

B.S. in Engineering Technology Electromechanical Emphasis 2022-23

GE Courses are required to graduate with a Bachelor's Degree from SUU.

Engineering Technology Core Requirements	CCET 1030	Intro to CAD/CAM 3D Design	3	F/S	
	EET 4960	Capstone Project	3	F/S	EET 1700, 2700, 2780 and 3760
	CCET 2620	3-D Design	3	F	
	CCET 2650	Mechanical Blueprint Reading	2	F	CCET 2620 or CCET 3630 or CCET 3690 or
	CCET 2690	Fundamentals of Manufacturing	3	F	CCET 1030 or CCET 2620 or ENGR 1030
	EET 1600	Robotics and Automation I	3	F	
	ENGR 1030	Computer-Aided Design - SolidWorks	3	F/S/Su	
	PHYS 2010/15	College Physics I/Lab	4/1	F/Su	MATH 1060 or ALEKS 75 or ACT 26
Select one	MATH 1100	Applied Calculus	3	S	MATH 1050 or ALEKS 60
	MATH 1210	Calculus I	4	F/S/Su	MATH 1050 & 1060 or ALEKS 75
Select one	COMM 4240	Technical Writing	3	F/S/Su	
	ENGL 3120	Grant & Technical Writing		S	ENGL 2010
Mechanical Engineering Requirements (16 credits)	CHEM 1210/15	Principles of Chemistry	4/1	F/S/Su	MATH 1050 or higher, ACT 26
	ENGR 2000	Statics & Strength of Materials for CM	3	F	MATH 1050 & 1060
	ENGR 2170	Programming for Engineers	3	F/S/Su	MATH 1210
	ME 2130	Manufacturing	2	S	
	ME 3100	Materials Science	3	F	CHEM 1210/15, MATH 1210
Electrical Engineering Technology Requirements (21 credits)	EET 1700	Circuit Analysis I	3	F	MATH 1050
	EET 1730	Electronic Devices I	3	F	EET 2700
	EET 2700	Circuit Analysis II	3	S	EET 1700 & MATH 1100 or 1210
	EET 2710	Electronic Devices II	3	S	EET 1730
	EET 2750	PC Hardware	3	F/S/Su	
	EET 2780	Digital Electronics I	3	F/Su	MATH 1050 or higher
	EET 3760	Electronic Design & Fabrication	3	F	EET 2700 & 2710 (repeatable x2)
Free Electives (16-25 credits)					
Recommended Electives	CCET 3630	Fundamentals of CATIA	3	F	CCET 2620 or CCET 3690 or ENGR 1030
	CCET 3680	CNC Design	3	S	CCET 2690 & MATH 1060
	CCET 3690	Advanced Design - Unigraphics NX	3	S	CCET 2620 or ENGR 1030
	CCET 4610	Advanced Design and Solid Modeling	3	S	CCET 1040 or CCET 2620 or CCET 3630 or
	EET 2760	Industrial Control Systems	3	S	
	EET 3080	Digital Electronics II	3	S/Su	EET 2780
	EET 3780	Applications of Microprocessors	3	F	EET 2780
	EET 3790	Computer Interfacing	3	S	EET 2780
	ME 3320/25	Mechatronics/Lab	3/1	S	ME 2030

Free Electives to total 120 credits and 40 Upper Division credits (28 more UD needed)

* As needed

** Can be concurrent