



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						
CYBR 3383: Security Design for Cyber-Physical Systems	3	C-		F, D	ESET 1181, 2223, 2227, and 2282, or instructor permission	ESET 1181, 2223, 2227, and 2282, or instructor permission
CYBR 3384: Risk Management for Cyber-Physical Systems	3	C-		F, S	ESET 1181, 2223, 2227, 2282, and CYBR 3383, or instructor approval	ESET 1181, 2223, 2227, 2282, and CYBR 3383, or instructor approval
ESET 1162: Industrial Safety and Regulations	2	C-		F, S, D		
ESET 1182: Information Technology Fundamentals	3	C-		F, S	Minimum score of ALEKS 30 or equivalent	
ESET 2205: Fundamentals of Control Logic	3	C-		F, S, D	Instructor approval	
ESET 2282: Introduction to Networking	3	C-		F		
Total	17					
Semester Two						
CYBR 4481: Defending Critical Infrastructure and Cyber Physical Systems	3	C-		S, D	ESET 2282, CYBR 3383, 3384, or instructor approval	
CYBR 4486: Network Security for Industrial Environments	3	C-		S, D	ESET 2282, CYBR 3383, or instructor approval	
CYBR 4487: Professional Development and Certification	3	C-		S, D	CYBR 3383, 3384, 4486, 4481	CYBR 3384, 4486, 4481
ESET 1120: Introduction to Energy Systems	2	C-		F, S, D		ESET 1120L
ESET 1120L: Introduction to Energy Systems Laboratory	1	C-		F, S, D		ESET 1120
ESET 2242: Practical Process Measurements and Control	2	C-		F, D	ESET 1122 or instructor approval	
OR						
ESET 2222: Process Control Theory AND ESET 2226: Process Control Devices Laboratory	3 1			F, S, D	ESET 1101/L, 1102/L, 1140, or instructor approval	
INFO 4411: Intermediate Information Assurance	3	C-		D	INFO 1150 or INFO 3310 or CS 1137 or instructor approval	
Total	17-19					

*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.)

Form Revised 2.14.2023