## University Core and Graduation Requirements

### University Core Requirements:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Religion Cornerstones</strong></td>
<td></td>
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<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
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<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
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<td>2.0</td>
<td>REL A 250</td>
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<td>Foundations of the Restoration</td>
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<td>2.0</td>
<td>REL C 225</td>
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<tr>
<td>The Eternal Family</td>
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<td>REL C 200</td>
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<tr>
<td><strong>The Individual and Society</strong></td>
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<tr>
<td>American Heritage</td>
<td>1-2</td>
<td>3-6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
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<td>3.0</td>
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<td><strong>Skills</strong></td>
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<td>First Year Writing</td>
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<td>Advanced Written and Oral Communications</td>
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<td>Quantitative Reasoning</td>
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<td>3.0-4.0</td>
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<td>Languages of Learning (Math or Language)</td>
<td>Variable</td>
<td>3.0-20.0</td>
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<tr>
<td><strong>Arts, Letters, and Sciences</strong></td>
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<tr>
<td>Civilization 1</td>
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<tr>
<td>Civilization 2</td>
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<tr>
<td>Arts</td>
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<tr>
<td>Letters</td>
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<td>Biological Science</td>
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<td>Physical Science</td>
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<td>Social Science</td>
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<td><strong>Core Enrichment: Electives</strong></td>
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<td>Religion Electives</td>
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<td>Open Electives</td>
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<td>personal choice</td>
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</table>

### Graduation Requirements:

- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0

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### Suggested Sequence of Courses

- Minor in Environmental Science (285802) MAP Sheet
- Life Sciences, Plant and Wildlife Sciences
- For students entering the degree program during the 2020-2021 curricular year.
## Minor in Environmental Science (285802)
### 2020-2021 Program Requirements (17 Credit Hours)

**REQUIREMENT 1** Complete 2 courses

**ENVIRONMENTAL SCIENCE CORE COURSES:**
- GEOL 111 - Physical Geology 3.0
- GEOL 101 - Introduction to Geology 3.0

**REQUIREMENT 2** Complete 6.0 hours from the following course(s)

**PWS SUPPORTING CORE COURSES:**
- PWS 511 - Environmental Science 2.0
- PWS 494R - Mentored Learning Experience 6.0

**REQUIREMENT 3** Complete 5.0 hours from the following course(s)

**OTHER AND PWS SUPPORTING CORE COURSES:**
- GEOL 435 - Introduction to Groundwater 3.0
- MATH 112 - Calculus 1 4.0
- MATH 119 - Introduction to Calculus 4.0
- MATH 302 - Mathematics for Engineering 1 4.0
- MATH 303 - Mathematics for Engineering 2 4.0
- MMBIO 221 - General Microbiology 3.0
- MMBIO 240 - Molecular Biology 3.0
- MMBIO 241 - Molecular and Cellular Biology Laboratory 1.0
- PWS 490 - Case Studies 2.0
- PWS 494R - Mentored Learning Experience 6.0

**OTHER AND PWS SUPPORTING CORE COURSES:**
- BIO 120 - Biological Diversity: Animals 4.0
- BIO 370 - Bioethics 2.0
- CHEM 105 - General College Chemistry 1 with Lab (Integrated) 4.0
- CHEM 106 - General College Chemistry 2 3.0

**CHEM 107 - General College Chemistry Laboratory** 1.0

**CHEM 223 - Quantitative and Qualitative Analysis** 4.0

**CHEM 227 - Principles of Chemical Analysis** 4.0

**CHEM 285 - Introductory Bio-organic Chemistry** 4.0

**CHEM 351M - Organic Chemistry 1 - Majors** 3.0

**CHEM 352M - Organic Chemistry 2 - Majors** 3.0

**CHEM 353 - Organic Chemistry Laboratory--Nonmajors** 2.0

**CHEM 481M - Biochemistry--Majors** 3.0

**ECON 440 - Natural Resources and Environmental Economics** 3.0

**GEOD 101 - Global Environment: Understanding Physical Geography** 3.0

**GEOD 212 - Introduction to Geographic Information Systems** 3.0

**GEOD 303 - Biogeography** 3.0

**GEOD 305 - Geography of Landforms** 3.0

**GEOD 306 - Global Conservation Designations** 3.0

**GEOD 307 - Landscape Ecology** 3.0

**GEOD 310 - Introduction to Urban and Regional Planning** 3.0

**GEOD 311 - Intermediate Geographic Information Systems** 3.0

**GEOD 331 - Economic Geography** 3.0

**GEOD 412 - Advanced Geographic Information Systems** 3.0

**GEOL 101 - Introduction to Geology** 3.0

**GEOL 111 - Physical Geology** 4.0

**PWS 414 - Soil Microbiology** 2.0

**PWS 491R - Undergraduate Seminar** 1.0

**PWS 494R - Mentored Learning Experience** 6.0

**PWS 511 - Environmental Biophysics: Soil and Plant Water Relations** 4.0

**PWS 514 - Soil Microbiology** 2.0

**STAT 121 - Principles of Statistics** 3.0

### MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

### DEPARTMENT INFORMATION

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### ADVISEMENT CENTER INFORMATION

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