

B.S. in Biology with a Concentration in Biochemistry Graduation Checklist

Student's Name _____

Adviser's Name _____

- **General Biology**

BIO111 _____

BIO112 _____

- **Six Upper-Level Biology Courses**

Cell Biology (Required) _____

Genetics (Required) _____

Biochemistry (Required) _____

Category I (Required)* _____

Category II (Required)* _____

Category III (Required)* _____

- **Ancillary Courses and Requirements**

Chemistry

CHE120 _____

CHE140 _____

CHE220 _____

CHE240 _____

CHE301 _____

CHE303 _____

Calculus

MAT201 _____

MAT202 _____

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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Graduation Checklist

The following courses are currently offered within the Department of Biology. Use this list to fill in the list of “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 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^{CMI, PO}
- BIO 205 Cell Biology^{CMI}
- BIO 207 Biotech and Molecular Biology^{CMI}
- BIO 302 Developmental Biology^{CMI}
- BIO 305 Genetics^{CMI}
- BIO 310 Microbial Ecology^{CMI, EE}
- BIO 350 Toxicology^{CMI}
- BIO 369 Cell Signaling^{CMI}
- BIO 404 Immunology^{CMI, PO}
- BIO 409 Biochemistry^{CMI}
- Neurodevelopment^{CMI}
- Endocrinology^{PO}

Category III: Organismal Biology

- BIO 211 Plant Biology^{EE, PO}
- BIO 208 General Zoology^{PO}
- BIO 228 Ornithology^{PO}
- BIO 301 Comparative Vertebrate Anatomy^{PO}
- BIO 303 Parasitology^{PO}
- BIO 311 Neurobiology^{PO}
- BIO 315 Ecophysiology^{EE, PO}
- BIO 317 Pathophysiology^{PO}
- BIO 336 Ichthyology^{PO}
- BIO 424 Comparative Animal Physiology^{PO}

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