Bachelor of Science in Biomedical Sciences  
Neuroscience Track  
Catalog Year 2021-2022

I. University Requirements
- UCF General Education Program
- 120 Total Credit Hours
- 42 Upper Level Credit Hours
  *Refer to your degree audit to ensure all University requirements are Satisfied

II. Pending Requirements
To transition out of “Pending” status, students must earn a “C” or better in these courses or their equivalents:
- BSC 2010C    Biology I       4 hrs
- CHM 2045C    Chemistry Fundamentals I*  4 hrs
  *Prerequisites: Passing Score on Chemistry Placement Exam or CHM 1025
- CHM 2046    Chemistry Fundamentals II  3 hrs
- CHM 2210    Organic Chemistry I  3 hrs

III. Major Requirements
- Students must maintain a 3.2 Science GPA to graduate with this degree.

A. Core Curriculum

Life Sciences
- BSC 2011C    Biology II  4 hrs
- PCB 4280    Molecular Immunology  3 hrs
- PCB 3233L    Immunology Lab  1 hr
- MCB 3020C    General Microbiology  5 hrs
- BSC 3403C    Quantitative Biological Methods  4 hrs
- PCB 3522    Molecular Biology I  3 hrs
- PCB 4524    Molecular Biology II  3 hrs
- MCB 4242    Molecular Biology of Diseases  3 hrs
- PCB 4843    Cellular and Molecular Neuroscience  3 hrs
- ZOO 3744    Neurobiology  3 hrs
- ZOO 4743C    Clinical Neuroanatomy and Neuroscience  4 hrs

Chemistry
- CHM 2046L    Chemistry Fundamentals Lab  1 hr
- CHM 2211    Organic Chemistry II  3 hrs
- CHM 2211L    Organic Laboratory Techniques I  2 hrs
- BCH 4053 -OR- BCH 4024 Biochemistry I or Medical Biochemistry  3 hrs/4 hrs

Math
- MAC 2311C    Calculus with Analytic Geometry I*  4 hrs
  *Prerequisites: MAT 1033C, MAC 1105C, MAC 1114C, MAC 1140C
- STA 2023    Statistical Methods I  3 hrs

Physics
Select One Sequence:
- PHY 2053C (or PHY 2053+2053L)    College Physics I  4 hrs
- PHY 2054C (or PHY 2054+2054L)    College Physics II  4 hrs
-OR-
- PHY 2048C (or PHY 2048+2048L)    General Physics Using Calculus I  4 hrs
- PHY 2049C (or PHY 2049+2049L)    General Physics Using Calculus II  4 hrs

B. Restricted Electives
Must take at least 3 restricted elective courses (at least 2 must have a lab component and only 1 can be chosen from the full list of Biomedical Sciences restricted electives).
- PCB 3703C Human Physiology
- PCB 4028 Molecular and Cell Pharmacology
- PCB 4135 Applied Molecular Cell Biology
- PCB 4174 Foundation Bio-Imaging Science
- PCB 4234 Cancer Biology
- PCB 4284 Immunobiology
- PCB 4832 Cell and Molec Basis of Brain Func
- ZOO 4742 Advanced Neurobiology
- ZOO 4747C Clinical Neuroscience

Note: Participating in AIM, GEAR, HIM (with approval), PILOT, or PURE will substitute for one lab restricted elective.