ZOOLOGY: SECONDARY TEACHER CERTIFICATION, BS

**Example Plan of Study**

**Finish in Four Plan of Study**

The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td><strong>Freshman</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>A&amp;S 1111</td>
<td>A&amp;S First Year Seminar</td>
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<tr>
<td>ENGL 1113 or ENGL 1313</td>
<td>Composition I or Critical Analysis and Writing I</td>
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<tr>
<td>MATH 1813</td>
<td>Preparation for Calculus (A)</td>
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<td>BIOL 1113 &amp; BIOL 1111</td>
<td>Introductory Biology (N) and Introductory Biology Laboratory (LN)</td>
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<tr>
<td>SMED 1012</td>
<td>Inquiry Approaches to Teaching</td>
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<td>General Education courses</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>ENGL 1213 or ENGL 1413</td>
<td>Composition II or Critical Analysis and Writing II</td>
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<td>CHEM 1314</td>
<td>Chemistry I (LN)</td>
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<td>Animal Biology</td>
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<td>CHEM 1515</td>
<td>Chemistry II (LN)</td>
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<td>PBIO 1404</td>
<td>Plant Biology (LN)</td>
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<td>PHIL 3933</td>
<td>Creation and Evolution</td>
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<tr>
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<td>BIOL 3104</td>
<td>Invertebrate Zoology</td>
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<td>PHYS 1114 or PHYS 2014</td>
<td>College Physics I (LN) or University Physics I (LN)</td>
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<tr>
<td>SPED 3202</td>
<td>Educating Exceptional Learners (D)</td>
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<td>SMED 3013</td>
<td>Knowing and Learning in Mathematics and Science</td>
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<td>General Education and Major courses</td>
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<td>BIOL 3023</td>
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<td>MICR 3033</td>
<td>Cell and Molecular Biology</td>
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<td>SMED 4013</td>
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<td>BIOL 4133</td>
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<td>Authentic Research in the Science Classroom</td>
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<td>Teaching the Nature of Science Through an Inquiry Approach</td>
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<td>Major, College, and Elective courses</td>
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<td>BIOL 3034</td>
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<td>STAT 4013 or STAT 2013</td>
<td>Statistical Methods I (A) or Elementary Statistics (A)</td>
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<td>Problem-Based Learning in Mathematics and Science</td>
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<td>Teaching and Learning Science in the Secondary School</td>
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<td>Internship in the Secondary Classroom</td>
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<td>Senior Seminar in Secondary Mathematics and Science Education</td>
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