

Engineering Technology

A.A.S. Engineering Technology: Mechatronics

204407 Revised 10/2020 (Fall 2021)

General Education Requirements		Credits	Semester Taken	Prerequisites
COMM 102	Fundamentals of Human Communication	3		ENGL 90 or appropriate test score
ENGL 101	Composition and Reading I	3		ENGL 90 or appropriate test score
ENGL 215	Technical Writing	3		ENGL 101
HIST 120 HIST 121 POLS 136	U.S. History to 1865 <i>or</i> U.S. History since 1865 <i>or</i> Introduction to U.S. National Politics	3		
MATH 120 MATH 130 MATH 150	College Algebra <i>and</i> Trigonometry or higher or Precalculus or higher	5-6		MATH 95 or appropriate test score MATH 120 or appropriate test score
PHYS 130 PHYS 220	General Physics I <i>or</i> Engineering Physics I	5		MATH 130 (PHYS 130) MATH 180 with a C or higher and co-requisite MATH 190 (PHYS 220)
Minimum Total General Education Credit Hours		22-23		
Specific Program Requirements:				
EHSS 111	Introduction to Health and Safety for General Industry or	1		
EHSS 112	Introduction to Health and Safety for Construction			
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	Inventor or (PLTW IED)	3		ETEC 152 or PLTW Intro to Engineering Design
ETEC 290 ETE 295	Internship in Engineering Technology or Capstone Project in Engineering Technology	3		ETEC 152 ETE 152, ETEC 269, ETEC 270 or ETEC 271
Choose any of the following electives: CSIS 112, 113; ETE 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		65-66		