

2-22-2018

## The Five Hundred.and Forty-sixth Report of the Curricular Affairs Committee: Curricular Proposals

University of Rhode Island Faculty Senate

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Serial Number #17-18-26B

TO: President David Dooley  
FROM: Mark Conley, Chairperson of the Faculty Senate

1. The attached BILL titled, the Five Hundred and Forty-sixth Report of the Curricular Affairs Committee: Curricular Proposals, is forwarded for your consideration.
2. This BILL was adopted by vote of the Faculty Senate on February 22, 2018.
3. After considering this bill, will you please indicate your approval or disapproval. Return the original, completing the appropriate endorsement below.
4. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective March 15, 2018 three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; or (3) the University Faculty petitions for a referendum.



Mark Conley  
Chairperson of the Faculty Senate

February 22, 2018

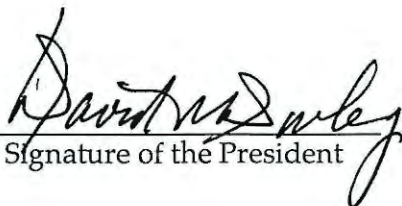
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ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

- a. Approved .
- b. Approved subject to Notice of the Council on Postsecondary Education \_\_\_\_.
- c. Disapproved \_\_\_\_.



Signature of the President

2.28.18  
(date)

## UNIVERSITY OF RHODE ISLAND FACULTY SENATE February 22, 2018

### Faculty Senate Curricular Affairs Committee Five Hundred and Forty-sixth Report

At the January 29, 2018 meeting of the Curricular Affairs Committee and by electronic communication, the following matters were considered and are now presented to the Faculty Senate.

#### SECTION II Curricular Matters Which Require Confirmation by the Faculty Senate

#### PROGRAM PROPOSALS

##### COLLEGE OF ARTS AND SCIENCES:

###### **BA in Chinese – Change requirements: (see Appendix B)**

In the current catalog, CHN101, 102 and 111 are not counted toward Chinese major. However, Chinese is one of the most difficult foreign languages for American students. Most of the students start Chinese language courses with no background. CHN101, 102 and 111 are important components of completing the Chinese major. Students in these courses spend as much effort as other students taking Chinese. They also need the credits of these courses in order to complete Chinese major requirement by the time they graduate. Otherwise, it is very difficult for them to complete Chinese major during their four or five years' college study.

In the current catalog, students are required to complete six credits in Chinese literature and civilization. That is because the current Chinese curriculum is more literature-oriented. But the curriculum now focuses more on proficiency-oriented teaching. The 400 level Chinese courses offered now includes content courses such as Chinese culture, civilization, Chinese language evolution, advanced technology and literature. Literature is only one part of the 400 level courses. If students take six credit 400 level courses, they already demonstrate their proficiency and competence in learning content courses in Chinese language, it is not necessary to emphasize only one aspect of the upper level training.

###### **BS in Sociology – Extend coding suspension date for current students: (see Appendix C)**

Beginning in September 2017 the Bachelor of Science in Applied Sociology was replaced by the Bachelor of Arts in Criminology and Criminal Justice. As a result, admission into the BS in Sociology was suspended and it was deemed that the BS in Sociology would remain active until June 2022 to allow those currently enrolled time to complete the degree. The BS in Sociology was subsequently removed from the 2017 catalog.

Therefore, we propose, as part of the allowance that current students be able to finish the BS in Sociology, that the option to declare or add this major would remain open until May 2019 and be allowed only by permission of the Dean of Arts & Sciences.

Several examples exist that can shed some light on this situation. One example is a student who started at URI in Fall 2015. She filled out paperwork to add the SOC major in the Spring of 2016, but did not realize that she was in the BA program in Sociology and not the BS program. During a recent advising session, the classes she was taking clearly indicated she was working toward the BS, but paperwork to make this change was halted. Another student,

whose record was looked at because of a request to join a course next semester, clearly indicates that his intention is to pursue the BS in Sociology, but he has yet to declare his major (he is currently Undeclared).

