



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 <sup>1</sup>	Major GPA <sup>2</sup>	Code	Prerequisites	Notes
<b>Semester One (17 Credit Hours)</b>							
!	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 Intro. 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	C		PR		
	UNIV 101 The Student in the University or Carolina Core Requirement <sup>3</sup>	3			PR/CC		
	Carolina core Requirement <sup>3</sup>	3			CC		
<b>Semester Two (16-17 Credit Hours)</b>							
!	ENGL 102 Rhetoric and Composition	3	C		CC-CMW CC-INF	C or better in ENGL 101	
	MATH 122 Calculus for Bus. Admin. & Soc. Sci. or MATH 141 Calculus I	3-4	C		CC-ARP	C or better in MATH 111/111i/115 (MATH 122); C or better in MATH 112/115/116 (MATH 141); or placement through the MAP	
	BIOL 102 & 102L Biological Principles II or MSCI 102 The Living Ocean	4			CC-SCI		
	Carolina Core Social Science (POLL 201 American National Government is strongly encouraged)	3			CC-GSS		
	Foreign language <sup>4</sup> or other Carolina Core Req. <sup>3</sup>	3			CC-GFL		
<b>Semester Three (17-18 Credit Hours)</b>							
	MATH 142 Calculus II or MATH 170 Finite Mathematics or MATH 172 Math. Modeling for the Life Sci. or MATH 174 Discrete Math. for Computer Sci.	3-4	C		CC-ARP	See Bulletin Listing	
	ENVR 201 Environmental Science & Policy I ( <i>fall only</i> )	4	C		MR/CC-INT		
	CHEM 111 & 111L General Chemistry I or CHEM 141 & 141L Principles of Chemistry I	4	C		PR	C or higher in MATH 111 or higher (or by placement into MATH 115 or higher) (CHEM 111 & Lab); C or higher in MATH 111 or by placement into MATH 115 or higher MATH; C or higher in CHEM 141L (CHEM 141 & Lab)	
	Social Science	3			CR		
	Foreign language <sup>4</sup> or other Carolina Core Req. <sup>3</sup>	3			CC-GFL		
<b>Semester Four (17 Credit Hours)</b>							
	ENVR 202 Envr. Science & Policy II ( <i>spring only</i> )	4	C		MR/CC-INT		
	CHEM 112 & 112L General Chemistry II or CHEM 142 & 142L Principles of Chemistry II	4	C		PR	C or higher in MATH 111 or higher MATH (or by placement score into MATH 115 or higher); C or higher in CHEM 111L or CHEM 141L (CHEM 112 & Lab); C or higher in MATH 115 (or by placement score into MATH 141 or higher); C or higher in CHEM 141 or CHEM 112; C or higher in CHEM 142L (CHEM 142 & Lab)	
	Carolina Core Requirement <sup>3</sup> or Elective <sup>5</sup>	3			CC/PR		
	History <sup>6</sup>	3			CR		
	Foreign language <sup>4</sup> or Carolina Core Req. <sup>3</sup>	3			CR/CC		
<b>Semester Five (14 Credit Hours)</b>							
	Environmental Science Major Course <sup>7</sup>	3	C		MR		
	PHYS 201 & 201L General Physics I or PHYS 211 & 211L Essentials of Physics I	4	C		PR	C or better in MATH 111/111i/112/115/ 116/122/141 or by placement into MATH 122, 141 or higher (PHYS 201); C or better in MATH 141 (PHYS 211)	
	Environmental Science Major Course <sup>7</sup>	4	C		MR		
	Carolina Core Requirement <sup>3</sup> or Elective <sup>5</sup>	3			CC/PR		

<b>Semester Six (16 Credit Hours)</b>					
Environmental Science Major Course <sup>7</sup>	3	C		MR	
Environmental Science Major Course <sup>7</sup>	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 better in MATH 112/115/122 or 141; or both C or better in STAT 110 or higher and in MATH 111; or placement through the MAP
Elective <sup>5</sup>	3			PR	
<b>Semester Seven (15 Credit Hours)</b>					
Environmental Science Major Course <sup>7</sup>	3	C		MR	
Environmental Science Major Course <sup>7</sup>	3	C		MR	
Elective <sup>5</sup>	3			PR	
Elective <sup>5</sup>	3			PR	
Humanities or Fine Arts	3			CR	
<b>Semester Eight (14-16 Credit Hours)</b>					
Environmental Science Major Course <sup>7</sup>	2	C		MR	
Elective <sup>5</sup>	3			PR	
Elective <sup>5</sup>	3			PR	
Elective <sup>5</sup>	3			PR	
Elective <sup>5</sup>	3			PR	
Elective <sup>5</sup> (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

1. Regardless of individual course grades, students must maintain a minimum 2.000 cumulative GPA.
2. 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.
3. The [Carolina Core](#) provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
4. Students in the McCausland 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.
5. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the McCausland College of Arts and Sciences. The McCausland 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 McCausland College of Arts and Sciences.
6. The McCausland 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.
7. Environmental Science Major Courses (22-27 hours):
  - a. Interdisciplinary Breadth Requirement (7-8 hours): students must choose 2 categories from below:
    - i. Geography Category: GEOG 202 or GEOL 335
    - ii. Geology Category: GEOL 310 or GEOL 315
    - iii. Biology/ENHS Category: BIOL 301 OR ENHS 660
  - b. 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.**
  - c. Concentration course (13-15 hours):
    - i. Science Concepts (10-12 hours): **BIOL 301, 301L, 420, 510, 526, 527, 528, 534, 536, 537, 538, 570, 571, 572, 574, 599; ENVR 316; MSCI 311, 575, 577, 578; GEOG 348**
    - ii. Environment & Society (3 hours): **ENVR 322, 331, 517, 534, 538, 540; GEOG 370, 516, 566, 570; 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.