BEHAVIORAL BIOLOGY, BACHELOR OF ARTS

Behavioral Biology Major Requirements

(Also see Requirements for a Bachelor's Degree. (http://e-catalog.jhu.edu/arts-sciences/full-time-residential-programs/undergraduate-policies/academic-policies/requirements-for-a-bachelors-degree/))

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

1. The life sciences (e.g., biology and neuroscience)
2. The natural sciences (e.g., chemistry and physics) 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, Chemistry, and Physics Courses		
AS.110.106	Calculus I (Biology and Social Sciences)	4
or AS.110.108	Calculus I (Physical Sciences & Engineering)	
AS.110.107	Calculus II (For Biological and Social Science)	4
or AS.110.109	Calculus II (For Physical Sciences and Engineering)	
or AS.110.113	Honors Single Variable Calculus	
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	
AS.171.101	General Physics: Physical Science Major I	4
or AS.171.103	General Physics I for Biological Science Majors	
or AS.171.107	General Physics for Physical Sciences Majors (AL)	
AS.173.111	General Physics Laboratory I	1
AS.171.102	General Physics: Physical Science Major II	4
or AS.171.104	General Physics/Biology Majors II	
or AS.171.108	General Physics for Physical Science Majors (AL)	
AS.173.112	General Physics Laboratory II	1
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	4
AS.020.152 & AS.020.154	General Biology II and General Biology Lab II	4
AS.020.303 & AS.020.340	Genetics and Developmental Genetics Lab	5
AS.020.305 & AS.020.315	Biochemistry and Biochemistry Project lab	5
AS.020.306 & AS.020.316	Cell Biology and Cell Biology Lab	5
AS.020.374 & AS.020.377	Comparative Animal Physiology and Comparative Physiology Lab	4
Introductory Statistics		
EN.553.211	Probability and Statistics for the Life Sciences	4
EN.553.311	Probability and Statistics for the Biological Sciences and Engineering	4
or EN.553.310	Probability & Statistics for the Physical Sciences & Engineering	
EN.553.111 & EN.553.112	Statistical Analysis I and Statistical Analysis II	8
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
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
AS.290.490	Senior Seminar: Behavioral Biology	1
Behavioral Biology Research/Internship Courses		
Three credits (one semester) of Research, Internship or Intersession Galapagos trip		3
AS.290.500	Connections in Behavioral Biology	.50
Total Credits		100.5

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.

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
EN.553.211	4		
	11-13		7-10

Third Year

First Semester	Credits	Second Semester	Credits
AS.080.250[3]	3	AS.171.104	4
AS.171.103	4	AS.173.112	1
AS.173.111	1	BB Elective (BEHB-SOCSCI)	3
BB Elective (BEHB-BIOBEH)	3		
Research or Internship	3		
AS.290.500	.50		
	14.5		8

Fourth Year

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

Total Credits 69.5-74.5

[3] AS.080.250 Neuroscience Laboratory can be taken anytime afterAS.200.141 Foundations of Brain, Behavior and Cognition

[4] 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
- Two semesters of research (6 credits).
- Presentation of research findings at the Undergraduate Research Symposium (Fall semester) or DREAMS (Spring semester).
- A letter of recommendation from the research mentor attesting to the student's significant contribution to the research process.

During the semester prior to graduation, students must submit verification of their research presentation, along with their research mentor's letter of recommendation, to Linda M. White, the Behavioral Biology Program Administrator in 434 Dunning Hall by 4PM on the assigned day.