

ECOLOGY & EVOLUTION SPECIALIZATION

Checklist for BIO Major Clearance

The Undergraduate Biology Office does clearances for Biology major and minor requirements. Students should obtain clearance for the major/minor prior to the "add" deadline of their last semester. Questions about University or Arts & Sciences requirements (i.e., DECs, Skills etc.) should be directed to the Academic and Pre-Professional Advising Center, E-2360 Melville Library.

| | | |
|-------------------------|-------------------|--|
| Last Name | First Name | SBU ID# |
| Transfer Schools | | Date of Most Recent Matriculation |

SECTION A. BIOLOGY CORE

All courses in Section A must be passed with a grade of C or higher. Section A and C Biology courses (BIO designator) are worth 3 credits except where noted in parenthesis immediately following course number.

Freshman Biology (see note 1, page 141, in the 2007-2009 Undergraduate Bulletin) or <http://www.stonybrook.edu/ugrdbulletin/current/pdfs/BIO.pdf>

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|-------------------|--|--------------------------|
| Bio Major Credits | | BIO 150 The Living World |
| AP Waiver | | |

Fundamentals of Biology (see note 2, page 141, in the 2007-2009 Undergraduate Bulletin) or <http://www.stonybrook.edu/ugrdbulletin/current/pdfs/BIO.pdf>

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|-------------------|--|---|
| Bio Major Credits | | BIO 201 Organisms to Ecosystems or transfer |
| TC | | |
| Bio Major Credits | | BIO 202 Molecular and Cellular Biology or transfer |
| TC | | |
| Bio Major Credits | | BIO 203 Cellular and Organ Physiology or transfer |
| TC | | |
| Bio Major Credits | | BIO 204(2) Fundamentals of Scientific Inquiry in the Biological Sciences I or transfer |
| TC | | |
| Bio Major Credits | | BIO 205(2) Fundamentals of Scientific Inquiry in the Biological Sciences II or transfer |
| TC | | |

SECTION B. COURSES IN RELATED FIELDS

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| | One year of General Chemistry |
| | CHE 123, 124 & 132*, or 129, 130 & 132*, or 131 & 132*, or 141 & 142*, or transfer |
| | One year of General Chemistry Laboratory |
| | CHE 133 & 134, or 143 & 144, or transfer |
| | One year of Organic Chemistry |
| | CHE 321 & CHE 322 or 326 or transfer |
| | One semester of Organic Chemistry Laboratory |
| | CHE 327, or 383, or transfer |
| | One year of Physics with Laboratory |
| | PHY 121/123 & 122/124*, or 125 & 126 & 127*, or 131/133 & 132/134*, or 141 & 142*, or transfer |
| | One year of Calculus |
| | MAT 123 & 125 & 126*, or 131 & 132*, or 141 & 142*, 171*; AMS 151 & 161* or level 8 or 9 on math placement examination or transfer |
| | One semester of Statistics or Probability/Statistics |
| | AMS 110, or 310, or transfer |

*C or higher in at least one semester of required sequence

SECTION C. ADVANCED COURSES

All courses in Section C must be passed with a grade of C or higher.

ADVANCED LECTURE COURSES: Students must take at least THREE advanced lecture courses and ONE advanced laboratory course in the Ecology & Evolution track plus TWO advanced lecture courses and ONE advanced laboratory course outside of track. (*Independent research or internship cannot be used to satisfy the advanced laboratory requirement*).

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|--|--|--|
| Lecture Courses within Track | | |
| Bio Major Credits | | BIO 351 Ecology or transfer |
| Bio Major Credits | | BIO 354 Evolution or transfer |
| Lecture / Laboratory Courses within Track | | |
| Bio Major Credits | | One Lecture / Laboratory Course: BIO 340(4), 341(4), 343(4), 344(4), 346(4), 380(4), MAR 301(4) or transfer |

OR

| | | |
|-------------------|--|---|
| Bio Major Credits | | One Lecture Course: BIO 301, 348, 353, 350, 358, 359, 385, 386; MAR 302, 366, 370, 371; ANP 325.02, 350.02, 391.02 or transfer |
| AND | | |
| Bio Major Credits | | One Laboratory Course: BIO 352, 356; 367, MAR 303, 305, 320, 380, 388(4) or transfer |

BREADTH REQUIREMENT:

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|--------------------|--|--|
| Course 1: | | TWO (2) lecture or lecture/laboratory courses outside of track: BIO 310, 314, 315, 316, 317, 318, 320, 325, 328, 334, 338, 339, 361, 362 or transfer |
| Course 2: | | |
| Lab Course: | | ONE (1) laboratory course outside of track: BIO 311, 312, 327, 335, 365(2) or transfer |

UPPER DIVISION WRITING REQUIREMENT

| | | |
|---------|-------|--------------|
| Course: | Date: | Accepted by: |
|---------|-------|--------------|

CREDITS

| | |
|---|---|
| <i>See Bulletin for limits in use of research, readings and substitute electives.</i> | |
| | Thirty-three (33) credits in SECTIONS A & C , including specified substitute electives, completed with a grade of C or higher. (<i>Internship credits cannot be used to satisfy this requirement.</i>) |
| <i>For Transfer students:</i> | |
| | At least fifteen (15) of the thirty-two (32) credits in SECTIONS A & C must be taken at Stony Brook in courses for majors at 200-level or higher. |
| | Twelve (12) of the fifteen (15) credits must be in BIO designator courses . |
| | At least two (2) advanced biology laboratory experiences, including one Area laboratory, must be taken at Stony Brook . |