Cell & Molecular Biology	THE UNIVERSITY OF RHODE ISLAND	Student:	
General Option		Student ID:	
EL_CMBI_BS		Advisor:	
120 Earned Credits Total			
ABOUT Cell & Molecular	Biology - General Option:		
The General Cell and Molecu	ılar Biology Option is designed to offer students flexibi	lity in pursuing	their interests.
Students choosing this option	on need to meet with an advisor early in their academi	c career to desi	gn a personal plan.

			A REQUIREM	ENTS		
	olecular Biolo	• • • • • • • • • • • • • • • • • • •	General			40 Credits
Concentr	ation Course	S				(15 Credits
Course Nan	ne		Course #	Semester	Credits	Grade
Integrative	e Microbiology		*CMB 211		4	
Introducto	ory Biochemist	ry	CMB 311		3	
Immunolo	gy and Serolog	gy	CMB 333		3	
General G	enetics		CMB (BIO) 3	52	4	
Seminar ir Biology	n Cell and Mole	ecular	CMB 495		1	
Biologica	l Sciences (BI	O)				(3 Credits)
Course Na	me		Course #	Semester	Credits	Grade
Principles	of Cell Biology		CMB (BIO) 3	41	3	
CMB Lab	oratory Cour	ses: Select	t 4 credits fro	m the following		(4 Credits)
list of app	proved labor	atory cour	ses			
Course Nan	ne		Course #	# Semester		Grade
Introducto	ory Biochemist	ry Lab	CMB 312		2	
Genetics L	aboratory.		CMB (BIO) 3	53	1	
Advanced	Biochemistry	Lab I	CMB 412		3	
Advanced	Microbiology	Lab I	CMB 415		2	
Advanced	Microbiology	Lab II	CMB 416		2	
Professio	nal Electives	:				(18 Credits)
Select 18 and PHY	-	the follow	ving: Any 30	0 level or higher	CMB course,	, BPS 535,
Course #	Semester	Credits	Grade			
			 			
			_!			

Course #	Semester	Creaits	Grade

iviinimum 2.0 cumulative GPA required in
major and overrall for graduation.
Major GPA =
Overall GPA =
*Course fulfills general education and a major requirement

Course fulfills general education and a major requirement

Step 1: REVIEW YOUR PROGRAM REQUIREMENTS CONTINUED:

Introduction Requirem	ent	(1	credit)
Course	Semester	Credits	Grade
URI 101		1	

BIOLOGY	(8 credit			
Course	Semester	Credits	Grade	
*BIO 101		3		
*BIO 103		1		
*BIO 102		3		
*BIO 104		1		

CHEMISTRY Requireme	(16-18	(16-18 credits)		
Course	Semester	Credits	Grade	
*CHM 101		3		
CHM 102		1		
OR				
CHM 191		5		
AND				
Course	Semester	Credits	Grade	
CHM 112		3		
CHM 114		1		
OR				
CHM 192		5		
AND				
Course	Semester	Credits	Grade	
CHM 227		3		
CHM 228		3		
CHM 226		2		

FREE ELECTIVES			
Course	Semester	Credits	Grade

MATH Requirement:	t: (6-8 credits		
Course	Semester	Credits	Grade
*MTH 131		3	
OR			
*MTH 141 Preferred		4	

AND 1 OF THE FOLLOWING: MTH *111, 132, *142; *CSC 201; STA 307, 308, or 409

Course	Semester	Credits	Grade

PHYSICS Requiremen	(8 c	redits)	
Course	Semester	Credits	Grade
*PHY 111		3	
*PHY 185		1	
OR			
*PHY 203		3	
*PHY 273		1	
AND			
Course	Semester	Credits	Grade
*PHY 112		3	
*PHY 186		1	
OR			
*PHY 204		3	
*PHY 274		1	

