This roadmap is a suggested semester-by-semester planning guide for this major. It is a model four-year plan, not a guaranteed sequence or contract. Course availability may vary from semester to semester. Roadmaps are not meant to cover every possibility. They are intended to provide guidance in planning your academic path. Roadmaps should be reviewed in consultation with your advisor.

**KEY**

<table>
<thead>
<tr>
<th>Course Subject and Number:</th>
<th>Lists the course subject and number (ex. MATH 111; ARTH 101).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Hrs:</td>
<td>Lists how many credit hours the course is worth. Courses listed with a range of credit hours depend on course selection.</td>
</tr>
<tr>
<td>Min. Grade:</td>
<td>Lists if the major has a minimum grade requirement for this course.</td>
</tr>
<tr>
<td>Critical:</td>
<td>TIME = Timing. This course must be completed in the semester listed to ensure a timely graduation.</td>
</tr>
<tr>
<td>GenEd</td>
<td>Indicates whether or not this major course can also fulfill a general education requirement.</td>
</tr>
<tr>
<td></td>
<td>ENGL: GenEd First Year Writing</td>
</tr>
<tr>
<td></td>
<td>FLANG: GenEd Foreign Language</td>
</tr>
<tr>
<td></td>
<td>HIST: GenEd History</td>
</tr>
<tr>
<td>Course Notes:</td>
<td>Lists important information about the course or the timing of the course.</td>
</tr>
</tbody>
</table>

**General Education Requirement**

- **First-Year Writing:** Complete English (ENGL) 110, Introduction to Academic Writing, or one of the approved course credit combinations satisfying the first-year writing general education requirement.
- **Math/Logic:** Complete 6 credit hours from the list of approved courses satisfying the math or logic general education requirement.
- **Foreign Language:** Complete the 202-level or its equivalent or demonstrate proficiency at that level of an approved course satisfying the foreign language general education requirement.
- **Natural Science:** Complete 8 credit hours of an introductory or higher sequence (of which 2 credit hours must be earned in the accompanying laboratories) from the list of approved course sequences satisfying the natural science general education requirement.
- **History:** Complete one course in pre-modern history and one course in modern history from the list of approved courses satisfying the history general education requirement (6 credit hours). The two courses do not have to be taken from the same department or in sequence.
- **Social Sciences:** Complete 6 credit hours from the list of approved courses satisfying the social science general education requirement.
- **Humanities:** Complete 12 credit hours from the list of approved courses satisfying the humanities general education requirement with no more than 6 credit hours with the same acronym.
- **General Education Resources:** Approved course listings for each requirement can be found on: [http://registrar.cofc.edu/general-edu/index.php](http://registrar.cofc.edu/general-edu/index.php)

**Degree Requirements**

<table>
<thead>
<tr>
<th>Minimum GPA</th>
<th>Minimum Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>Cumulative</td>
</tr>
<tr>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>122 credit hours</td>
</tr>
</tbody>
</table>

Additional hours are required for earning more than one degree. Consult your [academic catalog](http://registrar.cofc.edu/general-edu/index.php).
For additional information on course descriptions, pre-requisites and degree requirements for this major, please consult your [Undergraduate Catalog](#).

### First Year

#### Semester One

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>3</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CHEM 111L</td>
<td>1</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>MATH XXX</td>
<td>3-4</td>
<td></td>
<td></td>
<td>MATH</td>
<td>Either MATH 120, MATH 250 or placement as needed</td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>General Education Requirement</td>
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<tr>
<td>General Education Requirement</td>
<td>3-4</td>
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<td></td>
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<td>Optional</td>
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</table>

#### Semester Two

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 112</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 112L</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 111</td>
<td>3</td>
<td></td>
<td></td>
<td>NATSCI</td>
<td></td>
</tr>
<tr>
<td>BIOL 111L</td>
<td>1</td>
<td></td>
<td></td>
<td>NATSCI</td>
<td></td>
</tr>
<tr>
<td>MATH XXX</td>
<td>3-4</td>
<td></td>
<td></td>
<td>MATH</td>
<td>Either MATH 120, MATH 250 or placement as needed</td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td>Optional</td>
</tr>
</tbody>
</table>

#### First Year Notes

**Note 1:** The General Education First-Year Writing requirement should be completed within the first or second semester.

