Idaho State University

Catalog Year 2024-2025

ITC, Energy Systems Technology

Recommended for those interested in seeking an AAS in Energy Systems Instrumentation Engineering Technology

(For internal use only)

☒ *No change*

☐ *UCC proposal*

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 & Rhetoric I	3	C-	GE	F, S, Su		
ESET 1100: Engineering Technology Orientation	1	C-		F, S, D		
ESET 1100L: Intro to an Industrial Environment Lab	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	Min of 30 ALEKS or equivalent	
Total	18					
Semester Two						
GE Objective 5: PHYS 1101/L or CHEM 1101	3-4	C-	GE	F, S		
ESET 1102: Electrical Circuits II	5	C-		F, S, D		ESET 1102L
ESET 1102L: Electrical Circuits II Laboratory	5	C-		F, S, D		ESET 1102
ESET 1110: Introduction to Process Control	1	C-		F, S	ESET 1100	ESET 1110L
ESET 1110L: Introduction to Process Control Laboratory	1	C-		F, S	ESET 1100L	ESET 1110
GE Objective 3: MATH 1143 or 1147 or 1153 or 1160 or 1170, or MGT 2216	3-5	C-	GE	F, S, Su		
Total	18-21					

*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.)

2024-2025 Major Requirements	CR
MAJOR REQUIREMENTS	**27**
ESET 1100: Engineering Technology Orientation	1
ESET 1100L: Intro to an Industrial Environment Lab	1
ESET 1101: Electrical Circuits I	4
ESET 1101L: Electrical Circuits I Laboratory	4
ESET 1102: Electrical Circuits II	5
ESET 1102L: Electrical Circuits II Laboratory	5
ESET 1110: Introduction to Process Control	1
ESET 1110L: Introduction to Process Control Laboratory	1
ESET 1140: Applied Technical Intermediate Algebra	5
ENGL 1101 (counted as GE Obj.1)	

GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	7 cr. min
1. Written English (3 cr. min) ENGL 1101	3
2. Spoken English (3 cr. min)	
3. Mathematics MATH 1143, 1147, 1153, 1160, 1170, MGT 2216	3-5
4. Humanities, Fine Arts, Foreign Lang.	
5. Natural Sciences **(1 lecture, 1 lab; 4 cr. min)**	
PHYS 1101/L or CHEM 1101	3-4
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. **(if necessary)**	
Total GE	**9-12**

Undergraduate Catalog and GE Objectives by Catalog Year
http://coursecat.isu.edu/undergraduate/programs/

MAP Credit Summary	CR
Major	27
General Education	9-12
Upper Division Free Electives to reach 36 credits	0
Free Electives to reach 120 credits	0
TOTAL	36-39

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)	

Advising Notes

MAP Completion Status (for internal use only)	
	Date
CAA or COT:	EA 06/18/2024

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

Form Revised 9.10.2019