College of Science

Bachelor of Science in Neuroscience

For Student Date of Entry Under UG Catalog 2022-2023

Major in **Experimental Neuroscience**

	Fall Semester Freshman 2022	**Credits**			**Spring Semester Freshman 2023**	**Credits**
	BIOL 1105: (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology	3			**NEUR 2025**: Introduction to Neuroscience	3
	BIOL 1115: Principles of Biology Lab	1			**NEUR 2035**: Introduction to Neuroscience Lab	1
	CHEM 1035: General Chemistry	3			**CHEM 1036:** General Chemistry	3
	CHEM 1045: General Chemistry Lab	1			**CHEM 1046:** General Chemistry Lab	1
	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			**ENGL 1106:** (Pathways Concept 1F Discourse-Foundational): First Year Writing	3
	ENGL 1105: (Pathways Concept 1F Discourse-Foundational): First Year Writing	3			**PSYC 1004:** Introductory Psychology	3
	TOTAL	16			**TOTAL**	17
	Fall Semester Sophomore 2023	**Credits**			**Spring Semester Sophomore 2024**	**Credits**
	NEUR 2026: Introduction to Neuroscience	3			**BIOL 1106:** (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology	3
	NEUR 2036: Introduction to Neuroscience Lab	1			**BIOL 1116:** Principles of Biology Lab	1
	NEUR 2554: Experimental Neuroscience	3			**NEUR 3554:** Neuroscience Research and Practical Experience	3
	Free Elective	3			**Pathways Concept 1A: Discourse- Advanced**	3
	Pathways Concept 2: Pathways Critical Thinking in the Humanities	3			**Pathways Concept 2: Pathways Critical Thinking in the Humanities**	3
	MATH 1026: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational)**:** Elementary Calculus	3			**Pathways Concept 3: Pathways Reasoning in the Social Sciences**	3
	TOTAL	16			**TOTAL**	16
	Fall Semester Junior 2024	**Credits**			**Spring Semester Junior 2025**	**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 4B	3			**RESTRICTED ELECTIVE 4A** **Choose one: NEUR 3144, 4034, 4514 or 4914**	3
	Pathways Concept 6D: Critique and Practice in Design and the Arts (Design)	3			**STAT 3616:** Biostatistics	3
	STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics	3			**Pathways Concept 3: Reasoning in the Social Sciences**	3
	TOTAL	16			**TOTAL**	16
	Fall Semester Senior 2025	**Credits**			**Spring Semester Senior 2026**	**Credits**
	Pathways Concept 7: Critical Analysis of Identity and Equity in the US	3			**NEUR 4044:** Neuroscience Senior Seminar	3
	RESTRICTED ELECTIVE 4A **Choose one: NEUR 3144, 4034 or 4314**	3			**RESTRICTED ELECTIVE 4B**	3
	Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts)	3			**Free Elective**	3
	Free Elective	3			**Free Elective**	3
	TOTAL	12			**TOTAL**	12

SAMPLE Academic Plan for students graduating calendar year 2026

Minimum of 120 credit hours needed for graduation