

College of Science
Bachelor of Science in Neuroscience
For Student Date of Entry Under UG Catalog 2023-2024
Major in Experimental Neuroscience

| Fall Semester Freshman 2023 | | Credits | Spring Semester Freshman 2024 | | Credits |
|--|--|-----------|--|--|-----------|
| *BIOL 1105: (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology | | 3 | NEUR 2025: Introduction to Neuroscience | | 3 |
| *BIOL 1115: Principles of Biology Lab | | 1 | NEUR 2035: Introduction to Neuroscience Lab | | 1 |
| CHEM 1035: General Chemistry | | 3 | CHEM 1036: General Chemistry | | 3 |
| CHEM 1045: General Chemistry Lab | | 1 | **CHEM 1046: General Chemistry Lab | | 1 |
| MATH 1214: Preparation for Calculus | | 3 | MATH1025: (Pathways Concept5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus | | 3 |
| *NEUR 1004: Neuroscience Orientation Seminar | | 2 | ENGL 1106: (Pathways Concept 1F Discourse-Foundational): First Year Writing | | 3 |
| ENGL 1105: (Pathways Concept 1F Discourse-Foundational): First Year Writing | | 3 | PSYC 1004: Introductory Psychology | | 3 |
| TOTAL | | 16 | TOTAL | | 17 |
| Fall Semester Sophomore 2024 | | Credits | Spring Semester Sophomore 2025 | | Credits |
| NEUR 2026: Introduction to Neuroscience | | 3 | **BIOL 1106: (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology | | 3 |
| NEUR 2036: Introduction to Neuroscience Lab | | 1 | **BIOL 1116: Principles of Biology Lab | | 1 |
| *NEUR 2554: Experimental Neuroscience | | 3 | NEUR 3084: Cognitive Neuroscience | | 3 |
| Free Elective | | 3 | Pathways Concept 1A: Discourse- Advanced | | 3 |
| Pathways Concept 2: Pathways Critical Thinking in the Humanities | | 3 | Pathways Concept 2: Pathways Critical Thinking in the Humanities | | 3 |
| MATH1026: (Pathways Concept5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus | | 3 | Pathways Concept3: Pathways Reasoning in the Social Sciences | | 3 |
| TOTAL | | 16 | TOTAL | | 16 |
| Fall Semester Junior 2025 | | Credits | Spring Semester Junior 2026 | | Credits |
| NEUR 3044: Cellular and Molecular Neuroscience | | 3 | **NEUR 3554: Neuroscience Research and Practical Experience | | 3 |
| PHYS 2205: General Physics | | 3 | PHYS 2206: General Physics | | 3 |
| PHYS 2215: General Physics Lab | | 1 | PHYS 2216: General Physics Lab | | 1 |
| RESTRICTED ELECTIVE | | 3 | RESTRICTED ELECTIVE | | 3 |
| Pathways Concept6D: Critique and Practice in Design and the Arts (Design) | | 3 | STAT 3616: Biostatistics | | 3 |
| STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics | | 3 | Pathways Concept 3: Reasoning in the Social Sciences | | 3 |
| TOTAL | | 16 | TOTAL | | 16 |
| Fall Semester Senior 2026 | | Credits | Spring Semester Senior 2027 | | Credits |
| Pathways Concept7: Critical Analysis of Identity and Equity in the US | | 3 | NEUR 4044: Neuroscience Senior Seminar | | 3 |
| RESTRICTED ELECTIVE | | 3 | RESTRICTED ELECTIVE | | 3 |
| Pathways Concept6A: Critique and Practice in Design and the Arts (Arts) | | 3 | Free Elective | | 3 |
| Free Elective | | 3 | Free Elective | | 3 |
| TOTAL | | 12 | TOTAL | | 12 |

SAMPLE Academic Plan for students graduating calendar year 2027
Minimum of 120 credit hours needed for graduation

*Fall only course **Spring only course