## **COLLEGE OF THE ENVIRONMENT & LIFE SCIENCES:**

### **BS in Geology and Geological Oceanography: (see Appendix E)**

The Geology and Geological Oceanography major is replacing all 2nd semester science requirements with courses that prepare students for a variety of careers in the Geosciences and respond to the importance of climate change science. These changes allow students to specialize with a single 2nd semester science and more supporting electives depending on their chosen geoscience sub-discipline. Global Climate Change was added as a requirement as it has become fundamental discipline in the Geosciences.

- Remove Requirements: (15-16 credits)
  - o BIO 102/104 or GEO/BIO 272
  - o MTH 132 or MTH 142
  - o PHY 112/186 or PHY 204/274,
  - o CHM 112/114 or CHM 124/126
- Add Requirements: (15-16 credits)
  - o Choose one of the following courses: (3-4)
    - BIO 102/104, CHM 112/114, PHY 112/186, MTH 132, MTH 142, PHY 204/274, or CHM 124/126
  - o GEO 305 – Global Climate Change (4)
  - o 8 credits of Supporting Electives in GEO, OCG, NRS, or EEC at >200 level
  - o 3 credits of Supporting Elective may be satisfied by a 100 level GEO course if used within the first 60 credits

**Notice of Change for B.A. Chinese**

**Date: 9/28/2017**

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

**2. Name of department, division, school or college**

Department: Languages

College: A&S

**3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**

Initiation date: Fall 2018

First degree date:

**4. Intended location of the program**

URI Kingston

**5. Summary description of proposed program (not to exceed 2 pages).**

We propose the following program change for the B.A. in Chinese.

In the current catalog, CHN101, 102 and 111 are not counted toward Chinese major. However, Chinese is one of the most difficult foreign languages for American students. Most of the students start Chinese language courses with no background. CHN101, 102 and 111 are important components of completing the Chinese major. Students in these courses spend as much effort as other students taking Chinese. They also need the credits of these courses in order to complete Chinese major requirement by the time they graduate. Otherwise, it is very difficult for them to complete Chinese major during their four or five years' college study.

In the current catalog, students are required to complete six credits in Chinese literature and civilization. That is because the current Chinese curriculum is more literature-oriented. But the curriculum now focuses more on proficiency-oriented teaching. The 400 level Chinese courses offered now includes content courses such as Chinese culture, civilization, Chinese language evolution, advanced technology and literature. Literature is only one part of the 400 level courses. If

students take six credit 400 level courses, they already demonstrate their proficiency and competence in learning content courses in Chinese language, it is not necessary to emphasize only one aspect of the upper level training.

**If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.**

We propose the following change in catalog language for the B.A. in Chinese:

**Current catalog language:**

Chinese

The Department of Modern and Classical Languages and Literatures offers the Bachelor of Arts (B.A.) degree with a major in Chinese.

*Faculty:* Professor He, *section head.*

Students selecting the Chinese major are required to complete at least 30 credits (maximum 45) in Chinese, not including CHN 101, 102, 111 or equivalent. Students must complete six credits in Chinese literature and civilization, at least three of which must be taken at the 400 level. At least six CHN credits must be at the 400 level. Students in the Chinese Language Flagship Program may take CHN 315 and 316 or CHN 315H and 316H in lieu of the 6 credits at the 400-level and 6 credits in literature and civilization requirement.

In addition, students must take six credits in Chinese/Asian culture such as Chinese/Asian politics, history, philosophy, arts, etc. offered through other departments. Students must choose these six credits from the courses listed below or from other courses on Chinese culture and civilization as approved by the section head: HIS 171, 374; PHL 331; PSC 116, 377; RLS 131; THE 382.

A total of 120 credits is required for graduation. At least 42 of these must be in courses numbered 300 or above.

**Proposed new catalog language:**

Chinese

The Department of Modern and Classical Languages and Literatures offers the Bachelor of Arts (B.A.) degree with a major in Chinese.

