THE
UNIVERSITY
OF RHODE ISLAND
FACULTY SENATE OFFICE
Green Hall, 35 Campus Avenue, Kingston, RI 02881 USA p: 401.874.2616

THINK BIG WE DO™

Serial Number #18-19-23B

TO: President David Dooley
FROM: Hillary Leonard, Chairperson of the Faculty Senate

1. The attached BILL titled, the Curriculum and Standards Committee Report #2018-19-11: Curricular Changes, is forwarded for your consideration.

2. This BILL was adopted by vote of the Faculty Senate on March 21, 2019.

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 April 11, 2019, 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.

Hillary Leonard
Chairperson of the Faculty Senate

March 21, 2019

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 ___.

David M Dooley
Signature of the President

4.8.19
(date)

THE
UNIVERSITY
OF RHODE ISLAND
FACULTY SENATE OFFICE

THINK BIG WE DO℠

UNIVERSITY OF RHODE ISLAND FACULTY SENATE
March 7, 2019

Faculty Senate Curriculum and Standards Committee
Report 2018-2019-11

At the March 7, 2019 meeting of the Curriculum and Standards Committee, 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 CHANGES:

COLLEGE OF HEALTH SCIENCES:

BS in Health Studies: **(See Appendix B)**
Health Studies has three specializations and majors select a specialization (health promotion, health services, and global health). Within each specialization, students take 6 classes. Currently, HDF 310, 314 and 312 classes are included as possible classes for the health promotion specialization.

We are proposing that three classes - HDF 310, 312, and 314 - no longer be included as options within the health promotion specialization. We would like to no longer include these classes to streamline the health promotion specialization. We have requesting to no longer include these classes as: 1) they include an off campus 1-credit practicum; b) are 4 credits (including the practicum; and 3) only a limited number of health studies majors enroll in these three classes. In addition, HDF 200 and 201 are options for students in the Health Promotion specialization, which exposes interested students to relevant material of development across the lifespan (that would have partially been covered in the removed classes). Lastly, students in the Health promotion track continue to have 300 level HDF course choices (HDF 357, 440, or 450) should they be interested in taking upper level HDF courses as part of their degree requirements.

We have discussed these changes with the chair of the Human Development and Family Studies, Dr. Sue Adams, who supports these changes (see attached letter of agreement).

COLLEGE OF ARTS AND SCIENCES:

Music Department:

BOM-Music Education **(See Appendix C)**

An accreditation visit from the Rhode Island Department of Education resulted in the need for 30 additional hours of practicum for music education students across grade levels. A new practicum course is proposed: MUS 376 at the elementary level for 30 hours. The current MUS 341 course will be changed to MUS 476, but will remain at the secondary level and students will take MUS 476 prior to student teaching.

Students seeking a Bachelor of Music in Music Education currently are required to create and submit a mid-level portfolio and exit-level portfolio that align with all education programs as part of the School of Education. Additionally, they have also been required to produce a separate mid- and exit-level portfolio that duplicates much work already submitted as through the SOE portfolio system. Work not duplicated better suits other professional degrees in music (e.g., Orchestral Performance, Jazz, Composition) and are not essential to students seeking a music education degree.

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES:

Department of Biological Sciences:

BA Biology **(See Appendix E)**

We propose the following changes to the B.A. Biology program

1. Add new courses to "List B" and "List C".

List A (plant biology): BIO 311, 321, 323, 332, 346, 348, 365, 418. List B (animal biology): BIO 121, 201, 242, 244, 286, 300, 301, 302, 354, 355, 366, 385, 386, 388, 404, 412, 417, 425G, 441, 444, 445, 467. List C (integrative biology): BIO 256G, 262, 272, 282G,, 320, 341, 345, 352, 353, 360, 388, 396, 437, 439, 452, 455, 457, 472, 480, 482G, 485. List D (other): CMB 242, 245, 320, 333, 334, 413, 414, 415, 416, 432, 435, 483; up to three credits of the following independent study or special topics courses: AFS 491, 492; AVS 491, 492; BIO 491, 492; CMB 491, 492; NRS 491, 492; PLS 491, 492.

BS Marine Biology **(See Appendix F)**

1. Add new course to Marine Biology Electives and Organismal Diversity Core.
2. Move BIO 385 from Marine Biology Electives to Organismal Diversity Core (this corrects an error)

BS Biology Sciences **(See Appendix G)**

1. Add new course to "List B".

List A (plant biology): BIO 308, 311, 321, 323, 332, 346, 348, 365, 418. List B (animal biology): BIO 121, 201, 242, 244, 300, 301, 302, 354, 355, 366, 385, 386, 388, 404, 412, 417, 441, 444, 445, 467.

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Appendix B

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for: Health Studies

Date: 1/24/2019

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Health Studies
   College: Health Sciences

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

   Initiation date: Academic year 2019-2020
   First degree date: 2023

4. **Intended location of the program**

   Health Studies, Independence Square, 25 West Independence Way, Kingston, RI

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

   Health Studies has three specializations and majors select a specialization (health promotion, health services, and global health). Within each specialization, students take 6 classes. Currently, HDF 310, 314 and 312 clases are included as possible classes for the health promotion specialization.

