



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						
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	
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		
ESET 1100L: Introduction to an Industrial Environment Lab	1	C-		F, S, D	Minimum score of ALEKS 30 or equivalent	
ESET 1101: Electrical Circuits I	4	C-		F, S, D		ESET 1101L
ESET 1101L: Electrical Circuits I Lab	4	C-		F, S, D		ESET 1101
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D	Minimum score of ALEKS 30 or equivalent	
Total	18					
Semester Two						
GE Objective 5: PHYS 1101/L Elements of Physics and Lab OR CHEM 1100 Concepts of Chemistry	4	D-	GE	F, S	Appropriate placement score	
GE Objective 3: MATH 1143 Precalculus I: Algebra OR MATH 1147 Precalculus OR MATH 1153 Statistical Reasoning OR MATH 1160 Survey of Calculus OR MATH 1170 Calculus I OR MGT 2216 Business Statistics	3-5	D-	GE		Appropriate placement score	
ESET 1102: Electrical Circuits II	5	C-		F, S, D		ESET 1102L
ESET 1102L: Electrical Circuits II Lab	5	C-		F, S, D		ESET 1102
TGE 1159: Internship Strategies	1	D-		D		
Total	18-20					
Semester Three						
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	D-	GE	F, S		
ESET 1181: Introduction to Cyber-Physical Systems	3	C-		F, D		
ESET 2292: Electrical Engineering Technology I	8	C-				
ESET 2292L: Electrical Engineering Technology I Lab	5	C-			ESET 1101/L, 1102/L and 1140, or instructor approval	ESET 2292
Total	19					
Semester Four						
GE Objective 6: TGE 1150 Applied Social Sciences in the Workplace (recommended)	3	D-	GE	D		
ESET 2222: Process Control Theory	3	C-		F, S, D		ESET 2226
ESET 2226: Process Control Devices Laboratory	1	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor approval	ESET 2222
ESET 2293: Electrical Engineering Technology II	5	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor approval	ESET 2293L
ESET 2293L: Electrical Engineering Technology II Lab	4	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor approval	ESET 2293
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.)

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	55	1. Written English ENGL 1101 OR 1102	3
ESET 1100: Engineering Technology Orientation	1		
ESET 1100L: Introduction to an Industrial Environment Lab	1	2. Spoken English COMM 1101	3
ESET 1101: Electrical Circuits I	4	3. Mathematics MATH 1143 or 1147 or 1153 or 1160 or 1170 or MGT 2216	3-5
ESET 1101L: Electrical Circuits I Laboratory	4	4. Humanities, Fine Arts, Foreign Lang.	
ESET 1102: Electrical Circuits II	5		
ESET 1102L: Electrical Circuits II Laboratory	5		
ESET 1140: Applied Technical Intermediate Algebra	5	5. Natural Sciences	
ESET 1181: Introduction to Cyber-Physical Systems	3	CHEM 1100 OR PHYS 1101/L	4
ESET 2222: Process Control Theory	3		
ESET 2226: Process Control Devices Laboratory	1		
ESET 2292: Electrical Engineering Technology I	8	6. Behavioral and Social Science	
ESET 2292L: Electrical Engineering Technology I Laboratory	5	TGE 1150 (recommended)	3
ESET 2293: Electrical Engineering Technology II	5		
ESET 2293L: Electrical Engineering Technology II Laboratory	4	One Course from EITHER Objective 7 OR 8	
TGE 1159: Internship Strategies	1	7. Critical Thinking	
		8. Information Literacy	
ENGL 1101: Writing and Rhetoric I OR ENGL 1102: Writing and Rhetoric II (counted in GE Obj. 1)		9. Cultural Diversity	
MATH 1143: Precalculus I: Algebra OR MATH 1147: Precalculus OR MATH 1153: Statistical Reasoning OR MATH 1160: Survey of Calculus OR MATH 1170: Calculus I OR MGT 2216: Business Statistics (counted in GE Obj. 3)		General Education Elective to reach 36 cr. min.	
CHEM 1100: Concepts of Chemistry OR PHYS 1101/L: Elements of Physics and Lab (counted in GE Obj. 5)			
		Total GE	16-18
		Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
		MAP Credit Summary	CR
		Major	55
		General Education	16-18
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	71-73
		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 07/01/2025
		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	