# THE UNIVERSITY OF RHODE ISLAND

Geology & Geological Oceanography, B.S.

**Option:** Geology

120 Earned Credits Total

Student: \_\_\_\_\_\_Student ID: \_\_\_\_\_\_Advisor:

Effective Fall 2022

## ABOUT THE GEOLOGY OPTION:

A student's GPA for the major is computed based upon all GEO 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

I. Intro to URI & Professional Courses:(11 Credits)			
Course	Semester	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	Fall	4		
GEO 210	Spring	4		
*GEO 305G	Spring	4		
*GEO 320	Spring	4		
GEO 370	Fall	4		
GEO 450	Spring	4		

III. Geology Option (10-12 Credits 200 Levels)				
Course	Semester	Grade		
GEO 483	Fall	4		
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**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 schol are encouraged to take 2 semesters of each supporting science.

Biology Requrements				
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 3-4

STA 308 **OR** 409

Physics Requirements					
Semester	Semester Credit Grade				
	3				
	1				
Science (2nd Semester) Requirement 3- 4 credits					
Choose from: *BIO 102/104, CHM 112/114, CHM 124/126, *MTH 132, *MTH 142,*PHY112/186,*PHY 204/274.					
Semester	Credits	Grade			
	Semester nester) Requ 2/104, CHM 112/ 86,*PHY 204/274	Semester         Credit           3         1           nester)         Requirement 3- 4           2/104, CHM 112/114, CHM 124/1         86,*PHY 204/274.			

3-4

VI. Free Electives: (additional courses to reach 120)					
Course	Semester	Credits	Grade		
Approved for Gradu	ation				
Advisor: Date:					
Minimum 2.0 GPA r	Minimum 2.0 GPA required in major for graduation.				
Minimum 2.0 cumulative GPA required for graduation.					

Effective Fall 2022

# THE UNIVERSITY OF RHODE ISLAND

Geology & Geological Oceanography, B.S.

Option: Geology 120 Earned Credits Total EL GOCG BS

### **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

			the same cou		
Course	Credit	Grade	Course	Credit	Grade
			Total Gen Ed		
			credits		

OUTCOME AUDIT MIGHT BE COMPLETED BEFORE YOU REACH YOUR 40 CREDITS. HOWEVER, YOU MUST STILL COMPLETE 40 CREDITS OF GENERAL EDUCATION Student: \_\_\_\_\_\_Student ID: \_\_\_\_\_\_Advisor: \_\_\_\_\_\_Effective Fall 2022

## Step 3: LIST COURSE AS EACH OUTCOME IS MET

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					
strategics					
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.

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. - Geology Option Sample 4 Year Plan - Effective Fall 2022

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 103	Applied Pre-Calculus (or MTH 111 Pre-Calculus)	3	
	Gen. Ed or Free elective (optional)	3	
		14-17	

Description	Cr	
Landforms, Origin & Evolution	4	
General Chemistry 1, Lab	4	
Applied Calculus (or MTH 141 Calculus I)	3-4	
Supporting Elective or 2nd Semester Science	3-4	
*General Education Course	3-4	
	17-20	
	Landforms, Origin & Evolution General Chemistry 1, Lab Applied Calculus (or MTH 141 Calculus I) Supporting Elective or 2nd Semester Science	Landforms, Origin & Evolution4General Chemistry 1, Lab4Applied Calculus (or MTH 141 Calculus I)3-4Supporting Elective or 2nd Semester Science3-4*General Education Course3-4

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

Sophomore Year Fall Semester			Sophomore Year Spring Semester			
Course Code	Description	Cr	Course Code	Description	Cr	
GEO 204	Problem Solving in Earth History	4	*GEO 320	Earth Materials	4	
PHY 111/185	General Physics 1, Lab	4	*BIO 101, 103	Biology 1, Lab	4	
	Supporting Elective or 2nd Semester Science	3-4		Supporting Elective	4	
	*General Education Course	3-4		*General Education Course	3-4	
		14-16			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	
	2nd Sem. Science / Supporting Elective	4	
	Supporting Elective	3-4	
		14-16	

Junior Year Spring Semester				
Course Code	Description	Cr		
*GEO 305G	Global Climate Change	4		
GEO XXX	Geology Option Elective	3-4		
	Supporting Elective	3-4		
	*General Education Course	3-4		
		13-16		

Year 3 Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your Advisor to prepare intent to graduate application for fall submission.

Senior Year Fall Semester			
Course Code	Description	Cr	
GEO 483	Hydrogeology	4	
GEO XXX	Geology Option 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		
GEO 450	Sedimentary Geology	4		
	Supporting Elective	3-4		
	*General Education Course	3-4		
	Free Elective	3-4		
	Free elective (if needed)	3-4		
		16-20		

Year 4 Milestones: Earn 120 credits and a GPA of 20.0 or higher in CUM and CON. Complete all remaining required courses.

120

Total Credits to Graduate =

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. Effective Fall 2022

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

Freshman Year Spring Semester