College of Science

Bachelor of Science in Neuroscience

For Student Date of Entry Under UG Catalog 2024-2025

Major in **Clinical 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	**Free Elective**	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
MATH 1026: (Pathways Concept 5F: Quantitative and Computational Thinking – Foundational): Elementary Calculus	3	**Pathways Concept 2: Critical Thinking in the Humanities**	3
CHEM 2535: Organic Chemistry	3	**CHEM 2536:** Organic Chemistry	3
***CHEM 2545:** Organic Chemistry Lab	1	****CHEM 2546:** Organic Chemistry Lab	1
PSYC 1004: Introductory Psychology	3	**Pathways Concept 3: Reasoning in the Social Sciences**	3
TOTAL	14	**TOTAL**	14

Fall Semester Junior 2026	Credits	Spring Semester Junior 2027	Credits
NEUR 3044: Cellular and Molecular Neuroscience	3	**NEUR 4034:** Diseases of the Nervous System	3
PHYS 2205: General Physics	3	**NEUR 3084:** Cognitive Neuroscience	3
PHYS 2215: General Physics Lab	1	**PHYS 2206:** General Physics	3
Pathways Concept 1A: Discourse- Advanced	3	**PHYS 2216:** General Physics Lab	1
RESTRICTED ELECTIVE (Recommended: BCHM 3114)	3	**Pathways Concept 3: Reasoning in the Social Sciences**	3
STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics	3	**STAT 3616:** Biostatistics	3
TOTAL	16	**TOTAL**	16

Fall Semester Senior 2027	Credits	Spring Semester Senior 2028	Credits
Pathways Concept 2: Critical Thinking in the Humanities	3	**NEUR 4044:** Neuroscience Senior Seminar	3
RESTRICTED ELECTIVE	3	**Pathways Concept 6D: Critique and Practice in Design and the Arts (Design)**	3
RESTRICTED ELECTIVE	3	**Pathways Concept 7: Critical Analysis of Identity and Equity in the US**	3
Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts)	3	**Free 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