

**Catalog Year 2019-2020**

Electrical Engineering Technology - AAS

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 | D- | GE | F, S |  |  |
| ESET 0141: Applied Mathematics I | 4 | C- |  | F |  | ESET 0101 |
| ESET 0100: Engineering Technology Orientation | 1 | C- |  | F |  |  |
| ESET 0100L – Engineering Technology Orientation Lab | 1 | C- |  | F, S, D |  | ESET 0100 |
| ESET 0101: Electrical Circuits I | 5 | C- |  | F |  | ESET 0101L |
| ESET 0101L: Electrical Circuits I Laboratory | 5 | C- |  | F |  | ESET 0101 |
|  |  |  |  |  |  |  |
|  Total | 19 |  |  |  |  |  |
| Semester Two |
| GE Objective 5: PHYS 1101/L or CHEM 1100 | 4 | D- | GE | F, S |  |  |
| GE Objective 6: Social & Behavioral Ways of Knowing  | 3 | C- | GE | F, S |  |  |
| TGE 0159: Internship Strategies | 1 | D- |  |  |  |  |
| ESET 0142: Applied Mathematics II | 4 | C- |  | S |  | ESET 0102 |
| ESET 0102: Electrical Circuits II | 5 | C- |  | S |  | ESET 0102L |
| ESET 0102L: Electrical Circuits II Laboratory | 5 | C- |  | S |  | ESET 0102 |
|  |  |  |  |  |  |  |
|  Total | 22 |  |  |  |  |  |
| Semester Three |
| GE Objective 1: ENGL 1101 English Composition | 3 | D- | GE | F, S |  |  |
| ESET 0181: Information Technology Fundamentals | 3 | C- |  | F, D | Instructor Approval |  |
| ESET 0212: Electrical Systems Documentation and Standards | 1 | C- |  | F | ESET 0101/L, 0102/L, 0141, 0142 |  |
| ESET 0292: Electrical Engineering Technology I | 7 | C- |  | F | ESET 0101/L, 0102/L, 0141, 0142 | ESET 0292L |
| ESET 0292L: Electrical Engineering Technology I Laboratory | 5 | C- |  | F | ESET 0101/L, 0102/L, 0141, 0142 | ESET 0292 |
|  |  |  |  |  |  |  |
|  Total | 19 |  |  |  |  |  |
| Semester Four |
| GE Objective 3: MATH 1153 or MATH 1170 | 3-4 | D- | GE | F, S |  |  |
| ESET 0222: Process Control Theory | 3 | C- |  | S | ESET 0101/L, 0102/L, 0141, 0142, 0226 |  |
| ESET 0226: Process Control Devices Lab | 1 | C- |  | S | ESET 0101/L, 0102/L, 0141, 0142  | ESET 0222 |
| ESET 0293: Electrical Engineering Technology II | 5 | C- |  | S | ESET 0101/L, 0102/L, 0141, 0142  | ESET 0293L |
| ESET 0293L: Electrical Engineering Technology II Lab | 4 | C- |  | S | ESET 0101/L, 0102/L, 0141, 0142 | ESET 0293 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  Total | 16-17 |  |  |  |  |  |
| \*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 Objectives 1,2,3,5, and6**  | **16 cr. min** |
| **MAJOR REQUIREMENTS** | **60** | 1. Written English (6 cr. min) ENGL 1101 | 3 |
| ESET 0100: Engineering Technology Orientation | 1 |   |  |
| ESET 0100L: Engineering Technology Orientation Laboratory | 1 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| ESET 0101: Electrical Circuits I | 5 | 3. Mathematics (3 cr. min) MATH 1153 or 1170  | 3-4 |
| ESET 0101L: Electrical Circuits I Laboratory | 5 | 4. Humanities, Fine Arts, Foreign Lang.  |
| ESET 0102: Electrical Circuits II | 5 |  |  |
| ESET 0102L: Electrical Circuits II Laboratory | 5 |  |  |
| ESET 0141: Applied Mathematics I | 4 | 5. Natural Sciences **(1 lecture, 1 lab; 4 cr. min)** |
| ESET 0142: Applied Mathematics II | 4 |  CHEM 1100 or PHYS 1101/L | 4 |
| ESET 0181: Information Technology Fundamentals | 3 |  |  |
| ESET 0212: Electrical Systems Documentation and Standards | 1 |  |  |
| ESET 0292: Electrical Engineering Technology I | 7 | 6. Behavioral and Social Science **(1 course; 3 cr. min)** |
| ESET 0292L: Electrical Engineering Technology I Laboratory | 5 |  Any Course that fulfills this Objective | 3 |
| ESET 0222: Process Control Theory | 3 |  |  |
| ESET 0226: Process Control Devices Laboratory | 1 | One Course from EITHER Objective 7 OR 8  |
| ESET 0293: Electrical Engineering Technology II | 5 | 7. Critical Thinking |  |
| ESET 0293L: Electrical Engineering Technology II Laboratory | 4 | 8. Information Literacy  |
| TGE 0159: Internship Strategies | 1 | 9. Cultural Diversity  |
|  |  |  |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** |
|  |  |   |  |
|  |  |  **Total GE** | **16-17** |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  |
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|  |  |
|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 60 |
|  |  | General Education  | 16-17 |
|  |  | Free Electives to reach 120 credits | - |
|  |  |  TOTAL | 76-77 |
|  |  |  |
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|  |  |
|  |  | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) |  |
|  |  | Minimum 16 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* |
|  | *Department:*  | TIM 06/18/2019 |
|  | *CAA or COT:* |  |
|  | *Registrar:*  |  |
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 Form Revised 1.24.2018