**Note 2:** First-Year Experience Requirement: All entering students with less than one year of college experience are required to complete a [First-Year Experience](#) (First-Year Seminar (FYSM), a Learning Community (LC), or an Honors College First-Year Experience course) within their first three consecutive academic terms.

**Note 3:** BIOL 111/111L and BIOL 112/112L are offered both Fall and Spring semesters. If you are unable to enroll in BIOL 111/111L in Fall semester, you can enroll in this course in Spring semester, and subsequently take BIOL 112 either in Summer or Fall semester.
### Second Year

#### Semester Three

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 221</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>MATH 120</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>If not taken during first year</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>3</td>
<td></td>
<td></td>
<td>NATSCI</td>
<td></td>
</tr>
<tr>
<td>BIOL 112L</td>
<td>1</td>
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<td>NATSCI</td>
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</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
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<tr>
<td>General Education Requirement</td>
<td>3-4</td>
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<td></td>
<td>Optional</td>
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</table>

#### Semester Four

<table>
<thead>
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<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
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</thead>
<tbody>
<tr>
<td>GEOL 1XX</td>
<td>3-4</td>
<td></td>
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<td></td>
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<tr>
<td>BIOL 211</td>
<td>4</td>
<td></td>
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<tr>
<td>BIOL 305</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>BIOL 305L not needed for this degree</td>
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<tr>
<td>MATH 250</td>
<td>3</td>
<td></td>
<td></td>
<td>TIME</td>
<td>If not taken during first 3 terms; Math 250 is a co- or prerequisite for all 300-level and higher BIOL courses</td>
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<tr>
<td>General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

#### Second Year Notes

- **Note 1:** MATH 250 should be completed by the end of the second year to avoid problems with registering for 300+ BIOL courses in the third year.

- **Note 2:** Several upper-division BIOL courses require a year of CHEM coursework as a prerequisite.

- **Note 3:** If you are considering independent studies/research in your Junior or Senior years, you should have conversations with potential faculty mentors this year.

- **Note 4:** Students may choose to take CHEM 231/231L and CHEM 232/232L in place of CHEM 221. This moves GEOL to 3rd year.
### Third Year

#### Semester Five

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 341, 342 or 335</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Required for major</td>
</tr>
<tr>
<td>BIOL 300+ Elective</td>
<td>3-4</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 101 or 111</td>
<td>4</td>
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<td></td>
<td></td>
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<tr>
<td>General Education Requirement</td>
<td>3-4</td>
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#### Semester Six

<table>
<thead>
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<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 337</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Required for major; typically only offered during spring term</td>
</tr>
<tr>
<td>PHYS 102 or 112</td>
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<tr>
<td>General Education Requirement or General Elective</td>
<td>3-4</td>
<td>3-4</td>
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</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
<td></td>
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<td></td>
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<tr>
<td>General Elective</td>
<td>3-4</td>
<td></td>
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</tr>
</tbody>
</table>

#### Third Year Notes

Note 1: Students must take at least 4 BIOL laboratory courses at the 300+ level for the BS Marine Biology degree, as well as 19 credit hours of BIOL 300+ coursework (in addition to BIOL 305).
### Fourth Year

#### Semester Seven

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 341, 342, or 335</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education Requirement or General Elective</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td>Required for major</td>
</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
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<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Semester Eight

<table>
<thead>
<tr>
<th>Course Subject and Number</th>
<th>Credit Hrs.</th>
<th>Min. Grade</th>
<th>Critical</th>
<th>GenEd</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 341, 342, or 335</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education Requirement or General Elective</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td>Required for major</td>
</tr>
<tr>
<td>General Education Requirement or General Elective</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
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<td></td>
</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Fourth Year Notes

Note 1: Don’t forget to apply for graduation in MyCharleston!