



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
<b>Semester One</b>						
CET 1112: Beginning Surveying	3	C-		F, S	Minimum score of ALEKS 30 or equivalent, MATH 1143	MATH 1143
GEMT 3310: Boundary Control and Legal Principles	3	C-		F, S	MATH 1143, 1144, CET 1122	
Total	6					
<b>Semester Two</b>						
CET 1122: Intermediate Surveying and Spatial Analysis	3	C-		F, S	CET 1112, MATH 1144	MATH 1144
GEMT 3312: Public Land Surveying <b>OR</b> GEMT 3314: Research and Evidence in Surveying	3	C-		F, S	MATH 1143, 1144, CET 1122	
Total	6					
<b>Semester Three</b>						
CET 2216: Route Survey and GPS Fundamentals	3	C-		F, S	CET 1121, 1122, MATH 1144	
GEMT 4430: GPS Principles and Applications	3	C-		F	MATH 1143, 1144, CET 1122	
Total	6					
<b>Semester Four</b>						
GEMT 4411: Geodesy	3	C-		S	MATH 1143, 1144, CET 1122	
Program elective (if needed)	1-3	C-			Program coordinator approval	
Total	3-6					
<b>Semester Five</b>						
Program elective (if needed)	1-3	C-			Program coordinator approval	
Program elective (if needed)	1-3	C-			Program coordinator approval	
Total	0-6					

\*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.)

2025-2026 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
<b>MAJOR REQUIREMENTS</b>	<b>21-30</b>	1. Written English	
Previous Bachelor's degree in a related field			
		2. Spoken English	
CET 1112: Beginning Surveying	3	3. Mathematics	
CET 1122: Intermediate Surveying and Spatial Analysis	3	4. Humanities, Fine Arts, Foreign Lang.	
CET 2216: Route Survey and GPS Fundamentals	3		
GEMT 3310: Boundary Control and Legal Principles	3		
GEMT 3312: Public Land Surveying <b>OR</b>	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	
<b>OTHER AVAILABLE ELECTIVES</b>	<b>0-9</b>		
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 4400: Essentials of Surveying	2		
GEMT 4425: Principles of Cartography	3	General Education Elective to reach 36 cr. min. (if necessary)	
GEMT 4432: Principles of Photogrammetry	3		
		<b>Total GE</b>	<b>0</b>
		Undergraduate Catalog and GE Objectives by <a href="http://coursecat.isu.edu/undergraduate/programs/">Catalog Year</a> <a href="http://coursecat.isu.edu/undergraduate/programs/">http://coursecat.isu.edu/undergraduate/programs/</a>	
		<b>MAP Credit Summary</b>	<b>CR</b>
		Major	21-30
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		<b>TOTAL</b>	<b>21-30</b>
		<b>Graduation Requirement Minimum Credit Checklist</b>	<b>Confirmed</b>
		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)	
<b>Advising Notes</b>		<b>MAP Completion Status (for internal use only)</b>	
A previous Bachelor's degree in a related field is required.		Date	
The number of elective credits required is dependent upon the PLS requirements of the desired state license.			
		CAA or COT:	GR 06/27/2025
		<b>Complete College American Momentum Year</b>	
		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)	
		<b>Milestone</b> courses	