

# Engineering Technology

## A.A.S. Engineering Technology: Civil Engineering Technology Emphasis

204401 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
SPAN 100	Beginning Occupational Spanish	3		
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 <b>or</b>	3		
HIST 121	U.S. History since 1865 <b>or</b>			
POLS 135	Introduction to Political Science <b>or</b>			
POLS 136	Introduction to American National Politics <b>or</b>			
POLS 137	Introduction to State and Local Politics			
<b>Option #1</b>		5-7		MATH 95 with a grade of C or higher or appropriate placement (MATH 120 and 150) MATH 120 (MATH 130)
MATH 120	College Algebra or			
MATH 130	Trigonometry			
<b>Option #2</b>				
MATH 150	PreCalculus or higher			
PHYS 130	General Physics	5		MATH 130 or appropriate placement test score.
<b>Minimum Total General Education Credit Hours</b>		<b>18</b>		
<b>specific Program Requirements for:</b>				
EHSS 111	Introduction to Health & Safety for General Industry	1		
ENGR 101	Introduction to the Profession	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 200	Applied Statics and Mechanics	3		MATH 104 or 130
ETEC 268	Introduction to Structural Design	3		ETEC 152
ETEC 269	CADD II	4		ETEC 152 or 169
<b>specific Emphasis Requirements Civil</b>				
ETEC 265	Introduction to Civil Drafting	3		ETEC 152
GEOG 120	Introduction to Geographic Information Systems	3		
GEOG 220	GIS Database and Design	3		GEOG 120
GEOG 224	Applications in Geographic Information Systems	3		GEOG 120 and 220
SRVY 135	Elementary Surveying	3		MATH 130 or 150 with a minimum grade of C or appropriate placement
<b>Total Credit Hours Required</b>		<b>61-64</b>		