

Engineering Technology

Offered MCC-Business & Technology

This program leads to an Associate in Applied Science degree and prepares the student to enter the workforce in engineering technology, assisting engineering professionals in the design process as an integral part of the design team. Graduates will have a strong background in mathematics, design principles, computer aided design and other technologies relating to the engineering fields. 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	60-61 Credits
Civil Engineering.....	60-61 Credits
Computer & Electronics.....	64-65 Credits
Mechanical/Manufacturing Tech	62-63 Credits
Mechatronics	66-67 Credits
BIM Certificate	20-22 Credits

A.A.S. Engineering Technology: Architecture Emphasis

204405 Revised 11/2018 (Fall 2019)

COLL 100	First Year Seminar or	1		
ENGR 101	Introduction to the Profession			
General Education Requirements		Credits	Semester Taken	Prerequisites
ENGL 101	Composition and Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
ENGL 215	Technical Writing	3		ENGL 101
COMM 100	Fundamentals of Speech	3		ENGL 90 with a minimum grade of S or appropriate placement score.
HIST 120	U.S. History to 1865 <i>or</i>	3		
HIST 121	U.S. History since 1865 <i>or</i>			
POLS 135	Introduction to Political Science <i>or</i>			
POLS 136	Introduction to American National Politics <i>or</i>			
POLS 137	Introduction to State and Local Politics			
PHYS 130	General Physics	5		MATH 130 or appropriate placement test score.
Option #1		5-6		MATH 95 with a grade of C or higher or appropriate placement (MATH 120 and 150) MATH 120 (MATH 130)
MATH 120	College Algebra and			
MATH 130	Trigonometry			
Option #2				
MATH 150	PreCalculus or higher			
Minimum Total General Education Credit Hours		18		
Specific Program Requirements				
EHSS 111	Intro to Health & Safety for General Industry or	1		
EHSS 112	Intro to Health & Safety for Construction			
ETEC 152	Engineering Graphics and CADD I	5		MATH 95 with a grade of C or higher or appropriate placement
ETEC 153	Descriptive Geometry	3		ETEC 152
ETEC 170	CADD I, Microstation	3		ETEC 152
ETEC 200	Applied Statics & Mechanics	3		MATH 104 or 130
ETEC 210	Introduction to Commercial Architecture	3		ETEC 152 and 155
ETEC 211	Building Information Modeling, Revit	3		ETEC 152, concurrent enrollment or Project Lead the Way, Introduction to Engineering Design
ETEC 265	Introduction to Civil Design	3		ETEC 152
ETEC 268	Introduction to Structural Steel Design	3		ETEC 152
ETEC 269	CADD II	4		ETEC 152 or 169
ETEC 290	Internship in Engineering Technology or	3		EETEC 152 EETEC 152, 269, 270, 271
ETEC 295	Capstone Project in Engineering Technology			
SRVY 135	Elementary Surveying	3		MATH 130 or 150 with a minimum grade of C or appropriate placement
Total Credit Hours Required		60-61		