

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	3	C-	GE	F,S,Su		
GE Objective 2: COMM 1101 Fundamentals of Oral Comm	3	C-	GE	F, S		
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		
ESET 1100L: Intro to an industrial Environment Lab	1	C-		F, S, D		
ESET 1140: Applied Technical Intermediate Algebra (Recommended) ; or MATH 1147: College Algebra and Trigonometry	3-5	C-		F, S, D	C- in MATH 0025, a Math ACT score of 18 or higher, an SAT score of 460 or higher, an ALEKS score of 30 or higher	
ESET 1152: Nuclear Careers and Information	1	C-		F, S	2 credits required for graduation (take 2 times, 1 credit each 1 st and 4 th Semester)	
ESET 1153: Radiological Control Fundamentals	3	C-		F, D		
Total	15-17					
Semester Two						
GE Objective 1: ENGL 1102: Writing and Rhetoric II	3	C-	GE	F,S,Su	ENGL 1101 or ENGL 1101P	
GE Objective 3: MATH 1153 (Recommended) or 1160 or 1170 (Recommended) *See Advisor*	3-4	C-	GE	F,S,Su		
ESET 1121: Basic Electricity and Electronics	4	C-		F, S		ESET 1121L
ESET 1121L: Basic Electricity and Electronics Laboratory	3	C-		F, S		ESET 1121
ESET 1130: Initial Operator Training and Student Operations	4	C-		S, D	MATH 1143 or current ALEKS score of 60	
Total	17-18					
Semester Three						
GE Objective 5: CHEM 1101 or CHEM 1111/L (Recommended)	3-5	C-	GE	F,S,Su		
ESET 1122: Electrical Systems and Motor Control	3	C-		F, S, D	ESET 1121/L or permission	ESET 1122L
ESET 1122L: Electrical Systems and Motor Control Laboratory	1	C-		F, S, D	ESET 0121/L or permission	ESET 1122
ESET 2220: Thermal Cycles and Heat Transfer	2	C-		F, D		
ESET 2239: Pumps, Valves, and Fluid Flow	5	C-		F, D	ESET 1127/L or ESET 1130 or ESET 1151/L	ESET 2239/L
ESET 2239L: Pumps, Valves, and Fluid Flow Lab	4	C-		F, D	ESET 1127/L or ESET 1130 or ESET 1151/L	ESET 2239
Total	18-20					
Semester Four						
GE Objective 4: TGE 1257 (Recommended) , PHIL 1101, or PHIL 1103	3	C-	GE	F, S, D		
GE Objective 5: PHYS 1101/1101L	4	C-	GE	F, S		
GE Objective 6: TGE 1150 (Recommended)	3	C-	GE	F,S,Su		
ESET 1152: Nuclear Careers and Information	1	C-		F, S, D	2 credits required for graduation (take 2 times, 1 credit each 1 st and 4 th Semester)	
ESET 2221: Nuclear Steam Supply Systems	2	C-		S, D	ESET 1102 or 1122; ESET 2220; or permission	
ESET 2249: Reactor Plant Materials	3	C-		S, D	ESET 1151 or 1130; ESET 2239; CHEM 1101 or CHEM 1111/L; or permission	
ESET 2260: Nuclear Instrumentation	2	C-		S, D	ESET 1130	
Total	18					
Semester Five						
ESET 2242: Practical Process Measurements and Control	2	C-		F, D	ESET 1122 or permission	
ESET 2248: Power Plant Documentation and Procedures	2	C-		F, D	ESET 1100L; and ESET 1151 or ESET 1130; or permission	
ESET 2251: Reactor Theory Safety and Design	4	C-		F, D	ESET 1130, 2221, 2239, 2248, 2249, 2261, or permission	
ESET 2279: Conduct of Operations	4	C-		F, S, D	ESET 1151/L or ESET 1130 or permission	
ESET 2280: Capstone and Case Studies in Nuclear Engineering Technology	2	C-		S, D	ESET 1151/L, or ESET 1130; ESET 1153, 2220, 2249	ESET 2248, ESET 2279
Total	14					
*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.)						

