



Introduction to Magnetorheological Finishing (MRF) Workshop

This program is for incumbent precision optical workers, owners, and managers who are looking to improve their understanding of MRF.

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: 1:30 – 6:00 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

- Plumbing of the MR Fluid system (FCM)
- Taking initial surface metrology
 - Fiducial marking
- Measuring ribbon height and taking spots
- Mounting a work piece onto a vacuum chuck
- Loading part data for a run
- Fiducial alignment
 - Using on machine optical alignment camera
- Initiating a “solve” run to correct figure error
- Supporting Metrology
 - White light interferometric microscope
 - Phase shifting interferometry

Prerequisites

- Applicants should have 2-3 years 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.