

# B.S./B.A. in Engineering Technology CAD/CAM Emphasis (CCET) 2020-21

	Course	Title	Cr.	Sched.	Prerequisites
CCET GE Courses	Quantitative Lit.	MATH 1050 - College Algebra	4	F/S/Su	MATH 1010 or ACT 23+
		MATH 1060 - Trigonometry	3	F/S/Su	MATH 1010
	PS GE	PHYS 2010/2015 - College Physics/Lab	4/1	F/Su	MATH 1060 or higher
Other GE Courses are required to graduate with a Bachelor's Degree from SUU. The above-listed courses count for both GE and major requirements.					
Engr Tech Core	CCET 4610	Advanced Solid Modeling	3	S	CCET 1040 & 2620 or 3630
	CCET 4960	Senior Project	3	S	Senior Status
	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	
Select one	MATH 1100 or MATH 1210	Applied Calculus or Calculus	3 4	S/Su F/S/Su	MATH 1050 MATH 1050 & 1060
Select one	COMM 4240 ENGL 3120	Technical Writing Grant and Technical Writing	3 3	F/S/Su S	None ENGL 2010
CAD/CAM Core	CCET 1010	Intro to Engineering & Technical Design	3	F/S	
	CCET 1030	Intro to CAD/CAM 3D Design	3	F/S	
	CCET 1040	Intro to Residential Arch using 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 2620 or ENGR 1030
	CCET 3610	Architectural Design	3	F	CCET 1010 & 1040
	CCET 3630	Fundamentals of CATIA	3	F	CCET 1040
	CCET 3670	Civil Design	3	S	CCET 1010 or 1040
	CCET 3680	CNC Design	3	S	CCET 2690 & MATH 1060
	CCET 3690	Advanced Design - Unigraphics NX	3	S-even (S)	ENGR 1030 & CCET 2620 or 3630
	CCET 4600	Engineering Design	3	S	CCET 1040 & 2620 or 3630
	CCET 4690	CNC Software & Applications	3	F	CCET 3680
	CCET 4790	Computer Integrated Manufacturing	3	S	CCET 2690, 3680, 4690
	ENGR 2000	Statics and Strength of Materials for CM	3	F	MATH 1050 & 1060
<b>Free Electives to total 120 credits and 40 Upper Division credits (7 more UD needed)</b>					