

College of Science  
Bachelor of Science in Neuroscience  
**For Student Date of Entry Under UG Catalog 2023-2024**  
**Major in Experimental 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	NEUR 2025: Introduction to Neuroscience		3
*BIOL 1115: Principles of Biology Lab		1	NEUR 2035: Introduction to Neuroscience 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	MATH1025: (Pathways Concept5F: 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
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>17</b>
Fall Semester Sophomore 2024		Credits	Spring Semester Sophomore 2025		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 3084: Cognitive Neuroscience		3
CHEM 1036: General Chemistry		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
MATH1026: (Pathways Concept5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus		3	**CHEM 1046: General Chemistry Lab		1
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>14</b>
Fall Semester Junior 2025		Credits	Spring Semester Junior 2026		Credits
NEUR 3044: Cellular and Molecular Neuroscience		3	**NEUR 3554: Neuroscience Research and Practical Experience		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	RESTRICTED ELECTIVE		3
Pathways Concept6D: 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
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>16</b>
Fall Semester Senior 2026		Credits	Spring Semester Senior 2027		Credits
Pathways Concept7: Critical Analysis of Identity and Equity in the US		3	NEUR 4044: Neuroscience Senior Seminar		3
RESTRICTED ELECTIVE		3	RESTRICTED ELECTIVE		3
Pathways Concept6A: Critique and Practice in Design and the Arts (Arts)		3	Pathways Concept3: Pathways Reasoning in the Social Sciences		3
Free Elective		3	Free Elective		3
Free Elective		3			
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>12</b>

SAMPLE Academic Plan for students graduating calendar year 2027  
Minimum of 120 credit hours needed for graduation

\*Fall only course    \*\*Spring only course