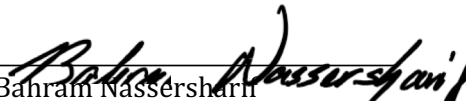


224 Pastore Hall, 51 Lower College Road, Kingston, RI 02881 USA p: 401.874.2616

Serial Number #19-20-22B

TO: President David Dooley
FROM: Bahram Nassersharif, Chairperson of the Faculty Senate

1. The attached BILL titled, the Curriculum and Standards Committee Report #2019-20-9: Curricular Proposals, is forwarded for your consideration.
2. This BILL was adopted by vote of the Faculty Senate on March 19, 2020.
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 9, 2020 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.


Bahram Nassersharif
Chairperson of the Faculty Senate

March 19, 2020

ENDORSEMENT

TO: Chairperson of the Faculty Senate
FROM: President of the University

- a. Approved X.
- b. Approved subject to Notice of the University of Rhode Island Board of Trustees _ .
- c. Disapproved ____.



Signature of the President

4/6/2020

(date)

UNIVERSITY OF RHODE ISLAND FACULTY SENATE March 19, 2020

Faculty Senate Curriculum and Standards Committee Report 2019-2020-09

At the February 27, 2020 meeting of the Curriculum and Standards 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 CHANGES: (3)

COLLEGE OF HEALTH SCIENCES:

Communicative Disorders BS:

(Contact: Dana Kovarsky) (See Appendix A)

Remove CMD 274 as required course. CMD 274 (Communication Processes) is being deleted from the undergraduate program in Communicative Disorders. This is currently a required course in the curriculum and there will be no new course to take its place. This change is being implemented for two reasons. First, the information in this course is contained in other classes in the departmental curriculum. Second, this course deletion will allow undergraduates to earn their degrees in a timely fashion.

COLLEGE OF THE ENVIRONMENT AND LIFE SCIENCES:

International Development Minor:

(Contact: Mike Rice)

(See Appendix B)

The International Development minor is an existing program within CELS that, over the last two decades, has been housed in the Natural Resources Science Department. However, with the departure of its key instructor and the minor coordinator, the Department of Marine Affairs has voted to accept responsibility for the minor. Through several recent hires, the Marine Affairs program has enhanced teaching and research capacity in international development, especially related to coastal communities in the developing world. Required courses associated with the International Development minor will be taught by Marine Affairs faculty within the MAF program. The administration of the minor will be transitioned from the NRS department to the MAF department. The coordinator of the program will be the chair of the Marine Affairs department, until a minor coordinator is appointed.

The existing structure of the minor is as follows (includes a total of 18 credits with a maximum of six credits at the 100- or 200- level):

- 3 credits of NRS 300
- 6 credits of language requirement
- 3-6 credits of approved Internship (NRS 487)
- 3 credits of Seminar (NRS 496)

We are requesting that the required seminar NRS 496 (re-coded to MAF 496) be made an elective course for the minor, and that students be given an option to select 3-6 credits of electives from a list of relevant courses approved by the Coordinator of the International Development Minor (currently the Chair of the Marine Affairs program). URI offers many classes that would fulfill this requirement. All of the other requirements will stay the same (with new course codes for NRS 300—MAF/NRS 350--and NRS 487—MAF 450).

This change will also precipitate changes to the catalog for the BA and BS in Marine Affairs degrees as the new courses (NRS 350 and NRS 450) will be added to the options for those programs.

COLLEGE OF ARTS & SCIENCES:

Criminology and Criminal Justice

(Contact: Jill Doerner) (See Appendix C)

BA major:

Add SOC 303, Immersion in Juvenile Social and Legal Justice to the BA in Criminology and Criminal Justice major. SOC 303 can be used as one of the SOC courses required.

