



A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

Course Subject and Title	Cr.	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requisite
Semester One						
GE Objective 1: ENGL 1101 Writing and Rhetoric I	3	C-	GE	F, S, Su	Appropriate placement score	
MATH 1143: Precalculus I: Algebra	3	C-		F, S, Su		
CET 1111: Beginning CAD	3	C-		F, S	Minimum score of ALEKS 30 or equivalent	
CET 1112: Beginning Survey	3	C-		F, S		MATH 1143
CET 1115A: Materials Testing I OR CET 1113: Civil and Geomatics Engineering Technology I	2-4	C-		F, S		
Total	14-16					
Semester Two						
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	C-	GE	F, S		
MATH 1144: Precalculus II: Trigonometry	2	C-		F, S, Su	MATH 1143	
CET 1121: Civil 3D Drafting	3	C-		F, S	CET 1111	
CET 1122: Intermediate Surveying and Spatial Analysis	3	C-		F, S	CET 1112	
CET 1125A: Materials Testing II OR CET 1123: Civil and Geomatics Engineering Technology II	2-4	C-		S	CET 1115A	
Total	13-15					
Semester Three						
GE Objective 5: PHYS 1101/L Elements of Physics and lab	4	C-	GE	F, S		PHYS 1101/L
CET 2216: Route Survey and GPS Fundamentals	3	C-		F, S	CET 1121, 1122	
CET 2228: Principles of GIS	3	C-		F, S	CET 1122	
CET 2232: Plan Reading and Worksite Safety	3	C-		F, S		
None OR CET 2215: Materials Theory	0-3	C-		F, S		
Total	13-16					
Semester Four						
GE Objective 3: MATH 1153 Statistical Reasoning	3	C-	GE	F, S, Su		
GE Objective 6: Any	3	C-	GE	F, S, Su		
CET 2226: Construction Surveying	3	C-		F, S	CET 2216	
CET 2243: Public Works	3	C-		F, S	MATH 1143, 1144	
CET 2250: Unmanned Aerial Systems/Imagery Analysis	3	C-		F, S	CET 1112	
CET 2251: Introduction to Legal Descriptions	1	C-		F, S		
GEMT 3312: Public Land Surveying	3	C-		F, S	MATH 1143, MATH 144, CET 1122	
Total	19					
*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major **See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)						

2024-2025 Major Requirements		CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,5,6	16 cr. min
MAJOR REQUIREMENTS	46-47		1. Written English (6 cr. min) ENGL 1101	3
CET 1111: Beginning CAD	3			
CET 1112: Beginning Survey	3		2. Spoken English (3 cr. min) COMM 1101	3
CET 1121: Civil 3D Drafting	3		3. Mathematics (3 cr. min) MATH 1153	3
CET 1122: Intermediate Surveying and Spatial Analysis	3		4. Humanities, Fine Arts, Foreign Lang.	
CET 2216: Route Survey and GPS Fundamentals	3			
CET 2226: Construction Surveying	3			
CET 2228: Principles of GIS	3		5. Natural Sciences (1 lecture, 1 lab; 4 cr. min)	
CET 2232: Plan Reading and Worksite Safety	3		PHYS 1101	3
CET 2243: Public Works	3			
CET 2250: Unmanned Aerial Systems/Imagery Analysis	3			
CET 2251: Introduction to Legal Descriptions	1		6. Behavioral and Social Science (1 course; 3 cr. min)	
GEMT 3312: Public Land Surveying	3		Any	3
Complete the following three courses:	7-8		One Course from EITHER Objective 7 OR 8	
CET 1113: Civil and Geomatics Engineering Technology I	2		7. Critical Thinking	
CET 1123: Civil and Geomatics Engineering Technology II	2		8. Information Literacy	
CET 2215: Materials Theory	3		9. Cultural Diversity	
OR the following three courses:				
CET 1115A: Materials Testing I	4		General Education Elective to reach 36 cr. min. (if necessary)	
CET 1125A: Materials Testing II	4			
			Total GE	15
			Undergraduate Catalog and GE Objectives by Catalog Year	
Complete the following two courses:	5			
MATH 1143: Precalculus I: Algebra	3			
MATH 1144: Precalculus II: Trigonometry	2			
OR complete the following course:				
MATH 1147: Precalculus	5			
			MAP Credit Summary	CR
			Major	46-47
MATH 1153: Statistical Reasoning (counted as GE Obj 3)			General Education	15
PHYS 1101/L: Elements of Physics and lab (counted as GE Obj 5)			Upper Division Free Electives to reach 36 credits	0
			Free Electives to reach 120 credits	0
			TOTAL	61-62
			Graduation Requirement Minimum Credit Checklist	Confirmed
			Minimum 36 cr. General Education Objectives (15 cr. AAS)	X
			Minimum 15 cr. Upper Division in Major (0 cr. Associate)	
			Minimum 36 cr. Upper Division Overall (0 cr. Associate)	
			Minimum of 120 cr. Total (60 cr. Associate)	X
Advising Notes			MAP Completion Status (for internal use only)	
			Date	
			CAA or COT:	EA 06/18/24
			Complete College American Momentum Year	
			Math and English course in first year-Specific GE MATH course identified	
			9 credits in the Major area in first year	
			15 credits each semester (or 30 in academic year)	
			Milestone courses	