



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	Credits	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requisite
Semester One						
GE Objective 1: ENGL 1101 Writing and Rhetoric I	3	D-	GE	F, S, Su	Appropriate placement score	
CET 1111: Beginning CAD	3	C-		F, S	Minimum score of ALEKS 30 or equivalent	
CET 1112: Beginning Surveying OR CE 3301: Surveying	3	C-		F, S F, S	MATH 1143 CE 2210 or ME 2210	MATH 1143
^c CET 1115A: Materials Testing I OR CET 1113: Civil and Geomatics Engineering Technology I	4 2	C-		F F, S	Minimum score of ALEKS 30 or equivalent	
^y MATH 1143: Precalculus I: Algebra	3	D-		F, S, Su	Appropriate placement score	
Total	14-16					
Semester Two						
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	D-	GE	F, S		
CET 1121: Civil 3D Drafting	3	C-		F, S	CET 1111	
CET 1122: Intermediate Surveying and Spatial Analysis	3	C-		F, S	CET 1112, MATH 1144	MATH 1144
^c CET 1125A: Materials Testing II OR CET 1123: Civil and Geomatics Engineering Technology II	4 2	C-		S F, S	CET 1115A	
^y MATH 1144: Precalculus II: Trigonometry	2	C-		F, S, Su	MATH 1143 or appropriate placement score	
Total	13-15					
Semester Three						
GE Objective 5: PHYS 1101/L Elements of Physics and Lab	4	D-	GE	F, S		MATH 1108 or equivalent
CET 2216: Route Survey and GPS Fundamentals	3	C-		F, S	CET 1121, 1122, MATH 1144	
CET 2228: Principles of GIS	3	C-		F, S	CET 1122 or instructor approval	
CET 2232: Plan Reading and Worksite Safety	3	C-		F, S		
^e None OR CET 2215: Materials Theory	0 3	C-		F, S	MATH 1143, 1144	MATH 1144
Total	13-16					
Semester Four						
GE Objective 3: MATH 1153 Statistical Reasoning	3	D-	GE	F, S, Su	Appropriate placement score	
GE Objective 6: Any	3	D-	GE			
CET 2220: Statics and Strength of Materials	3	C-		S	MATH 1144 or 1147	
CET 2226: Construction Surveying	3	C-		F, S	CET 1122, MATH 1144	
CET 2243: Public Works	3	C-		F, S	MATH 1143, 1144	MATH 1144
CET 2251: Introduction to Legal Descriptions	1	C-		F, S		
GEMT 3313: Surveying Software Applications	3	C-		S, D	MATH 1143, 1144, 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.)

2025-2026 Major Requirements		CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	15 cr. min
MAJOR REQUIREMENTS	46-47		1. Written English ENGL 1101	3
CET 1111: Beginning CAD	3			
CET 1112: Beginning Surveying OR CE 3301: Surveying	3		2. Spoken English COMM 1101	3
			3. Mathematics MATH 1153	3
CET 1121: Civil 3D Drafting	3		4. Humanities, Fine Arts, Foreign Lang.	
CET 1122: Intermediate Surveying and Spatial Analysis	3			
CET 2216: Route Survey and GPS Fundamentals	3			
CET 2220: Statics and Strength of Materials	3		5. Natural Sciences	
CET 2226: Construction Surveying	3		PHYS 1101: Elements of Physics	3
CET 2228: Principles of GIS	3		PHYS 1101L: Elements of Physics Laboratory	1
CET 2232: Plan Reading and Worksite Safety	3			
CET 2243: Public Works	3		6. Behavioral and Social Science	
CET 2251: Introduction to Legal Descriptions	1		Any	3
GEMT 3313: Surveying Software Applications	3			
			One Course from EITHER Objective 7 OR 8	
*Complete either the following two courses:	7-8		7. Critical Thinking	
CET 1115A: Materials Testing I	4		8. Information Literacy	
CET 1125A: Materials Testing II	4		9. Cultural Diversity	
Or complete the following three courses:				
CET 1113: Civil and Geomatics Engineering Technology I	2		General Education Elective to reach 36 cr. min.	
CET 1123: Civil and Geomatics Engineering Technology II	2			
CET 2215: Materials Theory	3		Total GE	16
			Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
*Complete either 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 in GE Obj. 3)			General Education	16
PHYS 1101/L: Elements of Physics and Lab (counted in GE Obj. 5)			Upper Division Free Electives to reach 36 credits	0
			Free Electives to reach 120 credits	0
			TOTAL	62-63
			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)	X
			Minimum 36 cr. Upper Division Overall (0 cr. Associate)	X
			Minimum of 120 cr. Total (60 cr. Associate)	X
Advising Notes			MAP Completion Status (for internal use only)	
			Date	
			CAA or COT:	GR 06/25/2025
			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	