NEW COURSE CODES: (2)

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES:

Cell and Molecular Biology:

(Contact: Joel Chandlee) (See Appendix D)

New Course Code (BTC) Biotechnology and revisions to BS Biotechnology:

We are proposing a new course code designation (BTC) for four foundational courses and one new course in a newly established B.S. Biotechnology degree program. *All course code changes using BTC (currently designated as either CMB or MLS) are to be mapped to the CMB department under the new BTC code.*

COLLEGE OF BUSINESS:

(Contact: Doug Hales) (See Appendix E)

Changing BUS Prefixes to Area Specific Prefixes.

Create new course codes for:

BUS to INE (Innovation and Entrepreneurship)

BUS to SCA (Supply Chain Management)

BUS to BAI (Business Analytics and Intelligence)

Reactivate Previously used by College of Business:

BUS to ACC (Accounting)

BUS to FIN (Finance)

BUS to MGT (Management)

BUS to MKT (Marketing)

Notice of Change for: B.S. IN COMMUNICATIVE DISORDERS

Date:

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: CMD

College: College of Health Sciences

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

Initiation date: Fall, ~~2021~~2020

First degree date:

4. Intended location of the program

Not applicable

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

CMD 274 (Communication Processes) is being deleted from the undergraduate program in Communicative Disorders. This is currently a required course in the curriculum and there will be no new course to take its place. This change is being implemented for two reasons. First, the information in this course is contained in other classes in the departmental curriculum. Second, this course deletion will allow undergraduates to earn their degrees in a timely fashion.

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

This curriculum leads to a Bachelor of Science (B.S.) degree. Students seeking admission to this program must have completed 24 credits, received a grade of C or better in CMD 160, 272, and 273 and maintained a minimum cumulative GPA of 2.50. In addition to general education requirements and appropriate free

electives, there are 43 credits of required CMD courses plus nine credits of professional electives.

The required courses are CMD 160, 272, 273, ~~274~~, 276, 278, 361, 375, 377, 454, 460, 465, and 493G; and WRT 106 and 201. The remaining nine credits (three courses) must be selected from the following courses: ASL 101, 102; COM 221; CMD 175, 440, 492, 494; EDC 312; HDF 200, 201, 203, 312, 314, 400; HIS 117; LIB 150, 250; LIN 200, 220; PSY 200, 232, 254, 388, 442; SOC 224; STA 220.

With careful early planning, students can use free electives to achieve a double major or explore special-interest areas in depth. Students should anticipate the necessity for graduate study in speech-language pathology or audiology. The typical minimum entry requirement for graduate study is a grade point average of 3.3.

A total of 120 credits is required for graduation.

7. Signature of the President

A handwritten signature in black ink, appearing to read "David M. Dooley", written in a cursive style.

David M. Dooley

CURRICULAR WORKSHEET: DEPARTMENT OF COMMUNICATIVE DISORDERS

A total of 120 credits are required for graduation, which includes 40 Major Credits, 40 General Education Requirement Credits, and 9 Professional Elective Credits

Students seeking admission to this program must earn a grade of "C" or better in CMD 160, 272, and 273 and maintain a minimum GPA of 2.5

Name _____ Student ID _____

Advisor's Signature _____ Date _____

Program Requirements		
Credits Total	Semester	Credits
Two of the following: WRT106, WRT201, WRT332		6
Statistics course		3
CMD 160 (F/SP)		3
CMD 272 (F)		3
CMD 273 (F)		3
CMD 276 (SP)		3
CMD 278 (F)		3
CMD 361(F/SP)		3
CMD 375 (F)		3
CMD 377 (F/SP)		3
CMD 454 (F/SP)		3
CMD 460 (F)		3
CMD 465(F/SP)		4
CMD 493G (F/SP)		3

Professional Electives		
9 Credits Total	Course/Semester	Credits
COM 221		
ASL 101; ASL 102		
CMD 440; 494; 492		
EDC 312		
HDF 200; 201; 203; 312; 314; 400		
HIST 117		
LIB 150; 250		
LIN 200; 220		
PSY 232; 254; 300; 388; 442		
SOC 224		
STA 220		

Recommendations for students planning on pursuing graduate work in CMD (12 Credits Total)

Math Requirement (3 credits): A statistics course must be taken to satisfy this requirement

