



Monroe Community College

STATE UNIVERSITY OF NEW YORK

Inspiring every day.



SCHOOL OF APPLIED SCIENCES & TECHNOLOGIES

Mechanical Technology A.A.S.

GET MARKETABLE PROFESSIONAL SKILLS FOR A WIDE RANGE OF HIGH-TECH INDUSTRIES. The Mechanical Technology associate degree program at Monroe Community College offers an excellent, hands-on introduction to engineering principles related to high-tech machinery. You'll learn from top-notch professors who've spent years in the industry and won numerous teaching awards. And you'll have the chance to showcase your design skills as a member of MCC's awardwinning student robotics team. Upon completing the degree you'll have strong credentials to compete for entry-level positions in mechanical design.

PROGRAM DESCRIPTION

The Mechanical Technology A.A.S. program will introduce you to the principles, materials, and equipment of mechanical technology. You'll develop important skills such as drafting, design, and computer-aided design (CAD), while gaining an understanding of basic machine components. You'll take courses in manufacturing, physics, materials, and electronics. Upon graduation, you'll be ready to move directly into the job market.

A STRONG START—ACADEMICALLY AND FINANCIALLY!

MCC's low tuition 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.

APPLY TODAY!

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.



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

WHERE WILL YOU GO?

Start your career with employers like these:

- Delphi
- Retrotech, Inc.
- ITT Goulds Pumps
- Corning, Inc.
- Xerox Corp.
- Gorbel, Inc.
- Framing Technology
- Harris Corp.
- Swaglock--Western New York

Your job title could be:

- Materials Engineer
- Mechanical Drafter
- Mechanical Engineering Technician
- Technical Salesperson
- Inspector, Tester, Sorter, Sampler, and Weigher

"Our transfer schools often tell us that MCC graduates are some of their best students!"

– Matt Fetzner, Chair/Engineering Technologies

CURRICULUM OVERVIEW

MECHANICAL TECHNOLOGY A.A.S.

Distribution Requirements	Credit Hours
FIRST SEMESTER: 17 Credit Hours	
ENG 101 College Composition OR ENG 200 Advanced Composition	3
MTH 140 Technical Mathematics I* OR MTH 165 College Algebra or higher	3
MET 101 Technical Graphics	3
MET 103 Manufacturing Processes I	2
OPT 135 Measurement and Analysis	4
TEK 101 Computer Applications for Technicians	2
Total	17
SECOND SEMESTER: 14 Credit Hours	
MTH 141 Technical Mathematics II* OR MTH 175 Precalculus Mathematics with Analytical Geometry or higher	3
PHY 131 Applied Physics I OR PHY 145 College Physics I OR PHY 154 General Physics I OR PHY 161 University Physics I	4
MET 121 Computer Aided Drafting/Design I	3
MET 203 Technical Mechanics, Statics	3
PHYSICAL/HEALTH EDUCATION ELECTIVE	1
Total	14
THIRD SEMESTER: 17 Credit Hours	
ENG 251 Technical Writing	3
ELT 130 Basic Electricity and Electronics OR ELT 121 AC/DC Circuit Analysis	3
MET 206 Engineering Materials	3
MET 225 Machine Design Theory I	3
PHY 132 Applied Physics II OR PHY 146 College Physics II OR PHY 155 General Physics II OR PHY 261 University Physics II	4
PHYSICAL/HEALTH EDUCATION ELECTIVE	1
Total	17
FOURTH SEMESTER: 15 Credit Hours	
CIT 204 Strength of Materials	3
SOCIAL SCIENCE ELECTIVE	3
MET 208 Technical Mechanics, Dynamics	3
MET 226 Machine Design Theory II	3
TECHNICAL ELECTIVE**	3
Total	15
TOTAL CREDITS	63

* Students not proficient in algebra or trigonometry should take MTH 135 preferably in Summer Session prior to starting Mechanical Technology. Students with excellent high school math records may wish to select a more advanced math program following consultation with the Mathematics Department.

** Technical Elective: Any course in CIT, ELT, MET, OPT or ENR 153, ENR 157, ENR 161, ENR 259 or see department chairperson for a substitution waiver.