



This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.

| Critical | Course Subject and Title | Credit Hours | Min. Grade ¹ | Major GPA ² | Code | Prerequisites | Notes |
|--|--|--------------|-------------------------|------------------------|------------------|--|-------|
| Semester One (17 Credit Hours) | | | | | | | |
| ! | ENGL 101 Critical Reading and Composition | 3 | C | | CC-CMW | | |
| | BIOL 101 & 101L – Biological Principles I or MSCI 101 The Ocean Environment | 4 | | | CC-SCI | | |
| | ENVR 101 & 101L – Introduction to the Environment or GEOL 101 Introduction to the Earth or GEOL 201 Observing the Earth (<i>fall only</i>) or GEOG 201 Landform Geography | 4 | | | PR | | |
| | UNIV 101 The Student in the University or Carolina Core Requirement ³ | 3 | | | PR/CC | | |
| | Carolina core Requirement ³ | 3 | | | CC | | |
| Semester Two (16-17 Credit Hours) | | | | | | | |
| ! | ENGL 102 Rhetoric and Composition | 3 | C | | CC-CMW CC-INF | C or better in ENGL 101 | |
| | MATH 122 Calculus for Bus. Admin. & Soc. Sciences or MATH 141 Calculus I | 3-4 | C | | CC-ARP | MATH 111/111i/115 (<i>MATH 122</i>); MATH 115 (<i>MATH 141</i>); or placement through the MAP | |
| | BIOL 102 & 102L – Biological Principles II or MSCI 102 The Living Ocean | 4 | | | CC-SCI | | |
| | Carolina Core Social Science (<i>POLI 201 American National Government is strongly encouraged</i>) | 3 | | | CC-GSS | | |
| | Foreign language ⁵ or other Carolina Core Requirement ³ | 3 | | | CC-GFL | | |
| Semester Three (17-18 Credit Hours) | | | | | | | |
| | MATH 142 Calculus II or MATH 170 Finite Mathematics or MATH 172 Math. Modeling for the Life Sciences or MATH 174 Discrete Math. for Computer Science | 3-4 | C | | CC-ARP | See Bulletin Listing | |
| | ENVR 201 Environmental Science & Policy I (<i>fall only</i>) | 4 | C | | MR/CC- INT | Sophomore Standing | |
| | CHEM 111 & 111L – General Chemistry I or CHEM 141 Principles of Chemistry I | 4 | | | PR | C or better in MATH 115 or MAP score (<i>CHEM 111 & Lab</i>); C or better in MATH 141 or MAP score (<i>CHEM 141</i>) | |
| | Social Science | 3 | | | CR | | |
| | Foreign language ⁵ or other Carolina Core Requirement ³ | 3 | | | CC-GFL | | |
| Semester Four (17 Credit Hours) | | | | | | | |
| | ENVR 202 Envir. Science and Policy II (<i>spring only</i>) | 4 | C | | MR/CC- INT | | |
| | CHEM 112 & 112L – General Chemistry II or CHEM 142 Principles of Chemistry II | 4 | | | PR | C or better in CHEM 111 and MATH 111, 115 or higher math; Prereq or Coreq: MATH 122, 141 or higher math (<i>CHEM 112 & Lab</i>); C or higher in CHEM 141 (<i>CHEM 142</i>) | |
| | Carolina Core Requirement ³ or Elective ⁶ | 3 | | | CC/PR | | |
| | History ⁶ | 3 | | | CR | | |
| | Foreign language ⁵ or Carolina Core Requirement ³ | 3 | | | CR/CC | | |
| Semester Five (14 Credit Hours) | | | | | | | |
| | Environmental Science Major Course ⁸ | 3 | | | MR | | |
| | PHYS 201 & 201L – General Physics I or PHYS 211 & 211L – Essentials of Physics I | 4 | | | PR | C or better in MATH 111/111i/112/ 115/116/122/141 or higher (<i>PHYS 201</i>); MATH 141 (<i>PHYS 211</i>) | |
| | Environmental Science Major Course ⁷ | 4 | C | | MR | | |
| | Carolina Core Requirement ³ or Elective ⁶ | 3 | | | CC/PR | | |

