

2010/11 Bachelor of Science Junior Audit for

College of Arts & Sciences

205 Administration Building
419-372-2015

Biology

Ecology & Conservation Biology Specialization

Biological Sciences

217 Life Science Building
419-372-2332

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 _____
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)
X	X	BIOL 2040 Concepts in BIOL I
X	X	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

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, 4890.

Major Requirements (36-37 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

Select 1 elective course to complete Biology Major Group requirement

4	_____	BIOL 4070 Cell Biology
3	_____	BIOL 4080 Molecular Biology
4	_____	BIOL 4110 Animal Physiology
3	_____	BIOL 4210 Molecular Biotechnology

Ecology & Conservation Biology Specialization

Courses required (9 hours)

3	_____	BIOL 3540 Principles of Ecology
3	_____	BIOL 4090 Conservation Biology
3	_____	BIOL 4510 Evolution

Electives (9 hours with at least 3 credit hours in each of the following 3 groups)

Group A: Ecology & Conservation

3	_____	BIOL 4100 Conservation Biology in Practice
3	_____	BIOL 4160 Landscape Ecology
3	_____	BIOL 4200 Animal Behavior
3	_____	BIOL 4220 Plant Ecology
3	_____	BIOL 4250 Limnology
3	_____	BIOL 4450 Environmental Microbiology
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
3	_____	BIOL 3740 Marine Biology
4	_____	BIOL 4050 Parasitology
4	_____	BIOL 4140 Plant Taxonomy and Evolution
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

Group C: Quantitative & Applied Science

1-4	_____	BIOL 4010 Biological Research
1-3	_____	BIOL 4520 Aquarium Husbandry
1-3	_____	BIOL 4530 Amphibian & Reptile Husbandry
1	_____	BIOL 4540 Biology Learning Environment Tours
3	_____	BIOL 4620 Principles of Biometry
1-3	_____	BIOL 4890 Biology Internship
3	_____	ENVS 3010 Environmental Problems
3	_____	ENVS 4020 Environmental Impact Statements
3	_____	SEES 3000 Geospatial Science

Note important information on other side

