

# B.S. in Biology with Cell/Molecular Biology & Infectious Disease Emphasis - Graduation Checklist

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

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

- **General Biology**

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

- **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 \_\_\_\_\_

- **Above courses designated CMI (3 courses)**

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

- **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: \_\_\_\_\_

Project (emphasis in CMI): \_\_\_\_\_

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 "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<sup>EE</sup>  
BIO 309 Marine and Estuarine Biology<sup>EE</sup>  
BIO 313 Wetlands Conservation<sup>EE</sup>  
BIO 328 Behavioral Ecology<sup>EE</sup>  
BIO 351 Evolution<sup>EE</sup>

## Category II: Cellular Biology

BIO 203 Microbiology<sup>CMI, PO</sup>  
BIO 205 Cell Biology<sup>CMI</sup>  
BIO 207 Biotech and Molecular Biology<sup>CMI</sup>  
BIO 302 Developmental Biology<sup>CMI</sup>  
BIO 305 Genetics<sup>CMI</sup>  
BIO 310 Microbial Ecology<sup>CMI, EE</sup>  
BIO 350 Toxicology<sup>CMI</sup>  
BIO 369 Cell Signaling<sup>CMI</sup>  
BIO 404 Immunology<sup>CMI, PO</sup>  
BIO 409 Biochemistry<sup>CMI</sup>  
Neurodevelopment<sup>CMI</sup>  
Endocrinology<sup>PO</sup>

## Category III: Organismal Biology

BIO 211 Plant Biology<sup>EE, PO</sup>  
BIO 208 General Zoology<sup>PO</sup>  
BIO 228 Ornithology<sup>PO</sup>  
BIO 301 Comparative Vertebrate Anatomy<sup>PO</sup>  
BIO 303 Parasitology<sup>PO</sup>  
BIO 311 Neurobiology<sup>PO</sup>  
BIO 315 Ecophysiology<sup>EE, PO</sup>  
BIO 317 Pathophysiology<sup>PO</sup>  
BIO 336 Ichthyology<sup>PO</sup>  
BIO 424 Comparative Animal Physiology<sup>PO</sup>

## Category IV: Seminars

BIO 399 Biology course without lab

## Category V: Research/Independent Study/Internship

BIO 210 Ecology of Coastal Maine<sup>EE</sup>  
BIO 212 Bermuda Environment<sup>EE</sup>  
BIO 294 Nicaragua<sup>EE</sup>  
BIO 395 Summer Research<sup>CMI, EE, PO</sup>  
BIO 495/6 Independent Research<sup>CMI, EE, PO</sup>  
BIO 497/8 Independent Study  
BIO 490 Biology Internships

*CMI: Cell/ Molecular Biology and Infectious Disease.*

*EE: Ecology and Evolution*

*PO: Physiology and Organismal Biology*