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.**

<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>HUMS: GenEd Humanities</td>
</tr>
<tr>
<td></td>
<td>FLANG: GenEd Foreign Language</td>
</tr>
<tr>
<td></td>
<td>MATH: GenEd Math</td>
</tr>
<tr>
<td></td>
<td>HIST: GenEd History</td>
</tr>
<tr>
<td></td>
<td>NATSCI: GenEd Natural Science</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:** Completion of MATH 120 or HONS 115 or transfer credit for any one of MATH 220, MATH 221, MATH 323 (any of which requires the comprehension of the content of MATH 120/HONS 115); or 6 credit hours from the remaining list of approved courses satisfying the math/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 in the Undergraduate Catalog ([http://catalog.cofc.edu/](http://catalog.cofc.edu/)).

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>Minimum GPA</th>
<th>Minimum Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Major</td>
<td>Cumulative</td>
</tr>
<tr>
<td></td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<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://catalog.cofc.edu/).
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>GEOL 103 including Lab</td>
<td>4</td>
<td></td>
<td></td>
<td>NATSCI</td>
<td>Pre-req for GEOL 105</td>
</tr>
<tr>
<td>MATH 111</td>
<td>4</td>
<td></td>
<td></td>
<td>MATH</td>
<td>Pre-req for CHEM 111, MATH 120</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></td>
</tr>
</tbody>
</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>GEOL 105 including Lab</td>
<td>4</td>
<td></td>
<td></td>
<td>NATSCI</td>
<td>Pre-req for upper level Geology Classes</td>
</tr>
<tr>
<td>MATH 250</td>
<td>4</td>
<td></td>
<td></td>
<td>MATH</td>
<td></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>(NEEDED IF STUDENT NEEDS 30 TOTAL HOURS IN THE FIRST YEAR)</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: It is important to take Math and start a Foreign Language as soon as possible and continue the courses without a break to achieve the greatest success.

Note 4: Be sure you meet course load requirements for any scholarships you may have; most require 30 hours a year. If you have trouble meeting that goal, they count from August to August and thus you can take summer courses to make up the credits if you need to.

**SUMMER TERM:** The introductory courses in geology, biology, chemistry, physics, math, and also General Education courses are offered during Summer terms. In particular it is useful to take a summer class if you feel you are behind schedule. One could also significantly lighten their academic year burden, and graduate early through the judicious use of summer terms. In general, except for study abroad courses, upper level geology courses are not offered in the summer either at the College of Charleston or at other colleges.
# 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>GEOL 256</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Pre-req for GEOL 441 (Pollution in the Environment)</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>4</td>
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<td>Pre/Co-req for GEOL 256</td>
</tr>
<tr>
<td>GEOL Elective</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></td>
</tr>
</tbody>
</table>

## Semester Four

<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>GEOL 291</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Pre-req for GEOL 441 (Pollution in the Environment)</td>
</tr>
<tr>
<td>GEOL 250 or CHEM 112</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Pre-req for GEOL 441 (Pollution in the Environment)</td>
</tr>
<tr>
<td>GEOL 272 or Geology Elective</td>
<td>3-4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>GEOL Elective or General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

## Second Year Notes

Note 1: Look into research opportunities in the department. All faculty focus on mentoring undergraduate research, especially in the summer. GEOL 397 (Research Experiences in Geology) is a zero-credit course that is useful for such cases and it will be recorded on your transcript; this is important to show employers or graduate schools you have experience outside the classroom.

Note 2: Beginning the core courses as soon as possible will provide information on which aspects of the geosciences you prefer. Also, take Geology electives as early as you can—the more experience you have in geology the better you will be able to make career decisions.

Note 3: Foreign language? If you haven't started already, it is important that you start as soon as possible.

Note 4: Be sure you meet course load requirements for any scholarships you may have; most require 30 hours per year, including summers. If you have to drop a course and plan on taking it later, remember that upper level Geology courses are not offered in the summers.

Note 5: There is room for a minor or a double major. The courses listed represent the minimum courses needed each semester and assume no overlap between a minor or second major and the general education requirements. However, to get a minor or a double major, it generally should be declared as early as possible to balance the course load.
### 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>GEOL 352</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 101 or 111, or BIOL 101 or 111</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>Students choose 1 of the 2 General Education sequences, PHYS or BIOL</td>
</tr>
<tr>
<td>GEOL Elective</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></td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
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</tr>
</tbody>
</table>

#### Semester Six

<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>GEOL 272 or GEOL 333</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>GEOL Elective</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 102 or 112, or BIOL 102 or 112</td>
<td>4</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>GEOL 492 or GEOL Elective</td>
<td>1, or 3-4</td>
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<td></td>
<td></td>
<td>GEOL 492 (Senior Seminar) usually offered both semesters. Second-semester juniors should consider enrolling.</td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Third Year Notes

Note 1: Look into research opportunities in the department. A good way to get good research experience is to do an independent study with a professor in the Spring and carry that research over into the summer.

Note 2: Be sure you meet course load requirements for any scholarships you may have; most require 30 hours a year. If you have trouble meeting that goal, they count from August to August and thus you can take summer courses to make up the credits if you need to. If you have to drop a course and plan on taking it in the summer, remember that upper level Geology courses are not offered in the summers.

Note 3: If you plan to attend graduate school, studying for and taking the GRE the summer before your last year will reduce your stress load in the fall. Consider taking GEOL 492 (Senior Seminar) during Spring of your junior year. This is a 1-credit prep course for graduate school application or job searching. It is also offered during Fall semesters.
### 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>GEOL 492 or GEOL Elective</td>
<td>1</td>
<td></td>
<td>TIME</td>
<td></td>
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</tr>
<tr>
<td>General Elective</td>
<td>3-4</td>
<td></td>
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</tr>
<tr>
<td>GEOL Elective or GEOL 303 or GEOL 491</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td>Independent Study or Senior Thesis</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>
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</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>GEOL 333 or GEOL Elective</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOL Elective or GEOL 491</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td>Senior Thesis</td>
</tr>
<tr>
<td>General Elective</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></td>
</tr>
</tbody>
</table>

#### Fourth Year Notes

Note 1: GEOL 491 (Senior Thesis) is an excellent opportunity to get credit for research projects with faculty. Successfully completing research projects will set you apart from other B.A. graduates.

Note 2: Graduate School applications are generally due between Dec 1 and Feb 1. The GRE should be taken no later than November (summer prior would be better).

Note 3: Don’t forget to apply to graduate in MyCharleston.