   We are proposing that **three classes -** HDF 310, 312, and 314 - no longer be included as options within the health promotion specialization. We would like to no longer include these classes to streamline the health promotion specialization. We have requesting to no longer include these classes as: 1) they include an off campus 1-credit practicum; b) are 4 credits (including the practicum; and 3) only a limited number of health studies majors enroll in these three classes. In addition, HDF 200 and 201 are options for students in the Health Promotion specialization, which exposes interested students to relevant material of development across the lifespan (that would have partially been covered in the removed classes). Lastly, students in the Health promotion track continue to have 300 level HDF course choices (HDF 357, 440, or 450) should they be interested in taking upper level HDF courses as part of their degree requirements.

We have discussed these changes with the chair of the Human Development and Family Studies, Dr. Sue Adams, who supports these changes (see attached letter of agreement).

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

Health Promotion. This specialization is designed to prepare students for careers in fields whose primary emphasis is on facilitating individual, family, group, worksite, and community behavior change to promote healthy lifestyles and behaviors (e.g., increase exercise, cease smoking, manage stress). It also aims to improve life quality via the prevention and improved management of chronic illness and to help increase the length of life by reducing disease and increasing health-promoting behaviors. Students select six courses from the following list. At least four courses must be at the 300 or 400 level. Courses must be selected from at least three different disciplines/departments: BPS 201; COM 361; GWS 350, 351; HDF 200, 201, ~~310, 312, 314,~~ 357, 440, 450; KIN 275, 325, 401, 425; NFS 207, 276, 360, 394, 395; PHP 201; PSY 255, 381, 460, 479.

7. **Signature of the President**

_____

David M. Dooley

THE UNIVERSITY OF RHODE ISLAND

Joanne Lawrence <jlawrence@uri.edu>

Health Studies Minor Program Change Approval

1 message

Brian <bquilliam@uri.edu> Fri, Feb 8, 2019 at 1:46 PM
To: Joanne Lawrence <jlawrence@uri.edu>

HI Joanne,

The College of Health Sciences uploaded a Minor Program Change proposal today for Health Studies. The proposal seeks to remove three courses (HDF 310, 312 and 314) from the Health promotion specialization within this degree. This has been reviewed and approved by the College's Curriculum Committee (on 2/1/19; I approve as chair) and I am approving for the Dean's office today.

Please let me know if you need any additional information.

Thank you,

Brian

Brian J. Quilliam, Ph.D.

Associate Dean

University of Rhode Island

College of Health Sciences

55 Lower College Road, Suite 107

Kingston, RI 02881

(401) 874-2030 [Voice]

bquilliam@uri.edu

THE UNIVERSITY OF RHODE ISLAND

Mary Greaney <mgreaney@uri.edu>

Approval of HDF changes to HLT

1 message

Sue Adams <suekadams@uri.edu> Fri, Jan 25, 2019 at 11:41 AM
To: Mary Greaney <mgreaney@uri.edu>

Dear Molly,

Dear Molly,

This email is to confirm that I approve the changes of the HDF classes in the Health Studies curriculum. Specifically, you will deleting HDF 310, 312 and 314 from the HLT curriculum.

Regards,
Sue Adams
****

Sue K. Adams, Ph.D.
Professor and Chair
Dept. of Human Development and Family Studies
Transition Center 112
2 Lower College Road
Kingston, RI 02881
Phone: 401.874.5958
Fax: 401.874.4020
Email: suekadams@uri.edu

DEPARTMENT OF KINESIOLOGY HEALTH STUDIES - CURRICULUM SHEET 2018-2019 120 Total Credits Required

Name _____ ID Number _____

Advisor Signature (Intent to Graduate Form) _____ Date _____

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the 12 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 12 credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

General Education Credit Count					
At least 40 credits, no more than 12 credits with the same course code.					
Course	Cr.		Course		Cr.
HLT 100 (3cr) (C1)					
HLT 200(4cr.) (B4)					
KIN 123(3cr.)(A2,B4)					
Math(3cr.) (B3)					
PHL(3cr.) (A3)					
PSY 113(3cr.) (A2)					
Com 100(3cr.)(B2)					
WRT(3cr.) (B1)					
BIO101/103(4cr)(B1)					
PHP 405(4cr.) (D1)					
CHM					
			Total Gen Ed Credits		

General Education Outcome Audit	
At least 3 credtis in each outcome	Course
KNOWLEDGE	
A1. STEM	BIO
A2. Social & Behavioral Sciences	PSY113
A3. Humanities	PHL
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	WRT
B2. Communicate effectively	COM 100
B3. Mathematical, statistical, or computational strategies	MATH
B4. Information literacy	HLT 200
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	HLT 100
C2. Global responsibilisties	
C3. Diversity & inclusion	
INTEGRATE AND APPLY	
D1. Ability to synthesize	PHP 405
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

Requirements that may be used as gen eds: BIO 101, CHM 103, COM 100,HLT 100, HLT 200, KIN 123, NFS 207, MTH 107, MTH 131, MTH 141, NRS 100, PHL, PSY 113, WRT 104, WRT 106.

SPECIALIZATIONS

1. Global & Environmental Health ___ 2. Health Promotion ___ 3. Health Services ___

Students must select a minimum of 18-24 credits (6 courses) from one specialization areas. At least 4 courses must be at the 300 or 400 level. Selected course must be from at least 3 different disciplines/ departments. See last page for course selections. List your courses below.

