## 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>Religion Cornerstones</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<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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<tr>
<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>The Individual and Society</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>
<td>from approved list</td>
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<tr>
<td>Skills</td>
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<tr>
<td>First Year Writing</td>
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<td>3.0</td>
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<tr>
<td>Advanced Written and Oral Communications</td>
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<td>3.0</td>
<td>WRTG 316 recommended</td>
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<tr>
<td>Quantitative Reasoning</td>
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<td>0-3.0</td>
<td>from approved list</td>
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<tr>
<td>Languages of Learning (Math or Language)</td>
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<td>3.0</td>
<td>STAT 121 recommended</td>
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<td>Arts, Letters, and Sciences</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>PWS 100*</td>
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<tr>
<td>Physical Science</td>
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<td>6.0</td>
<td>CHEM 101, GEOL 101 recommended</td>
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<tr>
<td>Social Science</td>
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<td>3.0</td>
<td>ECON 110 recommended</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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</tbody>
</table>

### Graduation Requirements:

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

## Suggested Sequence of Courses

### Freshman Year

**1st Semester**
- Arts or Letters: 3.0
- Physical Science: 3.0
- First-Year Writing or A HTG 100: 3.0
- PWS 115: 1.0
- Quantitative Reasoning (if needed): 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 13.0

**2nd Semester**
- First-Year Writing or A HTG 100: 3.0
- Major elective: 3.0
- Civilization 1: 3.0
- PWS 100: 3.0
- PWS 113: 1.0
- Religion Cornerstone course: 2.0
- Total Hours: 15.0

### Sophomore Year

**3rd Semester**
- PWS 282: 3.0
- PWS 283: 1.0
- PWS 350: 3.0
- Major elective: 3.0
- Lang. of Learning (recommend: STAT 121): 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 15.0

**4th Semester**
- PWS 215: 3.0
- PWS 330: 3.0
- PWS 225: 3.0
- PWS 275: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.0

### Junior Year

**5th Semester**
- PWS 344: 3.0
- PWS 355: 3.0
- PWS 357: 3.0
- Major elective: 3.0
- Religion elective: 2.0
- Total Hours: 17.0

**6th Semester**
- PWS 275: 3.0
- Advanced Written & Oral Communication: 3.0
- Civilization 2: 3.0
- Major elective: 3.0
- Religion elective: 2.0
- Total Hours: 14.0

### Senior Year

**7th Semester**
- PWS 335: 3.0
- PWS 417: 3.0
- PWS 446: 3.0
- PWS 492: 1.0
- Social Science: 3.0
- Religion elective: 2.0
- Total Hours: 15.0

**8th Semester**
- PWS 375: 3.0
- Advanced Written & Oral Communication: 3.0
- Civilization 2: 3.0
- Major elective: 3.0
- Religion elective: 2.0
- Total Hours: 15.0

Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.
REQUIREMENT 1: Complete 20 courses

*PWS 100 - Plants in the Environment 3.0
*PWS 113 - (Not currently offered) 1.0
PWS 115 - Introduction to Wildlife and Wildlands Conservation 3.0
PWS 135 - Safety Certifications for Field Biologists 3.0
PWS 215 - Principles of Range Management 3.0
PWS 225 - Principles of Wildlife and Fisheries Management 3.0
PWS 275 - Genetics and Reproduction 3.0
PWS 282 - Soil Science 3.0
PWS 283 - Soil Science Laboratory 3.0
PWS 230 - Rangeland Plant Identification and Ecology 3.0
PWS 335 - Comparative Animal Nutrition 3.0
PWS 344 - Natural History of Wildlife 3.0
PWS 350 - Rangeland Ecology 3.0
PWS 355 - Rangeland Vegetation Measurements and Analysis 3.0
PWS 357 - Techniques for Wildlife Investigations and Management 3.0
PWS 416 - Rangeland Improvement and Restoration 3.0
PWS 417 - Rangeland Planning and GIS 3.0
PWS 446 - Ornithology 3.0
PWS 447 - Mammals of North America 3.0
PWS 492 - Wildlife and Wildlands Conservation Senior Seminar 1.0

REQUIREMENT 2: Complete 15.0 hours from the following course(s)

**THE DISCIPLINE:**
The wildlife and wildlands conservation major provides the widest range of employment opportunities in the applied ecological fields of wildlife and rangeland resources management. Prescribed courses meet foundation requirements for a wildlife biologist, range conservationist, botanist, and zoologist, as listed in the Federal Register. Graduating students qualify to work for federal and state wildlife and natural resource agencies. Opportunities exist for those with advanced degrees to work as consultants or to be employed with private companies concerned with natural resource management. Additional opportunities are available for students to work in zoos with this degree.

RESEARCH OPPORTUNITIES:
Undergraduates can volunteer to participate in various field and laboratory research projects with faculty and graduate students. Students are often hired to help with research projects and may work part time while in school and full time in the summer months.

INTERNSHIPS, CO-OP ED, PRACTICAL EXPERIENCE:
Numerous opportunities exist for students to gain experience and establish working relationships with federal and state natural resource agencies as well as private organizations. Many agencies will hire students full time during the summer. Students often find permanent employment and opportunities for graduate research by participating in these programs.

HONORARY SOCIETIES AND CLUBS:
Students are encouraged to become associated with the BYU Wildlife and Range Club, which represents the Wildlife Society and the Society for Range Management. The club assists students in attending state and national meetings of these professional societies.
CAREER SELECTIONS:

Recreation Officer – Supervisor of parks, public conferences, talks and tours.


Wildlife Conservation Officer – Collect biological data on wildlife. Monitor availability and condition of wildlife. Enforce game laws, investigate violations of game laws. Public relations include speaking to school and civic groups about game laws, availability of game, conservation, etc.


Others – Include Botanist, Zoologist.

See faculty advisor for additional career choices.

FINANCING:

Students in this major may apply for university, college, and departmental scholarships. A limited number of research or teaching assistant positions for undergraduate students also exist.

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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