

Note: When viewing on-line, click any underlined course prefix to display current course descriptions (may not be available in some browsers).

# 2009-2010 Bachelor of Science Junior Audit for BIOLOGY Marine and Aquatic Biology Specialization

College of Arts and Sciences  
205 Administration Building  
372-2015

Biological Sciences  
217 Life Sciences Building  
419-372-2332



Name \_\_\_\_\_ PID# \_\_\_\_\_  
Return Address \_\_\_\_\_  
Phone Number \_\_\_\_\_ Expected Date of Graduation \_\_\_\_\_

BG Perspective Requirements: 2 Natural Sciences: \_\_\_\_\_, 2 Social Sciences: \_\_\_\_\_, 2 Arts & Humanities: \_\_\_\_\_, International Perspective: \_\_\_\_\_, Cultural Diversity in U.S.: \_\_\_\_\_, English 112 \_\_\_\_\_  
These courses may apply toward the requirements listed below.

### I. English Composition

(Only 6 hours ENG 110, 111, 112 will apply toward graduation)

| Hrs.  | Grade             |
|-------|-------------------|
| _____ | _____ ENG 110/111 |
| _____ | _____ ENG 112     |

### II. Foreign Language (\_\_\_\_yrs. H.S.\_\_\_\_)

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

|       |                     |
|-------|---------------------|
| _____ | _____ 101 _____     |
| _____ | _____ 102 _____     |
| _____ | _____ 201 _____     |
| _____ | _____ 202/212 _____ |

### III. Science & Math

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

|       |  |
|-------|--|
| _____ | _____ MATH 131 (or 134 & 135)                |
| _____ | _____ x _____ x BIOL 204 Concepts in BIOL I  |
| _____ | _____ x _____ x BIOL 205 Concepts in BIOL II |
| _____ | _____ _____                                  |
| _____ | _____ _____                                  |

### IV. Social Sciences

Choose 4 courses

|       |             |
|-------|-------------|
| _____ | _____ _____ |
| _____ | _____ _____ |
| _____ | _____ _____ |
| _____ | _____ _____ |

### V. Arts and Humanities

4 courses, at least 1 literature and 1 fine art

|       |                        |
|-------|------------------------|
| _____ | _____ Literature _____ |
| _____ | _____ Fine Arts _____  |
| _____ | _____ _____            |
| _____ | _____ _____            |

### Additional Biology Required Courses: Chemistry & Physics

|       |   |
|-------|---|
| _____ | _____ 5 _____ CHEM 125 or 135 General Chemistry     |
| _____ | _____ 4 _____ CHEM 127 or 137 General Chemistry     |
| _____ | _____ 1 _____ CHEM 128 or 138 General Chemistry Lab |
| _____ | _____ 4-5 _____ CHEM 306 Organic Chemistry or 341   |
| _____ | _____ 5 _____ PHYS 201 College Physics I            |

### MAJOR REQUIREMENTS (35+ hours)

Core courses in Biology (15 hours):

| Hrs.  | Grade   |
|-------|---|
| _____ | _____ 1 _____ BIOL 200 Biology Today          |
| _____ | _____ 5 _____ BIOL 204 Concepts in Biology I  |
| _____ | _____ 5 _____ BIOL 205 Concepts in Biology II |
| _____ | _____ 4 _____ BIOL 350 Genetics               |

Select 1 elective course to complete Biol. Major Group III requirement:

|       |  |
|-------|--|
| _____ | _____ BIOL 407, 408, 411, 417, 418, 421, 431 |
| _____ | _____ 438, 439, 440, 442, 443, 446, 447      |

### Marine and Aquatic Biology Specialization:

Courses required (10+ hours):

|       |   |
|-------|---|
| _____ | _____ 3 _____ BIOL 354 Principles of Ecology              |
| _____ | _____ 3 _____ BIOL 370 Intro to Inland Marine Res.        |
| _____ | _____ 3 _____ BIOL 374 Marine Biology                     |
| _____ | _____ 1-6 _____ Field course (BIOL 403, 475, 487, or 488) |

Electives (select at least 1 course from each of the following 3 groups. Ensure that you have at least 10 hours of courses at the 400 level):

#### Group A: Ecology & Conservation

|       |   |
|-------|---|
| _____ | _____ 3 _____ BIOL 409 Conservation Biology             |
| _____ | _____ 3 _____ BIOL 410 Conservation Biology in Practice |
| _____ | _____ 3 _____ BIOL 416 Landscape Ecology                |
| _____ | _____ 4 _____ BIOL 420 Animal Behavior                  |
| _____ | _____ 4 _____ BIOL 422 Plant Ecology                    |
| _____ | _____ 3 _____ BIOL 425 Limnology                        |
| _____ | _____ 3 _____ BIOL 441 Chemical Ecology                 |
| _____ | _____ 4 _____ BIOL 445 Environmental Microbiology       |
| _____ | _____ 3 _____ BIOL 451 Evolution                        |
| _____ | _____ 3 _____ ENVS 412 Great Lakes Ecosystems           |

#### Group B: Biodiversity

|       |   |
|-------|---|
| _____ | _____ 3 _____ BIOL 301 Field Biology of the Vertebrates |
| _____ | _____ 4 _____ BIOL 313 Microbiology                     |
| _____ | _____ 4 _____ BIOL 343 Botany                           |
| _____ | _____ 4 _____ BIOL 405 Parasitology                     |
| _____ | _____ 4 _____ BIOL 414 Plant Taxonomy and Evolution     |
| _____ | _____ 4 _____ BIOL 424 Algology                         |
| _____ | _____ 4 _____ BIOL 427 Invertebrate Biology             |
| _____ | _____ 4 _____ BIOL 435 Entomology                       |
| _____ | _____ 3 _____ BIOL 472 Ichthyology                      |
| _____ | _____ 4 _____ BIOL 473 Mammalogy                        |
| _____ | _____ 3 _____ BIOL 476 Herpetology                      |
| _____ | _____ 3 _____ BIOL 477 Ornithology                      |

#### Group C: Quantitative & Applied Science

|       |  |
|-------|--|
| _____ | _____ 1-4 _____ BIOL 401 Biological Research               |
| _____ | _____ 1-3 _____ BIOL 489 Biology Internship                |
| _____ | _____ 3 _____ GEOG 413 Introduction to Remote Sensing      |
| _____ | _____ 4 _____ GEOL 440 Geologic Remote Sensing             |
| _____ | _____ 3 _____ SEES 300 Geospatial Science                  |
| _____ | _____ 3 _____ Statistics (STAT 211, MATH 247, or BIOL 462) |

Note: Important information on reverse side.

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**Biology Electives:** These courses do not meet the group requirements but do count toward the 10 hours of required courses at the 400 level: BIOL 450, 470, 490.

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:**

This check sheet must be completed, signed by your Faculty Advisor and returned to the College Office during your *junior* year (60-89 hours). Your academic records will be reviewed by a College Advisor, and a detailed notice of remaining graduation requirements will be returned to you. Lists of the courses that meet the degree requirements may be obtained from the College Office.

**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 300/400 level
5. Completion of all degree requirements, including the BG Perspective Core
6. Residence for your last 30 hours (i.e., BGSU credits)
7. An official audit completed during the junior year, on file in the College of A&S 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 of A&S Office.

To ensure a timely graduation, see a College of A&S 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.

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Faculty Adviser's Signature

Date

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Student's Signature

Date