

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	C-	GE	F, S, Su	Appropriate placement score	
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	C-	GE	F, S		
RCET 1153A: Basic Electricity & DC Circuit Theory	4	C-		F, S	Min ALEKS of 30 or equivalent	RCET 1153B
RCET 1153B: Basic Electricity & AC Circuit Theory	4	C-		F, S		RCET 1153A, 1155B
RCET 1155A: Basic Electricity & DC Circuit Lab	2	C-		F, S		RCET 1155B
RCET 1155B: Basic Electricity & AC Circuit Lab	2	C-		F, S		RCET 1153B, 1155A
Total	18					
<b>Semester Two</b>						
GE Objective 5: PHYS 1101/L OR 1100 OR 1111 AND 1113	4	C-	GE	F, S		
RCET 1154A: Analog Control Devices Theory	4	C-		F, S, D	RCET 1153A/B, 1155A/B	RCET 1156A
RCET 1154B: Digital Control Devices Theory	4	C-		F, S, D	RCET 1153B	RCET 1156B
RCET 1156A: Analog Control Devices Lab	2	C-		F, S, D	RCET 1153A/B, 1155A/B	RCET 1154A
RCET 1156B: Digital Control Devices Lab	2	C-		F, S, D	RCET 1155B	RCET 1154B
Total	16					
<b>Summer Semester</b>						
RCET 3331: Laser Systems & Optics Theory	4	C-		D	RCET 1154B	RCET 3332
RCET 3332: Laser Systems & Optics Laboratory	3	C-		D	RCET 1156B	RCET 3331
Total	7					
<b>Semester Three</b>						
GE Objective 3: RCET 1372 Calculus for Electronics	4	C-		F, S	MATH 1144 or MATH 1147 or RCET 1154A	
RCET 2251: Systems Analog & Digital Theory	6	C-		F, S		RCET 2253
RCET 2253: Systems Analog & Digital Lab	5	C-		F, S	RCET 1156B	RCET 2251
RCET 2271: Introduction to Lab Simulation Software	2	C-		F, S		
Total	17					
*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 1,2,3,5,6	14 cr. min
<b>MAJOR REQUIREMENTS</b>		<b>44</b>	1. Written English ENGL 1101	3
RCET 1153A: Basic Electricity and DC Circuit Theory		4		
RCET 1153B: Basic Electricity and AC Circuit Theory		4	2. Spoken English (3 cr. min) COMM 1101	3
RCET 1154A: Analog Control Devices Theory		4	3. Mathematics (3 cr. min) RCET 1372	4
RCET 1154B: Digital Control Devices Theory		4	4. Humanities, Fine Arts, Foreign Lang.	
RCET 1155A: Basic Electricity and DC Circuit Laboratory		2		
RCET 1155B: Basic Electricity and AC Circuit Laboratory		2		
RCET 1156A: Analog Control Devices Laboratory		2	5. Natural Sciences (1 lectures, 1 lab; 4 cr. min)	
RCET 1156B: Digital Control Devices Laboratory		2	PHYS 1101/L or PHYS 1101 or PHYS 1111/1113	3
RCET 2251: Systems Analog and Digital Theory		6	PHYS 1101/L	1
RCET 2253: Systems Analog and Digital Laboratory		5		
RCET 2271: Introduction to Lab Simulation Software		2	6. Behavioral and Social Science	
RCET 3331: Laser Systems/Optics Theory		4		
RCET 3332: Laser Systems/Optics Laboratory		3	One Course from EITHER Objective 7 OR 8	
			7. Critical Thinking	
RCET 1372: Calculus for Electronics (counted in GE Obj. 3)			8. Information Literacy	
			9. Cultural Diversity	
			General Education Elective to reach 36 cr. min. (if necessary)	
			<b>Total GE</b>	<b>14</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	44
			General Education	14
			Upper Division Free Electives to reach 36 credits	0
			Free Electives to reach 120 credits	0
			<b>TOTAL</b>	<b>58</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:	EA 06/18/2024	
		<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)		
		Milestone courses		