

Engineering Technology

A.A.S. Engineering Technology: Mechanical/Manufacturing Emphasis

204402 Revised 12/2016 (Fall 2017)

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 or	3		
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			
Option #1		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 and			
MATH 130	Trigonometry			
Option #2		5		MATH 130 or appropriate placement test score.
MATH 150	PreCalculus or higher			
PHYS 130	General Physics	5		
Minimum Total General Education Credit Hours		18		
Specific Program Requirements:				
EHSS 111	Introduction to Health and 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 & Mechanics	3		MATH 104 or 130
ETEC 268	Introduction to Structural Steel Design	3		ETEC 152
ETEC 269	CADD II	4		ETEC 152 or 169
Specific Emphasis Requirements				
Mechanical/Manufacturing				
ETEC 258	Introduction to Machine Design	3		ETEC 152
ETEC 270	Parametric Modeling Inventor or	3		ETEC 152
ETEC 271	Parametric Modeling Solidworks			
ETEC 272	Adv. Parametric Modeling and Prototyping, Inventor or	3		ETEC 270 EETEC 271
ETEC 273	Advanced Parametric Modeling and Prototyping, Solidworks			
CIMM 101	Machine Shop Safety	1		
CIMM 102	Basic Lathe Operation	1		CIMM 101
CIMM 103	Basic Mill Operation	1		CIMM 101
CIMM 121	CNC Lathe Operation Fundamentals or	4		CIMM 110 CIMM 115
CIMM 122	CNC Mill Operation Fundamentals			
WELD 100	Introduction to Welding/Cutting Processes	1		
Total Credit Hours Required		62-65		