Engineering Technology

Offered MCC-Business & Technology

A.A.S. Engineering Technology
- Architecture ..... 65-66 Credits
- Civil ..... 63 Credits
- Computer & Electronics ..... 64-66 Credits
- Mechanical/Manufacturing Tech ..... 62 Credits

This program leads to an Associate in Applied Science degree and prepares the student to enter the workforce in the mechanical engineering, civil engineering, architecture, and computer and electronics fields. Graduates will have a strong background in mathematics, design principles, computer aided design and other technologies relating to the engineering fields. Graduates will assist engineering professionals in the design process and be an integral part of the design team. This program transfers to area universities if the student wishes to pursue a four-year degree in engineering technology or related degree.

A.A.S. Engineering Technology: Architecture Emphasis

204405 Revised 2/2013 (Summer 2013)

General Education Requirements		Credits	Semester Taken	Prerequisites
ENGL 101	Composition and Reading I	3		ENGL 30/90 or appropriate placement test score
ENGL 215	Technical Writing	3		ENGL 101
COMM 100	Fundamentals of Speech	3		ENGL 30/90 or appropriate placement test score
HIST 120 HIST 121 POLS 135 POLS 136 POLS 137	U.S. History to 1865 ***or*** U.S. History since 1865 ***or*** Introduction to Political Science ***or*** Introduction to American National Politics ***or*** Introduction to State and Local Politics	3		
MATH 120 MATH 130 MATH 150	College Algebra and Trigonometry or PreCalculus	5-6		MATH 110 or satisfactory placement test score
MATH 180	Analytic Geometry and Calculus I	5		MATH 130 or 150
Minimum Total General Education Credit Hours		**18**		
Specific Program Requirements				
ENGR 101	Introduction to the Profession	1		
EHSS 111 EHSS 112	Intro to Health & Safety for General Industry or Intro to Health & Safety for Construction	1		
ETEC 152	Engineering Graphics and CADD I	5		MATH 40/40L or appropriate placement test score
ETEC 153	Descriptive Geometry	3		ETEC 152
ETEC 200	Applied Statics & Mechanics	3		MATH 104 or 130
ETEC 268	Introduction to Structural Steel Design	3		ETEC 152
ETEC 269	CADD II	4		ETEC 152 or 169
PHYS 130	General Physics	5		MATH 130 or appropriate placement test score.
ETEC 170	CADD I, Microstation	3		ETEC 152
ETEC 210	Introduction to Commercial Architecture	3		ETEC 152 and 155
ETEC 211	Building Information Modeling, Revit	3		ETEC 220
ETEC 265	Introduction to Civil Design	3		ETEC 152
ETEC 290 ETEC 295	Internship in Engineering Technology or Capstone Project in Engineering Technology	3		ETEC 152 ETEC 152, 269, 270, 271
SRVY 135	Elementary Surveying	3		MATH 130 or 150
Total Credit Hours Required		**65-66**		