



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						
ESET 4440: SCADA Management	3	C-			ESET 1182, 2282, 2205 (or other PLC programming course), or instructor approval	
Total	3					
Semester Two						
CYBR 4490: Cybersecurity for Programmable Controllers	3	C-			ESET 2205 (or other PLC programming course), CYBR 3383, or instructor approval	
CYBR 4481: Defending Critical Infrastructure and Cyber Physical Systems	3	C-		S, D	ESET 2282, 3383, 3384, or instructor approval	
CYBR 4486: Network Security for Industrial Environments	3	C-		S, D	CYBR 3383, ESET 2282, or instructor approval	
Total	9					

*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.)

2026-2027 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
MAJOR REQUIREMENTS	12	1. Written English	
CYBR 4481: Defending Critical Infrastructure and Cyber Physical Systems	3	2. Spoken English	
CYBR 4486: Network Security for Industrial Environments	3	3. Mathematics	
CYBR 4490: Cybersecurity for Programmable Controllers	3	4. Humanities, Fine Arts, Foreign Lang.	
ESET 4440: SCADA Management	3		
		5. Natural Sciences	
		6. Behavioral and Social Science	
		One Course from EITHER Objective 7 OR 8	
		7. Critical Thinking	
		8. Information Literacy	
		9. Cultural Diversity	
		General Education Elective to reach 36 cr. min.	
		Total GE	0
		Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
		MAP Credit Summary	CR
		Major	12
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	12
		Graduation Requirement Minimum Credit Checklist	Confirmed
		Minimum 36 cr. General Education Objectives (15 cr. AAS)	
		Minimum 15 cr. Upper Division in Major (0 cr. Associate)	
		Minimum 36 cr. Upper Division Overall (0 cr. Associate)	
		Minimum of 120 cr. Total (60 cr. Associate)	
		MAP Completion Status (for internal use only)	
			<i>Date</i>
		CAA or COT:	GR 04/21/2026
		Complete College American Momentum Year	
		Math and English course in first year-Specific GE MATH course identified	
		9 credits in the Major area in first year	
		15 credits each semester (or 30 in academic year)	
		Milestone courses	