

NEUROSCIENCE TRACK

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 131, in the 2005-2007 Undergraduate Bulletin)

Bio Major Credits		BIO 150 The Living World
Waiver		

Fundamentals of Biology (see note 2, page 131, in the 2005-2007 Undergraduate Bulletin)

Bio Major Credits		BIO 201(4) Organisms to Ecosystems or transfer
AP or TC		
Bio Major Credits		BIO 202(4) Molecular and Cellular Biology or transfer
AP or TC		
Bio Major Credits		BIO 203(4) Cellular and Organ Physiology or transfer
AP or TC		

SECTION B. COURSES IN RELATED FIELDS

	One year of General Chemistry
	CHE 123, 124 & 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 CHE 331 & CHE 332*, 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*, 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. Students must take at least THREE (3) advanced lecture courses and ONE (1) advanced laboratory course in the Neuroscience Track PLUS TWO (2) advanced lecture courses and ONE (1) advanced laboratory course outside of the track. (*Independent Research or Internships cannot be used to satisfy the advanced laboratory requirements*).

AREA LECTURE and/or LABORATORY REQUIREMENTS:

Item A:	Principles of Neurobiology	
Bio Major Credits		BIO 334 or transfer
Item B:	Mammalian Physiology	
Bio Major Credits		BIO 328 or transfer
Item C:	Animal Physiology Laboratory	
Bio Major Credits		BIO 335 or transfer
Item D:	Third Advanced Lecture in Track	
Bio Major Credits		BIO 317, 338, 339, BCP 401 or transfer

BREADTH REQUIREMENT:

Course 1:	TWO (2) lecture or lecture/laboratory courses outside of track: BIO 310, 315, 316, 318, 320, 325, 340(4), 341(4), 343(4), 344(4), 346(4), 348, 350, 351, 353, 354, 358, 359, 361, 362, 380(4), 385, 386 or transfer
Course 2:	
Lab Course:	ONE (1) laboratory course outside of track: BIO 311, 312, 327, 340(4), 341(4), 343(4), 344(4), 346(4), 352, 356(2), 365(2), 367, 380, MAR 301, 303, 305, 320 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-two (32) 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 .