### University Core and Graduation Requirements

#### University Core Requirements:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
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<tbody>
<tr>
<td>Religion Cornerstones</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>REL A 250</td>
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<td>Foundations of the Restoration</td>
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<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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<td>The Individual and Society</td>
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<tr>
<td>American Heritage</td>
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<td>3.0-6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
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<td>from approved list</td>
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<td>Skills</td>
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<tr>
<td>First Year Writing</td>
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<tr>
<td>Advanced Written and Oral Communications</td>
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<tr>
<td>Quantitative Reasoning</td>
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<td>Languages of Learning (Math or Language)</td>
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<td>Arts, Letters, and Sciences</td>
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<td>Civilization 1</td>
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<td>Physical Science</td>
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<td>Social Science</td>
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<td>Core Enrichment: Electives</td>
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<td>Religion Electives</td>
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<tr>
<td>Open Electives</td>
<td>Variable</td>
<td>Variable</td>
<td>personal choice</td>
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</table>

#### Graduation Requirements:

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

### Suggested Sequence of Courses

#### FRESHMAN YEAR

1st Semester
- WRTG 150: 3.0
- GEOL 111: 4.0
- CHEM 105 or CHEM 111: 4.0
- Religion Cornerstone course: 2.0
- Total Hours: 13.0

2nd Semester
- American Heritage: 3.0
- Social Science GE: 3.0
- CHEM 106 & 107 or CHEM 112: 3.0-4.0
- MATH 112: 4.0
- Religion Cornerstone course: 2.0
- Total Hours: 15.0-16.0

#### SOPHOMORE YEAR

3rd Semester
- GEOL 210: 3.0
- GEOL 230: 3.0
- MATH 113: 4.0
- Biological Science GE: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 15.0

4th Semester
- GEOL 370: 3.0
- GEOL 375: 3.0
- PHSCS 105: 3.0
- Civilization 1 GE: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.0

#### JUNIOR YEAR

5th Semester
- WRTG 316: 3.0
- GEOL 491R: 0.5
- GEOL 435: 3.0
- Required Environmental Elect 1 (Req 3): 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.5

6th Semester
- GEOL 445: 3.0
- GEOL 491R: 0.5
- Required Environmental Elect 2 (Req 3): 3.0
- STAT 121: 3.0
- Civilization II GE: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.5

7th Semester
- Spring/Summer: 2.0
- GEOL 420: 2.0
- GEOL 421: 2.0
- GEOL 422: 2.0
- Total Hours: 14.5

8th Semester
- GEOL 535: 3.0
- Required Environmental Elect 3 (Req 3): 3.0
- Required Environmental Elect 4 (Req 3): 3.0
- GEOL 491R: 0.5
- Global and Cultural Awareness GE: 3.0
- Letters GE: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.5

9th Semester
- General Elect: 4.0
- Total Hours: 13.5
BS in Environmental Geology (694030)
2020-2021 Program Requirements (69 - 76 Credit Hours)

REQUIREMENT 1 Complete 11 courses
GEOL 111 - Physical Geology 4.0
GEOL 210 - Field Studies 3.0
GEOL 230 - Geological Communications 3.0
GEOL 370 - Sedimentology and Stratigraphy 3.0
GEOL 375 - Structural Geology 3.0
GEOL 420 - Geological Field Methods 2.0
GEOL 421 - Geological Mapping 2.0
GEOL 422 - Geologic Writing 2.0
GEOL 435 - Introduction to Groundwater 3.0
GEOL 445 - Geochemistry 3.0
GEOL 535 - Contaminant Hydrogeology 3.0

REQUIREMENT 2 Complete 2.0 hours from the following course(s)
GEOL 491R - Geology Seminar 0.5
You may take this course up to 4 times.

REQUIREMENT 3 Complete 5 courses

NOTE: PWS LECTURES AND LABS (PWS 282 & 283; PWS 305 & 306; PWS 365 & 366) REQUIRE SEPARATE REGISTRATION AND CAN BE TAKEN SEPARATELY.
CE EN 341 - Elementary Soil Mechanics 3.0
CE EN 414 - Engineering Applications of GIS 3.0
CE EN 431 - Hydrology 3.0
CE EN 451 - Environmental Engineering Processes 3.0
CE EN 514 - Geospatial Environmental Engineering 3.0
CE EN 531 - Principles of Hydrologic Modeling 3.0
CE EN 540 - Geo-Environmental Engineering 3.0
CE EN 547 - Groundwater Modeling 3.0
CE EN 551 - Water Treatment Facilities Design 3.0
CE EN 555 - Environmental Chemistry 3.0
GEOG 313 - Remote Sensing 1 3.0
GEOG 413 - Remote Sensing 2 3.0
GEOL 351 - Mineralogy 4.0
GEOL 352 - Petrology 3.0
GEOL 405 - Applied Mathematics in the Geological Sciences 3.0
GEOL 411 - Geomorphology and Remote Sensing 3.0
PWS 282 - Soil Science 3.0
PWS 283 - Soil Science Laboratory 1.0
PWS 305 - Watershed Ecology 3.0
PWS 306 - Watershed Ecology Laboratory 1.0
PWS 365 - Environmental Microbiology and Biogeochemistry 3.0
PWS 366 - Environmental Microbiology and Biogeochemistry Laboratory 1.0
PWS 375 - Environmental Policies and Laws 3.0

REQUIREMENT 4 Complete 1 option

OPTION 4.1 Complete 3 courses
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

OPTION 4.2 Complete 2 courses
CHEM 111 - Principles of Chemistry 1 4.0
CHEM 112 - Principles of Chemistry 2 3.0

REQUIREMENT 5 Complete 6 courses
MATH 112 - Calculus 1 4.0
MATH 113 - Calculus 2 4.0
PHSCS 105 - General Physics 1 3.0
PHSCS 106 - General Physics 2 3.0
STAT 121 - Principles of Statistics 3.0
WRTG 316 - Technical Communication 3.0

REQUIREMENT 6
Complete a practice version of the American State Board of Geologists fundamentals of geology exam.

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.