

ABET Accredited
BS in Engineering Technology: CAD/CAM-Architecture/Civil Design emphasis
Worksheet & Pre-Requisites 2014-15

Course #	Course title	CR	Off'd	Pre-reqs
ET CORE *see also GEN ED				
CCET 4960	Senior Project	3	S	Sr Standing in CAD-CAM Major
CSIS 1040	Intro to Programming with MatLab	3	S	MATH 1010 or ACT of 23
MATH 1210	Calculus I	4	F/S/M	C or better in MATH 1050 & 1060
MATH 1220	Calculus II	4	F/S	C or better in MATH 1210
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	
CCET 4610	Advanced Solid Modeling	3	S	CCET 1040; CCET 2620 or 3630
ENGR 1030	Computer Assisted Design	3	F/S	
CCET Composite				
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 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	F	
ENGR 2010	Statics	3	F	PHYS 2010, MATH 1210 Advisor sign in
ENGR 2140	Strength of Materials	3	S	ENGR 2010/ENGL 2010
ENGR 2145	Strength of Materials Lab	1	S	Co Req ENGR 2140
Arch/Civil Design Emphasis				
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
CCET 2240	Plane Surveying & GPS	2	F	MATH 1060
CCET 2245	Plane Surveying & GPS Lab	1	F	Co-Req CCET 2240
CCET 3240	Advanced Surveying	2	S	CCET 2240/2245
CCET 3245	Advanced Surveying Lab	1	S	Co-Req CCET 3245
Required Pre Requisite: MATH 1060				
	Trigonometry	3	F/S/M	MATH ACT =23 or higher / MATH 1010
EDGE Requirement				
UNIV 1010	EDGE Program Introduction	1	F/S/M	
UNIV 3925	EDGE Project Proposal	1	F/S/M	UNIV 1010
UNIV 4925 or UNIV 4930	EDGE Program Completion/Select Track	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)