# Idaho State University

**Catalog Year 2023-2024**
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: Introduction to an Industrial 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 | | |
| 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, 1144, 147, 1153, 1170, or MGT 2216 | 3-4 | C- | GE | F, S, Su | | |
| Total | 18-20 | | | | | |

*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.)

| 2023-2024 Major Requirements | CR | GENERAL EDUCATION OBJECTIVES<br>Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9 | | 7 cr.<br>min |
|---|---|---|---|---|
| MAJOR REQUIREMENTS | 27 | 1. Written English  (3 cr. min) | ENGL 1101 | 3 |
| ESET 1100: Engineering Technology Orientation | 1 | | ENGL 1102 | |
| ESET 1100L: Intro to an Industrial Environment Lab | 1 | 2. Spoken English   (3 cr. min) | COMM 1101 | |
| ESET 1101: Electrical Circuits I | 4 | 3. Mathematics    MATH 1143, 1144, 1147, 1153, 1170, MGT 2216 | | 3-4 |
| ESET 1101L: Electrical Circuits I Laboratory | 4 | 4. Humanities, Fine Arts, Foreign Lang. | | |
| ESET 1102: Electrical Circuits II | 5 | | | |
| ESET 1102L: Electrical Circuits II Laboratory | 5 | | | |
| ESET 1110: Introduction to Process Control | 1 | 5. Natural Sciences      (1 lecture, 1 lab; 4 cr. min) | | |
| ESET 1110L: Introduction to Process Control Laboratory | 1 | PHYS 1101/L or CHEM 1101 | | 3-4 |
| ESET 1140: Applied Technical Intermediate Algebra | 5 | | | |
| | | | | |
| | | 6. Behavioral and Social Science      (1 course; 3 cr. min) | | |
| | | | | |
| PHYS 1101/L                              (counted as GE Obj.5) | | | | |
| ENGL 1101                               (counted as GE Obj.1) | | 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 | | 9-11 |
| | | Undergraduate Catalog and GE Objectives by Catalog Year | | |
| | | *http://coursecat.isu.edu/undergraduate/programs/* | | |
| | | | | |
| | | | | |
| | | MAP Credit Summary | | CR |
| | | Major | | 27 |
| | | General Education | | 9-11 |
| | | Upper Division Free Electives to reach 36 credits | | 0 |
| | | Free Electives to reach 120 credits | | 0 |
| | | TOTAL | | 36-38 |
| | | | | |
| | | | | |
| | | | | |
| | | 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:* | PJ 06/01/2023 | |
| | | | | |
| | | **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