Effective: 2022-2023

Cell & Mole	ecular Bio	logv - B.S	. THE UNI	/ERSITY	OF RHO	ODE ISLAND Student:		
General Op						Student ID:		_
120 Total E		edits				Advisor:		_
								_
	ucation is	40 credit	ts. Each of the			s (A1-D1) must be met by at least 3 credit be double counted towards the 40 credit		
	eral educa			•		than twelve credits can have the same co equirements of the major or minor when		
LIST COURS	SES THAT	MEET GE	NERAL EDUCA	ATION:		LIST COURSE AS EACH OUTCOME IS N	IET:	
	Gener	al Educati	ion Credit Cou	ınt		General Education Outcome	Audit	
At	least 40 d	redits, no	more than 1	2 credits			Course	Grade
	with	the same	e course code			KNOWLEDGE		
Course	Credits	Grade	Course	Credits	Grade	A1. STEM		
						A2. Social & Behavioral Sciences		
						A3. Humanities		
						A4. Arts & Design		
						COMPETENCIES		
						B1. Write effectively		
						B2. Communicate effectively		
						B3. Mathematical, statistical, or		
						computational strategies		
						B4. Information literacy		
						RESPONSIBILITIES		
			Total			C1. Civic knowledge & responsibilities		
			Credits			C2. Global responsibilities		
	<u> </u>		0.00.00			C3. Diversity & Inclusion		
NOTE: DECA	LICE MOCT	COLIDEEC	NASST NAODS T	LIANI ONE		INTEGRATE & APPLY		
			MEET MORE T DIT MIGHT BE (D I	D1. Ability to synthesize		
			EDITS. HOWEV			GRAND CHALLENGE		
STILL COMP	LETE 40 CR	EDITS OF	GENERAL EDUC	ATION				
*course ful	fills gene	ral educat	tion and a ma	jor requi	rement	G. At least one course of your 40 credits is an approved "G" course		
-	30 credi				-	college for Academic Success is: 2.0 or better.		

Effective: 2022-2023

B.S. Cell & Molecular Biology -General Option Sample 4 Year Plan - Effective Fall 2022 College of the Environment & Life Sciences

Freshman Year Fall Semester

Freshman Year Spring Semester

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Course Code	Course Code Description	
URI 101	Planning for Academic Success	
*BIO 101/103	Principles of Biology I/Lab	
*CHM 101/102	General Chemistry I/Lab	4
*MTH	MTH Precalculus, Applied Calculus I, or Introductory Calculus	
	*General Education	3-4
		15-17

Course Code	Description	
*BIO 102/104	Principles of Biology II/Lab	
*CHM 112/114	General Chemistry II/Lab	4
	2nd required CSC, MTH, or STA course	
	*General Education	3-4
	*General Education	3-4
		15-17

Year 1 Milestones: Complete BIO 101, 103, 102, 104, CHM 101, 102, 112, 114, MTH 131 or 141. Earn 30 credits with a cumulative GPA of 2.0 or higher.

Sophmore Year Fall Semester

Sonhmore	Year Spring	Semester

Course Code	Description	Cr
CHM 227	Organic Chemistry Lecture I	3
*CMB 211	Intgrative Microbiology	4
*PHY	General Physics I Lecture/Lab	
	*General Education	3-4
	*General Education	3-4
		15-17

Course Code	Description		
CHM 228	Organic Chemistry Lecture II		
CMB 311	Introductory Biochemistry Lecture	3	
*PHY	General Physics II Lecture/Lab	4	
	*General Education		
	*General Education	3-4	
		15-17	

Year 2 Milestones: Complete CMB 211. Begin Organic Chemistry sequence. Begin Physics sequence. Meet with a CMB Faculty advisor to discuss research/internship opportunities and plan year 3 and 4 courses. Earn 60 total credits with a cumulative GPA of 2.0 or higher.

Junior Year Fall Semester

Junior	Year	Spring	Semester

Course Code	Description	
CHM 226	Organic Chemistry Lab	
CMB 333	Immunology and Serology	
BIO 341	Cell Biology	
	*General Education/Free Elective	
	*General Education/Free Elective	3-4
		15-17

Course Code	Description	
CMB 352	General Genetics	
СМВ	CMB Laboratory course	
	Professional Elective	
	*General Education/Free Elective	3-4
	*General Education/Free Elective	3-4
		15-17

Year 3 Milestones: Complete BIO 341 (341 is only taught in the fall semester) CMB 333, & 352. Complete Organic Chemistry sequence. Meet with a CMB Faculty advisor to plan year 3 and 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

Senior Year Spring Semester

Course Code	Description	Cr
CMB 495	Seminar in Cell & Molecular Biology	1
СМВ	CMB Laboratory Course	2-3
	Professional Elective	
	Professional Elective	
	*General Education/Free Elective	3-4
		15-17

Course Code	Description	Cr
	Professional Elective	3-4
	Professional Elective	
	*General Education/Free Elective	
	*General Education/Free Elective	3-4
		15-17

Year 4 Milestones: Complete CMB 495, and at least 1 CMB Lab course. Earn total 120 credits with a cumulative GPA of 2.0 or higher. Minimum 2.0 cumulative GPA in CMB concentration courses.