

Mechanical Engineering Technology- Associate in Applied Science

STC 136	Introduction to Interpersonal Communication	3
Total Credit Hours		58

This program emphasizes courses in computer-aided drafting (CAD), computer-aided engineering analysis and design, computer-aided manufacturing (CAM), computer numerical control programming (CNC), and engineering mechanics. Courses include laboratory experiences working with modern materials-testing equipment; microcomputer-based engineering analysis software; CAD/CAM hardware and software; microprocessor-controlled robots; and a variety of engineering support software. Students develop the ability to analyze, synthesize, and solve technical problems. This program is accredited by the Engineering Technology Accreditation Commission of ABET (111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone, 410-347-7700, <http://www.abet.org/>).

Graduates work as CAD operators, CAD/CAM operators, CNC programmers, quality assurance technicians, laboratory test technicians, engineering assistants, and many other related paraprofessional positions. Graduates may also choose to continue their education toward a Bachelor of Science in Applied Science.

Program Requirements

(58 semester hours)

Code	Title	Credit Hours
CSE 163	Introduction to Computer Concepts and Programming	3
or CSE 153	Introduction to C/C++ Programming	
ECO 201	Principles of Microeconomics	3
ENG 111	Composition and Rhetoric	3
EGS 215	Workplace Writing	3
or ENG 313	Technical Writing	
ENT 135	Computer-Aided Drafting	3
ENT 137	Introduction to Engineering Technology	1
ENT 151	Engineering Materials	3
ENT 152	Computer-Aided Manufacturing I	3
ENT 192	Circuit Analysis I	3
ENT 235	Computer-Aided Design	3
ENT 252	Computer-Aided Manufacturing II	3
ENT 271	Mechanics I: Statics	3
ENT 272	Mechanics II: Strength of Materials	3
ENT 278	Mechanics III: Analysis of Machine Components	3
MTH 124	Trigonometry	3
MTH 151	Calculus I	4
PHY 161	Physics for the Life Sciences with Laboratory I	4
PHY 162	Physics for the Life Sciences with Laboratory II	4