College of Science

Bachelor of Science in Neuroscience

For Student Date of Entry Under UG Catalog 2023-2024

Major in **Cognitive and Behavioral 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	****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
PSYC 1004: Introductory Psychology	3	**MATH1025:** (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3
MATH 1214: Preparation for Calculus	3	**Free Elective**	3
***NEUR 1004:** Neuroscience Orientation Seminar	2	**PSYC2044**: (Pathways Concept 3: Reasoning in the Social Sciences): Psychology of Learning	3
CHEM 1014: Calculations in Chemistry	3	**ENGL 1105:** (Pathways Concept 1F Discourse-Foundational): First Year Writing	3
TOTAL	15	**TOTAL**	16
Fall Semester Sophomore 2024	**Credits**	**Spring Semester Sophomore 2025**	**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
CHEM 1035: General Chemistry	3	**Pathways Concept 2: Critical Thinking in the Humanities**	3
ENGL 1106: (Pathways Concept 1F Discourse-Foundational): First Year Writing	3	**CHEM 1036**: General Chemistry	3
Pathways Concept 2: Critical Thinking in the Humanities	3	**Pathways Concept 3: Reasoning in the Social Sciences**	3
MATH1026: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational)**:** Elementary Calculus	3	**Pathways Concept 1A: Discourse- Advanced**	3
TOTAL	16	**TOTAL**	16
Fall Semester Junior 2025	**Credits**	**Spring Semester Junior 2026**	**Credits**
NEUR 3084: Cognitive Neuroscience	3	**RESTRICTED ELECTIVE**	3
Free Elective	3	**RESTRICTED ELECTIVE**	3
RESTRICTED ELECTIVE	3	**Pathways Concept 6D: Critique and Practice in Design in the Arts (Design)**	3
Pathways Concept 6A: Critique and Practice in Design in the Arts (Arts)	3	**Free Elective**	3
STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics	3	**STAT 3616:** Biostatistics	3
TOTAL	15	**TOTAL**	15
Fall Semester Senior 2026	**Credits**	**Spring Semester Senior 2027**	**Credits**
NEUR 3144: Mechanisms of Learning and Memory	3	**NEUR 4044:** Neuroscience Senior Seminar	3
Free Elective	3	**RESTRICTED ELECTIVE**	3
PHYS 2205: General Physics	3	**PHYS 2206:** General Physics	3
RESTRICTED ELECTIVE	3	**RESTRICTED ELECTIVE**	3
Pathways Concept 7: Critical Analysis of Identity and Equity in the US	3		
TOTAL	15	**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