Course	Cr.	Course	Cr.
Total Credits			

CORE HEALTH STUDIES REQUIREMENTS					
Courses	**Cr.**	**Prerequisites**	**Courses**	**Cr.**	**Prerequisites**
Take all of the following			**Select 1 of the following**		
URI 101 (1)			WRT 104 Writing (3)*(B1)		
KIN 122 Anat &Physio (4)			WRT 106 Res. Writing (3)*		
KIN 123 Health (3)*(A2,B4)			**Select 1 of the following**		
PSY 113 Psychology (3)*(A2)			STA 307 Biostats (4)		
COM 100 Commun. (3)*(B2)			STA 308 (4)		
			PSY 200 (4)		
Select 1 of the following (A3)			**Select 1 of the following**		
MTH 107 Finite Math (3)*			CHM 100 Env. Chem (3)		
MTH 108 Math Topics (3)			CHM 103 Intro. Chem (3)*		
MTH 131 Appl. Calc (3)*		MTH 111 (C-)			
MTH 141 Intro Calc (3)*		MTH 111 (C-)	**Take all of the following**		
Select 1 of the following			HLT 100 Intro to Public HLT		(C1)
PHL 101 Critical Think (3 (A3)			HLT 200 Interdisc. Appr. to H		(B4)
PHL 103 Intro. Phil(3) (A3)			PHL 314 Medical Ethics (3)		
PHL 212 Ethics (3) (A3,C3)			PHP 405 Epidemiology(4)(D1		HLT 200 (C or better), PSY 200 or STA 307, Jr standing
Select 1 of the following			HLT 450 Adv Health Stud (4)		
COM 202 Public Speak (3)			**Select 1 of the following**		
COM 208 Debate (3)			BIO 101 & 103 Biology (4)*(A		
COM 210 Persuation (3)					
COM 2S1 Group Comm (3)					
Total Credits					

* May be used as a general education course. Mark GE if used as a gen ed (credits cannot count twice).

Free Electives			
Use free elective as needed to total 120 cedits. Free electives may be used for further study in the area of health. Completing an internship through the office of Internships and Experiential Learning is highly recommended. **At least 12 credits must be at the 300 or 400 level.**			
Course	**Credi**	**Course**	**Credit**
Total Credits			

Note: Free Electives may be used for a minor or certificate or to take additional courses in a specific area of interest. Partial list of Minors: Busuiness, Gerontology; Hunger Studies; Leadership; International Development; International Relations; Sustainability; or 18 credits in an approved minor field of study. Certificates: Substance Abuse Counseling.

Specializations. Students must select a minimum of **18-24 credits (6 courses)** from one of the following specialization areas. At least 4 courses must be at the 300 or 400 level. Courses selected must be from at least 4 different disciplines/departments.

Global and Environmental Health			
Courses	Prerequisites	Courses	Prerequisites
APG 319 Cultural Behavior & Environ. (3)		PHP 201: Intro U.S. Hlth Care System (3)	
BIO/ENT 286 Insects & Disease (3)		PHL 454 Philos. of Natural Sci (3)	PHL 101 or 103
COM/SUS 315 Environ Communication (3)	jr standing	HLT/COM 320 Health Communications(3)	HLT 200
HPR 412 Emerging Infectious Diseases (3)		PSC 113 Intro American Politics (4)	
NRS 100 Resource Conservation (3)*		PSC 402 Environment Policy (4)	PSC 113, jr. standing
NRS/CPL 300 Global Sustainable Devel (3)		PSC 403 Global Eco-politics (4)	PSC 210, 121 or 402
NUR 160 Global Health (3)		GWS 325 Internat. Wom. Issues (3)	GWS 150
HLT 312 Intersecting Social Identities and Hlt (3 crs.)	HLT 200		

Health Promotion (HR- Hightly recommended)			
Courses	Prerequisites	Courses	Prerequisites
PSY 255 Health Psychology (3) **(HR)**		HLT 312 Intersecting Social Identities HLT (3)	HLT 200
PSY 479 Topics: Health Promote (3) **(HR)**		HLT/Com 320 Health Communication (3)	HLT 200
HDF 357 Fam & Commun Health (3) **(HR)**	jr standing	NFS 276G Food, Nutrition, People (3)	NFS 207
NFS 207 General Nutrition (3) **(HR)***		NFS 360 Nutrition in Exercise (3)	NFS 207, KIN 275
BPS 201 How Drugs Work (3)		NFS 394 Nutrition Lifecycle I (3)	NFS 276G
HDF 200: Life Span Development (3 cr)		NFS 395 Nutrition Lifecycle II (3)	NFS 276G and 394
HDF 201 Life Span Development II (3)		PHP 201: Intro U.S. Hlth Care System (3)	
~~HDF 310/311 Adolescent Development (4)~~	HDF 201	PSY 381 Phsyiological Psych (3)	jt standing
~~HDF 312 Adult Development (3)~~	HDF 201	PSY 460 Substance Troubled (3)	PSY 113
~~HDF 314 Intro to Gerontology (4)~~	complete 24 credits	PSY 479 Topics (3)	permission of instr.
HDF 450 Intro to Counseling (3)	permission of instr.	KIN 401 Current Issues Hlt Ed (3)	
HDF 440: Environmental Context of Aging (3 cr)		GWS 350 Women & Health (3)	
KIN 275 Intro to Exercise Science (3)		GWS 350 Women & Mental Hlth (3)	
KIN 325 Exercise Testing & Presc. (3)	KIN275 and KIN300	GWS 350 Women in Aging(3)	
KIN 425 Fitness WellnessProg. Dev. (3)	KIN 275		

