

## Bachelor of Science in Engineering Technology: CAD-CAM emphasis Worksheet & Pre-Requisites 2016-17

Course #	Course title	CR	Off'd	Pre-reqs
<b>ET CORE *see also GEN ED</b>				
CCET 4960	Senior Project	3	S	Sr Standing in CAD-CAM Major
ENGR 2170	Programming for Engineers	3	F	C or better in MATH 1210
MATH 1210 or MATH 1100	Calculus I or Applied Calculus	4/3	F/S/Su	MATH 1050 & 1060/MATH 1050
<del>MATH 1220</del> —No longer required	<del>Calculus II</del>	<del>4</del>	<del>F/S</del>	<del>C or better in MATH 1210</del>
PHYS 2010	College Physics	4	F	MATH 1060
PHYS 2015	College Physics Lab	1	F	Co Req PHYS 2010
COMM 4240	Technical Writing	3	F/S/Su	
CCET 4610	Advanced Solid Modeling	3	S	CCET 1040 & CCET 2620 or 3630
ENGR 1030	Computer-Assisted Design SolidWorks	3	F/S	
<b>CCET Composite</b>				
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	3D Design	3	F	CCET 1040
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-odd	CCET 1010 & CCET1040
CCET 3680	CNC Design	3	S	CCET 2690 & MATH 1060
CCET 3690	Advanced Design Using Unigraphics NX	3	S-even	ENGR 1030 or 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 (CIM)	3	S	CCET 2690, 3680 & 4690
EET 3760	Electronic Design & Fabrication	3	F	
ENGR 2010	Statics	3	F	ENGR 1010, MATH 1210
ENGR 2140	Strength of Materials	3	S	ENGR 1030 & 2010 & MATH 1210
ENGR 2145	Strength of Materials Lab	1	S	Co Req ENGR 2140
Can now sub ENGR 2000 for the ENGR 2010, 2140/2145		3	F	MATH 1050 & 1060
<b>Upper Division Electives to total 40</b>		<b>2</b>		
<b>Free Electives to total 122</b>				
<b>Required Pre Requisite: MATH 1060</b>	Trigonometry	3	F/S/Su	MATH ACT =23 or higher / MATH 1010
<b>University EDGE Requirement</b>				
EDGE 1010	Becoming an Engaged Learner	1	F/S/Su	
EDGE 30XX	Project Proposal and Planning	1	F/S/Su	EDGE 1010
EDGE 40XX	Project Reporting and Reflection	1	F/S/Su	EDGE 30XX
<b>GENERAL EDUCATION</b>				
ENGL 1010	Intro to Academic Writing	3	F/S/Su	ACT of 17 or higher
ENGL 2010	Intermediate Writing	3	F/S/Su	ENGL 1010 or ACT of 29 or higher
MATH 1050	College Algebra	4	F/S/Su	MATH ACT =23 or higher / MATH 1010
LM 1010	Information Literacy	1	F/S/Su	
American Institution		3	F/S/Su	
CSIS 1000	Intro to Computer Apps & Internet	3	F/S/Su	
FINE ARTS:		3	F/S/Su	
<b>*HUMANITIES: HSS 1130</b>	<b>Introduction to Diversity</b>	3	F/S/Su	
SOCIAL SCIENCE		3	F/S/Su	
LIFE SCIENCE		3/4	F/S/Su	
<b>*PHYS. SCI.: PHYS 2010/15</b>	<b>College Physics &amp; lab</b>	4/1	F	MATH 1060
				<b>(38 UD in major with EDGE)</b>