

Bachelor of Science in Engineering Technology: CAD-CAM emphasis Worksheet & Pre-Requisites 2012-13

Course #	Course title	CR	Off'd	Pre-reqs
ET CORE *see also GEN ED				
CCET 4960	Capstone Project for CAD/CAM	3	S	Instructor Permission Required
CSIS 1040	Intro to Programming w/ MatLab	3	S	MATH 1010 or ACT of 23
ENGR 1030	Computer Assisted Drafting	3	F/S	
CCET 4610	Advanced Solid Modeling	3	S	CCET 1040; CCET 2620 or 3630
CCET Composite				
CCET 1010	Engineering Technology Graphics	3	F/S	
CCET 1030	Intro to CAD 3-D	3	F/S	
CCET 1040	Computer Aided Design	3	F/S	
CCET 2620	3D Design	3	F	CCET 1040
CCET 2650	Mechanical Blueprint Reading	2	F	CCET 1010
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, 1040
CCET 3680	CNC Design	3	F	MATH 1060 preferred
CCET 4600	Engineering Design	3	S	CCET 1040; 2620 or 3630
CCET 4690	CNC Software & Applications	3	S	CCET 3680
EET 3760	Electronic Design & Fabrication	3	S	
ENGR 2010	Statics	3	F	PHYS 2010, MATH 1210 Advisor sign in
ENGR 2140/45	Strength of Materials & lab	3	S	ENGR 2010/ENGL 2010
CCET Electives (9 hrs. from the courses listed below)				
CM 3650	Residential Drafting	3	S	CCET 3610
ENGR 2240/45	Surveying & Global Positioning/lab	2/1	F	MATH 1060 co: ENGR2245
GEOG 3500/3505	Intro to Cartography/lab	3/1	F-odd	Co: GEOG 3505
Upper Division free electives to total 120 credits & 40 Upper Division				
		13		
UNIV 1010	Introduction to Experiential Education	1	F/S/M	
UNIV 3925	EER Proposal	1	F/S/M	
UNIV 4925	Synthesis and Reflection	1	F/S/M	
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3		
ENGL 2010	Intermediate Writing	3		
*MATH 1210	Calculus I	4	F/S/M	MATH 1050 & 1060
LM 1010	Information Literacy	1		
American Institution		3		
CSIS 1000	Intro to Computer Apps & Internet	3		
FINE ARTS:		3		
*HUMANITIES: COMM 1010	Introduction to Communication	3	F/S/M	
SOCIAL SCIENCE		3		
LIFE SCIENCE		3/4		
*PHYS. SCL.: PHYS 2010/15	College Physics & lab	4/1	F	MATH 1060