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.

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr.</th>
<th>Min. Grade</th>
<th>*GE, UU or UM</th>
<th>**Sem. Offered</th>
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<th>Co-Requisite</th>
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<td>C-in MATH 0025, a Math ACT score of 18 or higher, an SAT score of 460 or higher, an ALEKS score of 30 or higher, or 35 on the Algebra section (MAPL 2)</td>
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<td>3 credits required for graduation (take 3 times, 1 credit each 2nd, 3rd, 4th Semester)</td>
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<td>GE Objective 5: CHEM 1101 or CHEM 1111/L</td>
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<td>ESET 0248: Power Plant Drawings</td>
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<td>C-</td>
<td>F, D</td>
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<td>ESET 0151, ESET 0151 L</td>
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<td>ESET 0249: Reactor Plant Materials</td>
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<td>ESET 0151, ESET 0151 L</td>
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<td>ESET 0252: Power Plant Components</td>
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<td>ESET 0151, ESET 0151 L</td>
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<td>GE Objective 4: TGE 1257, PHIL 1101, or PHIL 1103</td>
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<td>ESET 0250: Radiation Detection and Protection</td>
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<td>C-</td>
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<td>S, D</td>
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<td>ESET 0248, ESET 0249, ESET 0252, and ESET 0279</td>
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<td>ESET 0280: Capstone and Case Studies in Nuclear Engineering Technology</td>
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</table>

*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.)

https://isu.edu/advising/academic-support/maps/
### 2021-2022 Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>CR</th>
<th>Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9</th>
<th>25 cr. min</th>
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<tbody>
<tr>
<td>ESET 0100</td>
<td>Engineering Technology Orientation</td>
<td>1</td>
<td>1. Written English (6 cr. min)</td>
<td>ENGL 1101 3</td>
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<td>ESET 0100L</td>
<td>Engineering Technology Orientation Lab</td>
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<td>2. Spoken English (3 cr. min)</td>
<td>COMM 1101 3</td>
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<td>ESET 0121</td>
<td>Basic Electricity and Electronics</td>
<td>4</td>
<td>3. Mathematics (3 cr. min)</td>
<td>MATH 1153, MATH 1160, or MATH 1170 3-4</td>
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<td>ESET 0121L</td>
<td>Basic Electricity and Electronics Lab</td>
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<td>4. Humanities, Fine Arts, Foreign Lang. (1 courses; 3 cr. min)</td>
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<td>ESET 0122</td>
<td>Electrical Systems and Motor Control Theory</td>
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<td>5. Natural Sciences (2 lectures-different course prefixes, 1 lab; 7 cr. min)</td>
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<td>ESET 0122L</td>
<td>Electrical Systems and Motor Control Theory Laboratory</td>
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<td>6. Behavioral and Social Science (1 course; 3 cr. min)</td>
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<td>7. Critical Thinking</td>
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<td>8. Information Literacy</td>
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<td>Nuclear Careers and Information</td>
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<td>9. Cultural Diversity</td>
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<td>Boiler Reactor and Turbine Principles</td>
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<td>ESET 0242</td>
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<td>ESET 0248</td>
<td>Power Plant Drawings</td>
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<td>ESET 0249</td>
<td>Reactor Plant materials</td>
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<td>Capstone and Case Studies in Nuclear Engineering Tech</td>
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#### GENERAL EDUCATION OBJECTIVES
- Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9
- 25 cr. min

#### MAP Credit Summary

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<tr>
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#### Graduation Requirement Minimum Credit Checklist

- Minimum 36 cr. General Education Objectives (15 cr. AAS): **X**
- Minimum 15 cr. Upper Division in Major (0 cr. Associate): **X**
- Minimum 36 cr. Upper Division Overall (0 cr. Associate): **X**
- Minimum of 120 cr. Total (60 cr. Associate): **X**

#### Advising Notes
- MAP completion Status (for internal use only)
- **CAA or COT:** TIM 10/21/2019

#### 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)

Form Revised 9.10.2019