Natural Science Requirement (6 credits): 1 biological science course and 1 physics or chemistry course

Social Science Requirement (3 credits): 1 course in psychology, anthropology, sociology, or public health

Course (for example, BIO 101, and PHY 109 or CHEM 103)	Semester	Credits

General Education Requirements					
12 Outcomes/40 Credits Total					
	Credits Needed	Course	Grade	Semester	Credits
A. KnowlEdge					
A1. STEM	3				
A2. Social & Behavioral Science	3				
A3. Humanities	3				
A4. Arts & Design	3				
B. competencies					
B1. Write Effectively	3				
B2. Communicate Effectively	3				
B3. Mathematical, statistical, or computational strategies	3				
B4. Information Literacy	3				
C. Responsibilities					
C1. Civic knowledge	3				
C2. Global Responsibilities	3				
C3. Diversity and Inclusion	3				
D. Integrate & Apply					
D1. Ability to Synthesize	3				
Global Challenge					
G. One course of your 40 credits is required to be an approved "G" course.					

✓ 34

Free Electives, LM Credits Total)		
Course Name	Semester	Credits

Notice of Change form

Notice of Change for: International Development Minor

Date: 12/10/2019

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Natural Resources Sciences

College: CELS

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

Initiation date: ~~Fall 2019~~ FALL 2020

First degree date: ~~Spring 2020~~ Spring 2021

4. Intended location of the program

Coastal Institute Kingston

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

Students in the International Development minor are trained to successfully address global challenges associated with international development. Through a combination of coursework, practical experience and study abroad, students gain in-depth knowledge of and experiences associated with the social, cultural, political, and economic challenges in the developing world. The International Development minor is an existing program within CELS that, over the last two decades, has been housed in the Natural Resources Science Department. However, with the departure of its key instructor and the minor coordinator, the Department of Marine Affairs has voted to accept responsibility for the minor. Through several recent hires, the Marine Affairs program has enhanced teaching and research capacity in international development, especially related to coastal communities in the developing world. Required courses associated with the International Development minor will be taught by Marine Affairs faculty within the MAF program. The administration of the minor will be transitioned from the NRS department to the MAF department.

The coordinator of the program will be the chair of the Marine Affairs department, until a minor coordinator is appointed.

The existing structure of the minor is as follows (includes a total of 18 credits with a maximum of six credits at the 100- or 200- level):

- 3 credits of NRS 300
- 6 credits of language requirement
- 3-6 credits of approved Internship (NRS 487)
- 3 credits of Seminar (NRS 496)

We are requesting that the required seminar NRS 496 (re-coded to MAF 496) be made an elective course for the minor, and that students be given an option to select 3-6 credits of electives from a list of relevant courses approved by the Coordinator of the International Development Minor (currently the Chair of the Marine Affairs program). URI offers many classes that would fulfill this requirement. All of the other requirements will stay the same (with NRS 300 cross-listed as MAF 350 and new course codes for NRS 496 – MAF 496--and NRS 487—MAF 450).

This change will also precipitate changes to the catalog for the BA and BS in Marine Affairs degrees as the new courses (NRS 350 and NRS 450) will be added to the options for those programs.

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

7. Signature of the President



David M. Dooley

International Development

In addition to fulfilling all the basic requirements for a minor (see [Minor Fields of Study](#)), students who declare a minor in international development must complete the following requirements:

The international development minor is available to undergraduates interested in employment overseas or in domestic enterprises with international operations.

Students choosing this minor must complete 18 credits, with a maximum of six credits at the 100 or 200 level. Students must complete the following: 1) ~~NRS 300~~[MAF/NRS 350](#) (three credits); 2) language or culture (six to nine credits), to be met by the completion of at least six language credits through the intermediate level (103 or 104) or placement in the conversation and composition level (205 or 206) and completion of at least six credits in the same language or culture cluster (placement for course work is determined by the Educational Testing Service exam as administered by the University's Department of Modern and Classical Languages and Literatures in the following languages: French, Spanish, German, and Russian; the University also offers Portuguese and selected other languages that, with permission, could satisfy the requirement; six credits are allowed in the general education requirements for language and culture); 3) an approved internship, [research project, or study abroad experience](#) (three to six credits) providing international development experience during the junior or senior year (~~NRS 487~~[MAF 450](#)); and ~~3-6~~[three credits of an advanced-level seminar of electives approved by the Coordinator of the International Development Minor \(NRS 496\)](#). See "[Courses of Instruction](#)" later in this catalog for descriptions of ~~NRS 300~~[MAF/NRS 350](#), [and MAF 450](#)~~487, and 496~~.

