

MECHANICAL

MCC
ENGINEERING
TECHNOLOGIES
DEPARTMENT

Looking for an Exciting and Rewarding Mechanical Technician Position?

MECHANICAL TECHNOLOGY A.A.S DEGREE PROGRAM

Program Information

Job Possibilities:

Graduates of the program should find employment as CAD operators, engineering assistants, technicians and technical representatives.

Program Description:

The Mechanical Technology program at Monroe Community College prepares students for challenging careers in mechanical design, R&D, product development, testing, and mechanical field service. The mechanical designer of today requires knowledge in many areas including mechanical drafting, computer-aided drafting and design, machine shop, robotics and machine components. Our Mechanical Technology program provides a thorough understanding of these concepts as they apply to today's high technology. In particular, our drafting and design courses emphasize the national standards for drafting and geometric dimensioning and tolerancing.

The Mechanical Technology program introduces the student to the principles, materials and equipment of mechanical technology. Emphasis is placed on computer-aided drafting/design (CAD) and an understanding of basic machine components.

We Offer a Technical Program Just For You!

With programs in Electrical, Mechanical, Optical, and Construction Tech at MCC we have just the right 2-yr A.A.S or certificate program for your future career!

Monroe Community College
Engineering Technologies Dept.
1000 East Henrietta Rd.
Rochester, NY 14623

THERE'S MORE TO YOU.
THERE'S MORE TO MCC.

www.monroecc.edu/go/et

Contact Information:

Engineering Technologies
Department Secretary
Phyllis Clair: 585 292 2002

Mechanical Technology Program Coordinator: Robert Mills
Email: rmills2@monroecc.edu

MECHANICAL TECHNOLOGY

MECHANICAL TECHNOLOGY A.A.S DEGREE PROGRAM Course Listing

FIRST SEMESTER: 17 Credit Hours	
ENG 101 College Composition OR ENG 200 Advanced Composition	3
MTH 140 Technical Mathematics I*	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: 17 Credit Hours	
MTH 141 Technical Mathematics II*	3
PHY 131 Applied Physics I	4
MET 121 Computer Aided Drafting/Design I	3
MET 203 Technical Mechanics, Statics	3
SOCIAL SCIENCE ELECTIVE	3
Physical/Health Education	1
Total	17
THIRD SEMESTER: 17 Credit Hours	
ENG 251 Technical Writing	3
ELT 130 Basic Electricity and Electronics	3
MET 105 Machine Design Theory I	3
MET 206 Engineering Materials	3
PHY 132 Applied Physics II	4
Physical/Health Education	1
Total	17
FOURTH SEMESTER: 15-16 Credit Hours	
CIT 204 Strength of Materials	3
SOCIAL SCIENCE ELECTIVE	3
MET 106 Machine Design Theory II	3
MET 208 Technical Mechanics, Dynamics	3
TECHNICAL ELECTIVE**	3-4
Total	15-16
TOTAL CREDITS	66-67



NEW MECHANICAL TECHNOLOGY CAD LAB



DIMENSION MODEL 1200ES 3D PRINTER

* 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 see department chairperson for a substitution waiver.