*Faculty:* Professor He, *section head*, *Assistant Professor Yu Wu*

Students selecting the Chinese major are required to complete at least 30 credits (maximum 45) in Chinese, ~~not including CHN 101, 102, 111 or equivalent. Students must complete six credits in Chinese literature and civilization, at least three of which must be taken at the 400 level. At least six CHN credits must be at the 400 level. Students in the Chinese Language Flagship Program may take CHN 315 and 316 or CHN 315H and 316H in lieu of the 6 credits at the 400 level and 6 credits in literature and civilization requirement.~~ Students must complete at least six CHN credits at the 400 level. Students in the Chinese Language Flagship Program may take CHN 315 and 316 or CHN 315H and 316H in lieu of the 6 credits at the 400-level requirement.

In addition, students must take six credits in Chinese/Asian culture such as Chinese/Asian politics, history, philosophy, arts, etc. offered through other departments. Students must choose these six credits from the courses listed below, ~~which can be counted~~

~~towards the General Education requirement~~, or from other courses on Chinese culture and civilization as approved by the section head: HIS 171, 374; PHL 331; PSC 116, 377; RLS 131; THE 382.

A total of 120 credits is required for graduation. At least 42 of these must be in courses numbered 300 or above.

**A clean changed version:**

**The Department of Modern and Classical Languages and Literatures offers the Bachelor of Arts (B.A.) degree with a major in Chinese.**

*Faculty: Professor Wayne He, section head, Assistant Professor Yu Wu*

**Students selecting the Chinese major are required to complete at least 30 credits (maximum 45) in Chinese. Students must complete at least six CHN credits at the 400 level. Students in the Chinese Language Flagship Program may take CHN 315 and 316 or CHN 315H and 316H in lieu of the 6 credits at the 400-level requirement.**

**In addition, students must take six credits in Chinese/Asian culture such as Chinese/Asian politics, history, philosophy, arts, etc. offered through other departments. Students must choose these six credits from the courses listed below, or from other courses on Chinese culture and civilization as approved by the section head: HIS 171, 374; PHL 331; PSC 116, 377; RLS 131; THE 382.**

A total of 120 credits is required for graduation. At least 42 of these must be in courses numbered 300 or above.

## 6. Signature of the President

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David M. Dooley

Notice of Change form

Notice of Change for: Sociology B.S.

Date: October 30<sup>th</sup>, 2017

**A. PROGRAM INFORMATION**

**1. Name of institution**

University of Rhode Island

**2. Name of department, division, school or college**

Department: Department of Sociology & Anthropology

College: Arts & Sciences

**3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**

Initiation date: Immediate

First degree date:

**4. Intended location of the program: N/A**

**5. Summary description of proposed program (not to exceed 2 pages).**

Beginning in September 2017 the Bachelor of Science in Applied Sociology was replaced by the Bachelor of Arts in Criminology and Criminal Justice. As a result, admission into the BS in Sociology was suspended and it was deemed that the BS in Sociology would remain active until June 2022 to allow those currently enrolled time to complete the degree. The BS in Sociology was subsequently removed from the 2017 catalog.

Therefore, we propose, as part of the allowance that current students be able to finish the BS in Sociology, that the option to declare or add this major would remain open until May 2019 and be allowed only by permission of the Dean of Arts & Sciences.

Several examples exist that can shed some light on this situation. One example is a student who started at URI in Fall 2015. She filled out paperwork to add the SOC major in the Spring of 2016, but did not realize that she was in the BA program in Sociology and not the BS program. During a recent advising session, the classes she was taking clearly



indicated she was working toward the BS, but paperwork to make this change was halted. Another student, whose record was looked at because of a request to join a course next semester, clearly indicates that his intention is to pursue the BS in Sociology, but he has yet to declare his major (he is currently Undeclared).

6. If applicable, please include the existing URI catalog language and proposed catalog changes **indicated in Track Changes**.

7. Signature of the President

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David M. Dooley

NOTICE OF CHANGE FORM

Notice of Change for: Geology and Geological Oceanography

Date: November 1, 2017

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Geosciences

College: Environment and Life Sciences

3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.

