

**College of Science**  
 Bachelor of Science in Neuroscience  
**For Student Date of Entry Under UG Catalog 2024-2025**  
**Major in Clinical Neuroscience**

<b>Fall Semester Freshman 2024</b>		<b>Credits</b>	<b>Spring Semester Freshman 2025</b>		<b>Credits</b>
*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 1025: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3		MATH 1026: (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3	
NEUR 1004: Neuroscience Orientation Seminar	2		Free Elective	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>17</b>	
<b>Fall Semester Sophomore 2025</b>		<b>Credits</b>	<b>Spring Semester Sophomore 2026</b>		<b>Credits</b>
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	
Pathways Concept 3: Reasoning in the Social Sciences	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	
<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>14</b>	
<b>Fall Semester Junior 2026</b>		<b>Credits</b>	<b>Spring Semester Junior 2027</b>		<b>Credits</b>
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	
RESTRICTED ELECTIVE (Recommended: BCHM 3114)	3		PHYS 2216: General Physics Lab	1	
Free Elective	3		Free Elective	3	
STAT 3615: (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics	3		STAT 3616: Biostatistics	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>16</b>	
<b>Fall Semester Senior 2027</b>		<b>Credits</b>	<b>Spring Semester Senior 2028</b>		<b>Credits</b>
Pathways Concept 1A: Discourse - Advanced	3		NEUR 4044: Neuroscience Senior Seminar	3	
Pathways Concept 2: Critical Thinking in the Humanities	3		Pathways Concept 6D: Critique and Practice in Design and the Arts (Design)	3	
Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts)	3		Pathways Concept 7: Critical Analysis of Identity and Equity in the US	3	
RESTRICTED ELECTIVE	3		RESTRICTED 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 2028  
 Minimum of 120 credit hours needed for graduation

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