

BA in Behavioral Neuroscience

The B.A. in Behavioral Neuroscience is a natural science major for B.A. distribution purposes.

College and university requirements for all majors (25 credit hours)

ENGL 1, 2	Composition and Literature (6)
	First Year Seminar (3)
	Social Sciences (8)
	Humanities (8)

Major Requirements

Required Major Courses	
BIOS 41	Biology Core I: Cellular and Molecular (3)
BIOS 42	Biology Core I: Cellular and Molecular Laboratory (1)
BIOS 115	Biology Core II: Genetics (3)
BIOS 116	Biology Core II: Genetics Laboratory (1)
BIOS 121	Biology Core III: Integrative and Comparative (3)
BIOS 122	Biology Core III: Integrative and Comparative Laboratory (1)
BIOS 276	Central Nervous System and Behavior (3)
BIOS 277	Experimental Neuroscience Laboratory (2) or
BIOS 278	Neurophysiology Laboratory or
BIOS 279	Experimental Molecular Neuroscience Laboratory
BIOS 382	Endocrinology of Behavior (3)

Advanced Neuroscience Elective (3 credits)

Choose one of the following:

BIOS 365	Neurobiology of Sensory Systems (3)
BIOS 366	Diseases of the Nervous System (3)
BIOS 384	Eukaryotic Signal Transduction (3)
BIOS 385	Synapses, Plasticity and Learning (3)
BIOS 386	Genes and the Brain (3)
BIOS 332	Behavioral Neuroanatomy (3)
BIOS 323	Evolution of Development (3)

Major Electives (6 credits)

Any 300-level BIOS course (except BIOS 347, 383, 387, 388, 391, or 393) not fulfilling another BNS requirement above.

PSYC 117	Cognitive Psychology (3)
PSYC 153	Personality (4)
PSYC 176	Mind and Brain (4)

Math and Science Requirements for the B.A. (31-32 credits)

MATH 21, 22	Calculus I, II (8) or
MATH 51, 52	Survey of Calculus I, II (7)
BIOS 130	Biostatistics (4)
CHM 30, 31	Introduction to Chemical Principles I, II (8) or
CHM 40, 41	Concepts, Models and Experiments I, II (8)
CHM 110, 112	Organic Chemistry (6)
CHM 111, 113	Organic Chemistry Laboratory I, II (2)
PSYC 1	Introduction to Psychology (4)

Other Options

The B.A. in Behavioral Neuroscience can be structured for a wide variety of possibilities (see listing of recommended elective courses). By using free electives to take additional science, the B.A. also can serve as a pre-professional degree for many graduate and professional schools. Students interested in a particular career-based program should consult their advisor or the program director, Professor Michael Kuchka.