

Name:

BU ID:

Specialization in Behavioral Biology

Boston University College of Arts & Sciences
Department of Biology

REQUIREMENTS

- ✓ 12 biology, anthropology, and psychology courses; 6-7 related science and math courses; and 10 additional CAS courses toward the 128 credits needed to graduate.
- ✓ C or higher is required for credit in all biology, math/computer science, and physics courses; C- or higher is necessary for credit in all required chemistry courses.
- ✓ Excluding Introductory Biology courses: a) at least three biology courses must have a laboratory component; b) at least three biology courses must be at the 300+ level; and c) at least five biology courses must be taken in the BU Biology Department.
- ✓ At least two electives must have an AN or PS (or cross-listed) course number.

INTRODUCTORY BIOLOGY

BI 107 BI 108 or BI 116

FOUNDATION COURSE

BI 225

BREADTH REQUIREMENTS

Choose one course from each area of biology.

Cell & Molecular (CM)

BI 203 or BI 213 (or BI 218 ♦)
BI 206* or BI 216*

Physiology & Neurobiology (PN)

CAS BI 315 ♦
CAS BI 325 (or CAS NE 203 ♦)

Ecology, Behavior & Evolution (EBE)

BI 407 ♦

* Recommended course
♦ Course will count toward
the three-lab requirement.

PRIMARY ELECTIVES

See **Biology Courses by Semester** and **Anthropology & Psychology Electives** on SIDE II.

1 _____ 2 _____

ADDITIONAL ELECTIVES

See **Biology Courses by Semester**, **Anthropology & Psychology Electives**, and **Optional Programs** on SIDE II.

1 _____ 3 _____
2 _____ 4 _____

CHEMISTRY COURSES

See **Chemistry Requirements** on SIDE II.

1 _____ 2 _____ 3 _____
(If on standard track)

MATH & COMPUTER SCIENCE COURSES

See **Math & Computer Science Requirements** on SIDE II.

1 _____ 2 _____

PHYSICS COURSES

See **Physics Requirements** on SIDE II.

1 _____ 2 _____

CAS REQUIREMENTS

For more details visit the **CAS Bulletin** page.

2nd Language:

Proficiency through the 4th semester: I II III IV

Writing: WR 100/120 WR 150

Humanities: 1 _____ 2 _____

Social Sciences: 1 _____ 2 _____

	FALL	SPRING
FRESHMAN YEAR	1 _____	1 _____
	2 _____	2 _____
	3 _____	3 _____
	4 _____	4 _____
	SUM1 _____	SUM2 _____
	FALL	SPRING
SOPHOMORE YEAR	1 _____	1 _____
	2 _____	2 _____
	3 _____	3 _____
	4 _____	4 _____
	SUM1 _____	SUM2 _____
	FALL	SPRING
JUNIOR YEAR	1 _____	1 _____
	2 _____	2 _____
	3 _____	3 _____
	4 _____	4 _____
	SUM1 _____	SUM2 _____
	FALL	SPRING
SENIOR YEAR	1 _____	1 _____
	2 _____	2 _____
	3 _____	3 _____
	4 _____	4 _____
	SUM1 _____	SUM2 _____

Biology courses above that have a lab component:
1 _____ 2 _____ 3 _____

Biology courses above that are 300+ level:
1 _____ 2 _____ 3 _____

Advisor Name: _____

Advisor Signature: _____

Notes/Comments: _____

BIOLOGY COURSES BY SEMESTER

Note: Semester offerings may change. See the [Course Directory](#) and [StudentLink](#) for updated info. Courses cross-listed with those below are accepted.

Fall Semester Courses

Introductory Courses

BI 107 Biology 1

Foundation Courses

BI 225 Behavioral Biology

Breadth Courses

BI 203 Cell Biology
 BI 213 Intensive Cell Biology
 BI 218 Cell Biology with ISE Lab ♦
 BI 315 Systems Physiology ♦
 BI 325/(NE 203 ♦) Princ. of Neurosci.
 BI 407 Animal Behavior ♦

BI Primary Electives

BI 520 Sensory Physiology
 BI 545 Neurobio. of Motivated Behav.

BI Additional Electives

BI 203 Cell Biology
 BI 213 Intensive Cell Biology
 BI 218 Cell Biology with ISE Lab ♦
 BI 306 Bio. of Global Change ♦
 BI 309 Evolution
 BI 325/(NE 203 ♦) Princ. of Neurosci.
 BI 520 Sensory Physiology
 BI 535 Trans. Research in Alzheimer's
 BI 545 Neurobio. of Motivated Behav.

