

**FLORIDA ATLANTIC UNIVERSITY**  
**Department of Psychology Undergraduate Degree Program Information**  
**B.S. in Neuroscience & Behavior (replacing BS Psychobiology as of Fall, 2011)**  
*www.psy.fau.edu*

**DEGREE REQUIREMENTS FOR THE B.S. IN NEUROSCIENCE & BEHAVIOR:**

Minimum of 120 Credit Hours Required

The Neuroscience & Behavior Degree Program is designed to provide the type of undergraduate preparation necessary for students who are interested in pursuing graduate degrees in psychobiology, neuroscience, and/or behavioral biology, or in pursuing professional degrees in medicine or veterinary medicine. The student elects an emphasis in one of three areas: Ethology/Comparative Psychology, Behavioral Neuroscience, or Cellular Molecular Neuroscience.

**I. CORE REQUIREMENTS:** (58 credit hours required)

BCH 3033	Biochemistry I	3	CHM 2211L	Organic Chemistry II Lab	2
BSC 1010	Biological Principles	3	Math through Calculus (MAC 2233, 2241, 2242, 2281, 2282, 2311, 2312, or 2313)		
BSC 1010L	Biological Principles Lab	1	PCB 3063	Genetics	4
BSC 1011	Biodiversity	3	PHY 2048, 2049† General Physics I and II†		
BSC 1011L	Biodiversity Lab	1	<b>OR</b>		
CBH 4024	Comparative Animal Behavior	3	PHY 2053, 2054† College Physics I and II†		
CHM 2045	General Chemistry I	3	PSB 3002	Biolog. Bases of Behav. I	3
CHM 2045L	General Chemistry I Lab	1	PSY 1012	General Psychology	3
CHM 2046	General Chemistry II	3	PSY 3213	Res. Meth. in Psychology	3
CHM 2046L	General Chemistry II Lab	1	PSY 3234	Experim. Design and Stat. Inf.	3
CHM 2210	Organic Chemistry I	3	STA 3163L	Intermed. Statistics Lab	1
CHM 2211	Organic Chemistry II	3			

†This degree program does not require that students take Physics lab courses, however, students who are considering medical school should take the lab sequences. Also, the Physics department may require labs as co-requisites for lecture courses.

**II. CONCENTRATION AREA REQUIREMENTS:** A minimum of 12 credit hours in one of the following areas of concentration.

**1. Ethology/Comparative Psychology: 12 credit hours must be selected from the following list**

EXP 4304	Motivation	3	PSB 4504	Developmental Psychobiology	3
OCB 4043	Marine Biology	2	ZOO 2203	Invertebrate Zoology	3
OCB 4043L	Marine Biology Lab	2	ZOO 2203L	Invertebrate Zoology Lab	2
PCB 4043	Principles of Ecology	3	ZOO 4473	Ornithology	2
PCB 4414C	Behavioral Ecology	4	ZOO 4473L	Ornithology Lab	2
PCB 4674	Evolution	3	ZOO 4402	Funct. Biol. Marine Animals	3
PCB 4723	Comparative Animal Physiology	3	ZOO 4402L	Funct. Biol. Mar. Anim. Lab	1
PCB 4723L	Compar Animal Physiol. Lab	1	ZOO 4690	Compar. Vertebrate Morph.	3
PSBL 3002	Computer Lab in Psychobiology	3	ZOO 4690L	Compar. Vertebrate Morph Lab	2
PSBL 4004	Lab in Psychobiology	3			

**2. Behavioral Neuroscience: 12 credit hours must be selected from the following list**

EXP 4204	Human Perception	3	PSB 4240	Neuropsychology	3
EXP 4120	Auditory Perception	3	PSB 4323	Human Psychophysiology	3
PCB 4723	Compar. Animal Physiology	3	PSB 4444	Psychopharmacology	3
PCB 4723L	Comp. Anim. Physiology Lab	1	PSB 4504	Developmental Psychobiology	3
PSBL 3002	Comput Lab in Psychobiology	3	PSB 4810	Neurobiol. of Learning and Memory	3
PSBL 4004	Lab in Psychobiology	3	PSB 4833	Biopsychology of Language	3
PSB 4006	Biological Bases of Behavior II	3	PSB 6515	Developmental Neurobiology	3

**3. Cellular Molecular Neuroscience: A total of 12 credit hours must be completed:**

**One of the following courses must be completed (3 credit hours):**

PCB 4842 Cell Neuroscience & Disease or PCB 4843C Practical Cell Neuroscience

*Note: if both courses are completed, the second one may be counted toward the 9 remaining credit hours for this concentration (see below).*

**Nine (9) additional credit hours must be selected from the following list**

PCB 4842 Cell Neuroscience & Disease	3	PCB 3704L Human Morph. & Function 2 Lab	1
PCB 4843C Practical Cell Neuroscience	3	PCB 4023 Molec. & Cell Biology	3
PCB 3703 Human Morph. & Function 1	3	PCB 4723 Comparative Animal Physiology	3
PCB 3703L Hum Morph. & Function 1 Lab	1	PCB 4723L Compar Animal Physiol. Lab	1
PCB 3704 Human Morph. & Function 2	3	PSB 4810 Neurobio. Learning & Memory	3

**Academic Advising:**

**Boca Raton Campus:** ALL undergraduate academic advising for neuroscience and behavior students will be handled by the staff of the Student Services Office for the Charles E. Schmidt College of Science. This advising will address the requirements for the major as well as for the other general graduation requirements that must be completed. The Student Services Office is located in the Science and Engineering Building (SE) in room 308. Students can arrange for an advising appointment with the staff in that office by logging into the AdvisorTrac system online at <http://advisortrac.science.fau.edu/AdvisorTrac/default.html>. Students needing further assistance can contact the office by telephone at 561-297-3700. Psychology and Biological Sciences department faculty (on all campuses) are available to students for guidance in career choices, graduate training, research opportunities, information about specific sub-disciplines within the field, etc. Undergraduate students are strongly encouraged to seek out a faculty mentor to complement the comprehensive academic planning that is offered via the College of Science's Student Services Office.

**Other Campuses:** Advising on the *Davie* campus is provided by the Academic Coordinator in the Davie Student Services Office at (954) 236-1103. Advising on the *MacArthur* campus in *Jupiter* is conducted by Academic Advising and Services at (561) 799-8697 or (561) 799-8698.