



## 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: 8:00 AM – 12:30 PM
- Dates: Tuesdays, Wednesdays and Thursdays  
January 4,5,6,11,12,13,18,19, 20, 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.

### Cost:

- \$1,630 per participant  
*Funding opportunities available for qualifying applicants.*

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