

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						
CET 1111: Beginning CAD	3	C-		F, S	Minimum score of ALEKS 30 or equivalent	
CET 1112: Beginning Surveying AND CET 1112L: Beginning Surveying Laboratory OR CE 3301: Surveying	2 1 3	C-		F, S F, D	MATH 1143 or 1147 or 1170 MATH 1170	MATH 1143 or 1147 or 1170
[€] CET 1115: Materials Testing I: Aggregate and Soils for Construction (early 8 weeks) OR CET 1113: Civil and Geomatics Engineering Technology I	2	C-		F, D	Minimum score of ALEKS 30 or equivalent	
[¥] MATH 1143: Precalculus I: Algebra OR MATH 1147: Precalculus	3 5	D-		F, S, Su F, S	Appropriate placement score	
Total	11-13					
Semester Two						
GE Objective 1: ENGL 1101 Writing and Rhetoric I OR ENGL 1102 Writing and Rhetoric II	3	D-	GE	F, S, Su	Appropriate placement score ENGL 1101/P with a C- or better or appropriate placement score	
CET 1121: Civil 3D Drafting	3	C-		F, S	CET 1111	
CET 1122: Intermediate Surveying	2	C-		F, S	CET 1112 or CE 3301 and MATH 1144 or 1147 or 1170	MATH 1144 or 1147 or 1170
CET 1122L: Intermediate Surveying Laboratory	1	C-		F, S	CET 1112 or CE 3301, and MATH 1144 or 1147 or 1170	MATH 1144 or 1147 or 1170
[€] CET 1125: Materials Testing II: Embankment and Base and In-Place (early 8 weeks) OR CET 1123: Civil and Geomatics Engineering Technology II	2	C-		S, D	CET 1115 or instructor permission Minimum score of ALEKS 30 or equivalent	CET 1115 or instructor permission
[¥] MATH 1144: Precalculus II: Trigonometry OR MATH 1147: Precalculus (if needed)	2 0-5	D-		F, S, Su	MATH 1143 or appropriate placement score Appropriate placement score	
Total	11-16					
Semester Three						
GE Objective 2: COMM 1101 Fundamentals of Oral Communication	3	D-	GE	F, S		
CET 2216: Route Survey and GNSS Fundamentals	3	C-		F, S	CET 1121, 1122, and MATH 1144 or 1147 or 1170	
CET 2228: Principles of GIS	3	C-		S, D	Minimum score of ALEKS 30 or equivalent	
CET 2232: Plan Reading and Worksite Safety	3	C-		F, D	Minimum score of ALEKS 30 or equivalent	
[€] CET 2235: Materials Testing IV: Specifications and Testing of Fresh Concrete (late 8 weeks) OR None	2 0	C-		F, D		
Total	12-14					
Semester Four						
CET 2220: Statics and Strength of Materials	3	C-		S	MATH 1144 or 1147 or 1170	
[€] CET 2225: Materials Testing III: Specifications and Testing of Asphalt Pavement (late 8 weeks) OR CET 2215: Materials Theory	2 3	C-		S, D F, D	CET 1115, 1125, or instructor permission MATH 1143 AND 1144, or 1147, or 1170	MATH 1144
CET 2226: Construction Surveying	3	C-		S, D	CET 1122 and MATH 1144 or 1147 or 1170	
CET 2243: Public Works	3	C-		S, D	MATH 1143 and MATH 1144 or 1147 or 1170	MATH 1144 or 1147 or 1170
CET 2251: Introduction to Legal Descriptions	1	C-		F, S		
GEMT 3313: Surveying Software Applications	3	C-		F, S	CET 1122 and MATH 1144 or 1147 or 1170	MATH 1144 or 1147 or 1170
Total	15-16					
*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.)						

2026-2027 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
MAJOR REQUIREMENTS	46-47	1. Written English ENGL 1101 or ENGL 1102	3
CET 1111: Beginning CAD	3		
CET 1112: Beginning Surveying AND CET 1112L: Beginning Surveying Laboratory OR CE 3301: Surveying	2 1 3	2. Spoken English COMM 1101 3. Mathematics 4. Humanities, Fine Arts, Foreign Lang.	3
CET 1121: Civil 3D Drafting	3		
CET 1122: Intermediate Surveying	2		
CET 1122L: Intermediate Surveying Laboratory	1	5. Natural Sciences	
CET 2216: Route Survey and GNSS Fundamentals	3		
CET 2220: Statics and Strength of Materials	3		
CET 2226: Construction Surveying	3		
CET 2228: Principles of GIS	3	6. Behavioral and Social Science	
CET 2232: Plan Reading and Worksite Safety	3		
CET 2243: Public Works	3		
CET 2251: Introduction to Legal Descriptions	1	One Course from EITHER Objective 7 OR 8	
GEMT 3313: Surveying Software Applications	3	7. Critical Thinking	
		8. Information Literacy	
*Complete either these four courses:	7-8	9. Cultural Diversity	
CET 1115: Materials Testing I: Aggregate and Soils for Construction	2		
CET 1125: Materials Testing II: Embankment and Base and In-Place	2		
		Total GE	6
CET 2225: Materials Testing III: Specifications and Testing of Asphalt Pavement	2	Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
CET 2235: Materials Testing IV: Specifications and Testing of Fresh Concrete	2		
Or complete these three courses:			
CET 1113: Civil and Geomatics Engineering Technology I	2	MAP Credit Summary	CR
CET 1123: Civil and Geomatics Engineering Technology II	2	Major	46-47
CET 2215: Materials Theory	3	General Education	6
		Upper Division Free Electives to reach 36 credits	0
*Complete either these two courses:	5	Free Electives to reach 120 credits	0
MATH 1143: Precalculus I: Algebra	3	TOTAL	52-53
MATH 1144: Precalculus II: Trigonometry	2		
Or complete this course:			
MATH 1147: Precalculus	5		
ENGL 1101: Writing and Rhetoric I OR ENGL 1102: Writing and Rhetoric II (counted in GE Obj. 1)		Graduation Requirement Minimum Credit Checklist	Confirmed
COMM 1101: Fundamentals of Oral Communication (counted in GE Obj. 2)		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)	
		Date	
		CAA or COT:	GR 07/07/2026
		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	