

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	60-63 Credits
Civil Engineering.....	61-64 Credits
Computer & Electronics.....	64-67 Credits
Mechanical/Manufacturing Tech	62-65 Credits
Mechatronics	68 Credits
BIM Certificate	20-22 Credits

A.A.S. Engineering Technology: Architecture Emphasis

204405 Revised 12/2017 (Fall 2018)

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 or HIST 121 U.S. History since 1865 or POLS 135 Introduction to Political Science or POLS 136 Introduction to American National Politics or POLS 137 Introduction to State and Local Politics	3		
PHYS 130 General Physics	5		MATH 130 or appropriate placement test score.
Option #1 MATH 120 College Algebra and MATH 130 Trigonometry Option #2 MATH 150 PreCalculus or higher	5-7		MATH 95 with a grade of C or higher or appropriate placement (MATH 120 and 150) MATH 120 (MATH 130)
Minimum Total General Education Credit Hours	18		
Specific Program Requirements			
ENGR 101 Introduction to the Profession	1		
EHSS 111 Intro to Health & Safety for General Industry or EHSS 112 Intro to Health & Safety for Construction	1		
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 ETE 295 Capstone Project in Engineering Technology	3		ETEC 152 ETE 152, 269, 270, 271
SRVY 135 Elementary Surveying	3		MATH 130 or 150 with a minimum grade of C or appropriate placement
Total Credit Hours Required	60-63		