Health Services (HR - Highly Recommended)			
Courses	Prerequisites	Courses	Prerequisites
HSA 360 Health Services Admin. (3) **(HR)**	jr standing	COM 402 Leadership and Motiv. (3)	BUS 202, 201 or COM 251
ECN 360 Health Economics (3) **(HR)**	ECN 201	COM 450 Org. Commun. Theory (3)	COM 251, jr standing
PHP 201: Intro U.S. Hlth Care System (3) **(HR)**		COM 461 Manage Cult. Differ. (3)	COM 361, jr standing
BPS 201 How Drugs Work (3)		ECN 201 Microeconomics	
BUS 341 Organizational Behav. (3)	jr standing	PSY 255 Health Psychology (3)	
BUS 342 HR Management (3)	jr standing	PSC/HDF 405: Policy Issues in Hlth (3)	
HLT 312 Intersecting Social Identities and HLT(3)	HLT 200	SOC 224 Hlt, Illness, Med. Care (3)	
HLT/COM 320 Health Communication(3)	HLT 200	WRT 306 Writing Hlth & Disability (3) **(HR)**	
COM 351 Organizatinal Comm (3)	jr standing		
COM 361 Intercultural Communication (3)	Jr. Standing		

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Appendix C

Revised 8/2016

Notice of Change form

Notice of Change for: BOM in Music Education

Date: 11/13/18

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Music
   College: Arts & Sciences

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

   Initiation date: ~~N/A because this program is already in place~~ Fall 2019
   First degree date: ~~N/A because this program is already in place~~ Spring 2023

4. **Intended location of the program –** N/A because this program is currently housed at the Kingston campus and there is not intention to change the location of the program.

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

   An accreditation visit from the Rhode Island Department of Education resulted in the need for 30 additional hours of practicum for music education students across grade levels. A new practicum course is proposed: MUS 376 at the elementary level for 30 hours. The current MUS 341 course will be changed to MUS 476, but will remain at the secondary level and students will take MUS 476 prior to student teaching.

   Students seeking a Bachelor of Music in Music Education currently are required to create and submit a mid-level portfolio and exit-level portfolio that align with all education

programs as part of the School of Education. Additionally, they have also been required to produce a separate mid- and exit-level portfolio that duplicates much work already submitted as through the SOE portfolio system. Work not duplicated better suits other professional degrees in music (e.g., Orchestral Performance, Jazz, Composition) and are not essential to students seeking a music education degree.

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

Professional Education (28 credits): Students pursuing the music education option must apply for admission to the Office of Teacher Education in the School of Education; see Teacher Education Programs and "Admission Requirements" in Education for admission requirements. ~~MUS 280 (0), 480 **[capstone]** (2);~~ MUS 238, 339, 340, 376, 476 ~~341~~ ~~(10)~~ (11); EDC 250 (1), 484 (12), 485 (3); PSY 113 (3). The piano proficiency examination ~~Options I or II~~, the Praxis II: Principles of Learning and Praxis II: Music Content Knowledge, and all courses required for the music education option, ~~with the exception of MUS 480 **[capstone]**,~~ must be successfully completed before supervised student teaching (EDC 484) and student teaching seminar (EDC 485). Students may wish to enroll in EDC 312 (3) in order to prepare for the Praxis II: Principles of Learning.
A minimum of 131 credits is required for graduation.

7. **Signature of the President**

_____

David M. Dooley

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Appendix E

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for B.A. Biology

Date: January 30, 2019

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Biological Sciences
   College: CELS

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

   Initiation date: September, 2019
   First degree date:

4. **Intended location of the program**
   Kingston Campus (no change)

5. **Summary description of proposed program (not to exceed 2 pages).**
   We propose the following changes to the B.A. Biology program

   1. Add new courses to "List B" and "List C".

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

List A (plant biology): BIO 311, 321, 323, 332, 346, 348, 365, 418. *List B (animal biology):* BIO 121, 201, 242, 244, 286, 300, 301, 302, 354, 355, 366, 385, 386, 388, 404, 412, 417, 425G, 441, 444, 445, 467. *List C (integrative biology):* BIO 256G, 262, 272, 282G, 320, 341, 345, 352, 353, 360, 388, 396, 437, 439, 452, 455, 457, 472, 480, 482G, 485. *List D (other)*: CMB 242, 245, 320, 333, 334, 413, 414, 415, 416, 432, 435, 483; up to three credits of the following independent study or special topics courses: AFS 491, 492; AVS 491, 492; BIO 491, 492; CMB 491, 492; NRS 491, 492; PLS 491, 492.

