Name: _____ **BU ID:** _____

Specialization in Behavioral Biology

Boston University College of Arts & Sciences
Department of Biology

REQUIREMENTS

- ✓ 128 credits including 12 biology, anthropology, and psychology courses; 6-7 related science and math courses; second language proficiency; and 26 Hub units.
- ✓ 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 Primary and/or Additional Electives must have an AN or PS (or cross-listed) course number.

INTRODUCTORY BIOLOGY

☐ BI 107 ☐ BI 108

FOUNDATION COURSE

☐ BI 225

BREADTH REQUIREMENTS

Choose one course from each area of biology. Courses fulfilling breadth requirements may not also fulfill elective requirements.

Cell & Molecular (CM)

☐ BI 203 **or** BI 213
☐ BI 206* **or** BI 216*

Ecology, Behavior & Evolution (EBE)

☐ BI 407 ◆

Physiology & Neurobiology (PN)

☐ BI 310 ◆
☐ BI 315 ◆
☐ BI 325

* 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 _____

GENERAL EDUCATION REQUIREMENTS

For more details visit the CAS Degree Overview page.

CAS 2nd Language Requirement: _____

Proficiency through the fourth semester: ☐ I ☐ II ☐ III ☐ IV

BU Hub Units:

☐ PLM	☐ SI1	☐ QR1	☐ IIC	☐ FYW	☐☐ CRT
☐ AEX	☐ SO1	☐ QR2	☐☐ GCI	☐ WRI	☐☐ RIL
☐ HCO	☐ SI2/ SO2		☐ ETR	☐☐ WIN	☐☐ TWC
				☐ OSC	☐☐ CRI
				☐ DME	

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

Biology courses above with a lab component (excluding BI 107/108/116):
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 206 Genetics
BI 213 Intensive Cell Biology
BI 310 Human Structure & Function ◆
BI 315 Systems Physiology ◆
BI 325 Princ. of Neurosci.
BI 407 Animal Behavior ◆

BI Primary Electives
BI/NE 230 Behavioral Endocrinology
BI 520 Sensory Neurobiology (IRR)

BI Additional Electives
BI 203 Cell Biology
BI 213 Intensive Cell Biology
BI 306 Bio. of Global Change ◆
BI 325/(NE 203 ◆) Princ. of Neurosci.
BI 333 Human Population Genetics ❖
BI 408 Insect Biology ◆
BI 448 Biodiversity and Conservation
BI 507 Diversity of Sex
BI 510 Inst. Racism in Health&Science
BI 515 Population Genetics ❖
BI 520 Sensory Neurobiology (IRR)
BI 535 Trans. Research in Alzheimer's

◆ 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

Foundation Courses
BI 225 Behavioral Biology

Breadth Courses
BI 203 Cell Biology
BI 206 Genetics
BI 216 Intensive Genetics
BI 315 Systems Physiology ◆
BI 325 Principles of Neuroscience

BI Primary Electives
BI 449 Neuroscience Design Lab ◆
BI 508 Behavioral Ecology (IRR)
BI 542 Neuroethology

BI Additional Electives
BI 203 Cell Biology
BI 206 Genetics
BI 216 Intensive Genetics
BI 260 Marine Biology
BI 302 Vertebrate Zoology
BI 303 Ecology ◆
BI 306 Bio. of Global Change ◆
BI 309 Evolution
BI 325 Principles of Neuroscience
BI 414 Ornithology ❖
BI 449 Neuroscience Design Lab ◆
BI 500 Shark Biology & Conservation
BI 506 Phenotypic Plasticity
BI 508 Behavioral Ecology
BI 510 Inst. Racism in Health&Science
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 335 The Ape Within (AE, PE)
AN 336 Primate Evolutionary Ecology (AE)
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 553 Human Uniqueness (AE)
AN 555 Evolutionary Medicine (AE)
AN 556 Evolution of the Human Diet (AE)
AN 558 Human Sex Difference (AE)
AN 559 Evolutionary Endocrinology (AE, PE)
AN 597 Issues in Biological Anthro. (AE)
AN 598 Issues in Biological Anthro. (AE)
PS 222 Perception (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, PE)
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.

☐ **Pre-Health Track**

General Chemistry: Choose one sequence.

Sequence I	Sequence II	Sequence III
☐ CH 101	☐ CH 109	☐ CH 111
☐ CH 102/ CH 116	☐ CH 110	☐ CH 112

Organic Chemistry: Choose one course.
☐ CH 203/CH 218
☐ 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.

☐ **Non-Pre-Health Track**

General Chemistry: Choose one sequence.

Sequence I	Sequence II
☐ CH 171	☐ General Chemistry Sequence from Standard Track (2 courses)

Organic Chemistry: Choose one course.
☐ 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	☐ CDS DS 100	☐ CS 111
☐ MA 196		☐ CDS DS 110

PHYSICS REQUIREMENTS

Choose one sequence.

☐ PY 105 **and** PY 106
☐ PY 211 **and** PY 106
☐ PY 104
☐ PY 211 **and** PY 212
☐ PY 241 **and** PY 242

RESEARCH COURSES (Application Required)

Undergraduate Research

BI 140/141 Undergraduate Research in Biology 1 (2 cr)
BI 240/241 Undergraduate Research in Biology 2 (2 cr)
BI 340/341 Undergraduate Research in Biology 3 (2 cr)
BI 350-352 Undergraduate Research in Biology 3 (4 cr ◆)
BI 450-453 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 of the above 4-credit research courses can count as electives; one of those can apply towards the three-lab requirement.
- For more info. visit www.bu.edu/biology/undergrad/research

STUDY ABROAD PROGRAMS

Madrid, Spain and Grenoble, France

- 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/

Other possible study abroad locations include Sydney and London. Visit www.bu.edu/abroad for more information.

ADDITIONAL RESOURCES

www.bu.edu/biology

617.353.2432

Contact your assigned advisor for more information.

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