

## B.S. in Engineering Technology CAD/CAM Emphasis (CCET) 2021-22

	Course	Title	Cr.	When	Prerequisites
	Quantitative Lit.	MATH 1050 - College Algebra	4	F/S/SU	MATH 1010 or ALEKS 50
	Quantitative Lit.	MATH 1060- Trigonometry	3	F/S/SU	MATH 1010 or ALEKS 50
Other GE courses are required to graduate with a Bachelor's Degree from SUU.					
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Engineering Technology Core Requirements	CCET 4610	Advanced Solid Modeling	3	S	CCET 1040 & CCET 2620 or 3630
	CCET 4960	Senior Project	3	S	Senior standing
	EET 1600	Robotics and Automation I	3	F	
	ENGR 1010	Engineering in the 21st Century	3	F/S	
	ENGR 1030	Computer-Aided Design - SolidWorks	3	F/S/Su	
	PHYS 2020/15	College Physics I/Lab	4/1	F/Su	MATH 1060 or ALEKS 75
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
CAD Courses	CCET 1010	Intro to Engineering & Tech Design	3	F/S	
	CCET 1030	Intro to CAD/CAM 3D Design	3	F/S	
	CCET 1040	Intro to Residential Arch - AutoCAD	3	F/S	
	CCET 2620	3-D Design	3	F	
	CCET 2650	Mechanical Blueprint Reading	2	F	CCET 1010
	CCET 2690	Fundamentals of Manufacturing	3	F	CCET 1030 or CCET 2620 or ENGR 1030
	CCET 3610	Architectural Design	3	F	CCET 1010 & CCET 1040
	CCET 3630	Fundamentals of CATIA	3	F	CCET 1040
	CCET 3670	Civil Design	3	S	CCET 1010 or CCET 1040
	CCET 3680	CNC Design	3	S	CCET 2690 & MATH 1060
	CCET 3690	Advanced Design - Unigraphics NX	3	S	ENGR 1030 & CCET 2620 or ccet 3630
	CCET 4600	Engineering Design	3	S	CCET 1040 & 2620 or CCET 3630
	CCET 4690	CNC Software & Applications	3	F	CCET 3680
CCET 4790	Computer Integrated Manufacturing (CIM)	3	S	CCET 2690, 3680 & 4690	
ENGR 2000	Statics & Strength of Materials for CM	3	F	MATH 1050 & 1060	

7 of which must be Upper Division to total 40 UD credits