

# 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 2019

### 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

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

<b>II. Core Geo Courses (24 Credits)</b>			
Course	Semester	Credit	Grade
*GEO 204	Fall	4	
GEO 210	Spring	4	
GEO 305	Spring	4	
*GEO 320	Spring	4	
GEO 370	Fall	4	
GEO 450	Spring	4	

<b>III. Geological Oceanography Option (13 Credits)</b>			
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.

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

<b>Biology Requirements</b>			
Course	Semester	Credits	Grade
*BIO 101		3	
*BIO 103		1	

<b>Chemistry Requirements</b>			
Course	Semester	Credit	Grade
*CHM 101		3	
CHM 102		1	

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

<b>Physics Requirements</b>			
Course	Semester	Credit	Grade
*PHY111 OR 203		3	
*PHY185 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, \*PHY112/186, \*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.

Effective Fall 2019

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EL\_GOCG\_BS

Student: \_\_\_\_\_

Student ID: \_\_\_\_\_

Advisor: \_\_\_\_\_

Effective Fall 2019

### **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
*BIO 101	3					
*BIO 103	1					
*CHM 101	3					
*EEC 105	3					
*GEO 103	4					
*GEO 204	4					
*GEO 320	4					
*MTH 131	3					
*NRS 100	3					
*PHY 111	3					
				Total Gen Ed credits	40	
<b>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</b>						

General Education Outcome Audit		
	Course	Grade
<b>KNOWLEDGE</b>		
A1. STEM	*BIO 101	
A2. Social & Behavioral Sciences	*EEC 105	
A3. Humanities		
A4. Arts & Design		
<b>COMPETENCIES</b>		
B1. Write effectively	*GEO 204	
B2. Communicate effectively		
B3. Mathematical, statistical, or computational strategics	*MTH 131	
B4. Information literacy	*GEO 103	
<b>RESPONSIBILITIES</b>		
C1. Civic knowledge & responsibilities		
C2. Global responsibilities		
C3. Diversity & Inclusion		
<b>INTEGRATE &amp; APPLY</b>		
D1. Ability to synthesize	*GEO 320	
<b>GRAND CHALLENGE</b>		
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:**

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**Geology & Geological Oceanography, B.S. - Geological Oceanography Option**  
**Sample 4 Year Plan - Effective Fall 2019**  
*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	
		<b>14-17</b>	

**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	
		<b>17-20</b>	

**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	4	
	Supporting Elective or 2nd Semester Science	4	
	*General Education Course	3-4	
		<b>15-16</b>	

**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	
		<b>15-16</b>	

**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	
		<b>14-16</b>	

**Junior Year Spring Semester**

Course Code	Description	Cr	
OCG 494	Indep. Research in Ocean.	3	
GEO 305	Global Climate Change	4	
OCG 440	Geological Oceanography	4	
	Supporting Elective	3-4	
		<b>14-15</b>	

**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 application

**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	
		<b>16-20</b>	

**Senior Year Spring Semester**

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

**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**

Effective Fall 2018

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