

**College of Science**  
 Bachelor of Science in Neuroscience  
**For Students Graduating in 2022 and for Student Date of Entry Under UG Catalog 2020-2021**  
 Major in Experimental Neuroscience

<b>Fall Semester Freshman 2018</b>		<b>Credits</b>	<b>Spring Semester Freshman 2019</b>		<b>Credits</b>
<b>BIOL 1105:</b> (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology	3		<b>NEUR 2025:</b> Introduction to Neuroscience	3	
<b>BIOL 1115:</b> Principles of Biology Lab	1		<b>NEUR 2035:</b> Introduction to Neuroscience Lab	1	
<b>CHEM 1035:</b> General Chemistry	3		<b>CHEM 1036:</b> General Chemistry	3	
<b>CHEM 1045:</b> General Chemistry Lab	1		<b>CHEM 1046:</b> General Chemistry Lab	1	
<b>MATH 1025</b> (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3		<b>MATH 1026:</b> (Pathways Concept 5F: Quantitative and Computational Thinking –Foundational): Elementary Calculus	3	
<b>NEUR 1004:</b> Neuroscience Orientation Seminar	1		<b>ENGL 1106:</b> (Pathways Concept 1F Discourse-Foundational): First Year Writing	3	
<b>ENGL 1105:</b> (Pathways Concept 1F Discourse-Foundational): First Year Writing	3		<b>PSYC 1004:</b> Introductory Psychology	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>17</b>	
<b>Fall Semester Sophomore 2019</b>		<b>Credits</b>	<b>Spring Semester Sophomore 2020</b>		<b>Credits</b>
<b>NEUR 2026:</b> Introduction to Neuroscience	3		<b>BIOL 1106:</b> (Pathways Concept 4: Reasoning in the Natural Sciences): Principles of Biology	3	
<b>NEUR 2036:</b> Introduction to Neuroscience Lab	1		<b>BIOL 1116:</b> Principles of Biology Lab	1	
<b>NEUR 2554:</b> Experimental Neuroscience	3		<b>NEUR 3554:</b> Neuroscience Research and Practical Experience	3	
<b>STAT 3615:</b> (Pathways Concept 5A: Quantitative and Computational Thinking –Advanced): Biostatistics	3		<b>STAT 3616:</b> Biostatistics	3	
<b>Pathways Concept 2: Pathways Critical Thinking in the Humanities</b>	3		<b>Pathways Concept 2: Pathways Critical Thinking in the Humanities</b>	3	
<b>Pathways Concept 3: Reasoning in the Social Sciences</b>	3		<b>Pathways Concept 3: Pathways Reasoning in the Social Sciences</b>	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>16</b>	
<b>Fall Semester Junior 2020</b>		<b>Credits</b>	<b>Spring Semester Junior 2021</b>		<b>Credits</b>
<b>NEUR 3044:</b> Cellular and Molecular Neuroscience	3		<b>NEUR 3084:</b> Cognitive Neuroscience	3	
<b>PHYS 2205:</b> General Physics	3		<b>PHYS 2206:</b> General Physics	3	
<b>PHYS 2215:</b> General Physics Lab	1		<b>PHYS 2216:</b> General Physics Lab	1	
<b>RESTRICTED ELECTIVE 4A</b> Choose one: <b>NEUR 3144, 4314, or 4514</b>	3		<b>RESTRICTED ELECTIVE 4A</b> Choose one: <b>NEUR 3144, 4314, or 4514</b>	3	
<b>Pathways Concept 6D: Critique and Practice in Design and the Arts (Design)</b>	3		<b>Pathways Concept 1A: Discourse- Advanced</b>	3	
<b>Free Elective</b>	3		<b>Free Elective</b>	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>16</b>	
<b>Fall Semester Senior 2021</b>		<b>Credits</b>	<b>Spring Semester Senior 2022</b>		<b>Credits</b>
<b>Pathways Concept 7: Critical Analysis of Identity and Equity in the US</b>	3		<b>NEUR 4044:</b> Neuroscience Senior Seminar	3	
<b>RESTRICTED ELECTIVE 4B General</b>	3		<b>RESTRICTED ELECTIVE 4B General</b>	3	
<b>Pathways Concept 6A: Critique and Practice in Design and the Arts (Arts)</b>	3		<b>Free Elective</b>	3	
<b>Free Elective</b>	3		<b>Free Elective</b>	3	
<b>Free Elective</b>	3		<b>Free Elective</b>	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>	

SAMPLE Academic Plan for students graduating calendar year 2022  
 Total of 120 credit hours needed for graduation