

BEHAVIORAL BIOLOGY, BACHELOR OF ARTS

Behavioral Biology Major Requirements

(Also see Requirements for a Bachelor's Degree. (<https://e-catalogue.jhu.edu/ksas-wse/undergraduate-policies/academic-policies/requirements-bachelors-degree/>))

The core program of the behavioral biology major provides background and breadth in:

1. The life sciences (e.g. animal behavior, evolution)
2. The natural sciences (e.g. biology and chemistry) and mathematics (e.g., calculus and statistics)
3. The social and behavioral sciences (e.g. psychology and anthropology)

The exact courses to be taken are determined by the student in conjunction with the faculty advisor. A grade of C- or better is required for courses fulfilling major requirements and courses may not be taken satisfactory/unsatisfactory. Hopkins undergraduates may enter the Behavioral Biology Program at any time, provided all requirements can be completed before graduation.

Additional information regarding the Behavioral Biology Program is available through our website at <http://krieger.jhu.edu/behavioralbiology> (<http://krieger.jhu.edu/behavioralbiology/>). You may also contact our Academic Program Administrator, Linda White, linda.m.white@jhu.edu or 410-516-6196.

Requirements for the behavioral biology major are as follows:

Code	Title	Credits
Mathematics and Chemistry Courses		
AS.110.106 or AS.110.108	Calculus I (Biology and Social Sciences) Calculus I (Physical Sciences & Engineering)	4
AS.110.107 or AS.110.109	Calculus II (For Biological and Social Science) Calculus II (For Physical Sciences and Engineering)	4
AS.030.101 & AS.030.105	Introductory Chemistry I and Introductory Chemistry Laboratory I	4
AS.030.102 & AS.030.106	Introductory Chemistry II and Introductory Chemistry Laboratory II	4
or AS.030.103	Applied Chemical Equilibrium and Reactivity w/lab	
Biology Courses ¹		
Students must have 2 of the following Biology Options. Students can use any combination of the following:		
AS.020.151 & AS.020.153	General Biology I and General Biology Laboratory I	
AS.020.152 & AS.020.154	General Biology II and General Biology Lab II	
AS.020.303 & AS.020.340	Genetics and Developmental Genetics Lab	
or AS.020.31	Biochemistry Project lab	
AS.020.305 & AS.020.315	Biochemistry and Biochemistry Project lab	
AS.020.306 & AS.020.316	Cell Biology and Cell Biology Lab	

AS.020.374 Comparative Physiology
& AS.020.377 and Comparative Physiology Lab

Introductory Statistics

Students must complete 1 of the following:

AS.280.345 or EN.553.211 or EN.553.310 or EN.553.311 or EN.553.111 & EN.553.112	Public Health Biostatistics Probability and Statistics for the Life Sciences Probability & Statistics for the Physical Sciences & Engineering Intermediate Probability and Statistics Statistical Analysis I and Statistical Analysis II	4
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Behavioral Biology Core Courses (Offered "F" = Fall, "S" = Spring)

AS.200.141	Foundations of Brain, Behavior and Cognition (F & S)	3
AS.290.101	Human Origins (S)	3
AS.200.208	Animal Behavior (F)	3
AS.080.250	Neuroscience Laboratory (F & S)	3
AS.290.490	Senior Seminar: Behavioral Biology	1

One Writing Intensive Behavioral Laboratory Course

AS.290.303 or AS.290.306	Animal Behavior and Communication Lab Behavioral Evolution Lab	3
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Behavioral Biology Elective Courses ²

Three courses (3 credits each) designated "biobehavioral" (BEHB-BIOBEH) 9

Two courses (3 credits each) designated "social science" (BEHB-SOCSCI) 6

Behavioral Biology Research/Internship Courses ³

Three credits (one semester) of Research, Internship, Independent Study or Intersession Galapagos trip 3

AS.290.500	Connections in Behavioral Biology	.50
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Total Credits 62.5-64.5

¹ For students with AP Biology credit, they may use only one course and its lab from those credits towards this requirement. Therefore, these student must take at least one biology course and its lab at JHU. Students who elect to take General Biology I or II with its lab will lose the corresponding AP credits. Students should also refer to AP credit policies for additional details around the use of AP Biology credits.

² Students should refer to the program website (<http://krieger.jhu.edu/behavioralbiology/courses/>) or the schedule of classes to identify elective choices.

³ Students must be registered in one of the following: AS.290.501, AS.290.502, AS.290.503, AS.290.504, AS.290.505, AS.290.506, AS.290.507, AS.290.508, AS.290.519, AS.290.520, AS.290.572, AS.290.590, AS.290.594, AS.290.595, AS.290.596, AS.290.597 OR AS.290.236 Program Abroad: Ecuador and Galapagos Islands: Tropical Biology & Evolution

Sample Program

This is only *one of many* possible course sequences that students may elect to follow.

First Year	First Semester	Credits	Second Semester	Credits
	AS.200.141	3	AS.290.101	3
	AS.110.106	4	AS.110.107	4

AS.030.101	3 AS.030.102	3
AS.030.105	1 AS.030.106	1
11		11

Second Year

First Semester	Credits	Second Semester	Credits
AS.200.208		3 Biology Option 2	3-4
Biology Option 1		3-4 Biology Lab Option 2	1-3
Biology Lab Option 1		1-2 BB Elective (BEHB-SOCSCI)	3
AS.280.345	4		
11-13		7-10	

Third Year

First Semester	Credits	Second Semester	Credits
AS.080.250 ¹		3 BB Elective (BEHB-SOCSCI)	3
BB Elective (BEHB-BIOBEH)		3 AS.290.306	3
Research or Internship	3		
AS.290.500	.50		
9.5		6	

Fourth Year

First Semester	Credits	Second Semester	Credits
AS.290.490 ²		1 BB Elective (BEHB-BIOBEH)	3
BB Elective (BEHB-BIOBEH)	3		
4		3	

Total Credits 62.5-67.5

¹ AS.080.250 Neuroscience Laboratory can be taken anytime after AS.200.141 Foundations of Brain, Behavior and Cognition

² AS.290.490 Senior Seminar: Behavioral Biology can be taken either Fall or Spring of senior year.

Honors in Behavioral Biology

Students receive recognition at graduation and notation on their JHU transcripts.

Requirements:

- Cumulative and Major GPA of at least 3.5
- 6 credits of research
- Letter of recommendation from research mentor
- An **Honors Thesis** that is based on their 6 credits of required research and is approved by their research mentor.

During the semester prior to graduation, students must submit verification of their mentor-approved Honors Thesis. Details on the format of the requirement can be found on the departmental website. Schedule a meeting with your faculty advisor if you are seeking departmental honors.

Note: While students register for credits for the research requirement, the honors thesis requirement is not credit-bearing. Three credits of the research used to complete the honors requirement may also be used to the research requirement of the major.