



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						
CET 1112: Beginning Surveying	3	C-		F, S	Minimum score of ALEKS 30 or equivalent	MATH 1143
GEMT 3310: Boundary Control and Legal Principles	3	C-		F, S	MATH 1143, 1144, CET 1122	
Total	6					
Semester Two						
CET 1122: Intermediate Surveying and Spatial Analysis	3	C-		F, S	CET 1112	
GEMT 3312: Public Land Surveying OR GEMT 3314: Research and Evidence in Surveying	3	C-		F, S	MATH 1143, 1144, CET 1122	
Total	6					
Semester Three						
CET 2216: Route Survey and GPS Fundamentals	3	C-		F, S	CET 1121, 1122	
GEMT 4430: GPS Principles and Applications	3	C-		F	MATH 1143, 1144, CET 1122	
Total	6					
Semester Four						
GEMT 4411: Geodesy	3	C-		S	MATH 1143, 1144, CET 1122	
Program elective (if needed)	1-3	C-			Program coordinator approval	
Total	4-6					
Semester Five						
Program elective (if needed)	1-3	C-			Program coordinator approval	
Program elective (if needed)	1-3	C-			Program coordinator approval	
Total	2-6					

*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 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
MAJOR REQUIREMENTS	21-30	1. Written English	
Previous Bachelor's degree in a related field			
CET 1112: Beginning Surveying	3	2. Spoken English	
CET 1122: Intermediate Surveying and Spatial Analysis	3	3. Mathematics	
CET 2216: Route Survey and GPS Fundamentals	3	4. Humanities, Fine Arts, Foreign Lang.	
GEMT 3310: Boundary Control and Legal Principles	3		
GEMT 3312: Public Land Surveying OR	3	5. Natural Sciences	
GEMT 3314: Research and Evidence in Surveying			
GEMT 4411: Geodesy	3		
GEMT 4430: GPS Principles and Applications	3		
		6. Behavioral and Social Science	
OTHER AVAILABLE ELECTIVES	0-9		
GEMT 3311: Advanced Surveying	3		
GEMT 3314: Research and Evidence in Surveying	3	One Course from EITHER Objective 7 OR 8	
GEMT 3315: Surveying Adjustments	3	7. Critical Thinking	
GEMT 3317: Subdivision Planning and Platting	2	8. Information Literacy	
GEMT 3319: Writing Legal Descriptions	1	9. Cultural Diversity	
GEMT 4425: Principles of Cartography	3		
GEMT 4432: Principles of Photogrammetry	3	General Education Elective to reach 36 cr. min. (if necessary)	
		Total GE	0
		Undergraduate Catalog and GE Objectives by Catalog Year	
		http://coursecat.isu.edu/undergraduate/programs/	
		MAP Credit Summary	CR
		Major	21-30
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	21-30
		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)	
A previous Bachelor's degree in a related field is required.			<i>Date</i>
The number of elective credits required is dependent upon the PLS			
requirements of the desired state license.		<i>CAA or COT:</i>	EA 6/18/2024
		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	