### 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>
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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>The Eternal Family</td>
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<td>The Individual and Society</td>
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<tr>
<td>American Heritage</td>
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<tr>
<td>Global and Cultural Awareness</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>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>Civilization 2</td>
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<td>Core Enrichment: Electives</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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#### Graduation Requirements:

- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0
## Minor in Microbiology (285102)

### 2021-2022 Program Requirements (15 - 19 Credit Hours)

**Note:** Prerequisites for the following courses are required. They should be filled for students in a coupled major.

**REQUIREMENT 1** Complete 3 courses
- MMBIO 151 - Introduction to Microbiology 4.0
- MMBIO 240 - Molecular Biology 3.0
- MMBIO 261 - Infection and Immunity 3.0

**REQUIREMENT 2** Complete 2 courses
- MMBIO 360 - Microbial Genetics 4.0
- MMBIO 363 - Microbial Ecology 2.0
- MMBIO 364 - Bacterial Pathogenesis 3.0
- MMBIO 418 - Medical Parasitology 2.0
- MMBIO 461 - Advanced Bacterial Physiology 3.0
- MMBIO 463 - Immunology 3.0
- MMBIO 465 - Virology 3.0

**REQUIREMENT 3** Complete 1 course
- MMBIO 365 - Bacterial Pathogenesis Laboratory 1.0
- MMBIO 366 - Microbial Ecology Laboratory 1.0
- MMBIO 420 - Not currently offered
- MMBIO 466 - Virology Laboratory 1.0
- MMBIO 467 - Immunology Lab 1.0

### Upper Level Courses

- **REQUIREMENT 3** Also fulfills Requirement 3. See Advisement Center.

### 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

Department of Microbiology and Molecular Biology
Brigham Young University
4007 Life Sciences Building
Provo, UT 84602
Telephone: (801) 422-1102

### Advisement Center Information

Life Sciences Advisement
Brigham Young University
2060 Life Sciences Building
Provo, UT 84602
Telephone: (801) 422-3042
lifesciences@byu.edu

### Course Descriptions

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