The ~~Department of Marine Affairs, College of the Environment and Life Sciences~~ administers this program; interested students should contact Professor ~~Michael Rhee~~[Tracey Dalton](#) at mrhee@uri.edu[dalton@uri.edu](mailto:tdalton@uri.edu) or 401-874-~~2943~~[2434](#).

Marine Affairs

URI's Department of Marine Affairs offers the following degrees: B.A., B.S., M.A., M.M.A. (Master of Marine Affairs), and Ph.D.

The B.A. and B.S. in marine affairs focus on coastal and ocean areas and examine environmental resources, human uses, and governance from a variety of perspectives. Both degrees qualify for New England Regional Tuition. Topics include conservation, ocean policy and law, climate adaptation and resilience, tourism and recreation, environmental justice, ocean energy resources, coastal and island communities, ports and shipping, fisheries and marine ecosystems, spatial planning and management.

A marine affairs major establishes a background for careers in the public or private sectors in a wide variety of marine-related fields. Typical areas of employment include positions in government concerned with coastal zone, environmental, or fishery management, and marine transportation. In the private sectors, students have secured positions in environmental consulting firms, marine insurance, public interest nongovernmental organizations, marinas, ports, and companies involved in shipping. The major serves well as an educational background for continued study in law, especially environmental, fishery, coastal zone, admiralty, and ocean law. Students have also entered graduate and professional programs in environmental management, public administration, community planning, marine affairs, and related fields.

Students in the Department of Marine Affairs who participate in the New England Regional Student Program must maintain a 2.80 G.P.A. and take at least one MAF course per year to retain their New England regional tuition status. Failure to meet these objectives will result in suspension of the reduced tuition privilege. Reinstatement may occur if the student meets these requirements for one year after the time of the suspension.

Bachelor of Arts in Marine Affairs. Students selecting this field are required to complete the following required MAF courses (12 credits): MAF 100, 120, 220, and 410 [capstone]. Three of the following courses in social sciences and humanities (at least two must be in MAF): MAF 300, 310*, 312*, 340, [350*](#), 373 (370), [412G*](#), 413*, 445, [450*](#), 465*, 471*, 472*, 482, 499*, APG 203, EEC 105, HIS 130, PSC 113, PSC 116, SOC 100, or SOC 204. In addition, three of the following courses in coastal and marine policy and management: MAF 310*, 312*, 320, 330, [350*](#), [412G*](#), 413*, 415, [450*](#), 461, 465*, 471*, 472*, 475, 490, 499*. Asterisk indicates a class that could count in either category, but can only be counted once.

Students must also take STA 220 or 308 and OCG 108G, 110, 111, 123G or 301. STA 308 requires MTH 103, 107, 131 or permission of instructor.

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

Bachelor of Science in Marine Affairs. Students selecting this field must complete the following required MAF courses (15 credits): MAF 100, 120, 220, 410 [capstone], and 482. Three of the following courses in social sciences and humanities (two must be in MAF): MAF 300, 310*, 312*, 340, [350*](#), 373 (370), [412G*](#), 413*, 445, [450*](#), 465*, 471*, 472*, 499*; APG 203, EEC 105, HIS 130, PSC 113, PSC 116, SOC 100, or SOC 204. In addition, three of the following courses in coastal and marine policy and management:

MAF 310*, 312*, 320, 330, [350*](#), [412G*](#), 413*, 415, [450*](#), 461, 465*, 471*, 472*, 475, 490, 499*.