Initiation date: September 2018

First degree date: December 2018

4. Intended location of the program

Kingston, RI

5. Summary description of proposed program (not to exceed 2 pages).

6. If applicable, please include the existing URI catalog language and proposed catalog changes **indicated in Track Changes**.

Changes to the catalog are shown here. The full catalog changes are attached in a separate document.

... Students are required to complete an interdisciplinary core of introductory courses including GEO 103-Understanding Earth (4), NRS 100-Natural Resource Conservation (3), and EEC 105-Introduction to Resource Economics (3); geosciences core courses including GEO 204-Problem-solving in Earth History (4), GEO 210-Landforms: Origins and Evolution (4), GEO 305-Global Climate Change (4), GEO 320-Earth Materials (4), GEO 370-Structure of the Earth (4), and GEO 450-Introduction to Sedimentary Geology (4); supporting science/mathematics courses including MTH 131 (3) or 141 (4); MTH 132 (3) or 142 (4); BIO 101 (3) and 103 (1); 102 (3) and 104 (1) or GEO/BIO 272 (4) or CHM 124 (3), 126 (1); CHM 101 (3), 102 (1), 112 (3), 114 (1); STA 308 (4) or 409 (3); PHY 111 (3), 185 (1) or 203 (3), 273 (1); and one of the following: BIO 102(3) 104 (1), CHM 112 (3) 114 (1), PHY 112 (3) 186(1),

MTH 132 (3), MTH 142 (4), PHY 204 (3) 274(1), or CHM 124 (3) 126 (1); and PHY 112 (3), 186 (1) or 204 (3), 274 (1); and 12-20 credits of supporting electives taken at the 200-level or above from GEO, NRS, EEC, OCG or from another program with prior approval from the GEO department chair; 3 credits of supporting elective may be satisfied by a 100-level course in GEO or OCG. Double majoring in Geology and Geological Oceanography works well with other B.S. granting programs in CELS and also many Engineering programs.

The proposed changes are summarized here

The Geology and Geological Oceanography major is replacing all 2<sup>nd</sup> semester science requirements with courses that prepare students for a variety of careers in the Geosciences and respond to the importance of climate change science. These changes allow students to specialize with a single 2<sup>nd</sup> semester science and more supporting electives depending on their chosen geoscience sub-discipline. Global Climate Change was added as a requirement as it has become fundamental discipline in the Geosciences.

- Remove Requirements: (15-16 credits)
  - BIO 102/104 or GEO/BIO 272
  - MTH 132 or MTH 142
  - PHY 112/186 or PHY 204/274,
  - CHM 112/114 or CHM 124/126
- Add Requirements: (15-16 credits)
  - Choose one of the following courses: (3-4)
    - BIO 102/104, CHM 112/114, PHY 112/186, MTH 132, MTH 142, PHY 204/274, or CHM 124/126
  - GEO 305 – Global Climate Change (4)
  - 8 credits of Supporting Electives in GEO, OCG, NRS, or EEC at >200 level
  - 3 credits of Supporting Elective may be satisfied by a 100 level GEO course if used within the first 60 credits

