

ABET Accredited
BS in Engineering Technology: CAD/CAM=Architecture/Civil Design emphasis
Worksheet & Pre-Requisites 2013-14

Course #	Course title	CR	Off'd	Pre-reqs
ET CORE *see also GEN ED				
HSS 1120	Introduction to Diversity	3	F/S	
MATH 1210	Calculus I	4	F/S/M	C or better in MATH 1050 & 1060
PHYS 2010/15	College Physics & lab	4/1	F	MATH 1060
CAD/CAM-Arch/Civil Design				
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 2240	Plane Surveying & GPS	2	F	MATH 1060
CCET 2245	Plane Surveying & GPS Lab	1	F	Co Req CCET 2240
CCET 2620	3D Design	3	F	CCET 1040
CCET 2650	Mechanical Blueprint Reading	2	F	CCET 1010
CCET 3240	Advanced Surveying	2	S	CCET 2240/45
CCET 3245	Advanced Surveying Lab	1	S	Co Req CCET 3240
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 4610	Advanced Solid Modeling	3	S	CCET 1040; CCET 2620 or 3630
CCET 4690	CNC Software & Applications	3	S	CCET 3680
CCET 4960	Capstone Project for CAD/CAM	3	S	Senior standing in CAD-Arch major
CM 3240	Estimating & Bidding	3	S	CSIS 1000
CM 3270	Building Codes	3	F	
CM 3650	Residential Drafting	3	S	CCET 3610
CM 3880	Scheduling & Ethics	3	S	CCET Advisor must do override
COMM 4240	Technical Writing	3	F/S	
CSIS 1040	Intro to Programming w/ MatLab	3	S	MATH 1010 or ACT of 23
EET 3760	Electronic Design & Fabrication	3	F	
ENGR 1030	Comp Astd Design Using SolidWorks	3	F/S	
ENGR 2010	Statics	3	F	PHYS 2010, MATH 1210 Advisor sign in
ENGR 2140/45	Strength of Materials & lab	3/1	S	ENGR 2010/, ENGL 2010
MATH 1220	Calculus II	4	F/S	C or better in MATH 1210
Free Electives to total 120				
Required Pre Requisite: MATH 1060				
	Trigonometry	3	F/S/M	MATH ACT =23 or higher / MATH 1010
University EDGE Requirement				
UNIV 1010	Introduction to Experiential Education	1	F/S/M	
UNIV 3925	EER Proposal	1	F/S/M	UNIV 1010
UNIV 4925	Synthesis and Reflection	1	F/S/M	UNIV 3925
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3	F/S/M	ACT of 17 or higher
ENGL 2010	Intermediate Writing	3	F/S/M	ENGL 1010 or ACT of 29 or higher
MATH 1050	College Algebra	4	F/S/M	MATH ACT =23 or higher / MATH 1010
LM 1010	Information Literacy	1	F/S/M	
American Institution		3	F/S/M	
CSIS 1000	Intro to Computer Apps & Internet	3	F/S/M	
FINE ARTS:		3	F/S/M	
*HUMANITIES: HSS 1130	Introduction to Diversity	3	F/S/M	
SOCIAL SCIENCE		3	F/S/M	
LIFE SCIENCE		3/4	F/S/M	
*PHYS. SCI.: PHYS 2010/15	College Physics & lab	4/1	F	MATH 1060
	TOTAL	120		(47 Upper Division in major)