

THE UNIVERSITY OF RHODE ISLAND

Geology & Geological Oceanography, B.S.

Option: Geological Oceanography

120 Earned Credits Total

EL_GOCG_BS

Student: _____

Student ID: _____

Advisor: _____

Effective Fall 2024

ABOUT THE Geological Oceanography OPTION:

A student's GPA for the major is computed based upon all GEO and OCG courses taken by the student. The minimum major GPA to graduate is 2.0. Students may also combine supporting and free electives to pursue a minor field of study.

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS

Intro to URI & Professional Courses: (11 Credits)			
Course	Semester	Credits	Grade
URI 101		1	
*GEO 103		4	
*EEC 105		3	
*NRS 100		3	

II. Core Geo Courses (24 Credits)			
Course	Semester	Credit	Grade
*GEO 204		4	
*GEO 210		4	
*GEO 305G		4	
*GEO 320		4	
GEO 370		4	
GEO 450		4	

III. Geological Oceanography Option (13 Credits)			
Course	Semester	Credit	Grade
OCG 301 OR OCG 451		3	
OCG 440 OR OCG 540		4	
GEO/OCG 4XX		3	
** OCG 493 OR 494		3	

****See Your Advisor to Discuss OCG 493/494**

IV. Supporting Electives (20 Credits) 200-level or above chosen from GEO, EEC, NRS, or OCG. NOTE: 3 credits of supporting electives may be satisfied by a 100-level course in GEO or OCG.			
Course	Semester	Credits	Grade

Note: Courses marked with a * can be used to satisfy major and general education requirements.

Transfer out of UCAS: Must have completed at least 30 credits with a minimum GPA of 2.0, and achieved a minimum of: B- in GEO 103; C in CHM 101; and C+ in MTH 103/111 or a C in MTH 131 or 141.

V. Supporting Sciences (21 Credits)			
Students considering graduate school are encouraged to take 2 semesters of each supporting science.			

Biology Requirements			
Course	Semester	Credits	Grade
*BIO 101		3	
*BIO 103		1	

Chemistry Requirements			
Course	Semester	Credit	Grade
*CHM 101		3	
CHM 102		1	

Math Requirements			
Course	Semester	Credit	Grade
*MTH 131 OR 141		3-4	
STA 308 OR 409		3-4	

Physics Requirements			
Course	Semester	Credit	Grade
*PHY 111 OR 203		3	
*PHY 185 OR 273		1	

Science (2nd Semester) Requirement 3- 4 credits			
Choose from: *BIO 102/104, CHM 112/114, CHM 124/126, *MTH 132, *MTH 142,*PHY 112/186,*PHY 204/274.			
Course	Semester	Credits	Grade

VI. Free Electives: (additional courses to reach 120)			
Course	Semester	Credits	Grade

Approved for Graduation
 Advisor: _____ Date: _____
 Minimum 2.0 GPA required in major for graduation.
 Minimum 2.0 cumulative GPA required for graduation.

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Student: _____
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 Effective Fall 2024

General Education Guidelines:

General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). **^No more than twelve credits can have the same course code.** General education courses may also be used to meet requirements of the major or minor when appropriate.

Step 2: LIST COURSES THAT MEET GEN ED

Step 3: LIST COURSE AS EACH OUTCOME IS MET

General Education Credit Count						
At least 40 credits, no more than 12 credits with the same course code						
Course	Credit	Grade		Course	Credit	Grade
				Total Gen Ed credits		
NOTE: BECAUSE MOST COURSES MEET MORE THAN ONE OUTCOME, YOUR OUTCOME AUDIT MIGHT BE COMPLETED BEFORE YOU REACH YOUR 40 CREDITS. HOWEVER, YOU MUST STILL COMPLETE 40 CREDITS OF GENERAL EDUCATION						

General Education Outcome Audit		
	Course	Grade
KNOWLEDGE		
A1. STEM		
A2. Social & Behavioral Sciences		
A3. Humanities		
A4. Arts & Design		
COMPETENCIES		
B1. Write effectively		
B2. Communicate effectively		
B3. Mathematical, statistical, or computational strategies		
B4. Information literacy		
RESPONSIBILITIES		
C1. Civic knowledge & responsibilities		
C2. Global responsibilities		
C3. Diversity & Inclusion		
INTEGRATE & APPLY		
D1. Ability to synthesize		
GRAND CHALLENGE		
G. At least one course of your 40 credits is an approved "G" course		