7. **Signature of the President**

_____
David M. Dooley

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Appendix F

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for B.S. Marine Biology

Date: January 30, 2019

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Biological Sciences
   College: CELS

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

   Initiation date: September, 2019
   First degree date: NA

4. **Intended location of the program**
   Kingston campus (no change)

5. **Summary description of proposed program (not to exceed 2 pages).**
   1. Add new course to Marine Biology Electives and Organismal Diversity Core.
   2. Move BIO 385 from Marine Biology Electives to Organismal Diversity Core (this corrects an error)

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

A minimum of 36 credits is required and must include BIO 101/103, 102/104, 130, 352 and 360 (17 credits) and at least one course from each of three of the following five areas: Cell and Developmental Biology (BIO 302, 311, 341); Ecology and Evolution (BIO 262, 272); Molecular Biology (BIO 437); Organismal Diversity (BIO 321, 323, 354, 365, 366, 385, 404, 412, 417, 425G; CMB 211); Physiology (BIO 201, 346). The balance of the 36 credits must be selected from among the Marine Biology electives: AFS 415, 486; AVS 440, BIO 256G, 308, 310, 345, 354, 355, 365, ~~385,~~ 412, 418, 425G, 441, 455, 457, 469, 475, 485, 563; NRS 475; OCE 575; OCG 420, 480, 561, 576. Students are encouraged to participate in research; up to three credits of Independent Study or Special Topics (BIO 491, 492, 495) in the following disciplines may be applied toward this requirement: AFS, AVS, BIO, CMB, NRS, OCG and PLS. Students must take at least two BIO laboratory courses in addition to 103, 104 and 360, and excluding 491, 492, and 495.

7. **Signature of the President**

David M. Dooley

Marine Biology - BS
EL_MBIO_BS
120 Credits Total

THE UNIVERSITY OF RHODE ISLAND

Student: _____
Student ID: _____
Advisor: _____

ABOUT THE BS in MARINE BIOLOGY:

The B S. Marine Biology allows students to explore the vast world of marine biology while providing an important foundation in modern biological sciences. It is designed for students who plan to work in marine biology, marine ecology, biological oceanography, marine conservation, or related fields at a professional level, or who wish to apply their training to a wide range of other exciting careers. We encourage students to participate in lab, field and shipboard research with faculty and other researchers and to develop and conduct original research in their areas of interest. Graduates get jobs in a variety of marine and environmental fields, or continue their education in graduate school in areas such as marine biology, oceanography and related fields; some students have gone on to Veterinary School. Please consult the Marine Biology website at: web.uri.edu/marbio.

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS

BIO and Marine Biology courses (36 credits required)

Must earn a cumulative 2.0 GPA in 36 credits of major for graduation.

Required BIO Courses: (17 credits)

Course	Semester	Credits	Grade
*BIO 101 or 101H		3	
*BIO 102		3	
*BIO 103		1	
*BIO 104		1	
BIO 130		1	
BIO 352		4	
BIO 360		4	

BIOLOGY CORE Requirement: (9-12 credits)

Pick a total of 3 courses, one each from the following five areas:

Cell & Development: BIO 302, 311, 341

Course	Semester	Credits	Grade

Ecology & Evolution: BIO 262, 272

Course	Semester	Credits	Grade

Molecular Biology: BIO 437

Course	Semester	Credits	Grade

Organismal Biology: BIO 256G, 308, 310, 321, 323, 354, 365, 366, 385, 404, 412, 417,425G;

Course	Semester	Credits	Grade

Physiology: BIO 201, 346

Course	Semester	Credits	Grade

MARINE BIOLOGY Elective Requirement: (balance of 36 credits)

Choose from the following:

BIO: 256G, 308, 310, 345, 354, 355, 365, 412, 418, 425G, 441, 455, 457, 485, **469, **475, 563

AFS: 415, 486 **AVS:** 440 **NRS:** 475

OCE: 575 **OCG:** 420, 480, 561, 576

*****Directed Research/Special Problems from the following:**

AFS, AVS, BIO, CMB, NRS, OCE, OCG 493 or 494, PLS 491 or 492

Other Marine Biology Electives - by petition or pre-approval of transfer credit.

Course	Semester	Credits	Grade

LAB Requirement:

Students must take two lab courses in addition to BIO 103, 104, and 360, from among the courses used to satisfy BIO Core or Marine BIO elective requirements, but excluding Independent Study/Research. Example: BIO 201 (lecture/lab) can be used to satsify the Core requirement AND the Lab requirement, but BIO 491, 492, and 495 cannot count towards the Lab requirement.

Course

***Course approved for general education.**
****Courses taught at the Bermuda Institute of Ocean Sciences.**
*****No more than 3 credits of Directed Research/Special Problems (491, 492, 493, 494, or 495) may be used towards the 36 credits of Biology and Marine Biology courses required for the major.**

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS CONTINUED

CHEMISTRY Requirement: (15-16 credits)

Course	Semester	Credits	Grade
*CHM 101		3	
CHM 102		1	
OR			
CHM 191		5	

Course	Semester	Credits	Grade
CHM 112		3	
CHM 114		1	
OR			
CHM 192		5	

Course	Semester	Credits	Grade
CHM 226		2	
CHM 227		3	
CHM 228		3	
OR			
CHM 124		3	
CHM 126		1	
CMB 311		3	

MATH Requirement: (6-8 credits)

Course	Semester	Credits	Grade
*MTH 131		3	
OR			
*MTH 141		4	

Course	Semester	Credits	Grade
MTH 132		3	
OR			
*MTH 142		4	
OR			
STA 308		4	

PHYSICS Requirement: (8 credits)

Course	Semester	Credits	Grade
*PHY 111		3	
*PHY 185		1	
OR			
*PHY 203		3	
*PHY 273		1	

Course	Semester	Credits	Grade
*PHY 112		3	
*PHY 186		1	
OR			
*PHY 204		3	
*PHY 274		1	

OCEANOGRAPHY Requirement: (3 credits)

Pick 1 of the following:

Course	Semester	Credits	Grade
OCG 301		3	
OR			
OCG 451		3	

The requirement for transfer to CELS from University College for Academic Success is:
Minimum 30 credits and a grade of C or better in the following: BIO 101, 103, 102, and 104; and min. of C- in CHM 101.
Minimum 2.0 cumulative GPA required in the 36 credits in BIO/Marine Biology for graduation.
Minimum overrall 2.0 cumulative GPA required for graduation.

