



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 1: ENGL 1101 Writing and Rhetoric I OR ENGL 1102 Writing and Rhetoric II	3	D- C-	GE	F, S, Su	Appropriate placement score	
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		
ESET 1100L: Introduction to an Industrial Environment Laboratory	1	C-		F, S, D		
ESET 1101: Electrical Circuits I	4	C-		F, S, D		ESET 1101L
ESET 1101L: Electrical Circuits I Laboratory	4	C-		F, S, D		ESET 1101
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D	Minimum score of 30 on ALEKS or equivalent	
Total	18					
Semester Two						
GE Objective 5: PHYS 1101/L Elements of Physics and Laboratory OR CHEM 1100 Concepts of Chemistry OR TGE 1160 Foundations of Physical Sciences in Applied Technology	4	D-	GE	F, S	Permission of College of Technology	MATH 1108 or equivalent
ESET 1181: Introduction to Cyber-Physical Systems	3	C-		F, D		
IAET 2000: Fundamentals of Measurement and Control	2	C-		F, S, D	ESET 1100, 1101	IAET 2000L
IAET 2000L: Fundamentals of Measurement and Control Laboratory	1	C-		F, S, D	ESET 1100L, 1101L	IAET 2000
IAET 2050: Introduction to Automation	3	C-		F, S, D	ESET 1100, 1101, 1140	IAET 2050L
IAET 2050L: Introduction to Automation Laboratory	4	C-		F, S, D	ESET 1100L, 1101L	IAET 2050
TGE 1159: Internship Strategies	1	C-		D		
Total	18					
Semester Three						
GE Objective 2: COMM 1101 Fundamentals of Oral Communication	3	D-	GE	F, S		
GE Objective 3: Math 1143 Precalculus I: Algebra OR MATH 1147 Precalculus OR MATH 1153 Statistical Reasoning OR MATH 1160 Survey of Calculus OR MATH 1170 Calculus I OR MGT 2216 Business Statistics	3-5	D-	GE		Appropriate placement score	
IAET 2100: Motor Control Theory	4	C-		F, S, D	ESET 1181, IAET 2000, 2050	IAET 2100L
IAET 2100L: Motor Control Laboratory	2	C-			IAET 2000L, 2050L	IAET 2100
IAET 3000: PLC Programming Theory	2	C-	UM		IAET 2000, 2100, 2050	IAET 2100, 3000L
IAET 3000L: PLC Programming Laboratory	4	C-	UM		IAET 2000L, 2100L, 2050L	IAET 2100L, 3000
Total	18-20					
Semester Four						
GE Objective 6: Any	3	D-				
IAET 3100: Process Measurement Theory	3	C-	UM		IAET 2100, 3000	IAET 3100L
IAET 3100L: Process Measurement Laboratory	2	C-	UM		IAET 2100, 3000	IAET 3100L
IAET 3150: Process Control Theory	4	C-	UM		IAET 2100, 3000, 3100	IAET 3100, 3150L, 3200
IAET 3150L: Process Control Laboratory	3	C-	UM		IAET 2100L, 3000L, 3100	IAET 3100, 3150, 3200
IAET 3200: Industrial Networking	2	C-	UM		IAET 3000	IAET 3150, 3150L
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.)						

