

FACULTY OF SCIENCE, APPLIED SCIENCE, & ENGINEERING

Degree Checklist - BSc. Marine Biology (Start Fall 2019 or later)



GENERAL INFORMATION TOTAL CREDIT HOURS - 139

Last Name:	First Name:	Student ID:
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REQUIRED COURSES

<input type="checkbox"/>	BIOL 1105 - Biological Principles I	3ch	Y1	<input type="checkbox"/>	MATH 1001 - Calculus for Life Sciences	3ch	Y1
<input type="checkbox"/>	BIOL 1017 - Applications in Biology II	2ch	Y1	<input type="checkbox"/>	CHEM 1041 - General Chemistry I	3ch	Y1
<input type="checkbox"/>	BIOL 1202 - Intro to Marine Science	3ch	Y1	<input type="checkbox"/>	CHEM 1046 - Intro Chemistry Lab I	2ch	Y1
<input type="checkbox"/>	BIOL 1205 - Biological Principles II	3ch	Y1	<input type="checkbox"/>	CHEM 1072 - General Chemistry II	3ch	Y1
<input type="checkbox"/>	BIOL 2585 - Intro to Ecology	4ch	Y2	<input type="checkbox"/>	CHEM 1077 - Intro Chemistry Lab II	2ch	Y1
<input type="checkbox"/>	BIOL 2615 - Intro Zoology	5ch	Y2	<input type="checkbox"/>	CHEM 2421 - Organic Chemistry I	3ch	Y2
<input type="checkbox"/>	CHOOSE THREE¹ - BIOL 2015 (Intro Genetics), BIOL 2065 (Intro Biochemistry), BIOL 2125 (Intro Botany), BIOL 2245 (Intro Molecular Cell Biol), or BIOL 2485 (Intro Microbiology)		Y2	<input type="checkbox"/>	GEOL 1044 - The Earth: It's Origin and Evolution	5ch	Y1
<input type="checkbox"/>				PHYS 1011 ² - Introductory Physics I	3ch	Y1	
<input type="checkbox"/>				PHYS 1021 ² - Experiments in Introductory Physics I	2ch	Y1	
<input type="checkbox"/>	BIOL 3022 - Evolution	3ch	Y3	<input type="checkbox"/>	STAT 1793 - Intro Probability and Statistics I	3ch	Y1
				<input type="checkbox"/>	STAT 2793 - Intro Probability and Statistics II	3ch	Y2

Note 1: Taken in Year 2. Additional courses taken in the 'CHOOSE THREE' box will count toward upper level biology requirements.
2: These may be replaced with PHYS 1801 or other approved 5ch Physics.

REQUIRED BIOLOGY - 3000 OR 4000 LEVEL 43 CH* * including min 30 ch marine content

<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

NON-BIOLOGY ELECTIVES - 12 CH (Any course that is not from Biology and is usable toward a SASE degree)

<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

FREE ELECTIVES

Approximately 16 ch - these selections must bring the total credit hours to 139

<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

HONOURS (not required for major): To apply, inquire with faculty member during 3rd year

<input type="checkbox"/>	Biol 4090 - Honours Project (can count towards 43 chs of upper level biology)
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Attention: This guide is meant to be an informal guide to your major. Course selections should always be checked and approved with the academic advisor. If any irregularities occur - the academic calendar will be the final source for decisions. **Students are responsible for their own academic choices and should always consult the academic calendar prior to academic decisions.** Electives must include any general degree requirements. See UNB calendar for regulations governing course selection.

Date	Comments	Student	Advisor

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Course Code	Marine Content Courses	Credit hours
BIOL3165	Marine Ecology	4
BIOL3622	Current Topics in Aquaculture	3
BIOL3625	Structure and Functions of Marine Invertebrates	5
BIOL3755	Fish Biology	5
BIOL3765	Fisheries Ecology	3
BIOL3875	Tropical Marine Biology	5
BIOL3903	Diversity and Habitats of Marine Organisms	5
BIOL3913	Adaptations of Marine Organisms	5
BIOL3922	History and Development of Aquaculture	3
BIOL3923	History and Development of Marine Aquaculture	2
BIOL3933	Directed Studies in Marine Sciences	5
BIOL3943	Current Topics in Marine Sciences	2
BIOL3953	Ecology of Estuarine Fishes	3
BIOL3955	Biological Oceanography	4
BIOL4325	Biology of Marine Birds	4
BIOL4373	Tropical Marine Biology Field Courses	3
BIOL4445	Marine Behavioral Ecology	3
BIOL4645	Biology and Conservation of Marine Mammals	3
BIOL4663	Advanced Elasmobranch Studies	3
BIOL4693	Diversity and Systematics of Marine Invertebrates	4
BIOL4775	Physiology of Marine Vertebrates	3