

# Engineering Technology

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

204401 Revised 12/2016 (Fall 2017)

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
SPAN 100	Beginning Occupational Spanish	3		
COMM 100	Fundamentals of Speech	3		ENGL 30/90 or appropriate placement test 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			
Option #1		5-8		MATH 110 or satisfactory placement test score
MATH 120	College Algebra or			
MATH 120R	College Algebra w/ Review			
MATH 130	Trigonometry			
Option #2		5		MATH 130 or appropriate placement test score.
MATH 150	PreCalculus or higher			
PHYS 130	General Physics	5		
<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 40/40L or appropriate placement test score
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
SRVY 235	Advanced Surveying	3		SRVY 135
<b>Total Credit Hours Required</b>		<b>64-67</b>		