



Bachelor of Science in Biomedical Sciences

Neuroscience Track

Catalog Year 2025-2026

☐ **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*

☐ **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

☐ ZOO3744 Neurobiology ("B" or better) 3 hrs

Major Requirements

☐ **Students must maintain a 3.0 Science GPA to graduate with this degree.**

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 4224 Molecular Biology of Diseases 3 hrs

☐ PCB 4843 Cellular and Molecular Neuroscience 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 & 2054C (**or** PHY 2053+2053L) College Physics I & II 8 hrs

-OR-

PHY 2048C & 2049C (**or** PHY 2048+2048L) General Physics Using Calculus I 8 hrs

A. Restricted Electives

Must take at least **4 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 4284 Immunobiology

☐ PCB 4028 Molecular and Cell Pharmacology

☐ PCB 4832 Cell and Molec Basis of Brain Func

☐ PCB 4135 Applied Molecular Cell Biology

☐ ZOO 4742 Advanced Neurobiology

☐ PCB 4174 Foundation Bio-Imaging Science

☐ ZOO 4747C Clinical Neuroscience

☐ PCB 4234 Cancer Biology

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