## 7. Signature of the President

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David M. Dooley

# Geology and Geological Oceanography

The Department of Geosciences offers a single degree: the B.S. in geology and geological oceanography, with two options, a geology option and a geological oceanography option. This degree is designed for students with an interest in earth, environmental, or oceanographic science careers or affiliated fields such as environmental law and earth/environmental science education. The two options allow students to take specialty courses focusing on a range of geoscience topics such as environmental geology/hydrogeology, sedimentology/stratigraphy/paleontology, coastal geology/oceanography, geochemistry/petrology, or geophysics/tectonics, and supporting elective courses chosen from geosciences, natural resources science, environmental economics, and oceanography. Students may use their supporting electives to pursue in-depth study within a given field or to broaden their interdisciplinary perspective. Students are required to complete an interdisciplinary core of introductory courses including GEO 103-Understanding Earth (4), NRS 100-Natural Resource Conservation (3), and EEC 105-Introduction to Resource Economics (3); geosciences core courses including GEO 204-Problem-solving in Earth History (4), GEO 210-Landforms: Origins and Evolution (4), [GEO 305-Global Climate Change \(4\)](#), GEO 320-Earth Materials (4), GEO 370-Structure of the Earth (4), and GEO 450-Introduction to Sedimentary Geology (4); supporting science/mathematics courses including MTH 131 (3) or 141 (4); [MTH 132 \(3\) or 142 \(4\)](#); BIO 101 (3) and 103 (1); ~~102 (3) and 104 (1) or GEO/BIO 272 (4) or CHM 124 (3), 126 (1)~~; CHM 101 (3), 102 (1), ~~112 (3), 114 (1)~~; STA 308 (4) or 409 (3); PHY 111 (3), 185 (1) or 203 (3), 273 (1); [and one of the following: BIO 102\(3\) 104 \(1\), CHM 112 \(3\) 114 \(1\), PHY 112 \(3\) 186\(1\), MTH 132 \(3\), MTH 142 \(4\), PHY 204 \(3\) 274\(1\), or CHM 124 \(3\) 126 \(1\);](#) ~~and PHY 112 (3), 186 (1) or 204 (3), 274 (1);~~ and [12-20](#) credits of supporting electives taken at the 200-level or above from GEO, NRS, EEC, OCG or from another program with prior approval from the GEO department chair; [3 credits of supporting elective may be satisfied by a 100-level course in GEO.](#) Double majoring in Geology and Geological Oceanography works well with other B.S. granting programs in CELS and also many Engineering programs.

GEO 480, 491, 497, and 499 and OCG 493/494 are capstone experiences available for this major. Internship experiences are encouraged; credit may be awarded through GEO397 if work is appropriate.

To transfer from University College to the College of the Environment and Life Sciences as a Geology & Geological Oceanography major (or be coded as such in the College of the Environment and Life Sciences), a student must have earned at least a 2.0 grade point average in a minimum of 30 total credits, as well as a minimum of a B- in GEO 103; a minimum of a C in CHM 101, and a minimum of a C+ in Pre-calculus (MTH 103 or MTH 111) or a C in Calculus (MTH 131 or MTH 141).

A total of 120 credits and a 2.00 grade point average within the major are required for graduation.

**Geology Option.** This option allows students the flexibility to define their own area of concentration within the geosciences. Students selecting this option complete GEO 483—Hydrogeology (4); GEO 480 (4–6) or a GEO elective at the 200-level or above; and an additional

GEO elective at the 200-level or above chosen in consultation with their advisor. Example areas of concentration include environmental geology/hydrogeology, sedimentary geology/stratigraphy, and geophysics/tectonics.

**Geological Oceanography Option.** Students completing this option will be well prepared to pursue careers in either conventional geology/earth science or geological oceanography. Students selecting this option complete three upper-level oceanography courses including OCG 301—General Oceanography (3) or OCG 451—Oceanographic Science (3), OCG 440 or 540—Geological Oceanography (4), and an OCG elective taken at the 400-level or above; and a 3-credit senior research project, OCG 493 or 494—Special Problems and Independent Study in Oceanography (3), taken in the Graduate School of Oceanography (GSO), under the direction of a GSO faculty member. Students entering the URI Graduate School of Oceanography from this program will have a significant head start compared with those entering from most other undergraduate institutions.

Department of Geosciences website: [uri.edu/geo/](http://uri.edu/geo/)



Dr. Brian Savage  
Chair  
Department of Geosciences  
College of the Environment and Life Sciences  
[savage@uri.edu](mailto:savage@uri.edu)  
p. 401-874-5392

