Degree: Bachelor of Science
Major: Environmental Science
Concentration: Grades 4-8th Science Education

PREREQUISITES

<table>
<thead>
<tr>
<th>UNIVERSE CORE CURRICULUM</th>
<th>SCH</th>
<th>PREREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301 Eng. Composition</td>
<td>3</td>
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<tr>
<td>ENGL 1302 Eng. Composition</td>
<td>3</td>
<td>Eng 1301</td>
</tr>
<tr>
<td>COMM 1315 Oral Communication</td>
<td>3</td>
<td>n/a</td>
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<tr>
<td>MATH 1442 Statistics for Life</td>
<td>4</td>
<td>MATH 0399 or placement above</td>
</tr>
<tr>
<td>Natural Science BIOL 1406</td>
<td>(4)</td>
<td>see catalog</td>
</tr>
<tr>
<td>Natural Science ESCI 1401</td>
<td>(4)</td>
<td>see catalog</td>
</tr>
<tr>
<td>See Catalog Language, Philosophy, or Culture</td>
<td>3</td>
<td>see catalog</td>
</tr>
<tr>
<td>HIST 1301 US History I</td>
<td>3</td>
<td>n/a</td>
</tr>
<tr>
<td>HIST 1302 US History II</td>
<td>3</td>
<td>n/a</td>
</tr>
<tr>
<td>POLS 2305 US GOVT</td>
<td>3</td>
<td>n/a</td>
</tr>
<tr>
<td>POLS 2306 TX GOVT</td>
<td>3</td>
<td>n/a</td>
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<tr>
<td>See Catalog Creative Arts (see catalog list)</td>
<td>3</td>
<td>see catalog</td>
</tr>
<tr>
<td>ECON 2301 or 2302 Economics</td>
<td>3</td>
<td>n/a</td>
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<tr>
<td>PSYC 2301 Social Science</td>
<td>3</td>
<td>n/a</td>
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Science Content Courses:

PHYS 1304 Introduction to Astronomy: Solar Syst | 3   | n/a               |
BIOL 1406 Biology I | 4   | n/a               |
BIOL 1407 Biology II | 4   | BIOL 1406        |
CHEM 1411 General Chemistry I | 4   | MATH 1314 or placement above |
ESCI 1401 Environmental Science | 4   | n/a               |
ESCI 4202 Issues in Environmental Science | 2   | JrSr only         |
GEOL 1403 Physical Geology | 4   | n/a               |
GEOL 1404 Historical Geology | 4   | GEOL 1403        |
PHYS 1401 General Physics I | 4   | MATH 1314 or placement above |
*SMTE 4270 Secondary Approaches to the Life Sciences | 2   | n/a               |
*SMTE 4320 Secondary Science Laboratory Techniques | 3   | n/a               |
*ESCI 3351 or *ESCI 3403 Oceanography or Meteorology | 4   | n/a               |
*SMTE 3315 or *PHYS 1402 Foundational Approaches to the Physical Sciences or General Physics II | 3-4 | n/a; MATH 1314 or placement above +PHYS 1401 or PHYS 2425 |

Choose one class from this list:

*BIOL 3443 Environmental Biology | 4   | BIOL 1407 |
*CHEM 4443 Environmental Chemistry | 4   | CHEM 1412 +CHEM 3411 |
*ESCI 3351 Oceanography | 3   | CHEM 1412 or ESCI 1401 or GEOL 1403 |
*ESCI 3403 Meteorology | 3   | n/a |
*ESCI 3430 Oil Spill Management | 3   | n/a |
*ESCI 3435 Climate and Climate Variability | 3   | ESCI 3351 or ESCI 3403 |
*ESCI 4360 Physical Oceanography | 3   | ESCI 3351 + PHYS 1401 or PHYS 2425 |
*GEOL 3440 Environmental Geology | 3   | GEOL 1403 + science major or minor |

Mathematics Courses:

MATH 1442 Statistics for Life | (4) | n/a |

Choose one:

MATH 1316 Trigonometry | 3   | MATH 1314 or placement into MATH 1316 |
MATH 2312 PreCalculus | 3   | MATH 1314 or placement into MATH 2312 |
MATH 2413 Calculus I | 4   | MATH 1314 + 1316 or MATH 2312 |

PROFESSIONAL DEVELOPMENT

Preliminary Courses:

*READ 3320 Principles and Practices of Reading | 3   | n/a |
*EDUC 3311 School & Society | 3   | Interview with Dept of Teacher Ed faculty |
*READ 3351 Reading Problems | 3   | READ 3320, READ 3321, or READ 3353 |

Field Base Semester:

*EDUC 4607 Teachers | 6   | See College of Education for Admission to Teacher Education/Field Based Program. |
*EDUC 4323 Populations: Grades 4-8 | 3   | See handout provided by College of Education. |

Student Teaching Semester:

*EDUC 4313 Classroom Management: Grades 4-8 | 3   | |
*EDUC 4992 Student Teaching: Grades 4-8 | 3   | |

2.75 MAJOR GPA REQUIRED

A minimum grade point average of 2.75 (4.0 = A) in all work attempted, a minimum grade point average of 2.75 in all science, math, or specialization areas, and no grade below "C" in any science or mathematics course on a student's degree plan and/or education courses within the professional block of courses are required. (See College of Education, "Admission to Teacher Education" and "Admission to Student Teaching" for other requirements.)

THEA Scores:

Reading | (minimum 250) |
Math | (minimum 230) |
Writing | (minimum 240) |

Program requirement: Statistics requirement: MATH 1442

University Requirements:

Minimum Total Hours for degree: 122-127

*Upper Division minimum total hours: 45
*Upper Division minimum residency hours: 36
*Upper Division minimum major residency hrs: 12
Cumulative TAMU-CC minimum g.p.a.: 2
Foreign Language Requirement: see catalog