

# B.S. in Biology - Graduation Checklist

Student's Name \_\_\_\_\_

Adviser's Name \_\_\_\_\_

- **General Biology**

BIO111 \_\_\_\_\_ BIO112 \_\_\_\_\_

- **Seven Upper-Level Biology Courses**

Ecology (Required) \_\_\_\_\_

Genetics (Required) \_\_\_\_\_

Category II (Required; not Genetics) \_\_\_\_\_

Category III: (Required) \_\_\_\_\_

Categories I, II, or III (2 courses) 1. \_\_\_\_\_ 2. \_\_\_\_\_

Categories I, II, III, IV, or V \_\_\_\_\_

- **Ancillary Courses and Requirements**

Chemistry

CHE120 \_\_\_\_\_

CHE140 \_\_\_\_\_

CHE220 \_\_\_\_\_

CHE240 \_\_\_\_\_

Differential Calculus

MAT201 \_\_\_\_\_

Junior/Senior Seminar

BIO392 \_\_\_\_\_

BIO491 \_\_\_\_\_

Physics\*

PHY101/111 \_\_\_\_\_

PHY102/112 \_\_\_\_\_

2 or fewer "D" grades in major (presented for graduation) \_\_\_\_\_

W4 Senior Capstone

Thesis Adviser: \_\_\_\_\_

Major GPA  $\geq$  2.0 \_\_\_\_\_

- **Institutional and Distribution Requirements**

128 total credits \_\_\_\_\_

6 or fewer "D" grades \_\_\_\_\_

GPA  $\geq$  2.0 \_\_\_\_\_

W1/FYS \_\_\_\_\_

W2/ENG101 \_\_\_\_\_

W3 \_\_\_\_\_

Foreign language \_\_\_\_\_

Humanities and fine arts \_\_\_\_\_

Social sciences \_\_\_\_\_

*\*Not required, but many medical and graduate schools require physics. PHY 101/102 OR PHY 111/112.*

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The following courses are currently offered within the Department of Biology. Use this list to fill in the list of "Seven upper-level biology courses" shown on the previous page. (There may be other upper-level biology courses offered as Special Topics that are not listed here. Speak with your advisor to determine into which of the 5 categories those courses would fall.)

### Category I: Ecology

- BIO 206 Ecology
- BIO 309 Marine and Estuarine Biology
- BIO 313 Wetlands Conservation
- BIO 328 Behavioral Ecology
- BIO 351 Evolution

### Category II: Cellular Biology

- BIO 203 Microbiology
- BIO 205 Cell Biology
- BIO 207 Biotech and Molecular Biology
- BIO 302 Developmental Biology
- BIO 305 Genetics
- BIO 310 Microbial Ecology
- BIO 350 Toxicology
- BIO 404 Immunology
- BIO 409 Biochemistry
- Cell Signaling
- Endocrinology

### Category III: Organismal Biology

- BIO 211 Plant Biology
- BIO 208 General Zoology
- BIO 228 Ornithology
- BIO 301 Comparative Vertebrate Anatomy
- BIO 303 Parasitology
- BIO 304 Invertebrate Zoology
- BIO 311 Neurobiology
- BIO 315 Ecophysiology
- BIO 336 Ichthyology
- BIO 424 Comparative Animal Physiology
- Pathophysiology

### Category IV: Seminars

- BIO 399 Biology course without lab

### Category V: Research/Independent Study/Internship

- BIO 210 Ecology of Coastal Maine
- BIO 212 Bermuda Environment
- BIO 294 Nicaragua
- BIO 395 Summer Research
- BIO 495/6 Independent Research
- BIO 497/8 Independent Study
- BIO 490 Biology Internships