Marine Biology - B.S. **THE UNIVERSITY OF RHODE ISLAND**

120 Credits Total

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	**Credits**	**Grade**		**Course**	**Credits**	**Grade**
*BIO 101 or 101H	3					
*BIO 103	1					
*BIO 102	3					
*BIO 104	1					
*CHM 101	3					
*MTH ____						
*PHY 111	3					
*PHY 185	1					
*PHY 112	3					
*PHY 186	1					
				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

***course fulfills general education and a major requirement**

Step 3: LIST COURSE AS EACH OUTCOME IS MET

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	*BIO 101
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	*MTH _____
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	

The requirement for transfer to CELS from University College for Academic Success is:
Minimum 30 credits and a grade of C or better in the following: BIO 101 or 101H, 103, 102, and 104; and min. of C- in CHM 101.

Advising Notes: _____

EXAMPLE

B.S. Marine Biology
Sample 4 Year PLan - Effective Fall 2018
College of the Environment and Life Sciences

Freshman Year *Fall* Semester

Course Code	Description	Cr
*BIO 101, 103	Principles of Biology, Lab	4
*CHM 101, 102	General Chemistry, Lab	4
*MTH 111 **or** *MTH 131	Precalculus **or** Applied Calculus 1	3
	*General Education Course	3-4
BIO 130	Topics in Marine Biology	1
		15-17

Freshman Year *Spring* Semester

Course Code	Description	Cr
*BIO 102, 104	Principles of Biology II, Lab	4
CHM 112, 114	General Chemistry II, Lab	4
MTH *131, 132, **or** STA 308	Applied Calculus, Applied Calculus II, **or** Statistics	3-4
	*General Education Course	3-4
		15-17

Year 1 Milestones: Complete **BIO** 101, 103, 102, 104, **CHM** 101, 102, 112, 114, **MTH** 131, and **MTH** 132 or **STA** 308

Sophomore Year *Fall* Semester

Course Code	Description	Cr
BIO 360 **or** Marine BIO core	Marine Biology **or** Biology Core	3-4
CHM 124,126, **or** 227 **or** 112,114	Intro to Organic Chem., Lab, **or** Organic Chemistry Lecture **or** General Chemistry Lecture 2, Lab	4
Elective **or** *MTH 132 **or** STA 308	Elective, **or** Applied Calculus II, **or** Statistics	3-4
	*General Education Course	3-4
		15-17

Sophomore Year *Spring* Semester

Course Code	Description	Cr
BIO 360 or Marine BIO Core	Marine Biology **or** Biology Core	3-4
BIO Core or Marine Biology Elective	Biology Core or Marine Biology Elective	3-4
CHM 124,126 **or** 227 **or** 228 **or** CMB 311	Intro. to Organic Chem.,Lab, **or** Organic Chem. Lecture 1, **or** 2 , **or** Intro. Biochemistry	3-5
	*General Education Course	3-4
		15-17

Year 2 Milestones: Complete **BIO** 360 and begin **organic chemistry** sequence. Meet with faculty advisor to discuss **Year 3** courses, research and internship opportunities.

Junior Year *Fall* Semester

Course Code	Description	Cr
BIO 352 **or** Marine Biology Elective	General Genetics or Marine Biology Elective	3-4
PHY 111, 185	General Physics, Lab	4
CHM 226 and/or 228 **or** CMB 311 **or** Elective	Organic Chemistry Lecture, Organic Chemistry Lecture 2, **or** Introductory Biochemistry, **or** Elective	3-5
	*General Education Course	3-4
		15-17

Junior Year *Spring* Semester

Course Code	Description	Cr
BIO 352 **or** Biology Core	General Genetics **or** Biology Core	3-4
	Marine BIO Elective	3-4
PHY 112, 186	General Physics 2, Lab	4
*Gen Ed or CMB 311	*General Education Course **or** Introduction to Biochemistry	3-4
		15-17

Year 3 Milestones: Complete **PHY** 111, 185, 112, 186, finish **organic chemistry** sequence. Prepare intent to graduate with professional advisor for fall submission.

Senior Year *Fall* Semester

Course Code	Description	Cr
	Marine Biology Elective	3-4
	Marine Biology Elective	3-4
	*General Education Course	3-4
OCG 301 or Elective	General Oceanopgrahy or Elective	3-4
		15-17

Senior Year *Spring* Semester

Course Code	Description	Cr
	Marine Biology Elective	3-4
	Marine Biology Elective	3-4
	*General Education Course **or** Elective	3-4
OCG 451 or Elective	Oceanographic Science or Elective	3-4
		15-17

Year 4 Milestones: OCG 301 or 451, finish **Marine Biology** electives and **general education.**
Minimum of 120 credits to graduate.
Minimum 2.0 cumulative GPA required in the 36 credits in BIO/Marine Biology for graduation.
Minimum overrall 2.0 cumulative GPA required for graduation.

