

## Engineering Technology

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

204400-204401 Revised 11/2012 (Spring 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
EHSS 111	Introduction to Health & Safety for General Industry	1		
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>			
HIST 121	U.S. History since 1865 <b>or</b>			
POLS 135	Introduction to Political Science <b>or</b>	3		
POLS 136	Introduction to American National Politics <b>or</b>			
POLS 137	Introduction to State and Local Politics			
MATH 180	Analytic Geometry and Calculus I	5		MATH 130 or 150
<b>Minimum Total General Education Credit Hours</b>		<b>18</b>		
<b>Specific Program Requirements for:</b>				
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	Structural Design	3		MATH 104 or 130
ETEC 268	Structural Steel Blueprint Reading	3		ETEC 152
ETEC 269	CADD II	4		ETEC 152 or 169
PHYS 130	General Physics	5		MATH 130 or appropriate placement test score.
<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 105, 130 or 150
SRVY 235	Advanced Surveying	3		SRVY 135
<b>Total Credit Hours Required</b>		<b>64</b>		