



## Introduction to Diamond Turning Summer Workshop

Apply now! Course is limited to the first 10 accepted participants.

Tuesdays & Thursdays mornings, July 13 – August 12, 2021

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 hands-on owners or managers who are looking to improve their understanding of diamond turning.

### Format:

- 40-hour course developed with your working schedule in mind!
- 10 half-day sessions held over 5 weeks; allowing time for on-the-job practice in between sessions
- Tuesdays and Thursdays, 8:00 AM to 12:00 NOON
- July 13, 15, 20, 22, 27, & 29; and August 3, 5, 10, & 12

### 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
- Cutting reference stud
  - Loading a program and program execution
  - Touch off on a surface
  - Fine adjustment of tool height
  - X-axis correction
- Setting tool height
  - Using optical probe
- 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.

### Cost:

- \$1,150  
*Funding opportunities available for qualifying applicants.*



**Space is limited.**

**Candidates must apply for consideration by sending an email to Ross Micali**

Questions? Contact Ross Micali at [rmicali@monroecc.edu](mailto:rmicali@monroecc.edu)