Asterisk indicates a class that could count in either category, but can only be counted once.

In addition to the above requirements, students must take OCG 108G, 110, 111, 123G or 301; STA 308 or 409. STA 308 requires MTH 103, 107, 131 or permission of instructor. STA 409 requires MTH 131.

Students must also select a total of 18 credits from classes with the following prefix, of which nine must be at the 300 level or above: AFS, BIO, CHM, EEC, GEO, NRS, OCE, OCG, PHY, STA.

A total of 120 credits is required for graduation.

Notice of Change form

Notice of Change for: Criminology and Criminal Justice – adding new course code to major electives

Date: Jan. 9, 2020

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Criminology and Criminal Justice

College: Arts and Sciences

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

Initiation date: May 1, 2020

First degree date: December (fall semester 2020), 2020

4. Intended location of the program

Unchanged location of program

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

No proposed new program

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

Below is the program/major description that is in the current Catalog. Changes have subsequently been proposed/submitted, but as yet, they are not approved. This change does not conflict with any changes that have recently been submitted.

Criminology and Criminal Justice

The interdisciplinary program in Criminology and Criminal Justice combines courses from six participating departments: sociology and anthropology, political science, psychology, gender and women's studies, economics, and chemistry, to provide students with a wide range of course options. Departments will contribute courses in sociology, law and the legal system, behavioral psychology, human trafficking, forensics/criminalistics and more to help students tailor their coursework based on their areas of interest, as well as educational and professional goals.

Faculty: Associate Professor Doerner, *Interim Director*. Assistant Professors Parry and Pifer.

The program leads to a Bachelor of Arts (B.A.) degree in Criminology and Criminal Justice.

The program requires 30-49 credits in the major including CCJ/SOC 230, CCJ/SOC/PSC 274(H), and CCJ/PSC/SOC 476. Students must select one research methods course from the following: ECN 306, PSC 310, PSY 200, or SOC 440 (301). If students are double majors with ECN, PSC, PSY, or SOC, this course will be accepted for the CCJ major, but the credits will need to be made up with an additional elective. Students are required to take six elective courses selected from the following two areas: *criminology electives* – GWS 365, 370, 401; PSY 254, 466; SOC 300 (approved topics), 370, 403, 410, 420, 450; *criminal justice electives* – CCJ 333; CHM 391 (must be repeated for a total of 3 credits), 392; PSC 334, 371, 388, 472; PSY 465; SOC 300 (approved topics), 303, 330, 331, 332, 403, 410. At least two courses must be taken from each elective area and no more than four courses can be taken in either area. All electives must be a minimum of 3 credits.

When appropriate, and by permission of the program director, students may substitute internship credit (SOC 477, PSC 375/376, PSY 305, or GWS 300) or independent study credit (SOC 498/499, PSC 455/456, PSY 489, or GWS 450) for one of their elective courses listed above. No more than 3 credits may be used toward the major from internship or independent study.

A total of 120 credits is required for graduation. At least 42 of these credits must be in courses at the 300-level or above. In order to transfer into the criminology and criminal justice B.A. program from University College for Academic Success, a student must have completed at least 24 credits and have earned a minimum of a 2.0 GPA.

7. Signature of the President

A handwritten signature in black ink, appearing to read "David M. Dooley", written in a cursive style.

David M. Dooley

Notice of Change form

Notice of Change for: Course Code Change for foundational courses in a new B.S.
Biotechnology degree

Date: 01/02/2020

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: Cell and Molecular Biology

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: 03/01/2020

First degree date: N/A

4. Intended location of the program

Providence Campus

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

We are proposing a new course code designation (BTC) Biotechnology, for four foundational courses and one new course in a newly established B.S. Biotechnology degree program. *All course code changes using BTC (currently designated as either CMB or MLS) are to be mapped to the CMB department under the new BTC code.*

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

B. Biotechnology

The B.S. in Biotechnology is designed to prepare students for professional careers in the rapidly growing biotechnology and biomedical industries. Students will be qualified to work in areas such as technical support, manufacturing and research. The major includes a 12-credit internship at a biotechnology or biomedical company. A few key courses are offered only at the Providence Campus where students learn in specialized biotechnology laboratories. All other courses are offered on the Kingston Campus with some courses on both campuses.