| Semester Six (16 Credit Hours) | | | | | | |
|--|-----|---|--|----|---|--|
| Environmental Science Major Course ⁷ | 3 | C | | MR | | |
| Environmental Science Major Course ⁷ | 4 | C | | MR | | |
| CSCE 106 Scientific Applications Programming or higher-level CSCE course or MSCI 305 Ocean Data Analysis or MSCI 509 MATLAB-Based Data Analysis in Ocean Sciences | 3 | | | CR | See Bulletin listing | |
| STAT 515 Statistical Methods I | 3 | | | CR | C or higher in MATH 112, 115, 122 or 141; or both C or better in STAT 110 or higher and C or better in MATH 111; or placement through the MAP | |
| Elective ⁶ | 3 | | | PR | | |
| Semester Seven (12 Credit Hours) | | | | | | |
| Environmental Science Major Course ⁷ | 3 | C | | MR | | |
| Environmental Science Major Course ⁷ | 3 | C | | MR | | |
| Elective ⁶ | 3 | | | PR | | |
| Humanities or Fine Arts | 3 | | | CR | | |
| Semester Eight (14-16 Credit Hours) | | | | | | |
| Environmental Science Major Course ⁷ | 2 | C | | MR | | |
| Elective ⁶ | 3 | | | PR | | |
| Elective ⁶ | 3 | | | PR | | |
| Elective ⁶ | 3 | | | PR | | |
| Elective ⁶ | 3 | | | PR | | |
| Elective ⁶ (only if needed to meet hours to graduate) | 0-2 | | | PR | | |

Graduation Requirements Summary

| Minimum Total Hours | Minimum Major Requirements Hours | College & Program Requirements Hours | Carolina Core Hours | Minimum Institutional GPA |
|---------------------|----------------------------------|--------------------------------------|---------------------|---------------------------|
| 128 | 30 | 52-66 | 32-46 | 2.000 |

- Regardless of individual course grades, students must maintain a minimum 2.000 cumulative GPA.
- Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the major GPA for this program of study.
- The [Carolina Core](#) provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
- Students in the College of Arts and Sciences are required to demonstrate proficiency in one foreign language equivalent to the 122 course through course credit or the corresponding foreign language placement score.
- The College of Arts and Sciences requires one U.S. History and one non-U.S. History course, both of which must be chosen from the approved Carolina Core GHS courses. Whichever is not fulfilled through the Carolina Core GHS requirement must be fulfilled through this college requirement.
- No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.
 - Environmental Science Major Courses (22-27 hours): Interdisciplinary Breadth Requirement (7-8 hours): students must choose 2 categories from below:
 - Geography Category: GEOG 202 or GEOL 335
 - Geology Category: GEOL 310 or GEOL 315
 - Biology/ENHS Category: BIOL 301 OR ENHS 660
 - Culminating Experience (2-4 hours): students must choose one of the following: **ENVR 480**; **ENVR 460** or **MSCI 460**; any 500+ level major elective course, or **ENVR/GEOL/MSCI 495**.
 - Concentration course (13-15 hours):
 - Science Concepts (10-12 hours): **GEOL 315, 325, 371, 501, 570**; **GEOG 347, 547, 549**; **ECIV 350, 360, 362**; **ENHS 321, 660**
 - Environment & Society (3 hours): **ENVR 348, 517, 534**; **GEOG 321, 346, 516, 530**; **MSCI 390**; **POLI 478**

Program Notes:

- Courses identified as "critical" must be completed in the student's first 60 semester hours of work in order for these courses to be credited toward graduation.
- All undergraduate students must take a 3-credit course or its equivalent with a passing grade that covers the founding documents. This course may fulfill any requirement in the program of study. Courses that meet this requirement are listed in the academic bulletin.
- Environmental Science majors may enroll in a major course a maximum of twice to earn the required grade of C or higher. For the purposes of progression, withdrawal with a W does not constitute enrollment.
- The last 30 credit hours toward your degree must be earned in residence at the University of South Carolina-Columbia.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the [Carolina Core](#) page on the University website.

| Codes: | | | |
|---------------|--|---------------|---|
| CC | Carolina Core | CC-INF | Carolina Core – Information Literacy |
| CC-AIU | Carolina Core-Aesthetic and Interpretive Understanding | CC-INT | Carolina Core – Integrative Course |
| CC-ARP | Carolina Core-Analytical Reasoning and Problem-Solving | CC-SCI | Carolina Core – Scientific Literacy |
| CC-CMS | Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component | CC-VSR | Carolina Core – Values, Ethics, and Social Responsibility |
| CC-CMW | Effective, Engaged, and Persuasive Communication: Written Component | CR | College Requirement |
| CC-GFL | Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language | MR | Major Requirement |
| CC-GHS | Carolina Core – Historical Thinking | PR | Program Requirement |
| CC-GSS | Carolina Core – Social Sciences | | |

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.