

FAU FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Undergraduate Programs		UUPC Approval <u>12/01/25</u> UFS Approval _____ Banner _____ Catalog _____
	Department ^{N/A} College Honors College		
Program Name Biomedical Science Concentration		<input type="checkbox"/> New Program* <input checked="" type="checkbox"/> Change Program*	Effective Date (TERM & YEAR) Summer 2026
<p>Please explain the requested change(s) and offer rationale below or on an attachment.</p> <p>Add BSC 4892 Honors Artificial Intelligence Applications in Biology and PCB 3850C Honors Neurobiology Imaging to the list of electives, from which students must choose 14 credits. Change course number for Honors Introduction to Neuroscience from BSC 4930 to PCB 3840.</p>			
<p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p>			
Faculty Contact/Email/Phone Kelsie M. Bernot / kbernot@fau.edu		Consult and list departments that may be affected by the change(s) and attach documentation N/A	
Approved by Department Chair <u><i>Tracy Muro</i></u> College Curriculum Chair <u><i>Terje Hill</i></u> College Dean <u><i>Jeff</i></u> UUPC Chair <u><i>Korey Sorge</i></u> Undergraduate Studies Dean <u><i>Dan Meeroff</i></u> UFS President _____ Provost _____		Date <u><i>11/21/2025</i></u> <u><i>11-21-2025</i></u> <u><i>11-21-25</i></u> <u><i>12/01/25</i></u> <u><i>12/01/25</i></u> _____ _____	

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

Concentration in Biomedical Science

Students must earn a "C" or better in each course taken to fulfill a concentration requirement.

NOTE: Due to the significant overlap, students may not double concentrate in Biology and Biomedical Science.

Overview

The biomedical science concentration is designed for those students who wish to go on to graduate school, medical school, or who desire to work for biotech firms, government agencies, or other organizations in the biomedical field.

Advisory Board:

[Dr. Kelsie Bernot](#)

[Dr. Lucia Carvelli](#)

[Dr. Andia Chaves Fonnegra](#)

[Dr. Erik Duboué](#)

[Dr. Conrad Toepfer](#)

[Dr. Catherine Trivigno](#)

Courses

CONCENTRATION IN Biomedical Science

Course #	Course Name	Credits
BSC 1010, 1010L	Honors Biological Principles with Lab	4
BSC 1011, 1011L	Honors Biodiversity with Lab	4
CHM 2045, 2045L	Honors General Chemistry I with Lab	4
CHM 2046, 2046L	Honors General Chemistry II with Lab	4
MAC 2311	Honors Calculus I with Analytic Geometry	4
STA 2023 or MAC 2312	Honors Introductory Statistics or Honors College Calculus II	3-4
PHY 2048 or PHY 2053	Honors General Physics I or Honors College Physics I	4
PHY 2048L	Honors Gen Physics I Lab	1
PHY 2049 or PHY 2054	Honors General Physics II or Honors College Physics II	4
PHY 2049L	Honors Gen Physics II Lab	1
CHM 2210, 2204L	Honors Organic Chemistry I with Lab	4
CHM 2211, 2205L	Honors Organic Chemistry II with Lab	4
PCB 3703, PCB 3703L or BSC 2085, 2085L	Honors Human Morphology and Function I with Lab or Anatomy and Physiology 1 with Lab	4

Course #	Course Name	Credits
PCB 3063	Honors Genetics	4
	Electives	14
IDS 4970	Honors Thesis (two semesters)	6
	Total Credits	72-73

Electives

Students are reminded that they need 42 upper-level (3000 or 4000) credits.

Course #	Course Name	Credits
BCH 3033	Honors Biochemistry	3
BSC 3452	Honors Experimental Design and Data Analysis*	3
BSC 4403L	Honors Biotechnology Lab	2
BSC 4442C	Honors Molecular Ecology	3
BSC 4892	Honors AI Applications in Biology	3
BSC 4915	Honors Dir Ind Res in Biology	1-3
BSC 4930	Honors Special Topics in Biology (Must be related to biomedical science—approval of advisor required)	1-3
BSC 4930	Honors Introduction to Neuroscience	3
MCB 3020 (w/3020L)	Honors Microbiology (with Lab)	3 (4)
PCB 3411	Honors Animal Behavior	3
PCB 3704, PCB 3704L or BSC 2086, 2086L	Honors Human Morphology and Function II with Lab or Anatomy and Physiology II with Lab	4
PCB 3840	Honors Introduction to Neuroscience	3
PCB 3850C	Honors Neurobiology Imaging	3
PCB 4054C	RI: Honors Drosophila Genes and Behavior (CURE)	3
PCB 4102	Honors Molecular Cell Biology	3
PCB 4102	Honors Cell Biology	4
PCB 4233	Immunology	3
PCB 4234	Honors Biology of Cancer	3
PCB 4253	Honors Developmental Biology	3
PCB 4673	Honors Evolution	3
PCB 4832C	RI Neurophysiology	3
PCB 4841	Honors Cellular Neuroscience	3
PHI 4633	RI: Biomedical Ethics	3
PSB 3340	Honors Behavioral Neuroscience	3
PSB 3441	Honors Drugs and Behavior	3
PSB 4003	Introduction to Neuroscience Research	3

PSB 4072	Honors Neurobiology of Mental Illness	3
PSB 4243	Honors Neuroscience of Addiction	3
ZOO 2303, 2303L	Honors Vertebrate Zoology with Lab	4
ZOO 4742	Honors Principles of Human Neuroanatomy	3

Note: Students in the Max Planck Honors Program may count Introduction to Neuroscience Research (PSB 4003, 1 credit) and two distinct MPHP Enrichment courses (1 credit each) as their 3 credit, Biology elective.