



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
<b>Semester One</b>						
GE Objective 1: ENGL 1101 Writing and Rhetoric I	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 Laboratory	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 Laboratory	4	C-		F, S, D		ESET 1101
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D		
<b>Total</b>	<b>18</b>					
<b>Semester Two</b>						
GE Objective 3: MATH 1143 Precalculus I: Algebra <b>OR</b> MATH 1144 Precalculus II: Trigonometry <b>OR</b> MATH 1147 Precalculus <b>OR</b> MATH 1153 Statistical Reasoning <b>OR</b> MATH 1170 Calculus I <b>OR</b> MGT 2216 Business Statistics	2-5	D-	GE	F, S F, S, Su	Appropriate placement score	
GE Objective 5: CHEM 1101 Introduction to Chemistry <b>OR</b> PHYS 1101/L Elements of Physics and Lab	3-4	D-	GE	F, S	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
ESET 1110: Introduction to Process Control	1	C-		F, S, D	ESET 1100	ESET 1110L
ESET 1110L: Introduction to Process Control Lab	1	C-		F, S, D	ESET 1100L	ESET 1110
<b>Total</b>	<b>17-21</b>					
*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	4 cr. min
<b>MAJOR REQUIREMENTS</b>	<b>27</b>	1. Written English ENGL 1101	3
ESET 1100: Engineering Technology Orientation	1		
ESET 1100L: Introduction to an Industrial Environment Lab	1	2. Spoken English	
ESET 1101: Electrical Circuits I	4	3. Mathematics MATH 1143 or 1144 or 1147 or 1153 or 1170 or MGT 2216	2-5
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 1110: Introduction to Process Control	1	5. Natural Sciences	
ESET 1110L: Introduction to Process Control Laboratory	1	CHEM 1101 OR PHYS 1101/L	3-4
ESET 1140: Applied Technical Intermediate Algebra	5		
ENGL 1101: Writing and Rhetoric I (counted in GE Obj. 1)		6. Behavioral and Social Science	
MATH 1143: Precalculus I: Algebra OR			
MATH 1144: Precalculus II: Trigonometry OR			
MATH 1147: Precalculus OR		One Course from EITHER Objective 7 OR 8	
MATH 1153: Statistical Reasoning OR		7. Critical Thinking	
MATH 1170: Calculus I OR		8. Information Literacy	
MGT 2216: Business Statistics (counted in GE Obj. 3)		9. Cultural Diversity	
CHEM 1101: Introduction to Chemistry OR			
PHYS 1101: Elements of Physics AND		General Education Elective to reach 36 cr. min.	
PHYS 1101L: Elements of Physics Lab (counted in GE Obj. 5)			
		<b>Total GE</b>	<b>8-12</b>
		Undergraduate Catalog and GE Objectives by <a href="http://coursecat.isu.edu/undergraduate/programs/">Catalog Year</a>	
		<a href="http://coursecat.isu.edu/undergraduate/programs/">http://coursecat.isu.edu/undergraduate/programs/</a>	
		<b>MAP Credit Summary</b>	<b>CR</b>
		Major	27
		General Education	8-12
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		<b>TOTAL</b>	<b>35-39</b>
		<b>Graduation Requirement Minimum Credit Checklist</b>	<b>Confirmed</b>
		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)	
<b>Advising Notes</b>		<b>MAP Completion Status (for internal use only)</b>	
			Date
		CAA or COT:	GR 07/01/2025
		<b>Complete College American Momentum Year</b>	
		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)	
		<b>Milestone</b> courses	