

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Elective, 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 2: COMM 1101 Principles of Speech	3		GE		Appropriate Placement Score	
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, RCET 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, RCET 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 0153A, RCET 0153B, RCET 0155A, RCET 0155B	RCET 0156A
RCET 0154B: Digital Control Devices Theory	4	C-		F,S	RCET 0154A, RCET 0156A	RCET 0156B
RCET 0156A: Analog Control Devices Lab	2	C-		F,S	RCET 0153A, RCET 0153B, RCET 0155A, RCET 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>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 0156B	RCET 0251
RCET 0264: Introductory Calculus	4	C-		F,S	RCET 0154B or equivalent	RCET 0251
RCET 0271: Introduction to Lab Simulation Software	2	C-		F,S		
<b>Total</b>	<b>17</b>					
<b>Semester Four</b>						
RCET 0265: Computer Fundamentals & Intro to Programming	4	C-		F,S		
RCET 0267: Radio Frequency Transmission Theory	6	C-		F,S	RCET 0251, RCET 0253, and RCET 0264	RCET 0268
RCET 0268: Radio Frequency Transmission Lab	5	C-		F,S	RCET 0251, RCET 0253, and RCET 0264	RCET 0267
<b>Total</b>	<b>15</b>					
<b>Semester Five</b>						
GE Objective 1: ENGL 1101 English Composition	3		GE			
RCET 3371: Advanced Programming Techniques and GUI Development	4	C-		F,S	RCET 0265, RCET 0271	
RCET 3373: Advanced Computer Architecture and Embedded Systems Theory	5	C-		F,S	RCET 0154B, RCET 0251	RCET 3375
RCET 3375: Advanced Computer Architecture and Embedded Systems Lab	5	C-		F,S	RCET 0156B, RCET 0253	RCET 3373
<b>Total</b>	<b>17</b>					
<b>Semester Six</b>						
GE Objective 3: RCET 1372 Calculus for Advanced Electronics	4	C-	GE			
RCET 3374: Advanced Systems Analysis	4	C-		F,S	RCET 0251, RCET 0267	RCET 3376
RCET 3376: Advanced Systems Analysis Laboratory	5	C-		F,S	RCET 0253, RCET 0268	RCET 3374
<b>Total</b>	<b>13</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.)						

<b>2019-2020 Major Requirements</b>	<b>CR</b>	<b>GENERAL EDUCATION OBJECTIVES</b> <b>* Satisfy 1, 2, 3, 5 and 6 only</b>	<b>14 Cr. Min</b>
<b>RCET, AAS - MAJOR REQUIREMENTS</b>	<b>79</b>	1. Written English (6 cr. min) ENGL 1101 (or equivalent)	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 1372	4
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 Course including a lab; 4 cr. min)	
RCET 0156B: Digital Control Devices Laboratory	2		
RCET 0251: Systems Analog and Digital Theory	6	PHYS 1101 and 1101 Lab Elements of Physics	4
RCET 0253: Systems Analog and Digital Laboratory	5		
RCET 0264: Introductory Calculus	4	6. Behavioral and Social Science (1 course; 3 cr. min)	
RCET 0265: Computer Fundamentals & Intro to Programming	4		
RCET 0267: Radio Frequency Transmission Theory	6		
RCET 0268: Radio Frequency Transmission Laboratory	5	<b>One Course from EITHER Objective 7 OR 8</b>	
RCET 0271: Introduction to Lab Simulation Software	2	7. Critical Thinking	
RCET 3371: Advanced Programming Techniques and GUI Development	4	8. Information Literacy	
RCET 3373: Advanced Computer Architecture and Embedded Systems Theory	5	9. Cultural Diversity	
RCET 3374: Advanced Systems Analysis Theory	4		
RCET 3375: Advanced Computer Architecture and Embedded Systems Laboratory	5	General Education Elective to reach 15 cr. min.	
RCET 3376: Advanced Systems Analysis Laboratory	5		
RCET 1372: Calculus for Advanced Electronics (counted in GE Obj. 3)		<b>Total GE</b>	<b>17</b>
		Undergraduate Catalog and GE Objectives by <a href="#">Catalog Year</a>	
		<b>MAP Credit Summary</b>	<b>CR</b>
		Major	79
		General Education	14
		Free Electives to reach 60	0
		<b>TOTAL</b>	<b>93</b>
		<b>Graduation Requirement Minimum Credit Checklist</b>	<b>Confirmed</b>
<b>Advising Notes</b>		<b>MAP Completion Status (for internal use only)</b>	
			<i>Date</i>
		<i>Department:</i>	
		<i>CAA or COT:</i>	TIM 06/11/2019
		<i>Registrar:</i>	