NEW/CHANGE PROGRAM REQUEST
Undergraduate Programs

FLORIDA ATLANTIC UNIVERSITY

UUPC Approval 3/27/23
UFS Approval _____
Banner _____
Catalog _____

Department Psychology and Biological Sciences

College Science

Program Name
BS with Major in Neuroscience & Behavior

☐ **New Program***

☑ **Change Program***

Effective Date
(TERM & YEAR)
Summer 23

Please explain the requested change(s) and offer rationale below or on an attachment.

Add PSB 4842 Neuroscience of Sleep to Behavioral Neuroscience Elective Requirements.

*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

Faculty Contact/Email/Phone
Lauren Mavica; lkogelsc@fau.edu; 6-3364

Consult and list departments that may be affected by the change(s) and attach documentation

Approved by		***Date***
Department Chair	SL Mitton Robin Vallacher	02/26/23
College Curriculum Chair		3-14-23
College Dean		
UUPC Chair	Ethlyn Williams	3/27/23
Undergraduate Studies Dean	Dan Moeroff	3/27/23
UFS President		
Provost		

Email this form and attachments to mjenning@fau.edu seven business days before the UUPC meeting.

Neuroscience and Behavior

Bachelor of Science (B.S.)

(Minimum of 120 credits required)

The B.S. degree in Neuroscience and Behavior is administered jointly by the Department of Psychology and the Department of Biological Sciences. The Neuroscience and Behavior program provides undergraduate preparation for students interested in pursuing graduate degrees in behavioral neuroscience, neurobiology and/or behavioral biology, or in pursuing professional degrees in medicine or veterinary medicine. Qualified students are strongly encouraged to become involved in neuroscience and behavior research projects (normally via a Directed Independent Study, Directed Independent Research or special research course). An optional Honors Thesis, PSY 4970, is available to those students who meet the academic requirements. A grade of "C-" or better (unless otherwise noted in the course description) is required in all psychology, biology and cognate courses taken as part of the requirements for a B.S. with major in Neuroscience and Behavior. However, students must maintain a "C" average in departmental major courses.

Prerequisite Coursework for Transfer Students

Students transferring to Florida Atlantic University must complete both lower-division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the college and major. Lower-division requirements may be completed through the A.A. degree from any Florida public college, university or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the *Transition Guides.*

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

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In addition to the University and College requirements, students are expected to complete all of the following courses. A minimum of 24 of the upper-division credits in the B.S. Neuroscience and Behavior program must be taken at Florida Atlantic University.

Core Requirements

Biological Principles	BSC 1010	3
Biological Principles Lab	BSC 1010L	1
Biodiversity	BSC 1011	3
Biodiversity Lab	BSC 1011L	1
Comparative Animal Behavior	CBH 4024	3
General Chemistry 1	CHM 2045	3
General Chemistry 1 Lab	CHM 2045L	1
General Chemistry 2	CHM 2046	3
General Chemistry 2 Lab	CHM 2046L	1
Math through Calculus	MAC 2233, 2311, 2312 or 2313	3
Genetics	PCB 3063	4
Organic Chemistry 1 and 2	CHM 2210 and CHM 2211	6
General Physics 1 and 2* or College Physics 1 and 2*	PHY 2048 and PHY 2049 or PHY 2053 and PHY 2054	8

Organic Chemistry Lab	CHM 2211L	2
Biochemistry	BCH 3033	3
Biological Bases of Behavior	PSB 3002	3
General Psychology	PSY 1012	3
Research Methods in Psychology	PSY 3213	3
Experimental Design and Statistical Inference	PSY 3234	3
Intermediate Statistics Lab	STA 3163L	1

* This degree program does not require that students take Physics lab courses. However, students considering medical school should take the lab sequences. The Physics Department may require labs as corequisites for lecture courses.

Elective Requirements
Students are expected to complete a minimum of 12 credits of elective courses. Students are free to choose their elective courses from those listed below.

Behavioral Neuroscience		
Cognition	EXP 3505	3
Human Perception	EXP 4204	3
Practical Cell Neuroscience	PCB 4843C	3
Comparative Animal Physiology	PCB 4723	3
Comparative Animal Physiology Lab	PCB 4723L	1
Biological Bases of Behavior II	PSB 4006	3
Neuropsychology	PSB 4240	3
Human Psychophysiology	PSB 4323	3
Psychopharmacology	PSB 4444	3
Developmental Psychobiology	PSB 4504	3
RI: Neurobiology of Learning and Memory	PSB 4810	3
Neuroscience of Sleep	PSB 4842	3
Special Topics*	BSC 4930	1-3
Special Topics*	PSY 4930	1-3
Special Topics in Neuroscience and Behavior*	PSB 4930	3
Developmental Neurobiology	PSB 6515	3
Principles of Human Neuroanatomy	ZOO 4742	3
Directed Independent Research in Neuroscience and Behavior**	PSB 4915	1-3
Directed Independent Research in Neuroscience and Behavior**	PSB 4917	0-3