

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 1014: Calculations in Chemistry	3		CHEM 1035: General Chemistry	3	
MATH 1214: Preparation for Calculus	3		CHEM 1045: General Chemistry Lab	1	
NEUR 1004: Neuroscience Orientation Seminar	2		MATH 1025: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3	
ENGL 1105: (Pathways Concept 1F Discourse-Foundational): First Year Writing	3		ENGL 1106: (Pathways Concept 1F Discourse-Foundational): First Year Writing	3	
			PSYC 1004: Introductory Psychology	3	
TOTAL	15		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	
Free Elective	3		Free Elective	3	
CHEM 1036: General Chemistry	3		**CHEM 1046: General Chemistry Lab	1	
Pathways Concept 2: Critical Thinking in the Humanities	3		Pathways Concept 1A: Discourse- Advanced	3	
MATH 1026: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3		Pathways Concept 2: Critical Thinking in the Humanities	3	
TOTAL	16		TOTAL	14	
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 6A: Critique and Practice in Design and the Arts (Arts)	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 6D: Critique and Practice in Design and the Arts (Design)	3		NEUR 4044: Neuroscience Senior Seminar	3	
RESTRICTED ELECTIVE	3		RESTRICTED ELECTIVE	3	
Pathways Concept 7: Critical Analysis of Identity and Equity in the US	3		Pathways Concept 3: Pathways Reasoning in the Social Sciences	3	
RESTRICTED ELECTIVE	3		RESTRICTED ELECTIVE	3	
Free Elective	3				
TOTAL	15		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