

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST Undergraduate Programs</b>	UUPC Approval <u>3-29-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	Department _____ College _____	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <b>Program Name</b> </div> <div style="width: 30%; text-align: center;"> <b>New Program</b>   <b>Change Program</b> </div> <div style="width: 30%; text-align: center;"> <b>Effective Date</b>  <i>(TERM &amp; YEAR)</i> </div> </div>
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b>                    		
<b>Faculty Contact/Email/Phone</b>		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>
<b>Approved by</b>		<b>Date</b>
Department Chair <u>William O'Brien</u>		<u>3/14/21</u>
College Curriculum Chair <u>Carmen Canete-Quesada</u>		<u>3/14/21</u>
College Dean <u>Terje Hill</u>		<u>3/12/2021</u>
UUPC Chair <u>Jerry Haky</u>		<u>3-29-21</u>
Undergraduate Studies Dean <u>Edward Pratt</u>		<u>3-29-21</u>
UFS President _____		_____
Provost _____		_____

Email this form and attachments to [mjenning@fau.edu](mailto:mjenning@fau.edu) one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.

## Concentration in Neuroscience

There are two tracks:

Track one: Cellular Neuroscience

Track Two: Neuroscience, Cognition, and Behavior

Track one

Neuroscience - Cellular Neuroscience

Required courses

Course#	Course Title	Credits
<b>NEURO CORE</b>		
PSY 1012	Honors General Psychology	3
BSC 1010	Honors Biological Principles	3
BSC 1010L	Honors Biological Principles Lab	1
PCB 3703	Honors Human Morphology 1	3
PCB 3703L	Honors Morphology and Function 1 Lab	1
CHM 2045	Honors General Chemistry 1	3
CHM 2045L	Honors General Chemistry 1 Lab	1
CHM 2046	Honors General Chemistry 2	3
CHM 2046L	Honors General Chemistry 2 Lab	1
STA 2023	Honors Statistics	3
<del>BSC 4915*</del>	<del>Honors Research in Biology</del>	<del>3</del>
BSC 4970* <b>IDS 4970</b>	<b>RI: Honors Thesis</b>	<b>3 6</b>

\*With permission of the advisory board, other thesis numbers (e.g. CHM, PSY, PHY) may be substituted.

Additional required courses

<b>Course#</b>	<b>Course Title</b>	<b>Credits</b>
MAC 2311	Honors Calculus 1	4
MAC 2312*	Honors Calculus 2	4
CHM 2204	Honors Organic Chemistry 1	3
CHM 2204L	Honors Organic Chemistry 1 Lab	1
CHM 2205	Honors Organic Chemistry 2	3
CHM 2205L	Honors Organic Chemistry 2 Lab	1
PHY 2048	Honors General Physics 1	4
PHY 2048L	Honors General Physics 1 Lab	1
PHY 2049*	Honors General Physics 2	4
PHY 2049L*	Honors General Physics 2 Lab	1
BCH 3033	Honors Biochemistry	3
PCB 3063	Honors Genetics	4
PCB 4102	Honors Cell Biology	4
	<b>Cellular Neuroscience Electives</b> (selected from list below)	<b>9</b>
	<b>TOTAL</b>	<b>74</b>

\*Students may substitute College Physics II (PHY 2054) and College Physics II Lab (PHY 2054L) for

PHY 2049/L, in which case MAC 2312 would not be required. But Calculus-based Physics is highly recommended.

Cellular Neuroscience Electives (select 3)

<b>Course#</b>	<b>Course Title</b>	<b>Credits</b>
PCB 4843C	Practical Cell Neuroscience	3
ZOO 4742	Honors Principles of Human Neuroanatomy	3
BSC 4930	Honors CRISPR Tech Lab	3
BSC 4930	Honors Developmental Neurobiology	3
BSC 4930	Honors Neurophysiology	3
BSC 4930	Honors Sensory Systems	3
BSC 4930	Honors Science of Addiction	3
BSC 4930	Honors Systems Neuroscience	3
PSB 3340	Honors Behavioral Neuroscience	3

Course#	Course Title	Credits
PSB 3441	Honors Drugs and Behavior (psychopharmacology)	3
PCB 4842	Cellular Neuroscience	3
Other electives approved by your neuroscience faculty advisor		

Track Two

Neuroscience - Neuroscience, Cognition, and behavior

### Advising sheet

Course#	Course Title	Credits
<b>NEURO CORE</b>		
PSY 1012	Honors General Psychology	3
BSC 1010	Honors Biological Principles	3
BSC 1010L	Honors Biological Principles Lab	1
PCB 3703	Honors Human Morphology I	3
PCB 3703L	Honors Human Morphology and Function I Lab	1
CHM 2045	Honors General Chemistry 1	3
CHM 2045L	Honors General Chemistry 1 Lab	1

<b>Course#</b>	<b>Course Title</b>	<b>Credits</b>
CHM 2046	Honors General Chemistry 2	3
CHM 2046L	Honors General Chemistry 2 Lab	1
STA 2023	Honors Statistics	3
PSY 4971*	Honors Thesis	6

\*With permission of the advisory board, other thesis numbers (e.g. CHM, BIO, PHY) may be substituted.

#### **Additional required courses**

PSB 3340	Honors Behavioral Neuroscience	3
CLP 4144	Honors Psychopathology (Abnormal Psychology)	3
EXP 3604	Honors Cognition	3
PSY 3213	Honors Research Methods in Psychology	3
PSY 3213L	Honors Research Methods in Psychology Lab	1
PSY 4933	Honors Advanced Writing in Psychology	1
PSB 3441	Honors Drugs and Behavior (Psychopharmacology)	3
	<b>Psychology Electives (see list below)</b>	<b>6</b>
	<b>Neuroscience Electives (see list below)</b>	<b>9-11</b>
	<b>TOTAL</b>	<b>60-62</b>

Neuroscience Electives (select 3)

<b>Course#</b>	<b>Course Title</b>	<b>Credit</b>
PCB 3063	Honors Genetics	4
PCB 4102	Honors Cell Biology	4
PCB 4843C	Practical Cell Neuroscience	3
BSC 4930	Honors Neurophysiology	3
BSC 4930	Honors Science of Addiction	3
BSC 4930	Honors CRISPR Tech Lab	3
BSC 4930	Honors Developmental Neurobiology	3
BSC 4930	Honors Sensory Systems	3
BSC 4930	Honors Systems Neuroscience	3
PCB 4842	Cellular Neuroscience	3
ZOO 4742	Honors Principles of Human Neuroanatomy	3

Other electives approved by your neuroscience faculty advisor

Psychology Electives (select 2)

<b>Course#</b>	<b>Course Title</b>	<b>Credits</b>
CLP 4314	Honors Health Psychology	3
SOP 3004	Honors Principles of Social Psychology	3
DEP 3053	Honors Psychology of Human Development	3
PSY 4930	Honors Psychology of Adult Development and Aging	3

<b>Course#</b>	<b>Course Title</b>	<b>Credits</b>
PPE 3033	Honors Personality	3
PSY 4604	Honors History and Systems of Psychology	3
Other electives approved by your neuroscience faculty advisor		