

College of Science
Bachelor of Science in Neuroscience
For Student Date of Entry Under UG Catalog 2024-2025
Major in **Experimental Neuroscience**

| Fall Semester Freshman 2024 | | Credits | Spring Semester Freshman 2025 | | Credits |
|---|-----------|---------|---|-----------|---------|
| *BIOL 1105: (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology | 3 | | **BIOL 1106: (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology | 3 | |
| *BIOL 1115: Principles of Biology Lab | 1 | | **BIOL 1116: Principles of Biology Lab | 1 | |
| CHEM 1035: General Chemistry | 3 | | CHEM 1036: General Chemistry | 3 | |
| CHEM 1045: General Chemistry Lab | 1 | | **CHEM 1046: General Chemistry Lab | 1 | |
| ENGL 1105: (Pathways Concept 1F: Discourse-Foundational): First Year Writing | 3 | | ENGL 1106: (Pathways Concept 1F: Discourse-Foundational): First Year Writing | 3 | |
| MATH 1214: Preparation for Calculus | 3 | | MATH 1025: (Pathways Concept 5F: Quantitative and Computational Thinking–Foundational): Elementary Calculus | 3 | |
| NEUR 1004: Neuroscience Orientation Seminar | 2 | | PSYC 1004: Introductory Psychology | 3 | |
| TOTAL | 16 | | TOTAL | 17 | |
| Fall Semester Sophomore 2025 | | Credits | Spring Semester Sophomore 2026 | | Credits |
| NEUR 2025: Introduction to Neuroscience | 3 | | NEUR 2026: Introduction to Neuroscience | 3 | |
| NEUR 2035: Introduction to Neuroscience Lab | 1 | | NEUR 2036: Introduction to Neuroscience Lab | 1 | |
| Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts) | 3 | | Free Elective | 3 | |
| Free Elective | 3 | | Pathways Concept 1A: Discourse- Advanced | 3 | |
| Pathways Concept 2: Critical Thinking in the Humanities | 3 | | Pathways Concept 2: Critical Thinking in the Humanities | 3 | |
| MATH 1026: (Pathways Concept 5F: Quantitative and Computational Thinking–Foundational): Elementary Calculus | 3 | | Pathways Concept 3: Reasoning in the Social Sciences | 3 | |
| TOTAL | 16 | | TOTAL | 16 | |
| Fall Semester Junior 2026 | | Credits | Spring Semester Junior 2027 | | Credits |
| NEUR 3044: Cellular and Molecular Neuroscience | 3 | | NEUR 3084: Cognitive Neuroscience | 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 | | **NEUR 3554: Neuroscience Research and Practical Experience | 3 | |
| STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics | 3 | | STAT 3616: Biostatistics | 3 | |
| Pathways Concept 6D: Critique and Practice in Design and the Arts (Design) | 3 | | Pathways Concept 3: Reasoning in the Social Sciences | 3 | |
| TOTAL | 16 | | TOTAL | 16 | |
| Fall Semester Senior 2027 | | Credits | Spring Semester Senior 2028 | | Credits |
| Pathways Concept 7: Critical Analysis of Identity and Equity in the US | 3 | | NEUR 4044: Neuroscience Senior Seminar | 3 | |
| RESTRICTED ELECTIVE | 3 | | RESTRICTED ELECTIVE | 3 | |
| RESTRICTED ELECTIVE | 3 | | RESTRICTED ELECTIVE | 3 | |
| Free Elective | 3 | | Free Elective | 3 | |
| TOTAL | 12 | | TOTAL | 12 | |

SAMPLE Academic Plan for students graduating calendar year 2028
Minimum of 120 credit hours needed for graduation

*Fall only course

**Spring only course