

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						
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	4	C-		F		
OR CET 1113: Civil and Geomatics Engineering Technology I	2			F, S		
Total	11-13					
Semester Two						
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	4	C-		S	CET 1115A	
OR CET 1123: Civil and Geomatics Engineering Technology II	2			F, S	CET 1113	
Total	10-12					
Semester Three						
GE Objective 1: ENGL 1101 Writing and Rhetoric I OR ENGL 1102 Writing and Rhetoric II	3-4	C-	GE	F, S, Su	Placement Score	
CET 2216: Route Survey and GPS Fundamentals	3	C-		F, S	CET 1121, 1122	
CET 2232: Plan Reading and Worksite Safety	3	C-		F, S		
CET 2228: Principles of GIS	3	C-		F, S	CET 1122	
None	3	C-		F, S		
OR CET 2215: Materials Theory						
Total	15-16					
Semester Four						
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	C-	GE	F, S		
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 1144, CET 1122	
Total	16					

*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	6 cr. min
MAJOR REQUIREMENTS	46-47		1. Written English (6 cr. min) ENGL 1101 OR ENGL 1102	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)	
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	
CET 2232: Plan Reading and Worksite Safety	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	
GEMT 3312: Public Land Surveying	3			
Complete either these three courses:	7-8		One Course from EITHER Objective 7 OR 8	
CET 1115A: Materials Testing I	4		7. Critical Thinking	
CET 1125A: Materials Testing II	4		8. Information Literacy	
			9. Cultural Diversity	
OR these three courses:				
CET 1113: Civil and Geomatics Engineering Technology I	2		General Education Elective to reach 36 cr. min. (if necessary)	
CET 1123: Civil and Geomatics Engineering Technology II	2			
CET 2215: Materials Theory	3		Total GE	6
			Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
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
			General Education	6
			Upper Division Free Electives to reach 36 credits	0
			Free Electives to reach 120 credits	0
			TOTAL	52-53
			Graduation Requirement Minimum Credit Checklist	Confirmed
			Minimum 36 cr. General Education Objectives (15 cr. AAS)	
			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)	
Advising Notes			MAP Completion Status (for internal use only)	
				<i>Date</i>
			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	