- ♦ Course counts toward the three-lab requirement
- ❖ Course typically offered every other year (IRR) Course offered irregularly

Spring Semester Courses

Introductory Courses

BI 108 Biology 2
 BI 116 Biology 2 with ISE Lab

Breadth Courses

BI 206 Genetics
 BI 216 Intensive Genetics
 BI 315 Systems Physiology ♦
 BI 325 Principles of Neuroscience

BI Primary Electives

BI 230 Behavioral Endocrinology
 BI 449 Neuroscience Design Lab ♦
 BI 508 Behavioral Ecology (IRR)
 BI 542 Neuroethology

BI Additional Electives

BI 206 Genetics
 BI 216 Intensive Genetics
 BI 230 Behavioral Endocrinology
 BI 260 Marine Biology
 BI 302 Vertebrate Zoology ♦
 BI 303 Ecology ♦
 BI 306 Bio. of Global Change ♦
 BI 325 Principles of Neuroscience
 BI 414 Ornithology ❖
 BI 449 Neuroscience Design Lab ♦
 BI 504 Advanced Evol. Analysis ❖
 BI 506 Phenotypic Plasticity ❖
 BI 508 Behavioral Ecology ❖
 BI 515 Population Genetics
 BI 519 Theor. Evol. Ecology ♦❖
 BI 542 Neuroethology
 BI 599 Physiology of the Synapse (IRR)

ANTHROPOLOGY & PSYCHOLOGY ELECTIVES

AN 234 Evolutionary Psychology (AE, PE)
 AN 263 Behavioral Biology of Women (AE)
 AN 330 Evolution of Human Life History (AE)
 AN 331 Human Origins (AE)
 AN 333 Human Population Biology (AE)
 AN 335 The Ape Within (AE, PE)
 AN 338 Lucy: The Oldest Woman (AE)
 AN 339 Primate Biomechanics (AE)
 AN 534 Adv. Topics in Human Behav. Evolution (AE)

AN 551 Anthropology and Human Heredity (AE)
 AN 552 Primate Evolution and Anatomy (AE)
 AN 555 Evolutionary Medicine (AE)
 AN 556 Evolution of the Human Diet (AE)
 AN 558 Human Sex Difference (AE)
 AN 597 Issues in Biological Anthro. (AE)
 AN 598 Issues in Biological Anthro. (AE)
 PS 231 Physiological Psychology (AE, PE)
 PS 234 Psychology of Learning (AE)

PS 241 Developmental Psychology (AE)
 PS/NE 333 Drugs and Behavior (AE)
 PS 336 Intro. to Cognitive Psych. (AE)
 PS/NE 337 Memory Systems of the Brain (AE, PE)
 PS/NE 338 Neuropsychology (AE)
 PS/NE 521 Animal Models in Behav. Neuro. (AE)
 PS/NE 528 Human Brain Mapping (AE)
 PS/NE 544 Dev. Neuropsychology (AE, PE)
 (AE) Additional Elective (PE) Primary Elective

CHEMISTRY REQUIREMENTS

Choose a track.

Standard Track

General Chemistry: Choose one sequence.			Organic Chemistry:
Sequence I	Sequence II	Sequence III	Choose one course.
CH 101	CH 109	CH 111	CH 203/CH 218
CH 102/ CH 116	CH 110	CH 112	CH 211

Note: Pre-health students may need additional courses including CH 204 (or 212 or 214) and biochemistry BI/CH 421 or CH 373.

Alternative Track (Not acceptable for most pre-health careers)

General Chemistry: Choose one sequence.		Organic Chemistry:
Sequence I	Sequence II	Choose one course.
CH 171	General Chemistry Sequence from Standard Track (2 courses)	CH 172* CH 174

*Includes biochemistry content.

MATH & COMPUTER SCIENCE REQUIREMENTS

Choose two courses from the lists below. At least one course must be calculus or statistics.

Calculus	Statistics	Computer Science
MA 121 or 123	MA 115 or 213	CS 105
MA 122 or 124	MA 116 or 214	CS 108
MA 127 or 129		CS 111
MA 196		

PHYSICS REQUIREMENTS

Choose one sequence.

PY 105 and PY 106
 PY 211 and PY 106

PY 211 and PY 212
 PY 241 and PY 242

OPTIONAL PROGRAMS (Application Required)

Undergraduate Research

BI 191/192 Undergraduate Research in Biology 1 (2 cr)
 BI 291/292 Undergraduate Research in Biology 2 (2 cr)
 BI 391/392 Undergraduate Research in Biology 3 (2 cr) or (4 cr ♦)
 BI 491/492 Undergraduate Research in Biology 4 (4 cr ♦)

BI 401/402 Honors Research in Biology (4 cr ♦)
 BI 497/498 Honors Research in Biology Seminar (2 cr)

- Up to two 4-credit research courses may be counted as electives and one of those can apply toward the three-lab requirement.
- For more info. visit www.bu.edu/biology/undergrad/research

Science Abroad - France, Germany, or Spain

- Offered in the fall semester; courses taught in English.
- Targeted to sophomores in science majors/pre-med students.
- For more information, visit: www.bu.edu/abroad

Marine Semester (MS) BI Courses ♦

- For more information, visit: www.bu.edu/bump/marine-semester/

Ecuador Tropical Ecology Program (TEP) ♦

- For more information, visit: www.bu.edu/abroad

ADDITIONAL RESOURCES

www.bu.edu/biology

617.353.2432

Contact: Stacy Straaberg Finrock at stacysf@bu.edu

Please note: The **Bulletin** is the authority on all requirements and policies. For official tracking of your academic progress, visit www.bu.edu/degree-advice