

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**  
**Behavioral Neuroscience Major**

Due to the number of shared courses between the BN major and the Biology and Psychology majors, students with a Behavioral Neuroscience major are not eligible to minor in Psychology or double major in BN and Biology.

NAME	USD ID#	Expected Graduation Date	(Mo/Yr)
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**The Core Curriculum For Behavioral Neuroscience Majors**

**NOTE:** A max of 4 units of (496, 497, 498, 499) can apply towards the major, while 6 units may count towards graduation. A max of 2 units of 496 in any given semester; can be repeated only once. 48 unit Upper Division Units requirement for graduation.

**Preparation for the Behavioral Neuroscience Major**

**Complete**

<b>MATH 150 or higher</b>	
<b>PSYC 101</b> (no prereq)	
<b>PSYC 230</b> (no prereq)	
<b>PSYC 260</b> (no prereq)	
<b>BIOL 240 and 240L</b>	
<b>BIOL 242 and 242L</b>	
<b>CHEM 151 and 151L</b> (MATH 115 or higher)	
<b>CHEM 152 and 152L</b> (MATH 115 or higher, CHEM 151/L)	
<b>PHYS 136 and 136L</b>	
<b>PHYS 137 and 137L</b>	

**The Behavioral Neuroscience Major**

<b>Cognition - PSYC 332-fall only</b> (PSYC 101, 230) or <b>PSYC 336</b> (PSYC 101, 230, 260)	
<b>Biological Psychology - PSYC 342</b> (PSYC 101, 230)	
<b>Behavioral Neuroscience - NEUR 310</b> (PSYC 342, BIOL 240/L, 242/L)	
<b>Capstone in Behavioral Neuro - NEUR 470</b> (ENGL 121, PSYC 260, 342; concurrent w NEUR 310 OK)	
<b>Exit Exam - NEUR 492</b> - 0 units; senior yr; anonymous; does not count for grade	
<b>Genetics - BIOL 300</b> (BIOL 240/L, 242/L)	
<b>Cell/Molecular - NEUR 305</b> (PSYC 342, BIOL 240/L, 242/L), <b>BIOL 478</b> (BIOL 300), <b>BIOL 480</b> (BIOL 300, CHEM 301), or <b>CHEM 331</b> (CHEM 302/L)	
<b>Evolution - BIOL 310</b> (BIOL 300, (BIOL 305 or EOSC 301W)), <b>BIOL 346</b> (BIOL 305 or EOSC 301W), <b>PSYC 344-spring only</b> (PSYC 101, 230), <b>PSYC 346</b> (PSYC 101), or <b>PSYC 347</b> (PSYC 101)	

**Electives:** (6 units): **NOTE: All courses in the above lines can count as electives if not used to fulfill the line.**  
**ANTH 310** (ANTH 101) or **ANTH 311** (ANTH 101);  
**BIOL 320** (BIOL 305 or EOSC 301W), **BIOL 376** (BIOL 300), **BIOL 482** (BIOL 300, CHEM 301), **BIOL 484** (BIOL 300);  
**CHEM 301/L** (CHEM 152/L), **CHEM 302/L** (CHEM 301/L), or **CHEM 335** (CHEM 220, 331), **CHEM 427** (CHEM 331, 335);  
**NEUR 372** (PSYC 342), **NEUR 494**, **NEUR 496**, **NEUR 499**;  
**PHIL 331**, **PHIL 413** (offered as Philosophy of Mind);  
**PHYS 340** (PHYS 272/L, MATH 250);  
**PSYC 305** (PSYC 260), **PSYC 355** (PSYC 101), **PSYC 357** (PSYC 101, 230), **PSYC 378**, **PSYC 470-466** (PSYC 101, 230, 260, plus others related to topic); some **Psy 494** (depends on topic)

**Note:** this sheet is subject to change (courses for electives might be added or deleted based on availability from the home departments).  
 AP/IB/CLEP credit granted per individual department guidelines

## All Course Options and Prerequisites by Course Number and Name

ANTH 101	Introduction to Biological Anthropology	NEUR 305	Cell/Molecular Neuroscience
ANTH 310	Human Evolution	NEUR 310	Behavioral Neuroscience
ANTH 311	Primatology	NEUR 372	Clinical Neuroscience
BIOL 240/L	Bioenergetics and Systems and Lab	NEUR 470	Adv. Res. Meth. Capstone in Behavioral Neuroscience
BIOL 242/L	Genomes and Evolution and Lab	NEUR 492	Major Field Test
BIOL 300	Genetics	NEUR 494	Special Topics in Behavioral Neuroscience
BIOL 305	Ecology	NEUR 496	Research Experience
BIOL 310	Evolution	NEUR 497	Independent Study
BIOL 320	Evolution of Vertebrate Structures	PHIL 331	Biomedical Ethics
BIOL 346	Vertebrate Natural History	PHIL 413	Philosophy of Mind
BIOL 376	Animal Development	PHYS 136/L	General Physics I and Lab
BIOL 478	Vertebrate Physiology	PHYS 137/L	General Physics II and Lab
BIOL 480	Cell Physiology	PHYS 270	Introduction to Mechanics
BIOL 482	Molecular Biology	PHYS 272/L	Introduction to Optics and Modern Physics/Lab
BIOL 484	Immunology	PHYS 340	Biological Physics
CHEM 151/L	General Chemistry and Lab I	PSYC 101	Introductory Psychology
CHEM 152/L	General Chemistry and Lab II	PSYC 230	Research Methods in Psychology
CHEM 301/L	Organic Chemistry and Lab I	PSYC 260	Statistics
CHEM 302/L	Organic Chemistry and Lab II	PSYC 305	Adv. Statistics
CHEM 331	Biochemistry	PSYC 332	Learning & Behavior
CHEM 335	Environmental Chemistry	PSYC 334	Human Memory
CHEM 427	Biophysical Chemistry	PSYC 336	Cognitive Psychology
ENGL 121	Composition and Literature	PSYC 342	Biological Psychology
EOSC 301W	Research Applications in EOS	PSYC 344	Animal Behavior: Comparative Psych. & Ethology
MATH 115	College Algebra	PSYC 346	Evolutionary Psychology
MATH 150	Calculus I	PSYC 347	Behavior Genetics
MATH 151	Calculus II	PSYC 355	Abnormal Psychology
MATH 250	Calculus III	PSYC 357	Health Psychology
		PSYC 378	Human Sexuality
		PSYC 470-476	Adv. Res. Methods Capstones

<b>Suggested Course Schedule for BN Major and Pre-Health</b>							
<b>Year 1 (F)</b>		<b>Year 1 (S)</b>		<b>Year 2 (F)</b>		<b>Year 2 (S)</b>	
Psyc 101		Psyc 230		Psyc 260		Psych 342	
Chem 151/L		Eng 121		Bio 242/L		Phys 136/L	
Math 150 <sup>1</sup>		Bio 240/L		Chem 301/L <sup>1</sup>		Chem 302/L <sup>1</sup>	
		Chem 152/L		Soc 101 <sup>2</sup>			
<b>Year 3 (F)</b>		<b>Year 3 (S)</b>		<b>Year 4 (F)</b>		<b>Year 4 (S)</b>	
Bio 300		Neur 310		Neur 470		Neur 492	
Phys 137/L		Evolution		Cell/Molecular		Elective <sup>3</sup>	
Chem 331 <sup>1</sup>		Psyc 332/336				Elective <sup>3</sup>	

<sup>1</sup> Required for pre-med and counts as BN elective

<sup>2</sup> Only required for pre-med

<sup>3</sup> Additional electives may be needed; check your DegreeWorks and plan ahead