

Fall 2014 Bachelor of Science Junior Audit for
Biology
Marine & Aquatic Biology Specialization

Name _____ BGSU ID _____

Return Address _____

Phone Number _____ Expected Date of Graduation _____

BG Perspective Requirements: 2 Natural Sciences _____, 2 Social Sciences _____,
2 Arts & Humanities _____, International Perspective _____, Cultural Diversity _____,
GSW 1120 _____, Quantitative Literacy (Group C Recommended) _____

These courses may apply toward the requirements listed below

I. English Composition (Only 6 hours GSW 1100, 1110, 1120 will apply towards graduation)

Hrs	Grade	
_____	_____	GSW 1100/1110
_____	_____	GSW 1120

II. Foreign Language (_____ yrs HS _____)

(Courses used for the foreign language requirement may not be used for major or minor requirements)

_____	_____	1010 _____
_____	_____	1020 _____
_____	_____	2010 _____
_____	_____	2020/2120 _____

III. Science & Math

45 hours in 2 or more areas including major and lab science sequence

_____	_____	MATH 1310 (or 1340 & 1350) (QL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BIOL 2040 Concepts in BIOL I
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BIOL 2050 Concepts in BIOL II
_____	_____	_____
_____	_____	_____
_____	_____	_____

IV. Social Sciences

Choose 4 courses

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

V. Arts & Humanities

4 courses, at least 1 literature and 1 fine art

_____	_____	Literature _____
_____	_____	Fine Arts _____
_____	_____	_____
_____	_____	_____

Additional Biology Required Courses: Chemistry & Physics

5	CHEM 1250 or 1350 General Chemistry
4	CHEM 1270 or 1370 General Chemistry
1	CHEM 1280 or 1380 Gen Chemistry Lab
4-5	CHEM 3060 or 3410 Organic Chemistry
5	PHYS 2010 College Physics I

Major Requirements (36+ hours)

Core courses in Biology (15 hours)

Hrs	Grade	
1	_____	BIOL 2000 Biology Today
5	_____	BIOL 2040 Concepts in Biology I
5	_____	BIOL 2050 Concepts in Biology II
4	_____	BIOL 3500 Genetics

Ensure that you have at least 10 hours of Biology courses at the 4000-level selected from any of the elective groups listed below. Complete courses required for the Specialization and Biology electives. For electives, select at least 1 course from each of Groups A-D.

Marine & Aquatic Biology Specialization

Courses required (11+ hours)

3	_____	BIOL 3540 Principles of Ecology
3	_____	BIOL 3700 Intro to Inland Marine Res
3	_____	BIOL 3740 Marine Biology
1	_____	BIOL 4520 or BIOL 4540
1-6	_____	Field Course (BIOL 4750, 4870, or 4880)

A maximum of 5 credit hours from the following courses may be included in the required 10 credit hours of 4000-level Biology required for the major: BIOL 4010, 4520, 4530, 4540, 4700, 4890. These courses may be repeated.

Group A: Ecology & Conservation

3	_____	BIOL 4090 Conservation Biology
3	_____	BIOL 4100 Conservation Biology in Practice
3	_____	BIOL 4160 Landscape Ecology
4	_____	BIOL 4200 Animal Behavior
4	_____	BIOL 4220 Restoration Ecology
3	_____	BIOL 4250 Limnology
3	_____	BIOL 4290 Evolutionary Ecology
3	_____	BIOL 4410 Chemical Ecology
4	_____	BIOL 4450 Environmental Microbiology
3	_____	BIOL 4510 Evolution
3	_____	BIOL 4710 Sensory Ecology
3	_____	ENVS 4120 Great Lakes Ecosystems

Group B: Biodiversity

3	_____	BIOL 3010 Field Biology of the Vertebrates
4	_____	BIOL 3130 Microbiology
4	_____	BIOL 3430 Botany
4	_____	BIOL 4050 Parasitology
4	_____	BIOL 4140 Plant Taxonomy and Evolution
4	_____	BIOL 4240 Algology
4	_____	BIOL 4270 Invertebrate Biology
4	_____	BIOL 4350 Entomology
3	_____	BIOL 4720 Ichthyology
4	_____	BIOL 4730 Mammalogy
3	_____	BIOL 4760 Herpetology
3	_____	BIOL 4770 Ornithology

Fall 2014 Bachelor of Science Junior Audit for
Biology
Marine & Aquatic Biology Specialization

Group C: Cell, Molecular & Regulatory Biology

4	BIOL 4070 Cell Biology
3	BIOL 4080 Molecular Biology
4	BIOL 4110 Animal Physiology
4	BIOL 4170 Plant Molecular Biology
3	BIOL 4180 Neurophysiology
3	BIOL 4210 Molecular Biotechnology
3	BIOL 4310 Developmental Biology
3	BIOL 4370 Light Microscopes and 3D Imaging
4	BIOL 4380 Endocrinology
3	BIOL 4390 Immunobiology
3	BIOL 4400 Molecular Neurobiology
3	BIOL 4420 Virus and Plasmid Biology
3	BIOL 4430 Microbial Physiology
4	BIOL 4460 Scanning Electron Microscopy
3	BIOL 4470 Microbial Genetics
3	BIOL 4660 Genomics

Group D: Quantitative & Applied Science

1-4	BIOL 4010 Biological Research
1-3	BIOL 4890 Biology Internship
3	GEOG 4130 Introduction to Remote Sensing
4	GEOG 4240 Geog. Info. Systems
4	GEOL 4400 Geologic Remote Sensing
3	SEES 3000 Geospatial Science
3	Statistics (STAT 2110, MATH 2470, BIOL 4620)

Biology Electives: These courses do not meet the group requirements but do count toward the 10 hours of required courses at the 4000 level: BIOL 4500, 4700, 4900.

Minor Requirements: A “general science” minor is offered to students in place of a conventional minor. Consult your Faculty Advisor. (A conventional minor may also be chosen, usually 20 hours, **no** Biology courses can be used.)

INSTRUCTIONS:

You must complete an official junior audit with your college advisor during your **junior** year [60-89 hours]. To do so, you must schedule an appointment with a college advisor. You should bring a completed copy of this check sheet and a current copy of your Degree Audit Reporting System (DARS) report. Your college advisor will provide you with a detailed form that specifies your remaining requirements for graduation.

FOR GRADUATION YOU WILL NEED

1. Minimum GPA 2.00
2. 122 credit hours minimum, and,
3. A major, and if required, a minor, specialization or emphasis
4. 40 credit hours at the 3000/4000 level
5. Completion of all degree requirements, including the BG Perspective Core
6. At least 30 credit hours of BGSU course work
7. An official audit completed during the junior year, on file in the College Office

Any substitution or waiver of courses required for your major program **must** originate in the department/school offering the major program and **must** be approved by the College Office.

To ensure a timely graduation, see a **College Advisor** during the semester prior to your intended graduation.

Remember to complete an **Application for Graduation** by the end of the second week of classes during the fall and spring semesters, or by the end of the first week of the summer semester. For the specific dates, check with the College office or the Office of Registration and Records. You may log onto **MyBGSU** to complete the on-line application. After the deadlines, you will need to complete an application in person in the College office.

College Advisor's Signature Date

Student's Signature Date