

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 English Composition	3		GE		Appropriate Placement Score	
GE Objective 2: COMM 1101 Principles of Speech	3		GE			
RCET 0153A: Basic Electricity & DC Circuit Theory	4	C-		F,S	RCET 0153B	
RCET 0153B: Basic Electricity & AC Circuit Theory	4	C-		F,S	RCET 0153A	RCET153A, 0155B
RCET 0155A: Basic Electricity & DC Circuit Lab	2	C-		F,S		RCET 0155B
RCET 0155B: Basic Electricity & AC Circuit Lab	2	C-		F,S	RCET 0155A	RCET 0153B, 0155A
<b>Total</b>	<b>15</b>					
<b>Semester Two</b>						
GE Objective 5: PHYS 1101/1101L Elements of Physics	4		GE			
RCET 0154A: Analog Control Devices Theory	4	C-		F,S	RCET 0153, 0153B, 0155A, 0155B	RCET 0156A
RCET 0154B: Digital Control Devices Theory	4	C-		F,S	RCET 0154A, 0156A	RCET 0156B
RCET 0156A: Analog Control Devices Lab	2	C-		F,S	RCET 0153A, 0153B, 0155A, 0155B	RCET 0154A
RCET 0156B: Digital Control Devices Lab	2	C-		F,S	RCET 0154A, 0156A	RCET 0154B
<b>Total</b>	<b>16</b>					
<b>Summer Semester</b>						
RCET 3331: Laser Systems/Optics Theory	4	C-		Su	RCET 0154B	RCET 3332
RCET 3332: Laser Systems/Optics Laboratory	3	C-		Su	RCET 0156B	RCET 3331
<b>Total</b>	<b>7</b>					
<b>Semester Three</b>						
RCET 0251: Systems Analog & Digital Theory	6	C-		F,S		RCET 0253
RCET 0253: Systems Analog & Digital Lab	5	C-		F,S	RCET 0156	RCET 0251
RCET 0264: Introductory Calculus	4	C-		F,S	RCET 0251, 0154B or equivalent	
RCET 0271: Introduction to Lab Simulation Software	2	C-		F,S		
<b>Total</b>	<b>17</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.)

2021-2022 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,5,6	10 cr. min
<b>MAJOR REQUIREMENTS</b>	<b>48</b>	1. Written English (3 cr. min) ENGL 1101	3
RCET 0153A: Basic Electricity and DC Circuit Theory	4		
RCET 0153B: Basic Electricity and AC Circuit Theory	4	2. Spoken English (3 cr. min) COMM 1101	3
RCET 0154A: Analog Control Devices Theory	4	3. Mathematics (3 cr. min)	
RCET 0154B: Digital Control Devices Theory	4	4. Humanities, Fine Arts, Foreign Lang.	
RCET 0155A: Basic Electricity and DC Circuit Laboratory	2		
RCET 0155B: Basic Electricity and AC Circuit Laboratory	2		
RCET 0156A: Analog Control Devices Laboratory	2	5. Natural Sciences (1 lectures, 1 lab; 4 cr. min)	
RCET 0156B: Digital Control Devices Laboratory	2	PHYS 1101 w/Lab	4
RCET 0251: Systems Analog and Digital Theory	6		
RCET 0253: Systems Analog and Digital Laboratory	5		
RCET 0264: Introductory Calculus	4	6. Behavioral and Social Science	
RCET 0271: Introduction to Lab Simulation Software	2		
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	
		8. Information Literacy	
		9. Cultural Diversity	
		General Education Elective to reach 36 cr. min. (if necessary)	
		<b>Total GE</b>	<b>10</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	48
		General Education	10
		Upper Division Free Electives to reach 36 credits	
		Free Electives to reach 120 credits	
		<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>	
			<i>Date</i>
		CAA or COT:	TIM 03/27/2020
		<b>Complete College American Momentum Year</b>	
		<b>Math and English course in first year-Specific GE MATH course identified</b>	
		<b>9 credits in the Major area in first year</b>	
		<b>15 credits each semester (or 30 in academic year)</b>	
		<b>Milestone courses</b>	