

Engineering Technology

A.A.S. Engineering Technology: Mechatronics

204407 Approved 10/2016 (Fall 2017)

General Education Requirements		Credits	Semester Taken	Prerequisites
COMM 100	Fundamentals of Speech	3		ENGL 30/90 or appropriate placement test score
ENGL 101	Composition and Reading I	3		ENGL 30/90 or appropriate placement test score
ENGL 215	Technical Writing	3		ENGL 101
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			
MATH 120	College Algebra and	5		MATH 110 or appropriate placement test score MATH 120 or appropriate placement test score
MATH 130	Trigonometry or higher			
PHYS 130	General Physics I or	5		MATH 130 MATH 190 (co-requisite)
PHYS 220	Engineering Physics I			
Specific Program Requirements:				
EHSS 111	Introduction to Health and Safety for General Industry or	1		
EHSS 112	Introduction to Health and Safety for Construction			
ENGR 101	Introduction to the Profession	1		
ETEC 114	DC Circuit Analysis	4		MATH 120 or higher
ETEC 118	AC Circuit Analysis	4		MATH 130 or higher or concurrent enrollment
ETEC 130	Digital Electronics	4		MATH 103 or higher
ETEC 152	Engineering Graphics and CADD I or	3-5		MATH 40/40L or appropriate placement test score
ETEC 169	CADD I			
ETEC 200	Applied Statics & Mechanics	3		MATH 104 or 130
ETEC 220	Analog Devices	4		ETEC 118
ETEC 290	Internship in Engineering Technology or	3		ETE 152 ETE 152, ETEC 269, ETEC 270 or ETEC 271
ETEC 295	Capstone Project in Engineering Technology			
INTE 270	Instrumentation and Process Controls	3		HVAC 201 or INTE 271
INTE 271	Programmable Logic Controller I	4		INTE 113, INTE 175
Electives	Choose 3: Any INTE course over 200, ETE 230, 258, 270, 271	9-10		
Total Credit Hours Required		68		