THE
UNIVERSITY
OF RHODE ISLAND

Appendix G

Revised 8/2016

NOTICE OF CHANGE FORM

Notice of Change for B.S. Biological Sciences

Date: January 30, 2019

A. PROGRAM INFORMATION

1. **Name of institution**
   University of Rhode Island

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

   Department: Biological Sciences
   College: CELS

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

   Initiation date: September 2019
   First degree date: NA

4. **Intended location of the program**
   Kingston campus (no change)

5. **Summary description of proposed program (not to exceed 2 pages).**
   1. Add new course to "List B".

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

List A (plant biology): BIO 308, 311, 321, 323, 332, 346, 348, 365, 418. *List B (animal biology):* BIO 121, 201, 242, 244, 300, 301, 302, 354, 355, 366, 385, 386, 388, 404, 412, 417, 441, 444, 445, 467.

7. **Signature of the President**

_____
David M. Dooley

Biological Sciences - BS
EL_BSC_BOS
120 Earned Credits Total

THE UNIVERSITY OF RHODE ISLAND

Student: _____
Student ID: _____
Advisor: _____

ABOUT THE BS in BIOLOGICAL SCIENCES:

The B.S. in Biological Sciences provides extensive training in fundamental biological principles while allowing students to specialize in sub-disciplines such as ecology, evolution, genetics, physiology, molecular, cell, or developmental biology. We emphasize exposure to ongoing research that seeks to expand the frontiers of science; students are encouraged to work with faculty and researchers to develop and conduct original research in their chosen field. Graduates work in a variety of fields, enroll in medical, dental, or veterinary schools, or pursue graduate work in the biological sciences.
web.uri.edu/bio/bachelor-of-science-in-biological-sciences/.

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS

BIOLOGICAL SCIENCES **35 Credits**

BIO Course Requirements: (12 credits)

Course	Semester	Credits	Grade
*BIO 101 or 101H		3	
*BIO 102		3	
*BIO 103		1	
*BIO 104		1	
BIO 352		4	

Additional BIO Requirements: (23 credits total)

BIOLOGY CORE Requirement (9-12credits): Pick **one** course from each of three of the following **CORE** areas:

Cell & Development: BIO 302, 311, 341

Course	Semester	Credits	Grade

Ecology & Evolution: BIO 262, 272

Course	Semester	Credits	Grade

Molecular Biology: BIO 437

Course	Semester	Credits	Grade

Organismal Diversity: BIO 308, 310, 321, 323, 354, 365, 366, 385, 404, 412, 417

Course	Semester	Credits	Grade

Physiology: BIO 201, 220, 221, 222, 223, 242/244, 346

Course	Semester	Credits	Grade

BIOLOGY Elective Requirement: (balance of 23 credits) Any BIO course in the latest catalog, including any BIO course listed on this sheet, plus BIO 345, 353, 360, 396, 455, 457, 480, 485, 491 and 492**. Excludes BIO 105, 181G, 286 and 498 (these courses may not be used).

Course	Semester	Credits	Grade

Plant, Animal and Lab Course requirements - The courses selected to satisfy the CORE and BIO Elective requirements must include one course from the Animal list, one course from the Plant list, and 3 courses that include a laboratory, or stand-alone laboratory courses (BIO 103, 104, 491 and 492 excluded)

Animal Course List (3 credits): BIO 121, 201, 220, 221, 222, 223, 242, 244, 300, 301, 302, 354, 355, 366, 385, 386, 388, 404, 412, 417, 441, 444, 467

Course	Grade

Plant Course List (3 credits): BIO 308, 310, 311, 321, 323, 332, 346, 348, 365, 418

Course	Grade

Laboratory Courses (3):

Course	Grade

***Course approved for general education.**
**** Up to 3 credits of 491, 492, 493, 494, or 495 from one of the following programs may be used for a BIO elective: AFS, AVS, BIO, CMB, NRS, PLS, or OCG. These may not be used to fulfill the lab requirement. Students may submit a petition for research credit in other programs. Additional research credits count as free electives.**

Minimum 2.0 cumulative GPA required in major for graduation.
Minimum overrall 2.0 cumulative GPA required for graduation.

Effecitve: 2018-2019

Step 1: **REVIEW YOUR PROGRAM REQUIREMENTS CONTINUED:**

Introduction Requirement: (1 credit)

Course	Semester	Credits	Grade
URI 101		1	

CHEMISTRY Requirement: (15-16 credits)

Course	Semester	Credits	Grade
*CHM 101		3	
CHM 102		1	
OR			
CHM 191		5	

Course	Semester	Credits	Grade
CHM 112		3	
CHM 114		1	
OR			
CHM 192		5	

Course	Semester	Credits	Grade
CHM 226		2	
CHM 227		3	
CHM 228		3	
OR			
CHM 124		3	
CHM 126		1	
CMB 311		3	

MATH Requirement: (6-8 credits)

