

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	C-	GE			
ESET 0100: Engineering Technology Orientation	1	C-		F,S		
ESET 0100L: Engineering Technology Orientation Lab	1	C-		F,S		
ESET 0101: Electrical Circuits I	5	C-		F		ESET 0101L
ESET 0101L: Electrical Circuits I Lab	5	C-		F		ESET 0101
ESET 0141: Applied Mathematics I	4	C-		F,S		ESET 0101 or ESET 0121
Total	<b>19</b>					
<b>Semester Two</b>						
GE Objective 5: PHYS 1101 & Lab OR CHEM 1100	4	C-	GE			
ESET 0102: Electrical Circuits II	5	C-		F,S		ESET 0102L
ESET 0102L: Electrical Circuits II Lab	5	C-		F,S		ESET 0102
ESET 0110: Introduction to Process Control	1	C-		F,S	ESET 0100	ESET 0110L
ESET 0110L: Introduction to Process Control Lab	1	C-		F,S	ESET 0100L	ESET 0110
ESET 0142: Applied Mathematics II	4	C-		F,S		ESET 0102 or ESET 0127
TGE 0159: Internship Strategies	1	C-		F,S		
Total	<b>21</b>					
<b>Semester Three</b>						
GE Objective 1: ENGL 1101 English Composition	3	C-	GE			
INST 0281: Electrical Automation Theory	8	C-		F,S	ESET 0102, 0110	INST 0282
INST 0282: Electrical Automation Lab	5	C-		F,S		INST 0281
Total	<b>16</b>					
<b>Semester Four</b>						
GE Objective 3: MATH 1153 OR MATH 1170	3	C-	GE		ESET 0141 and ESET 0142	
GE Objective 6:	3	C-	GE			
INST 0292: Process Measurement and Control Theory	10	C-		F,S	INST 0281, 0282	INST 0293
INST 0293: Process Measurement and Control Lab	4	C-		F,S		INST 0292
Total	<b>20</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>2018-2019 Major Requirements</b>	<b>CR</b>	<b>GENERAL EDUCATION OBJECTIVES * Satisfy 1, 2, 3, 5 and 6</b>	<b>15 Cr. Min</b>
<b>Energy Sys – Instrumentation, AAS - MAJOR REQUIREMENTS</b>	<b>60</b>	1. Written English (6 cr. min) ENGL 1101 (or equivalent)	3
ESET 0100: Engineering Technology Orientation	1		
ESET 0100L: Engineering Technology Orientation Lab	1	2. Spoken English (3 cr. min) COMM 1101	3
ESET 0101: Electrical Circuits I	5	3. Mathematics (3 cr. min) MATH 1153 or MATH 1170	3
ESET 0101L: Electrical Circuits I Lab	5	4. Humanities, Fine Arts, Foreign Lang.	
ESET 0102: Electrical Circuits II	5		
ESET 0102L: Electrical Circuits II Lab	5		
ESET 0110: Introduction to Process Control	1	5. Natural Sciences (1 Course including a lab; 4 cr. min)	
ESET 0110L: Introduction to Process Control Lab	1	PHYS 1101 and 1101 Lab Elements of Physics OR	4
ESET 0141: Applied Mathematics I	4	CHEM 1100 Architecture of Matter	
ESET 0142: Applied Mathematics II	4	6. Behavioral and Social Science (1 course; 3 cr. min)	
INST 0281: Electrical Automation Theory	8		3
INST 0282: Electrical Automation Lab	5		
INST 0292: Process Measurement and Control Theory	10	<b>One Course from EITHER Objective 7 OR 8</b>	
INST 0293: Process Measurement and Control Lab	4	7. Critical Thinking	
TGE 0159: Internship Strategies	1	8. Information Literacy	
		9. Cultural Diversity	
		General Education Elective to reach 15 cr. min.	
		<b>Total GE</b>	<b>16</b>
		Undergraduate Catalog and GE Objectives by <a href="#">Catalog Year</a>	
		<b>MAP Credit Summary</b>	<b>CR</b>
		Major	60
		General Education	16
		Free Electives to reach 60	0
		<b>TOTAL</b>	<b>76</b>
		<b>Graduation Requirement Minimum Credit Checklist</b>	<b>Confirmed</b>
		Minimum 15 cr. General Education Objectives (Associate)	
		Minimum 60 cr. Total (Associate)	
<b>Advising Notes</b>		<b>MAP Completion Status (for internal use only)</b>	
Students must register concurrently for the lab course associated with			<i>Date</i>
Each theory course.		<i>Department:</i>	
		<i>CAA or COT:</i>	TIM 07/25/2018
		<i>Registrar:</i>	