The following courses are required: BIO 101/103, 102/104, 341, BIO/CMB 352, BIO/CMB 437; BTC 102, 110, 195, 199*, 405; CHM 101/102, 112/114, 124/126; CMB 190, 211, 311, 333, and 437; MTH 103 or 111 and 131 or 141, or MTH 131 or 141 and STA 307, 308, or 409.

*While internships cannot be guaranteed, most students are able to secure positions. In lieu of an internship experience, students can take 12 credits of the following courses: CMB 320, CMB 334, CMB 421, CMB 432, CMB 435, CMB 450, CMB 464, CMB 482.

7. Signature of the President



David M. Dooley

ABOUT THE BS in BIOTECHNOLOGY

The Biotechnology major is designed to prepare students for professional careers in the biotechnology and biomedical industries in the areas of research and development, quality control, processing, operations, and technical support. This major requires some key courses to be taken at the Providence Campus. **Included is a 12-credit clinical internship at a regional biotechnology or biomedical company/organization.

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS**INTRODUCTION Requirement: (2 credits)**

Course	Semester	Credits	Grade
BTC 102		1	
URI 101		1	

BIOLOGY Requirement: (15 credits)

Course	Semester	Credits	Grade
*BIO 101		3	
*BIO 103		1	
*BIO 102		3	
*BIO 104		1	
BIO 341	Fall	3	
BIO/CMB 352			

CHEMISTRY Requirement: (12 credits)

Course	Semester	Credits	Grade
*CHM 101		3	
CHM 102		1	
CHM 112		3	
CHM 114		1	
CHM 124		3	
CHM 126		1	

MATH Requirement: (6-8 credits)

Select 1 from the following sequences:

Course	Semester	Credits	Grade
*MTH 103/111		3	
*MTH 131/141		3/4	
OR			
*MTH 131/141		3/4	
STA 307/308/409		3/4	

PHYSICS Requirement: (4 credits)

Course	Semester	Credits	Grade
*PHY 111		3	
*PHY 185		1	

*Course approved for general education.

Minimum 2.0 cumulative GPA required in major for graduation.

Minimum overall 2.0 cumulative GPA required for graduation.

CMB and MLS Course Requirements: (40 credits)

Course	Semester	Credits	Grade
BTC 110	Fall	4	
*CMB 190		3	
CMB 211		4	
CMB 311		3	
CMB 333	Fall	3	
BTC 405	Spring	3	
CMB 437	Spring	3	
BTC 195		5	
BTC 199		12	

The **12 credit MLS 199 internship can be taken in the summer following either after Freshman, Sophomore, or Junior Years. An internship cannot be guaranteed. In lieu of internship, 12 credits of selected courses from CMB 320, CMB 334, CMB 421, CMB 432, CMB 435, CMB 450, CMB 464, CMB 482.

Free Electives: These are courses not required by the major and do not fulfill general education.

Course	Semester	Credits	Grade

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.

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	3						
*BIO 103	1						
*BIO 102	3						
*BIO 104	1						
*CHM 101	3						
*MTH _____							
*PHY 111	3						
*PHY 185	1						
*CMB 190	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**

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 out of University College for Academic Success:

Minimum 24 credits and cumulative 2.0 GPA.

Advising Notes:

B.S. Biotechnology
Sample 4 Year Plan - Effective Fall 2019
College of the Environment & Life Sciences

Freshman Year Fall Semester

Course Code	Description	Credits
URI 101	Planning for Academic Success	1
BIO 101/103	Principles of Biology I/Lab	4
CHM 101/102	General Chemistry I/Lab	4
MTH 103, 111, 131, OR 141	Precalculus or Calculus <i>Refer to page 1 for math sequence</i>	3/4
BTC 110	Introduction to Biotechnology	4
		16-17

Freshman Year Spring Semester

Course Code	Description	Credits
BIO 102/104	Principles of Biology II/Lab	4
CHM 112/114	General Chemistry II/Lab	4
BTC 102	Intro to Clinical Lab Science	1
BTC 195	Biotech. Manufacturing Methods	5
CMB 190	Issues in Biotechnology	3
		17

Freshman or later Summer*

Course Code	Description	Credits
BTC 199	Internship	12

Year 1 Milestones: Complete BIO 101, 103, 102, 104, CHM 112/114 CMB 110,190 MLS 195 and a cumulative GPA of 2.0 or higher.