Dear all,

Michael Sullivan, John Rooney, Kim Anderson, Caroline Phillips and I met to discuss the program changes for Geology and Geological Oceanography (GOOG) and the impact on the Joint Admission Agreement (JAA) between URI and CCRI. Following our discussion students will continue to complete all General Studies requirements for CCRI (ENGL1010, 2 social sciences, 2 lab sciences, math, 2 humanities, a history course, and a literature course). In addition to these requirements, students will be advised to complete GEOL1010 (GEO103) in their first semester at CCRI. Students will be advised to complete OCEN1010/1030 in their second semester (OCG123). GEOL1020 (GEO204) will be encouraged when the course is offered. Calculus will continue to be required. We will change BIOL1001 (BIO102/104) to BIOL1002 (BIO101/103). BIO102/104 is no longer a program requirement and is now a second science option. Students will be advised to choose a second semester science from the options of BIOL1001(BIO102/104), MATH1920 (MTH142), CHEM1100 (CHM112/114), or PHYS 1040 (PHY112/186). With the reduction of the required basic sciences currently required of the JAA, students will be advised to complete additional General Education requirements, like courses satisfying A4 or C2 outcomes, to reach the 60 credits required to graduate from CCRI with an associates degree.

Finally, as a result of our conversations, it was determined the "Notice of Change Form" needs to be amended. On page 2, under added requirements, it should read "3 credits of Supporting Electives may be satisfied by a 100 level GEO **or OCG** course if used within the first 60 credits". The updated catalog changes are attached. This amendment is supported by the department and facilitates transfer from CCRI.

Thanks,

Brian Savage

**B.S. Geology & Geological Oceanography-Geology Option Effective Fall 2018**  
**Sample 4 Year Plan**  
**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 103/111	Pre-Calculus (If Required)	3	
	Gen. Ed or Free elective (optional)	3	
		<b>14-17</b>	<b>0</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	Calculus 1 (or MTH 141)	3-4	
	*General Education Course	3-4	
	*General Education Course (optional)	3-4	
		<b>14-17</b>	<b>0</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	4	
	*General Education Course	3-4	
		<b>14-16</b>	<b>0</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 Course	3-4	
		<b>15-16</b>	<b>0</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	4	
	Supporting Elective	4	
	Supporting Elective	3-4	
		<b>15-16</b>	<b>0</b>

**Junior Year *Spring* Semester**

Course Code	Description	Cr	
GEO 450	Sedimentary Geology	4	
GEO 305	Global Climate Change	4	
	Supporting Elective	3-4	
	*General Education Course	3-4	
		<b>14-16</b>	<b>0</b>

**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	
		<b>13-16</b>	<b>0</b>

**Senior Year *Spring* Semester**

Course Code	Description	Cr	
GEO XXX	Geology Option Elective	3-4	
	Supporting Elective	3-4	
	*General Education Course	3-4	
	Free Elective	3-4	
	Free elective (if needed)	3-4	
		<b>12-16</b>	<b>0</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**

# THE UNIVERSITY OF RHODE ISLAND

## Geology Option - B.S.

### Option: Geology

120 Earned Credits Total

EL\_GOCG\_BS

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

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

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

Effective Fall 2018

### 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

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			MTH 142	4		
*BIO 103	1						
*BIO 102	3						
*BIO 104	1						
*CHM 101	3						
*EEC 105	3						
*GEO 103	4						
*GEO 204	4						
*MTH 131/141	3-4						
*NRS 100	3						
*PHY 111	3						
*Phy 112	3						
GEO 320	4						
				Total Gen Ed credits	40		
<p><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></p>							

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

General Education Outcome Audit	
	Course
<b>KNOWLEDGE</b>	
A1. STEM	*BIO101
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:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# THE UNIVERSITY OF RHODE ISLAND

## Geology & Geological Oceanography- BS

### Option: Geology

120 Earned Credits Total

**EL\_GOCG\_BS**

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

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

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

Effective Fall 2018

### 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	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	Fall	4	
GEO 210	Spring	4	
GEO 305	Spring	4	
GEO 320	Spring	4	
GEO 370	Fall	4	
GEO 450	Spring	4	

#### **III. Geology Option (10-12 Credits 200 Levels)**

Course	Semester	Credit	Grade
GEO 483		4	
GEO 480/ELE		4-6	
GEO ELE			

#### **IV. Supporting Electives (20 Credits) 200 - level or above chosen from GEO, EEC, NRS, 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.

\*\* 3 credits of supporting elective may be satisfied by a 100-level course in GEO.

