

Engineering Technology

A.A.S. Engineering Technology: Mechatronics

204407 Revised 2/2018 (Fall 2018)

General Education Requirements		Credits	Semester Taken	Prerequisites
COLL 100	First Year Seminar	1		
COMM 102	Fundamentals of Human Communication	3		ENGL 90 with a minimum grade of S or appropriate placement score
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
HIST 120	U.S. History to 1865 or	3		
HIST 121	U.S. History since 1865 or			
POLS 136	Introduction to American National Politics			
MATH 120	College Algebra and	6		MATH 95 with a grade of C or higher or appropriate placement (MATH 120) MATH 120 (MATH 130)
MATH 130	Trigonometry or higher			
PHYS 130	General Physics I or	5		MATH 130 (PHYS 130) MATH 180 with a C or higher and co-requisite MATH 190 (PHYS 220)
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 or (PLTW DE)	4		MATH 103 or higher
ETEC 220	Analog Devices	4		ETEC 118
ETEC 270	Parametric Modeling or (PLTW IED)	3		ETEC 152, concurrent enrollment, or PLTW Intro to Engineering Design
ETEC 290	Internship in Engineering Technology or	3		ETEC 152 EETEC 152, ETEC 269, ETEC 270 or ETEC 271
ETEC 295	Capstone Project in Engineering Technology			
Choose any of the following electives: CSIS 112, 113; ETEC 152, 200, 212, 230, 240, 258, 269, 271; Or INTE 101, 270, 271, 272, 273, 281		20		See an academic advisor for recommendations.
Total Credit Hours Required		68		