## Plan of Study for B.S. Degree in ESA

### Area A1: Communication Skills 6
- **ENGL 1101** 3
- **ENGL 1102** 3

### Area A2: MATH 1111 or higher 3
- **ESCI 3001K** 3
- **GISC 2337K** 3
- **GISC 3011K** 3
- **MATH 1450** Suggested
- **GISC 3012K** 3

### Area B: Institutional Options 7
- **GISC 3200K** 3
- **GISC 3011K** 3
- **GISC 4350K** 3
- **GISC 4470K** 3

### Area C: Humanities/Fine Arts 6
- **Directed Electives:** 15
  - Please see an advisor.

### Area D: Science/Math/Tech. 11
- **Science Lab Course 1** 3/1
- **Science Lab Course 2** 3/1
- **GISC 2011/L Suggested** 2/1

### Area E: Social Sciences 9
- **POLS 1101, HIST 2111 OR HIST 2112** 3
- **PSYC 1101, SOCI 1101, ANTH 1102, ECON 2105** 3
- **ENST 2030, GEOG 1101 OR 1102**
- **HIST 1111 OR 2111 OR 2112**
- **POLS 1101 OR 2301 OR 2401**

### Area F: Courses Appropriate to the Major 18
- **ENVE 1103 - Introduction to Environmental Professions** 3
- **GISC 2021K** 4
- **GISC 2022K** 4
- **ENVE 2221K-Surveying I or ESCI 2221K-Env. Sci. I** 4

### Free Electives - To Bring Total Credits to 120 Hours
Select 3 credit hrs. from Area F Elective List

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**Notes:** 39 credit hours of 3000 or 4000 level courses are required.

- GISC 2011/L and ENST 2030 should be completed in the core curriculum or as electives.

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Signature: Advisor  
Date:  

Signature: MINOR advisor  
Date:  

Signature: Director of IESA, Dr. Jeff Turk  
Date:  

Student Signature  
Date:  

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GISC 2011/L</td>
<td>Intro. to GIS</td>
</tr>
<tr>
<td>GISC 2337K</td>
<td>Mathematical Methods for Geospatial Science and Technology</td>
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<tr>
<td>BIOL 1102/L</td>
<td>Introduction to Ecology</td>
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<tr>
<td>CHEM 2734/L</td>
<td>Analytical Chemistry</td>
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<tr>
<td>ENST 2030</td>
<td>Environmental Studies</td>
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<tr>
<td>ESCI 2221K</td>
<td>Fundamentals of Environmental Science 1</td>
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<tr>
<td>ESCI 2222K</td>
<td>Fundamentals of Environmental Science 2</td>
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<tr>
<td>GEOG 1101</td>
<td>Introduction to Human Geography</td>
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<td>GEOG 1102</td>
<td>World Regional Geography</td>
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<td>Physical Geography</td>
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<td>GEOG 1112/L</td>
<td>Introduction to Weather and Climate</td>
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<td>GEOG/GEOL 1113K</td>
<td>Introduction to Oceanography</td>
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<td>Calculus I</td>
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<tr>
<td>SCTS 2200</td>
<td>Introduction to Space Studies</td>
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