

**Catalog Year 2019-2020**

ITC, Energy Systems – Instrumentation Tech

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is an efficient strategy only. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Elective, and university requirements (see pg.2) are based on Catalog Year.

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Subject and Title** | **Cr.**  | **Min.** **Grade** | **\*GE,** **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE |  |  |  |
| ESET 0100: Engineering Technology Orientation | 1 | C- |  | F,S |  |  |
| ESET 0100L: Engineering Technology Orientation Lab | 1 | C- |  | F,S |  |  |
| ESET 0101: Electrical Circuits I | 5 | C- |  | F |  | ESET 0101L |
| ESET 0101L: Electrical Circuits I Lab | 5 | C- |  | F |  | ESET 0101 |
| ESET 0141: Applied Mathematics I | 4 | C- |  | F,S |  | ESET 0101 or ESET 0121 |
|  Total | **19** |  |  |  |  |  |
| Semester Two |
| GE Objective 5: PHYS 1101 & 1101L Elements of Physics | 4 |  | GE |  |  |  |
| ESET 0102: Electrical Circuits II | 5 | C- |  | F,S |  | ESET 0102L |
| ESET 0102L: Electrical Circuits II Lab | 5 | C- |  | F,S |  | ESET 0102 |
| ESET 0110: Introduction to Process Control | 1 | C- |  | F,S | ESET 0100 | ESET 0110L |
| ESET 0110L: Introduction to Process Control Lab | 1 | C- |  | F,S | ESET 0100L | ESET 0110 |
| ESET 0142: Applied Mathematics II | 4 | C- |  | F,S |  | ESET 0102 or ESET 0127 |
|  Total | **20** |  |  |  |  |  |
| Semester Three |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  Total |  |  |  |  |  |  |
| Semester Four |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  Total |  |  |  |  |  |  |
| \*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.)  |

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| **2019-2020 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****\* Satisfy 2 and 5 Only**  | **7 Cr.****Min** |
| **Energy Sys – Instrumentation, ITC - MAJOR REQUIREMENTS** | **32** | 1. Written English (6 cr. min) ENGL 1101 (or equivalent) |  |
| ESET 0100: Engineering Technology Orientation | 1 |   |  |
| ESET 0100L: Engineering Technology Orientation Lab  | 1 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| ESET 0101: Electrical Circuits I | 5 | 3. Mathematics (3 cr. min)  |  |
| ESET 0101L: Electrical Circuits I Lab | 5 | 4. Humanities, Fine Arts, Foreign Lang. |
| ESET 0102: Electrical Circuits II | 5 |  |  |
| ESET 0102L: Electrical Circuits II Lab | 5 |  |  |
| ESET 0110: Introduction to Process Control | 1 | 5. Natural Sciences **(1 Course including a lab; 4 cr. min)**  |
| ESET 0110L: Introduction to Process Control Lab | 1 |  PHYS 1101 and 1101 Lab Elements of Physics  | 4 |
| ESET 0141: Applied Mathematics I | 4 |   |  |
| ESET 0142: Applied Mathematics II | 4 | 6. Behavioral and Social Science **(1 course; 3 cr. min)** |
|  |  |  |  |
|  |  |  |  |
|  |  | **One Course from EITHER Objective 7 OR 8** |
|  |  | 7. Critical Thinking  |  |
|  |  | 8. Information Literacy  |
|  |  | 9. Cultural Diversity  |
|  |  |  |  |
|  |  | General Education Elective to reach 15 cr. min.  |
|  |  |   |  |
|  |  |  **Total GE** | **7** |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  |
|  |  |
|  |  |
|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 32 |
|  |  | General Education  | 7 |
|  |  | Free Electives to reach 60 | 0 |
|  |  |  TOTAL | 39 |
|  |  |  |
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|  |  |
|  |  |
|  |  | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
|  |  | Min. of 3 credits General Education Objectives |  |  |
|  |  | Min. of 32 credits Total |  |  |
|  |  |  |  |  |
|  |  |  |  |
| **Advising Notes** | ***MAP Completion Status (for internal use only)*** |
| Students must register concurrently for the lab course associated with |  | *Date* |
| Each theory course.  | *Department:*  |  |
|  | *CAA or COT:* | TIM 06/18/2019 |
|  | *Registrar:*  |  |
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 Form Revised 1.24.2018