Approved for Graduation

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

#### **V. Supporting Sciences (21 Credits)**

##### **Biology Requirements**

Course	Semester	Credits	Grade
*BIO 101/103		4	

##### **Chemistry Requirements**

Course	Semester	Credit	Grade
*CHM 101/102		4	

##### **Math Requirements**

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

##### **Physics Requirements**

Course	Semester	Credit	Grade
*PHY111/185 OR PHY 203/273		4	

##### **Science (2nd Semester) Requirement**

PHY111/185 OR PHY 203/273 OR MTH 132 OR MTH 142 OR CHM 112/114 OR BIO 102/104 OR CHM 124/126		3-4	
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#### **VI. Free Electives: (10-11)**

Course	Semester	Credits	Grade

**B.S. Geology & Geological Oceanography- Geo Oce Option - Effective Fall 2018**

**Sample 4 Year Plan**

**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 103/111	Pre-Calculus (If Required)	3	
	Gen. Ed or Free elective (optional)	3	
		<b>14-17</b>	<b>0</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	Calculus 1 (or MTH 141)	3-4	
	*General Education Course	3-4	
	*General Education Course (optional)	3-4	
		<b>14-17</b>	<b>0</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	4	
	*General Education Course	3-4	
		<b>14-16</b>	<b>0</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>	<b>0</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	4	
	Supporting Elective	4	
	*General Education Course	3-4	
		<b>15-16</b>	<b>0</b>

**Junior Year *Spring* Semester**

Course Code	Description	Cr	
GEO 450	Sedimentary Geology	4	
GEO 305	Global Climate Change	4	
OCG 440	Geological Oceanography	4	
	Supporting Elective	3-4	
		<b>15-16</b>	<b>0</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 App.

**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>13-17</b>	<b>0</b>

**Senior Year *Spring* Semester**

Course Code	Description	Cr	
OCG 451	Oceanographic Science	4	
OCG 494	Indep. Research in Ocean.	3	
	*General Education Course	3-4	
	Supporting Elective (if needed)	3-4	
	Free elective (if needed)	3-4	
		<b>12-16</b>	<b>0</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**

# THE UNIVERSITY OF RHODE ISLAND

## Geological Oceanography Option - B.S.

### Option: Geological & Oceanography

120 Earned Credits Total

EL\_GOCG\_BS

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

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

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

Effective Fall 2018

### 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

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			MTH 142	4		
*BIO 103	1						
*BIO 102	3						
*BIO 104	1						
*CHM 101	3						
*EEC 105	3						
*GEO 103	4						
*GEO 204	4						
*MTH 131/141	3-4						
*NRS 100	3						
*PHY 111	3						
*Phy 112	3						
GEO 320	4				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>							

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

General Education Outcome Audit	
	Course
<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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# THE UNIVERSITY OF RHODE ISLAND

## Geology & Geological Oceanography- BS

### Option: Geological Oceanography

120 Earned Credits Total

EL\_GOCG\_BS

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

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

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

Effective Fall 2018

### **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/OCG 540		4	
GEO/OCG 4XX		3	
** OCG 493 OR 494		3	

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

<b>IV. Supporting Electives (20 Credits) 200 - level or above chosen from GEO, EEC, NRS, or OCG. **</b>			
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.

\*\* 3 credits of supporting elective may be satisfied by a 100-level course in GEO.

<b>V. Supporting Sciences (21 Credits)</b>			
<b>Biology Requirements</b>			
Course	Semester	Credits	Grade
*BIO 101/103		4	

<b>Chemistry Requirements</b>			
Course	Semester	Credit	Grade
*CHM 101/102		4	

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

<b>Physics Requirements</b>			
Course	Semester	Credit	Grade
*PHY111/185 OR PHY 203/273		4	

<b>Science (2nd Semester) Requirement</b>			
PHY111/185 OR PHY 203/273 OR MTH 132 OR MTH 142 OR CHM 112/114 OR BIO 102/104 OR CHM 124/126		3-4	

<b>VI. Free Electives: (10-11)</b>			
Course	Semester	Credits	Grade

Approved for Graduation  
 Advisor \_\_\_\_\_ Date: \_\_\_\_\_