

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

emester One (13-14 Credit Hours) C CC-CMW MATH 122 Calculus for Bus. Admin. 8 Soc. Sciences 3-4 C CC-ARP MATH 111/1111/111/115 (MATH 122); MATH or MATH 141 Calculus '' C CC-ARP MATH 111/111/111/115 (MATH 122); MATH or MATH 141 Calculus '' PR Score Score or GEOL 201 Observing the Earth (if only) 4 PR Score or GEOL 201 Observing the Earth (if only) 3 PR/CC Score or Carolina Core Requirement' Score CC-ARP MATH 111/11111 or 112 or Math placement test score mester two (TraB Credit Hours) - C CC-ARP MATH 111/11111 or 112 or Math placement test score SEOL 302 Rocka and Mineralis (spiring only) 4 C MR CC-GEL GEOL 302 Rocka and Mineralis (spiring only) 4 C MR CC-GEL Requirement* GEOL 302 Rocka and Mineralis (spiring only) 4 C MR CC-GEL GEOL 302 Rocka and Mineralis (spiring only) 4 C MR CC-GEL GEOL 302 Rocka and Mineralis (spiring only) GEOL 302 Rocka and Mi	ritical		Credit	Min.	Major GPA ²		Prerequisites	Notes
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or MATH 141 Calculus I ² 115 (MATH 141); or Math placement test score GEOL 101 Introduction to the Earth or GEOL 103 Environment of the Earth or GEOL 103 Environment (GEOL 103 Environment test score (GEOL 103 Exclusion and Composition 3 C C C-CNW C or better in ENGL 101 CCC-IMF Internet test score (GEDL 104 Environment (GEDL 103 C) and (GEDL 104 Environment (GEDL 104 En								
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MATH 170 Finite Mathematics 3-4 C CC-ARP MATH 111/1111 or 112 or Math placement test score (MATH 142) CHEM 111 & 111L - General Chemistry I 4 C CC-SCI MATH 110 or 112 or Math placement test score (MATH 112) GEOL 302 Rocks and Minerals (spring only) 4 C MR GEOL 101, 103, or 201 (CHEM 111 recommended) Foreign language ⁵ or other Carolina Core Requirement ⁴ 3 CC-GFL MR D or better in GEOL 302 GEOL 325 Strattgroph & Seet. Basins (fall only) 4 C MR CC-SCI Cor better in GEOL 302 GEOL 325 Strattgroph & Seet. Basins (fall only) 4 CC-SCI Cor better in MATH 111/1112 or 112 or 141 PHYS 201 8 201L - General Physics I 4 CC-SCI C or better in MATH 111/1111/11112 or 112 or 141 PHYS 211 8 211L - Essentials of Physics I 4 CC-GFL MATH 141 (PHYS 211) Foreign language ³ or other Carolina Core Requirement* 3 CC-GFL MATH 141 (PHYS 211) SECD 305 Earth Systems through Time (spring only) or GEOL 315 Surtace A Near Surface Proc. (spring only) 4 C MR PHYS 201 or 211 (GEOL 315) General Chemistry I 4 PR See Bulletin listing. CC-GFL Roro			3	С			C or better in ENGL 101	
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GEOL 500 Field Geology ⁹ (summer only) 4-6 C MR GEOL 325 & 355		Carolina Core Requirement ⁴ or Approved Elective ⁸				CC/PR		
		GEOL 500 Field Geology ⁹ (summer only)	4-6	С		MR	GEOL 325 & 355	

Cognate Course ⁶	3	D		PR		
Cognate Course ⁶	3	D		PR		
CSCE 102 General Applications Programming	3			CR		
Social Science	3			CR		
Carolina Core Requirement ⁴ or Approved Elective ⁸	3			CC/PR		
nester Eight (12 Credit Hours)						
Cognate Course ⁶	3	D		PR		
Approved Elective ⁸	3			PR		
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Approved Elective ⁸	3			PR		

Graduation Requirements Summary

Minimum To Hours	otal	Minimum Major Requirements Hours	College & Program Requirements Hours	Carolina Core Hours	Minimum Institutional GPA
120		28	48-60	32-44	2.000

1. 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.
 Students who place into MATH 111 (through the algebra placement test) or 115 (through the calculus placement test) will be required to complete it successfully before taking MATH 122 or 141. MATH 111/115 may be used as an approved elective. Students who place the stort with MATH 111/145 may be used as an approved elective.

successfully before taking MATH 122 or 141. MATH 111/115 may be used as an approved elective. Students who start with MATH 111/115 should use the following sequence for the first three semesters:

Semester One	Semester Two	Semester Three
ENGL 101	ENGL 102	GEOL 325
GEOL 101, 103 or 201	MATH 122 <i>or</i> 141	GEOL 345
MATH 111 <i>or</i> 115	CHEM 111 & 111L	MATH 170 <i>or</i> 142
UNIV 101 or Carolina Core Requirement	GEOL 302	PHYS 201 & 201L or 211 & 211L
Foreign language or other Carolina Core Req.	Foreign Language or other Carolina Core Req.	Foreign language or Carolina Core Req.

4. The <u>Carolina Core</u> provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.

5. 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.

6. The cognate is intended to support the course work in the major. The cognate must consist of twelve hours of courses at the advanced level, outside of, but related to the major. For B.S. degrees, grades of D are acceptable for completion of the cognate requirement. A minor or a second major eliminates the cognate requirement.

7. 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.

9. GEOL 500 is a summer course, which takes place in the American West. Students must indicate to the SEOE undergraduate office their plans to attend field camp in January, which is prior to registering GEOL 500.

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.
- A Degree with Distinction is available to students majoring in Geological Sciences who wish to participate in significant research activities in their major field under the supervision of a faculty mentor. Requirements include: 1) a minimum GPA of 3.5 in the major and 3.3 overall; 2) written sponsorship agreement from the faculty mentor on file in the SEOE Undergraduate Student Services office; 3) a public presentation of the Senior Thesis research accompanied by a written document approved by the faculty mentor and a second reader that follows the guidelines of the School of the Earth, Ocean and Environment Geological Sciences degree; and 4) three courses in addition to the general major requirements, including: GEOL 498 or GEOL 499, GEOL 699, and a minimum of one GEOL 500-level course appropriate to the research.
- The last 30 credit hours toward your degree must be earned in residence at the University of South Carolina-Columbia. However, please note that GEOL 500, while considered "in residence," occurs in Colorado.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the <u>Carolina Core</u> 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.