

College of Science
Bachelor of Science in Neuroscience
For Student Date of Entry Under UG Catalog 2025-2026
Major in Clinical Neuroscience

Fall Semester Freshman 2025		Credits	Spring Semester Freshman 2026		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
ENGL 1105: (Pathways Concept 1F: Discourse-Foundational): First Year Writing		3	CHEM 1045: General Chemistry Lab		1
MATH 1214: Preparation for Calculus		3	ENGL 1106: (Pathways Concept 1F: Discourse-Foundational): First Year Writing		3
*NEUR 1004: Neuroscience Orientation Seminar		1	MATH 1025: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus		3
			Pathways Concept 2: Critical Thinking in the Humanities		3
TOTAL		14	TOTAL		17
Fall Semester Sophomore 2026		Credits	Spring Semester Sophomore 2027		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
PSYC 1004: (Pathways Concept 3: Reasoning in the Social Sciences): Introductory Psychology		3	Pathways Concept 2: Critical Thinking in the Humanities		3
CHEM 1036: General Chemistry		3	CHEM 2535: Organic Chemistry		3
Free Elective		3	**CHEM 1046: General Chemistry Lab		1
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		14
Fall Semester Junior 2027		Credits	Spring Semester Junior 2028		Credits
NEUR 3044: Cellular and Molecular Neuroscience		4	**CHEM 2546: Organic Chemistry Lab		1
Pathways Concept 1A: Discourse - Advanced		3	NEUR 3084: Cognitive Neuroscience		3
Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts)		3	Restricted Elective		3
CHEM 2536: Organic Chemistry		3	PHYS 2205: General Physics		3
*CHEM 2545: Organic Chemistry Lab		1	PHYS 2215: General Physics Lab		1
STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics		3	STAT 3616: Biostatistics		3
TOTAL		17	TOTAL		14
Fall Semester Senior 2028		Credits	Spring Semester Senior 2029		Credits
NEUR 3604: Neurobiochemistry		3	NEUR 4044: Neuroscience Senior Seminar		3
PHYS 2206: General Physics		3	Pathways Concept 6D: Critique and Practice in Design and the Arts (Design)		3
PHYS 2216: General Physics Lab		1	Pathways Concept 7: Critical Analysis of Identity and Equity in the US		3
NEUR 3594: Neurobiology of Psychiatric Disorders		3	NEUR 3914: Neuroscience of Drug Addiction		3
NEUR 4034: Diseases of the Nervous System		3	NEUR 3704: Human Anatomy & Physiology with Neuroendocrine Focus		4
TOTAL		13	TOTAL		16

SAMPLE Academic Plan for students graduating calendar year 2029
Minimum of 120 credit hours needed for graduation

*Fall only course
**Spring only course