

**Bachelor of Science in Engineering Technology: CAD-CAM – Architecture emphasis
Worksheet & Pre-Requisites 2011-12**

Course #	Course title	Cr	Offered	Pre-requisites
CORE *see also GEN ED				
CCET 4960	Capstone Project	3	S	Instructor Permission Required
CSIS 1040	Intro to Programming with 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/CAM 3D Design	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 & Instr perm
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 recm'd
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
ENGR 2140/45	Strength of Materials & lab	3	S	ENGR 2010
Arch/CD Emphasis courses				
CM 3270	Building Codes	3	F	
CM 3650	Residential Drafting	3	S	CCET 3610
CM 3240	Estimating and Bidding	3	S	CSIS 1000 or permission take after other CM classes
CM 3880	Scheduling & Cost Control	3	S	
ENGR 2240/45	Surveying & Global Positioning/lab	2/1	F	MATH 1060 & co req
ENGR 3240/3245	Advanced Surveying & lab	2/1	S	ENGR 2240/45 & co req
Electives to total 120 credits & 40 Upper Division				
UNIV 1010	Introduction to Experiential Education	1		
UNIV 3924	EER Proposal	1		
UNIV 4925	Synthesis and Reflection	1		
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3		
ENGL 2010	Intermediate Writing	3		
*MATH 1210	Calculus I	4		MATH 1050 & 1060
LM 1010	Information Literacy	1		
UNIV 1000	First-Year Seminar	1		
American Institution		3		
CSIS 1000	Intro to Computer Applications & Internet	3		
FINE ARTS:		3		
*HUMANITIES: COMM 1010	Essentials of Communication	3		
SOCIAL SCIENCE		3		
LIFE SCIENCE		3		
*PHYS. SCI.: PHYS 2010/15	College Physics I & lab	5		MATH 1060