# Post-Baccalaureate Teacher Certification Plan
## Life Sciences 7-12

This plan has a content waiver option based on passing the content state assessment on the first attempt. See a College of Education (COE) adviser for details.

Check prerequisites before enrolling in any courses.

## Certificate Plan Requirements

### Academic Specialization Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1306</td>
<td>Biology for Science Majors I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1106</td>
<td>Laboratory for Biology for Science Majors I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1307</td>
<td>Biology for Science Majors II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1107</td>
<td>Laboratory for Biology for Science Majors II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1311</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1111</td>
<td>Laboratory for General Chemistry I</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1312</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1112</td>
<td>Laboratory for General Chemistry II</td>
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<tr>
<td>BIOL 3341</td>
<td>Molecular Genetics</td>
<td>3</td>
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**Choose one:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 3311</td>
<td>Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3333</td>
<td>Environmental Biology</td>
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### Pedagogy:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>TCED 4362</td>
<td>Methods in Secondary Science</td>
<td>3</td>
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</table>

**Choose one of two sets:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>TCED 4378</td>
<td>Pre-Service Internship I</td>
<td>3</td>
</tr>
<tr>
<td>TCED 4978</td>
<td>Pre-Service Internship II/Clinical Teaching</td>
<td>9</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCED 4678</td>
<td>Post-Degree Internship I</td>
<td>6</td>
</tr>
<tr>
<td>TCED 4679</td>
<td>Post-Degree Internship II/Student Teaching</td>
<td>6</td>
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</table>

### Other required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLLS 4311</td>
<td>Survey of Reading</td>
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<tr>
<td>LLLS 4351</td>
<td>Reading in Content Subjects</td>
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<tr>
<td>SPED 4300</td>
<td>Survey of Exceptionalities</td>
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<td>TCED 4102</td>
<td>Secondary (4-8 and 7-12) Content Teacher Seminar</td>
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<tr>
<td>TCED 4306</td>
<td>Creating Positive Learning Environments in 7-12</td>
<td>3</td>
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</table>