | Address | | Cell Phone Number |
| Place of Part-time Employment or Place Where You Volunteer Service | | | | Address | | | |
| I am a legal resident of: | | County | Town | Village | City | School District | |
| The following Information is for federal statistics | Work Status at Enrollment: 01 Employed, Full Time 02 Employed, Part Time 03 Underemployed 04 Unemployed, Seeking | Highest Grade of School Completed | Displaced Homemaker: 1. Yes 2. No | Last High School Attended and Location | High School Year You Will or Did Graduate | | Never Attended High School Withdrew From High School |
| Catalog Number | 5-Digit Class Number | Class Title | | | Start Date | Credits | |
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1.888.GO TO LTC

info@gotoltc.edu

gotoltc.edu



Machine Tool CNC Programming & Operations Certificate

19-420-1



Required Courses for the CNC Certificate

- 420-330 Machine Tool Measuring 1 credit
- 420-380 CNC Turning Centers 2 credits
- 420-382 CNC Machining Centers 2 credits
- 420-184 CNC Programming 2 credits
- 457-385 Machine Tool Print Reading 2 credits

The shop courses are offered Monday through Friday mornings and Monday and Wednesday evenings. The print reading course is offered in the afternoon or evening.

College Acceptance Requirements

Fill out an *Application for Completion Form*, which can be obtained from the records department. Pay Application Fee of \$10.00

Advance Standing

Individuals that have completed a state indentured apprenticeship in machinist or tool & die maker occupation may receive advance standing in MT Measuring. To find out if you qualify, contact Don Geiger, (1 888 468 6582 ext 1109). The cost for advance standing is \$10.00 per credit.

Is this a new trade for you?

Math is recommended for new students in this trade.

- 31 457 320 Machine Tool Math 3 credits

Contact us at:
gotoltc.edu
info@gotoltc.edu

1.888.GO TO LTC

(1.888.468.6582)

TTY: 920.693.8956

NCA-Accredited

Persons requiring accommodations to access services should call Lakeshore Technical College's Conference Center at Ext. 1167, seven (7) days in advance of the need.

LTC is an equal opportunity/access employer and educator.

1290 NORTH AVENUE
CLEVELAND WI 53015-1414
RETURN SERVICE REQUESTED

