



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

Mechatronics Certificate

COMBINE MANY INTERESTS INTO ONE FASCINATING CAREER. If you'd like a job where every day is different, this unique, interdisciplinary program—designed in partnership with industry leaders—is for you. This program combines the principles of electrical-mechanical and computer control used by highly-skilled maintenance technicians working in automated manufacturing. Through MCC's Mechatronics Certificate, you'll learn the most current processes and techniques, work on new, high-tech equipment, and participate on team projects that simulate industry scenarios. Given MCC's reputation for excellence in technical training, you'll graduate well prepared for success in today's manufacturing job market.

PROGRAM DESCRIPTION

The Mechatronics Certificate prepares graduates for entry-level positions that involve the operation and maintenance of electro-mechanical-computer controlled systems commonly found in automated manufacturing environments. Systems-level analysis, assembly, and troubleshooting techniques are stressed with hands-on laboratory experiences that complements classroom-based instruction. This certificate represents the first half of the Applied Integrated Technology A.A.S degree program. Upon completion, you can enter the job market or transfer your credits toward the associate degree.

"This program was designed specifically for industry opportunities that are opening up now."
—Matt Fetzner,
Chair/Engineering Technologies

CURRICULUM OVERVIEW

Please note: Courses are subject to change. See an academic advisor for the most current curriculum requirements.

FIRST SEMESTER:

- MTH 140 Technical Mathematics I
- MET 107 Mechanical Systems
- ELT 130 Systems Electricity
- ELT 134 Introduction to Programmable Logic Controllers
- MET 110 Hydraulics and Pneumatics

SECOND SEMESTER:

- MET 250 Mechatronics Systems
- ELT 231 System Control Electronics
- TAM 138 Dimensional Metrology
- MET 101 Technical Graphics **OR**
- MET 121 Computer Aided Drafting/Design 1
- ELT 234 Advanced Programmable Logic Controllers

TOTAL CREDITS: 30



**GET THE LATEST ON CAREERS IN OUR AREA, INCLUDING
EMPLOYMENT PROJECTIONS, EARNINGS, AND JOB OPENINGS AT
CAREERCOACH.MONROECC.EDU**

Start your career at employers like these:

- Cooper Vision
- Gleason Corporation
- Harris Corporation
- LeDestri Foods

Your job title could be:*

- Equipment Maintenance Technician
- Electro-Mechanical Technician
- Industrial Equipment Maintenance Technician
- Robotics Technician

Average annual starting salary: \$33,000

** Educational and experience requirements may vary.*

A STRONG START—ACADEMICALLY AND FINANCIALLY!

MCC's low tuition (\$2,050 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 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.

FIND OUT MORE

To learn more about MCC, visit us on the web at www.monroecc.edu.

Apply today at admissions.monroecc.edu or contact the Admissions Office at 585.292.2200 to schedule a visit.