

# FACULTY OF SCIENCE, APPLIED SCIENCE, & ENGINEERING

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



## GENERAL INFORMATION

**TOTAL CREDIT HOURS - 136**

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"/>	CHEM 1041 - General Chemistry I	3ch	Y1
<input type="checkbox"/>	BIOL 1205 - Biological Principles II	3ch	Y1	<input type="checkbox"/>	CHEM 1046 - Intro Chemistry Lab I	2ch	Y1
<input type="checkbox"/>	BIOL 1017 - Applications in Biology II	2ch	Y1	<input type="checkbox"/>	CHEM 1072 - General Chemistry II	3ch	Y1
<input type="checkbox"/>	BIOL 1302 - Intro to Env. Biology	3ch	Y1	<input type="checkbox"/>	CHEM 1077 - Intro Chemistry Lab II	2ch	Y1
<input type="checkbox"/>	BIOL 2585 - Intro to Ecology	4ch	Y2	<input type="checkbox"/>	CHEM 2421 - Organic Chemistry I	3ch	Y2
<input type="checkbox"/>	BIOL 2615 - Intro Zoology	5ch	Y2	<input type="checkbox"/>	CHEM 2422 Org. Chem II <b>OR</b> Chem 3245 Env. Chem.	3ch	Y2
<input type="checkbox"/>	<b>CHOOSE THREE<sup>1</sup></b> - BIOL 2015 (Intro Genetics), BIOL 2065 (Intro Biochemistry), BIOL 2125 (Intro Botany), BIOL 2245 (Intro Molecular Cell Biol), or BIOL 2485 (Intro Microbiology)		Y3	<input type="checkbox"/>	PHYS 1011+1021 or PHYS 1801	5ch	Y1
<input type="checkbox"/>				GEOL 1044 - The Earth: It's Origin and Evolution	5ch	Y1	
<input type="checkbox"/>				STAT 1793 - Intro Probability and Statistics I	3ch	Y2	
<input type="checkbox"/>	BIOL 3022 - Evolution	3ch	Y3	<input type="checkbox"/>	STAT 2793 - Intro Probability and Statistics II	3ch	Y2
<input type="checkbox"/>	SOCI 1001 - Introduction to Sociology	3ch	Y2/3/4	<input type="checkbox"/>	ECON 1013 - Intro to Microeconomics	3ch	Y1
<input type="checkbox"/>	Any 2000+ Sociology	3ch	Y2/3/4	<input type="checkbox"/>	ECON 1023 - Intro to Macroeconomics	3ch	Y1
<input type="checkbox"/>	MATH 1001 - Calculus for Life Sci	3ch	Y1	<input type="checkbox"/>	ECON 3755 - Environmental Economics	3ch	Y3/4

<sup>1</sup>Taken in year 2. Additional courses from the "Choose Three" category may be counted toward upper level Biology requirements.

## REQUIRED BIOLOGY: 30 ch Biology 3000/4000 level\*

\*must include min 16ch of environmental content, and min 3ch each of botany, ecology, and zoology (check with advisor for course approval). Biol 4090 and the two remaining second year elective biology courses (BIOL 2015, 2065, 2125, 2245, 2485) can also count here.

<input type="checkbox"/>	Botany:	<input type="checkbox"/>	Env:
<input type="checkbox"/>	Ecology:	<input type="checkbox"/>	Env:
<input type="checkbox"/>	Zoology:	<input type="checkbox"/>	Env:
<input type="checkbox"/>		<input type="checkbox"/>	Env:
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

## ELECTIVES - Approximately 20 ch - these selections must bring the total credit hours to 136

<input type="checkbox"/>	5ch Non-Bio Science -	<b>FREE ELECTIVES</b>	
<input type="checkbox"/>	3ch ARTS/BUSINESS -	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3ch ARTS/BUSINESS -	<input type="checkbox"/>	<input type="checkbox"/>

**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

<b>Course Code</b>	<b>Environmental Content Courses</b>	<b>Credit hours</b>
BIOL 3055	Animal Physiology I	4
BIOL/CHEM 3245	Environmental Chemistry	4
BIOL 3565	Conservation Biology	4
BIOL 3665	Environmental Law	3
BIOL 4115	Landscape Ecology	4
BIOL 4645	Biology and Conservation of Marine Mammals	3
BIOL 4775	Physiology of Marine Vertebrates*	3
BIOL 4825	Introduction to Ecotoxicology	4
BIOL 4861	Advanced Environmental Biology	4
BIOL 4875	Environmental Techniques	4
GEOL 3442	Environmental Geology	3

\* Pending approval by instructor as course content may vary.