

# Mechanical Engineering Technology

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## Associate in Applied Science Degree

This program prepares students to fill mechanical engineering technician (or related) career fields. It also lays a foundation for students who plan on pursuing a four-year mechanical technology curriculum. The program includes topics in technical computing, mechanical analysis, manufacturing systems, and material testing. The Mechanical Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org>.

Prospective students should take three years of rigorous college preparatory mathematics (four are recommended), including algebra, geometry, and trigonometry. One year of high school, laboratory science is required (chemistry and physics are recommended). The Computer-Aided Drafting certificate or AOS Degree may serve as preparation for this program; check with the School of STEM - Career for an advisor.

### Total Credit Hours: 64

#### First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
MA121 Fund Coll Math 1	4.0
MT114 Manufacturing Processes	3.0
MT140 Draft & Design Using AutoCAD	3.0
MT155 Intro to Solid Modeling	3.0
Physical Education Elective	0.5

#### Second Semester

EN102 English 2:Idea&Values Lit	3.0
MA122 Fund Coll Math 2	4.0
MT126 Statics-Mechanical	3.0
MT141 Machining Fundamentals	4.0
Physical Education Elective	0.5

#### Third Semester

CH141 or PH151	4.0
MT207 Computer Aided Mftg	3.0
MT230 Strength/Matrls-Mech	4.0
MT231 Lean Six Sigma	4.0
Physical Education Elective	0.5

#### Fourth Semester

MT203 Design/Mach Elements	3.0
MT204 Automatic Controls	3.0
MT209 Materials Science	3.0
MT252 Fluid Mechanics	4.0
GE Social Science Elective (a)	3.0
Physical Education Elective	0.5

(a) Social Science Restricted electives: AN101 Biological Anthropology, BM101 Survey of Economics, PY101 Introduction to General Psychology, and SO101 Introduction to Sociology.