Marine Biology - BS

THE UNIVERSITY OF RHODE ISLAND

Student:	
Student ID:	
Advisor:	

EL MBIO BS 120 Credits Total

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

Required BIO, Biology Core and Marine Biology Elective courses (36 credits required)

Must earn a 2.0 GPA in thsee 36 credits in order to graduate.

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: each course must be in a different category (5 categories are below)

Cell & Development: BIO 302, 311, 341				
Course Semester Credits Grade				
Ecology & Evolution: BIO 262, 272				
Course	Semester	Credits	Grade	

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Course	Semester	Credits	Grade

Organismal Biology: BIO 308, 310, 321, 323, 354, 365, 366, 385, 404, 412, 417, 425G, CMB 211

Course	Semester	Credits	Grade	
Physiology: BIO 201, 346				
Course Semester Credits Grade				

*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.

MARINE BIOLOGY Elective Requirement:

(balance of 36 credits)

Choose from the following:

BIO: 256G, 308, 310, 345, 354, 355, 365, 412, 416, 422, 425G,

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	

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS CONTINUED

CHEMISTRY Requirement: (15-16 credits)

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

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	

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

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 GPA required in the 36 credits in BIO/Marine Biology for graduation.

Minimum overall 2.0 cumulative GPA required in the total 120 credits required for graduation.

THE UNIVERSITY OF RHODE ISLAND

Marine Biology - B.S. 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. https://web.uri.edu/general-education/.

Step 2: LIST COURSES THAT MEET GEN ED

	Gen	eral Edu	cation	Credit Cou	nt	
	At least 4	0 credits	, no m	ore than 12	credits	
	w	ith the s	ame c	ourse code		
Course	Credits	Grade		Course	Credits	Grade
*BIO 101	3					
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 Out	come Audit	
	Course	Grade
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	*MTH	
computational strategies	WITT	
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 2021 *College of the Environment and Life Sciences*

	Freshman Year Fall Semest	er
ourse Code	Description	Cr
101, 103	Principles of Biology, Lab	4
HM 101, 102	General Chemistry, Lab	4
ИТН 111 ог ИТН 131	Precalculus or Applied Calculus 1	3
151	*General Education Course	3-4
O 130	Topics in Marine Biology	1
		15-17
ear 1 Miles	tones: Complete BIO 101, 10	3, 102, 104, C
	Sophomore Year Fall Semes	ter
Course Code	Description	Cr
360 or rine BIO core	Marine Biology or Biology Core	3-4
M 124,126, or or 112,114	Intro to Organic Chem., Lab, o r Organic Chemistry Lecture or General Chemistry Lecture 2, Lab	4
ctive or *MTH cor STA 308	Elective, or Applied Calculus II, or Statistics	3-4
	*General Education Course	3-4
		15-17
Course Code	Junior Year Fall Semester	Cr
Lourse Code	Description	Cr
) 352 or Marine logy Elective	General Genetics or Marine Biology Elective	3-4
HY 111, 185	General Physics, Lab	4
IM 226 and/or 8 or CMB 311 Elective	Organic Chemistry Lecture, Organic Chemistry Lecture 2, or Introductory Biochemistry, or Elective	3-5
	*General Education Course	3-4
	· · · · · · · · · · · · · · · · · · ·	15-17
	advisor for fall submission.	
	Senior Year Fall Semeste	
Course Code	Description	Cr
	Marine Biology Elective	3-4
	Marine Biology Elective	3-4
	*General Education Course	3-4
G 301 or ective	General Oceanopgrahy or Elective	3-4

Minimum overrall 2.0 cumulative GPA required for graduation.