Master of Arts in Teaching  
Secondary Education  
Undergraduate Content Competencies  
Biology Endorsement (grades 6-12)

This form is to notify MAT candidates of the content competency areas that are required for the Virginia Teaching Licensure and assist you in completing these requirements.

**Student Information**

<table>
<thead>
<tr>
<th>(Last Name)</th>
<th>(First Name)</th>
<th>(Student ID)</th>
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<tbody>
<tr>
<td>Bachelor's Degree:</td>
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**Guidelines**

1. Candidates should have completed a bachelor’s degree with a major in Biology, or a degree in a related field with courses similar to those required for a Bachelor's degree in Biology. Candidates must have at least the equivalent of a minor (minimum of 15 semester hours) in a related field prior to admissions to the program (Gate 1).

2. Candidates must document a minimum of 30 semester hours of Biology content courses spread throughout the five areas below OR a degree in another science discipline and at least 18 hours in the biology areas below.

3. Courses from a Bachelor’s and/or Post-baccalaureate degree, including CLEP/DANTES, can satisfy the competencies.

4. Every subject in each area requires at least one course in order to be considered complete. One course may be used for more than one competency; however the credit hours may only be counted once towards the overall total. *Duplicate content may not be used to fulfill Content Competencies.

5. Any Incomplete Competencies displayed in this must be completed prior to student teaching.

6. Passing Praxis II scores must be submitted with the Gate 3 packet prior to student teaching.

**Helpful Contact Info**

contentcompevals@liberty.edu  
gate2@liberty.edu  
gate3@liberty.edu  
educ@liberty.edu  
PH: 1-800-424-9595

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**AREA**

<table>
<thead>
<tr>
<th>Competency</th>
<th>Course # and Title</th>
<th>Institution</th>
<th>Credit Hours</th>
<th>Met</th>
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</thead>
<tbody>
<tr>
<td>Genetics/Molecular Biology</td>
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<td>Botany</td>
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<td>Zoology</td>
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<tr>
<td>Anatomy/Physiology</td>
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<td>Ecology</td>
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<tr>
<td>Electives</td>
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**Add-On Earth Science**

To add on an endorsement in Earth Science, students must have earned an endorsement in another science discipline and completed at least 18 credits in Earth sciences, including coursework in each of the following areas: geology, oceanography, meteorology, and astronomy.

**Add-On Physics**

To add on an endorsement in Physics, students must have earned an endorsement in another science discipline and completed at least 18 credits in physics, including coursework in each of the following areas: mechanics, electricity and magnetism, and optics.

**Total Hours:** 0  
**Required Hours:** 30

**Status:** INCOMPLETE

**Evalutaor:**  
**Date:**  
**Update:**

Note: All courses must have a prefix that matches the discipline of the competency.

**Please see incompletes listed above.

**Grade Requirements:** All content competencies must receive a final grade of C or higher.

7.30.19