BUID:

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.
- ✓ Cor 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.

OSC

DME

CRI

• At lea	ast two Pilli	iary ariu/or A	dultional Elec	tives must nave a	II AN OF P3 (OF CIOS	s-listed) cour	se number.	
INTROD	OUCTOR	Y BIOLO	GΥ			T	FALL	SPRING
BI 107 BI 108 or BI 116					1	1		
FOUNDATION COURSE					FIRSTYEAR	2	2	
BI 225						3	3	
		JIREMEN	TS			RSI	4	4
Choose o	ne course	from each a	area of biolo	gy. Courses fulfi quirements.	lling breadth	_ E	SUM1	SUM2
Cell & Mol	lecular (CN	VI)	Phys	iology & Neuro	biology (PN)			
BI 203	or BI 213	(or BI 218 4))	BI 310 ◆		~	FALL	SPRING
BI 206	5* or BI 216	5*		BI 315 ◆		ĔΑ	1	1
Ecology, E	Behavior 8	Evolution	(EBE)	BI 325		Ä.	2	2
BI 407				* Recommended		ĺ	3	3
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матн 8	сомы	ITFR SCI	ENCE COL	IRSES		J. Y.	3	3
				nts on SIDE II.		SENIOR YEAR	4	4
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	S COURS	SES ements on :	SIDE II.			Biology 1	courses above with a	lab component (excluding BI 107/108/116
1	•		2			-		
CENEDA	VI EDUC	ATION D		FNTC		Biology 1	courses above that a	
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Proficiency BU Hub U	_	he fourth se	mester:	l II III	IV		r Signature:	
PLM	SI1	QR1	IIC	FYW	CRT	Notes/C	Comments:	
AEX	SO1	QR2	GCI	WRI	RIL			
HCO	SI2/	•	ETR	WIN	TWC			
1100	SO2			000	c			

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.

AN 551 Anthropology and Human Heredity (AE)

AN 552 Primate Evolution and Anatomy (AE)

AN 556 Evolution of the Human Diet (AE)

AN 597 Issues in Biological Anthro. (AE)

AN 598 Issues in Biological Anthro. (AE)

PS 231 Physiological Psychology (AE, PE)

AN 559 Evolutionary Endocrinology (AE, PE)

AN 553 Human Uniqueness (AE)

AN 555 Evolutionary Medicine (AE)

AN 558 Human Sex Difference (AE)

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 310 Human Structure & Function ◆

BI 315 Systems Physiology ◆

BI 325 Princ. of Neurosci.

BI 407 Animal Behavior ◆

BI Primary Electives

BI 520 Sensory Neurobiology (IRR)

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 333 Human Population Genetics ❖

BI 510 Inst. Racism in Health&Science

BI 520 Sensory Neurobiology (IRR)

BI 535 Trans. Research in Alzheimer's

BI 588 Proj. Design&Stat. in Bio. Anthro. ❖

◆ Course counts toward the threelab requirement

 Course typically offered every other year

(IRR) Course offered irregularly

Spring Semester Courses BI Additional Electives Introductory Courses BI 203 Cell Biology

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/NE 230 Behavioral Endocrinology BI 510 Inst. Racism in Health&Science BI 449 Neuroscience Design Lab ◆

BI 508 Behavioral Ecology (IRR) BI 520 Sensory Neurobiology (IRR)

BI 542 Neuroethology

BI 542 Neuroethology ANTHROPOLOGY & PSYCHOLOGY ELECTIVES

> PS 234 Psychology of Learning (AE) PS 241 Developmental Psychology (AE)

BI 206 Genetics

BI 303 Ecology ◆

BI 216 Intensive Genetics

BI 302 Vertebrate Zoology ◆

BI 306 Bio. of Global Change ◆

BI 325 Principles of Neuroscience

BI 448 Biodiversity and Conservation

BI 500 Shark Biology & Conservation

BI 449 Neuroscience Design Lab ◆

BI 504 Advanced Evol. Analysis

BI 506 Phenotypic Plasticity ❖

BI 515 Population Genetics ❖

BI 519 Theor. Evol. Ecology ◆❖

BI 520 Sensory Neurobiology (IRR)

BI 260 Marine Biology

BI 414 Ornithology ❖

BI/NE 230 Behavioral Endocrinology

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 521 Animal Models in Behav. Neur. (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.

Standard (Pre-Medical) Track

AN 534 Adv. Topics in Human Behav. Evolution (AE)

AN 233 Evolutionary Bio of Human Variation (AE)

AN 234 Evolutionary Psychology (AE, PE)

AN 331 Human Origins (AE)

AN 335 The Ape Within (AE, PE)

AN 263 Behavioral Biology of Women (AE)

AN 336 Primate Evolutionary Ecology (AE)

AN 338 Lucy: The Oldest Woman (AE)

AN 339 Primate Biomechanics (AE)

AN 330 Evolution of Human Life History (AE)

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

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

Additional Sequences to Satisfy the Chemistry Requirement

	General Chen	nistry: Choose one sequen	ce. Organic Chemistry:
	Sequence I	Sequence II	Choose one course.
CH 171		General Chemistry	 CH 172*
		Sequence from Standa Track (2 courses)	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 212 PY 241 and PY 242 PY 211 and PY 106

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

- 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 SIDE II