

ENVIRONMENTAL BIOLOGY 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>

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>

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

	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

ENVIRONMENTAL BIOLOGY SPECIALIZATION (cont.) Checklist for BIO Major Clearance

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 Environmental Biology 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*).

Lecture Courses within Track		
Bio Major Credits		BIO 351 Ecology or transfer
Lecture / Laboratory Courses within Track: At least THREE courses chosen from the lists below. Must include at least ONE course with laboratory.		
Bio Major Credits		Organisms (maximum of ONE): BIO 340(4)(Lect/Lab), 341(4)(Lect/Lab), 343(4)(Lect/Lab), 344(4)(Lect/Lab), 346(4)(Lect/Lab), 348, 380(4)(Lect/Lab), MAR 370, 371, 380(Lab) or transfer
Bio Major Credits		Ecology: BIO 301, 350, 352(Lab), 353, 354, 356(2)(Lab), 358, 359, 367(Lab), 385, 386; MAR 301(4)(Lect/Lab), 302, 303(Lab), 305(Lab), 320(Lab), 366, 388(4)(Lab); ANP 325.02, 350.02, 391.02 or transfer
Bio Major Credits		Environment (maximum of ONE): ATM 305, 397; MAR 318, 333

BREADTH REQUIREMENT:

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); BME 212 or transfer

UPPER DIVISION WRITING REQUIREMENT

Course:	Date:	Accepted by:
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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 .