

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	3	C-	GE	F, S, Su		
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		ESET 1100L
ESET 1100L: Intro to an Industrial Environment Lab	1	C-		F, S, D		ESET 1100
ESET 1101: Electrical Circuits I	4	C-		F, S, D		ESET 1101L
ESET 1101L: Electrical Circuits I Laboratory	4	C-		F, S, D		ESET 1101
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D	Minimum ALEKS score of 30 or equivalent	
Total	18					
Semester Two						
GE Objective 3: MATH 1143 or 1147 or 1153 or 1160 or 1170 or MGT 2216	3-5	C-	GE	F, S		
GE Objective 5: PHYS 1101/L or CHEM 1100	4	C-	GE	F, S		
TGE 1159: Internship Strategies	1	C-		D		
ESET 1102: Electrical Circuits II	5	C-		F, S, D		ESET 1102L
ESET 1102L: Electrical Circuits II Laboratory	5	C-		F, S, D		ESET 1102
Total	18-20					
Semester Three						
GE Objective 2: COMM 1101 Fundamentals of Oral Communication	3	C-	GE	F, S		
ESET 1181: Introduction to Cyber-Physical Systems	3	C-		F, D		
ESET 2292: Electrical Engineering Technology I	8	C-		F, S, D		
ESET 2292L: Electrical Engineering Technology I Laboratory	5	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor permission	ESET 2292
Total	19					
Semester Four						
GE Objective 6: TGE 1150 (Recommended)	3	C-	GE	F, S		
ESET 2222: Process Control Theory	3	C-		F, S, D		ESET 2226
ESET 2226: Process Control Devices Lab I	1	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor permission	ESET 2222
ESET 2293: Electrical Engineering Technology II	5	C-		F, S, D	ESET 1101/L, 1102/L, 1140, or instructor permission	ESET 2293L
ESET 2293L: Electrical Engineering Technology II Lab	4	C-		F, S, D	ESET 1101/L, 1102/L, 0140, or instructor permission	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.)

2024-2025 Major Requirements		CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	16 cr. min
MAJOR REQUIREMENTS		55	1. Written English (3 cr. min) ENGL 1101	3
ESET 1100: Engineering Technology Orientation	1			
ESET 1100L: Intro to an Industrial Environment Laboratory	1		2. Spoken English (3 cr. min) COMM 1101	3
ESET 1101: Electrical Circuits I	4		3. Mathematics MATH 1143, 1147, 1153, 1160, 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 (4 cr. min)	
ESET 1181: Introduction to Cyber-Physical Systems	3		PHYS 1101/L or CHEM 1100	4
ESET 2292: Electrical Engineering Technology I	8			
ESET 2292L: Electrical Engineering Technology I Laboratory	5			
ESET 2222: Process Control Theory	3		6. Behavioral and Social Science (1 course; 3 cr. min)	
ESET 2226: Process Control Devices Laboratory	1		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	
			9. Cultural Diversity	
MATH 1143 or 1147 or 1153 or 1160 or 1170 or MGT 2216 (counted in GE Obj. 3)				
PHYS 1101/L or CHEM 1100	(counted in GE Obj. 5)		General Education Elective to reach 36 cr. min. (if necessary)	
			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)	
			Minimum 36 cr. Upper Division Overall (0 cr. Associate)	
			Minimum of 120 cr. Total (60 cr. Associate)	X
Advising Notes		MAP Completion Status (for internal use only)		
			Date	
		CAA or COT:	EA 06/18/2024	
		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		