

COLLEGE OF PSYCHOLOGY
SAMPLE FOUR YEAR CURRICULUM | 2024-2025 CATALOG
BACHELOR OF SCIENCE - NEUROSCIENCE

| Freshman Year | | | |
|---|-----------|---|-----------|
| Fall | | Winter | |
| Course | Credits | Course | Credits |
| General Education: Written Composition | 3 | General Education: Written Composition | 3 |
| General Education: Mathematics* | 3 | General Education: Arts & Humanities | 3 |
| PSYC 1020: Introduction to Psychology | 3 | MATH 2100: Calculus I | 4 |
| NEUR 2500: Introduction to Neuroscience/Lab | 4 | BIOL 1500: Biology I/Lab | 4 |
| UNIV 1000: First Year Seminar | 3 | | |
| Total Credits | 16 | Total Credits | 14 |
| Sophomore Year | | | |
| Fall | | Winter | |
| Course | Credits | Course | Credits |
| General Education: Arts & Humanities | 3 | General Education: Social and Behavioral Sciences | 3 |
| CHEM 1300: Chemistry I/Lab | 4 | CHEM 1310: Chemistry II/Lab | 4 |
| NEUR 2600: Introduction to Neuroanatomy | 3 | NEUR 2700: Research Methods and Data Analysis | 4 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | | |
| Total Credits | 16 | Total Credits | 14 |
| Junior Year | | | |
| Fall | | Winter | |
| Course | Credits | Course | Credits |
| Advanced Neuroscience Course | 3 | Advanced Neuroscience Course | 3 |
| Major Elective | 3 | Major Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total Credits | 15 | Total Credits | 15 |
| Senior Year | | | |
| Fall | | Winter | |
| Course | Credits | Course | Credits |
| BIOL 4340: Cellular and Molecular Biology | 3 | NEUR 4885: Senior Seminar in Neuroscience | 3 |
| NEUR 3000: Behavioral Genetics | 3 | Major Elective | 3 |
| Major Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total Credits | 15 | Total Credits | 15 |
| TOTAL CREDITS: 120 | | | |

*NOTE: This sample plan is based on the student beginning at least at the level of MAT
 The plan will need to be adjusted for students beginning at a lower level of MATH.

Advanced Neuroscience Courses

Select 6 credits from the following:

| | |
|--|---------|
| <u>NEUR 1020: Nutritional Neuroscience</u> | 3 |
| <u>NEUR 2090: Sports Neuroscience</u> | 3 |
| <u>NEUR 3010: Introduction to Theoretic</u> | 3 |
| <u>NEUR 3100: Developmental Neurosci</u> | 3 |
| <u>NEUR 3200: Drugs and the Brain</u> | 3 |
| <u>NEUR 4100: Neurobiology of Disease</u> | 3 |
| <u>NEUR 4950: Internship in Behavioral N</u> | 1-3 cr. |
| <u>NEUR 4955: Internship in Neuroscienc</u> | 1-3 cr. |
| <u>NEUR 4990: Independent Study in Beh</u> | 1-3 cr. |
| <u>NEUR 4995: Independent Study in Ne</u> | 1-3 cr. |

Major Electives

Select 12 credits from the following list. Prerequisites that are not already embedded in the curriculum are noted.

| | |
|---|---|
| <u>CHEM 3650: Biochemistry/Lab</u> | 4 |
| <i>Prerequisites:</i> | |
| <u>BIOL 1500: Biology I/Lab</u> | 4 |
| AND | |
| <u>CHEM 2200: Essentials of Organic Chemistry</u> | 4 |
| OR | |
| <u>CHEM 2410: Organic Chemistry II/Lab</u> | 4 |
| <u>NEUR 3010: Introduction to Theoretical and Computa</u> | 3 |
| <u>PHYS 2350: General Physics I/Lab</u> | 4 |
| <u>PHYS 2360: General Physics II/Lab</u> | 4 |
| <i>Prerequisites:</i> | |
| <u>PHYS 2350: General Physics I/Lab</u> | 4 |
| AND | |
| <u>MATH 1250: Trigonometry</u> | 3 |
| <u>PSYC 3900: Neuropsychology</u> | 3 |
| <u>PSYC 3920: Sensation and Perception</u> | 3 |
| <u>PSYC 4300: Psychophysiology</u> | 3 |
| <u>PSYC 4400: Hormones and Behavior</u> | 3 |
| <u>PHIL 3180: Biomedical Ethics</u> or | 3 |
| <u>PHIL 3180H: Biomedical Ethics Honors</u> | 3 |
| <u>PHIL 3220: Philosophy of Science</u> | 3 |