



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						
ESET 1103: Introduction to Electronics Theory	1	C-		D		
ESET 1103L: Introduction to Electronics Lab	1	C-		D		
ESET 1104: DC Electronics Principles Theory	2	C-		D		
ESET 1104L: DC Electronics Principles Lab	2	C-		D		
ESET 1105: AC Electronics Principles Theory	4	C-		D		
ESET 1105L: AC Electronics Principles Lab	2	C-		D		
Total	12					
Semester Two						
INST 1140: Introduction to Motors and Motor Control Theory	2	C-		S		
INST 2220: Introduction to Programmable Logic Controllers	3	C-		F, S		
INST 2240: Theory	2	C-		F, S, Su		
INST 2242: Theory	2	C-		F, S, Su		
INST 2251: Laboratory	1	C-		F, S, Su		
INST 2253: Laboratory	1	C-		F, S, Su		
INST 2254: Laboratory	1	C-		F, S, Su		
Total	12					
*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	24	1. Written English	
ESET 1103: Introduction to Electronics Theory	1		
ESET 1103L: Introduction to Electronics Lab	1	2. Spoken English	
ESET 1104: DC Electronics Principles Theory	2	3. Mathematics	
ESET 1104L: DC Electronics Principles Lab	2	4. Humanities, Fine Arts, Foreign Lang.	
ESET 1105: AC Electronics Principles Theory	4		
ESET 1105L: AC Electronics Principles Lab	2		
INST 1140: Introduction to Motors and Motor Control Theory	2	5. Natural Sciences	
INST 2220: Introduction to Programmable Logic Controllers	3		
INST 2240: Theory	2		
INST 2242: Theory	2		
INST 2251: Laboratory	1	6. Behavioral and Social Science	
INST 2253: Laboratory	1		
INST 2254: Laboratory	1		
		One Course from EITHER Objective 7 OR 8	
		7. Critical Thinking	
		8. Information Literacy	
		9. Cultural Diversity	
		General Education Elective to reach 36 cr. min.	
		Total GE	0
		Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
		MAP Credit Summary	CR
		Major	24
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	24
		Graduation Requirement Minimum Credit Checklist	Confirmed
		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)	
			<i>Date</i>
		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	