



SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

# Precision Tooling Certificate *Accelerated Option*

**GAIN HANDS-ON TRAINING AND JOB-READY SKILLS THAT ARE IN HIGH DEMAND.** MCC has one of the best-equipped college machining programs in New York State. Our Precision Machining certificate program provides you with first-hand experience in the most current techniques and technology, plus the opportunity to learn directly from journeyman machinists with years of professional experience. In just 22 weeks, you'll graduate with a certificate and highly sought skills that prepare you for immediate employment.

## PROGRAM DESCRIPTION

This accelerated, 22-week certificate program is designed to prepare you for immediate employment in the precision machining industry. You'll learn the principles and practices of precision metalworking, and then apply these skills to applications in automotive, military, aerospace, and medical industries.

Students interested in this program may also be interested in the two-year Precision Machining associate degree program, or the Apprentice Training & Machine Trades program.

“When I get a resume from an MCC graduate, it goes to the top of the pile.”  
*– Jim Sydor  
Sydor Optics*

## CURRICULUM OVERVIEW

### FIRST SEMESTER:

- TAM 121 Mathematics for Machinists I
- TAM 131 Machine Shop Print Reading I
- TAM 101 Machine Shop Theory I
- TAM 141 Machine Shop Lab
- TAM 105 Machine Project Lab **OR**  
Program Technical Elective

### SECOND SEMESTER:

- TAM 139 Machine Shop Theory II
- TAM 132 Machine Shop Print Reading II
- TAM 142 CNC-Mill Set-up
- TAM 138 Dimensional Metrology
- TAM 205 CNC Machining Project Lab
- CRC 112 Intro to MS Windows
- CRC 113 Intro to MS Excel
- CRC 115 Intro to MS Word

**Total Credits: 32**



GET THE LATEST ON CAREERS IN OUR AREA, INCLUDING EMPLOYMENT PROJECTIONS, EARNINGS, AND JOB OPENINGS AT [CAREERCOACH.MONROECC.EDU](http://CAREERCOACH.MONROECC.EDU)

*Start your career with employers like these:*

- DP Tool and Machine
- MWI, Inc.
- Brinkman Precision
- Optimax Systems
- Cooper Vision
- Rochester Precision Optics
- Gleason Corporation

*Your job title could be:*

- Computer-Controlled Machine Tool Operator—Metal and Plastic/Optician
- Machinist—Optical, Aircraft, or Automotive
- First-Line Supervisor of Production and Operating Workers
- Machine Builder

*Average starting salary: \$33,000 per year.*

**A STRONG START—ACADEMICALLY AND FINANCIALLY!**

MCC's low tuition (\$1,900 per semester) plus financial aid opportunities help make a high-quality education affordable. You could qualify for federal grants, workforce grants, scholarships, and more.

Visit [www.monroecc.edu/go/finaid](http://www.monroecc.edu/go/finaid) or call 585.292.2050.

**AMONG THE BEST COMMUNITY COLLEGES**

MCC is part of the State University of New York (SUNY) and recognized as being among the 19 most innovative community colleges in the United States as a member of the League for Innovation in the Community College. The League's members demonstrate educational leadership in academics, technology, workforce development, and administration.

**VISIT US!**

Online at [www.monroecc.edu/depts/apptech](http://www.monroecc.edu/depts/apptech). Or call 585.292.3770.

Apply today at [admissions.monroecc.edu](http://admissions.monroecc.edu) or contact the Admissions Office at 585.292.2200 to schedule a visit.