Sophomore Year Fall Semester

Course Code	Description	Credits
CMB 211	Microbiology	4
PHY 111/185	General Physics I/Lab	4
CHM 124/126	Intro Organic Chemistry/Lab	4
	General Education Course	3
		15

Sophomore Year Spring Semester

Course Code	Description	Credits
BIO/CMB 352	Genetics	4
MTH 131/141 or STA 307/308/409	Calculus or Statistics <i>Refer to page 1 for math sequence</i>	3-4
CMB 311	Biochemistry	3
	General Education Course	3
		13-14

Year 2 Milestones: Complete BIO/CMB 352, MTH 131/141, CHM 124, 126, CMB 211. Meet with a Biotechnology Faculty advisor to plan year 3 and 4 courses. Earn at least 70 total credits with a cumulative GPA of 2.0 or higher.

Junior Year Fall Semester

Course Code	Description	Credits
BIO 341	Cell Biology	3
CMB 333	Immunology	3
	General Education or Elective	3-4
	General Education or Elective	3-4
		12-14

Junior Year Spring Semester

Course Code	Description	Credits
CMB 437	Fundamentals of Molecular Bio.	3
BTC 405	Drug Discovery and Development	3
	General Education or Elective	3-4
	General Education or Elective	3-4
		12-14

Year 3 Milestones: Complete BIO 341, CMB 333, 405, 437, PHY 111, 185. Meet with a Biotechnology Faculty advisor to plan year 4 courses. Earn 90 total credits with a cumulative GPA of 2.0 or higher. Prepare intent to graduate with faculty advisor for Fall submission.

Senior Year Fall Semester

Course Code	Description	Credits
	General Education or Elective	3
	General Education or Elective	3
	General Education or Elective	3
	General Education or Elective	3
		12

Senior Year Spring Semester

Course Code	Description	Credits
	General Education or Elective	3
	General Education or Elective	3
	General Education or Elective	3
	General Education or Elective	3
		12

Year 4 Milestones: Complete remaining Biotechnology required concentration courses Earn total 120 credits with a cumulative GPA of 2.0 or higher. Minimum 2.0 cumulative gpa in BIO/CMB/MLS concentration courses.

**The 12 credit MLS 199 internship can be taken either after Freshman, Sophomore, or Junior Years. An internship cannot be guaranteed. In lieu of internship, 12 credits of selected courses from CMB 320, CMB 334, CMB 421, CMB 432, CMB 435, CMB 450, CMB 464, CMB 482.

Notice of Change form

Notice of Change for: Changing BUS Prefixes to Area Specific Prefixes

Date: February 04, 2020

A. PROGRAM INFORMATION

1. Name of institution

University of Rhode Island

2. Name of department, division, school or college

Department: NA

College: Business

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

Initiation date: Fall 2020

First degree date: Spring 2021

4. Intended location of the program

College of Business

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

BUS to Area Prefix Codes (new course codes in bold; reactivate previously used codes not in bold)

BUS to ACC (Accounting courses)

BUS to INE (Innovation and Entrepreneurship)

BUS to SCA (Supply Chain Management)

BUS to FIN (Finance)

BUS to MGT (Management)

BUS to MKT (Marketing)

BUS to BAI (Business Analytics and Intelligence)

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

All URI catalog changes are reported in Appendices "A" for each Area in the Faculty Senate Google Drive.

7. Signature of the President

A handwritten signature in black ink, appearing to read "David M. Dooley", written in a cursive style.

David M. Dooley