Note: Courses marked with a * can be used to satisfy major and general education requirements. ^A maximum of 12 credits can be used from the same course code (e.g. GEO). Once 12 credits is earned, no further courses from that course code can count towards outcomes or 40 credit total.
Transfer out of UCAS: Must have completed at least 30 credits with a minimum GPA of 2.0, and achieved a minimum of: B- in GEO 103; C in CHM 101; and C+ in MTH 103/111 or a C in MTH 131 or 141.

Advising Notes:

Geology & Geological Oceanography, B.S. - Geological Oceanography Option
Sample 4 Year Plan - Effective Fall 2024
College of the Environment and Life Sciences

Freshman Year Fall Semester

Course Code	Description	Cr	
URI 101	Planning for Academic Success	1	
*GEO 103	Understanding Earth	4	
*NRS 100	Natural Resource Conservation	3	
*EEC 105	Introduction to Resource Economics	3	
*MTH	Applied Pre-Calculus (or MTH 111 Pre-Calculus)	3	
	Gen. Ed or Free elective (optional)	3	
		14-17	

Freshman Year Spring Semester

Course Code	Description	Cr	
GEO 210	Landforms, Origin & Evolution	4	
CHM 101,102	General Chemistry 1, Lab	4	
*MTH 131	Applied Calculus (or MTH 141 Calculus I)	3-4	
	Supporting Elective or 2nd Semester Science	3-4	
	*General Education Course	3-4	
		17-20	

Year 1 Milestones: Earn 30 credits and a gpa of 2.0 or higher. Meet with your Advisor for GEO option discussion.

Sophomore Year Fall Semester

Course Code	Description	Cr	
*GEO 204	Problem Solving in Earth History	4	
*PHY 111,185	General Physics 1, Lab (or PHY 203, 273)	4	
	Supporting Elective or 2nd Semester Science	4	
	*General Education Course	3-4	
		15-16	

Sophomore Year Spring Semester

Course Code	Description	Cr	
*GEO 320	Earth Materials	4	
*BIO 101, 103	Biology 1, Lab	4	
	Supporting Elective	4	
	*General Education	3-4	
		15-16	

Year 2 Milestones: Earn 60 credits and a gpa of 2.0 or higher. Meet with your Advisor to discuss major, internships and research opportunities.

Junior Year Fall Semester

Course Code	Description	Cr	
GEO 370	Earth Structure	4	
STA 308	Statistics (or STA 409)	3-4	
	Supporting Elective	4	
	*General Education Course	3-4	
		14-16	

Junior Year Spring Semester

Course Code	Description	Cr	
OCG 493/494	Indep. Research in Ocean.	3	
*GEO 305G	Global Climate Change	4	
OCG 440	Geological Oceanography (or OCG 540)	4	
	Supporting Elective	3-4	
		14-15	

Year 3 Milestones: Earn 90 credits and a gpa of 2.0 or higher. Identify your GEO 493/494 independent research Professor, turn in your intent to graduate appl.

Senior Year Fall Semester

Course Code	Description	Cr	
OCG XXX	Oceanography option elective	4	
	Supporting Elective	3-4	
	Supporting Elective	3-4	
	*General Education Course	3-4	
	*General Education Course	3-4	
		16-20	

Senior Year Spring Semester

Course Code	Description	Cr	
OCG 451	Oceanographic Science (or OCG 301)	4	
GEO 450	Sedimentary Geology	4	
	*General Education Course	3-4	
	Supporting Elective (if needed)	3-4	
	Free elective (if needed)	3-4	
		17-20	

Year 4 Milestones: Earn 120 credits and a gpa of 2.0 or higher in CUM and CON. Complete all remaining required courses.

Total Credits to Graduate = 120

Number of required gen ed courses will vary based on outcomes satisfied by each course. Students may take additional supporting electives or free electives to reach 120 credits.

- * General Education Course
- + Take MTH 103 with MTH 131
- + Take MTH 111 with MTH 141