

Bachelor of Science in Engineering Technology: CAD-GIS emphasis
Worksheet & Pre-Requisites 11-12

Course #	Course title	cr	Offered	Pre -requisites	taken
CORE *see also GEN ED					
CCET 4960 [or GEOG 4500]	Capstone Project [or GIS Research Project]	3	S	Instructor Permission	
CSIS 1400 or GEOG 2920	Fundamentals of Programming	3	F/S	ACT 23 or MATH 1010	
ENGR 1030	Computer Aided Drafting	3	S		
GEOG 3110/3115	Intro to Remote Sensing	3/1	S odd		
CAD/GIS Composite					
CCET 1010	Engineering Technology Graphics	3	F/S		
CCET 1040	Computer Aided Design	3	F/S		
CCET 3630 or GEOG 3110	Fundamentals of CATIA (Remote Sensing)	3	F	CCET 1040 or permission	
CCET 3670	Civil Design	3	S	CCET 1010 & 1040	
EET 2750	PC Hardware	3	F/S		
ENGR 2010	Statics	3	F	ENGR 1010, Math 1210 & PHYS 2010	
ENGR 2240/45	Surveying & Global Positioning/lab	2/1	F	MATH 1060 & co req	
GEOG 2900	GPS Theory, Techniques & Methods	2	S	Instructor Permission	
GEOG 3500/05	Intro to Cartography/lab	3/1	F-odd	Co reqs	
GEOG 3550/55	Principles of GIS/lab	3/2	F	Co reqs	
GEOG 4150	Advanced GIS Analysis Methods	3	S	GEOG 3550	
Electives (3 hrs. from the below)					
TECH 4893	Technology Internship	3	F/S	Approval of Faculty	
GEOG 4893	GIS Internship	3	F/S	Approval of Faculty	
GEOG 3993	Undergraduate Research in Geography/GIS	3	Varies	Approval of Faculty	
Free electives (need to complete 40 upper div credits)		23 total			
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			
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			
INTERDISCIPLINARY		3			
*HUMANITIES: COMM 1010	Essentials of Communication	3			
SOCIAL SCIENCE		3			
LIFE SCIENCE		3/4			
*PHYS. SCI.: PHYS 2010/15	College Physics I & lab	4/1		MATH 1060	