

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						
GE Objective 6: TGE 1150 Applied Social Sciences in the Workplace (Recommended)	3	C-	GE	D		
RCET 1153A: Basic Electricity & DC Circuit Theory	4	C-		F, S	Minimum score of 30 on ALEKS 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	15					
Semester Two						
Objective 5: PHYS 1101/L OR PHYS 1100 OR PHYS 1111 and PHYS 1113	4	C-	GE			
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	15					
Semester Three						
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					
Semester Four						
RCET 2265: Computer Fundamentals and Introduction to Programming	4	C-		F, S		
RCET 2267: Radio Frequency Transmission Theory	6	C-		F, S	RCET 2251, 2253, 1372	RCET 2268
RCET 2268: Radio Frequency Transmission Lab	5	C-		F, S	RCET 2251, 2253, 1372	RCET 2267
Total	15					
Semester Five						
GE Objective 1: ENGL 1101 Writing and Rhetoric I	3	C-	GE	F, S, Su		
RCET 3371: Advanced Programming Techniques and GUI Development	4	C-		D	RCET 2265, 2271	
RCET 3373: Advanced Computer Architecture and Embedded Systems Theory	5	C-		D	RCET 1154B, 2251	RCET 3375
RCET 3375: Advanced Computer Architecture and Embedded Systems Lab	5	C-		D	RCET 1156B, 2253	RCET 3373
Total	18					
Semester Six						
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	C-	GE	F, S		
RCET 3372: Advanced Applications of Calculus for Robotics	4	C-			RCET 1372, PHYS 1101	
RCET 3374: Advanced Systems Analysis Theory	4	C-		D	RCET 2251, 2267	RCET 3376
RCET 3376: Advanced Systems Analysis Theory Lab	5	C-		D	RCET 2253, 2268	RCET 3374
Total	16					

*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.)

