



Introduction to Diamond Turning Workshop

This program is for incumbent precision optical and high precision machining workers who are preparing to move into a diamond turning position, as well as owners or managers who are looking to improve their understanding of diamond turning.

Format

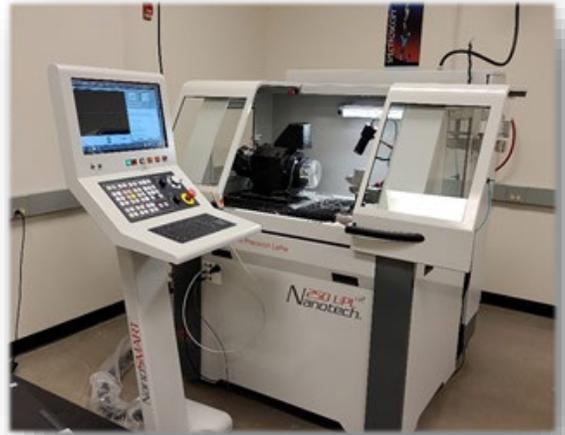
- 40-hour course developed with your working schedule in mind!
- 9 half-day sessions held over 3 weeks; allowing time for on-the-job practice in between sessions
- Times: 8:00 AM – 12:30 PM
- Dates: Tuesdays, Wednesdays and Thursdays
June 21, 22, 23, 28, 29, 30, July 5, 6, 7, 2022

Location

MCC Brighton Campus, Bldg. 9, Room 9-165
1000 East Henrietta Rd
Rochester, NY 14623

Program Highlights

- Mounting tool
- Mounting a work piece onto a vacuum chuck
- High speed spindle balancing
- Setting tool height
 - Using optical probe
- Cutting reference stud
 - Loading a program and program execution
- Touch off on a surface
- Fine adjustment of tool height
- X-axis correction
- Supporting Metrology
 - White light interferometric microscope
 - On machine metrology use
 - Phase shifting interferometry



Prerequisites

- Applicants should have 2-3 years of CNC manufacturing experience or Optical fabrication experience; or
- Completed OPT-235 Advanced Optical Fabrication and Metrology at MCC; or
- Be enrolled as a second-year Precision Machining major at MCC.

COVID-19 Information for All Participants

Monroe Community College is following the SUNY-mandated directive for all individuals attending in-person classes to provide verification of a COVID-19 vaccination. To qualify as vaccinated, all individuals must complete their vaccine series (1 or 2 shot dose) and get a COVID-19 booster shot when they are eligible (6 months after final vaccine dose). See additional information on Application form.

Cost

\$1,260 per participant

Funding opportunities available for qualifying applicants.

[Application Form](#)

Space is limited.

Questions? Contact Ross Micali at rmicali@monroecc.edu.