Course	Semester	Credits	Grade
*MTH 131		3	
OR			
*MTH 141		4	

Course	Semester	Credits	Grade
MTH 132		3	
OR			
*MTH 142		4	
OR			
STA 308		4	

CELL & MOLECULAR BIOLOGY Requirement : (4 credits)

Course	Semester	Credits	Grade
CMB 201 or 211		4	

PHYSICS Requirement: (8 credits)

Course	Semester	Credits	Grade
*PHY 111		3	
*PHY 185		1	
OR			
*PHY 203		3	
*PHY 273		1	

Course	Semester	Credits	Grade
*PHY 112		3	
*PHY 186		1	
OR			
*PHY 204		3	
*PHY 274		1	

WRITING Requirement: (3 credits)

Pick 1 of the following:

Course	Semester	Credits	Grade
*WRT 104		3	
OR			
*WRT 106		3	

FREE ELECTIVES

Course	Semester	Credits	Grade

Biological Sciences - B.S. **THE UNIVERSITY OF RHODE ISLAND**

120 Earned Credits Total

Student: _____
Student ID: _____
Advisor: _____

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	**Credits**	**Grade**		**Course**	**Credits**	**Grade**
*BIO 101 or 101H	3					
*BIO 103	1					
*BIO 102	3					
*BIO 104	1					
*CHM 101	3					
*MTH ____						
*PHY ____	3					
*PHY ____	1					
*PHY ____	3					
*PHY ____	1					
*WRT ___	3			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

***course fulfills general education and a major requirement**

Step 3: LIST COURSE AS EACH OUTCOME IS MET

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	BIO 101
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	WRT ___
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	MTH ____
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	

The requirement for transfer to CELS from University College for Academic Success is:
Minimum 30 credits and a grade of C or better in the following: BIO 101 or 101H, 103, 102, and 104; and min. of C- in CHM 101.

Advising Notes: _____

Effective: 2018-2019

B.S. Biological Sciences
Sample 4 Year plan - Effective Fall 2018
College of the Environment and Life Sciences

Freshman Year *Fall* Semester

Course Code	Description	Cr
BIO 101,103	Principles of Biology, Lab	4
CHM 101,102 or Gen Ed	General Chemistry, Lab or Genereal Education Course	3-4
MTH 111 or MTH 131	Precalculus or Applied Calculus	3
	General Education Course	3-4
URI 101	Planning for Academic Success	1
		15-17

Freshman Year *Spring* Semester

Course Code	Description	Cr
BIO 102,104	Principles of Biology 2, Lab	4
CHM 112,114 or CHM 101,102	General Chemistry 2, Lab or General Chemistry 1, Lab	4
MTH 131, 132 or STA 308	Applied Calculus, Applied Calculus 2, or Introduction to Statistics	3-4
	General Education Course	3-4
		15-17

Year 1 Milestones: Complete BIO 101, 103, 102, 104, CHM 101, 102, MTH 131, MTH 132 or STA 308

Sophomore Year *Fall* Semester

Course Code	Description	Cr
	BIO Core Course	3-4
CHM 124,126 or 227 or CHM112,114	Introduction to Organic Chemistry, Lab, or General Chemistry lecture 2, Lab	4
Elective or MTH 132 or STA 308	Elective, or Applied Calculus 2, or Introduction to Statistics	3-4
	General Education Course	3-4
		15-17

Sophomore Year *Spring* Semester

Course Code	Description	Cr
	BIO Core Course	4
CHM 124,126 or 227 or 228 or CMB 311	Introduction to Organic Chemistry, Lab or Organic Chemistry Lecture 2, or Introductory Biochemistry	3-5
CMB 201 or CMB 211	Introuctory Microbiology OR Introductory Medical Microbiology	4
	General Education Course	3-4
		15-17

Year 2 Milestones: Complete **CMB** 201 or 211 and **CHM** 112, 114 begin **organic chemistry** sequence. Meet with faculty advisor to plan Year 4 courses.

Junior Year *Fall* Semester

Course Code	Description	Cr
BIO Core or BIO 352	BIO Core or General Genetics	3-4
PHY 111,185	General Physics, Lab	4
CHM 226	Organic Chemistry Lecture	3-5
	General Education Course	3-4
		15-17

Junior Year *Spring* Semester

Course Code	Description	Cr
BIO Core or BIO 352	BIO Core or General Genetics	3-4
	BIO Elective	3-4
PHY 112,186	General Physics, Lab	4
Gen Ed or CMB 311	General Education or Introductory Biochemistry	3-4
		15-17

Year 3 Milestones: Complete **BIO** 352 and **BIO** core courses, **PHY** 111, 185, 112, 186**, finish organic chemistry sequence. Meet with faculty advisor to discuss internship, and reasearch opportunities.**

Senior Year *Fall* Semester

Course Code	Description	Cr
	BIO Elective	3-4
	BIO Elective	3-4
	General Education Course	3-4
	Elective	3-4
		15-17

Senior Year *Spring* Semester

Course Code	Description	Cr
	BIO Elective	3-4
	BIO Elective or Elective	3-4
	General Education Course or Elective	3-4
	Elective	3-4
		15-17

Year 4 Milestones: Finish Biology electives and general education.
Minimum of 120 credits to graduate.
Minimum 2.0 cumulative GPA required in the 36 credits in Biology courses for graduation.
Minimum overrall 2.0 cumulative GPA required for graduation.