

College of Science
Bachelor of Science in Neuroscience
For Students Graduating in 2021
Major in Experimental Neuroscience-Option B-Pathways

Fall Semester Freshman 2017		Credits	Spring Semester Freshman 2018		Credits
BIOL 1105 (Pathways Reasoning in the Natural Sciences): Principles of Biology		3	BIOL 1106 (Pathways Reasoning in the Natural Sciences): Principles of Biology		3
BIOL 1115 : Principles of Biology Lab		1	BIOL 1116 : Principles of Biology Lab		1
MATH 1025 (Pathways Quantitative and Computational Thinking- Foundational): Elementary Calculus		3	MATH 1026 (Pathways Quantitative and Computational Thinking- Foundational): Elementary Calculus		3
NEUR 1004 : Neuroscience Orientation Seminar		1	ENGL 1106 (Pathways Discourse- Foundational): First Year Writing		3
ENGL 1105 (Pathways Discourse- Foundational): First Year Writing		3	Pathways Reasoning in the Social Sciences		3
PSYC 1004 : Introductory Psychology		3	Pathways Advanced/Applied Discourse		3
TOTAL		14	TOTAL		16
Fall Semester Sophomore 2018		Credits	Spring Semester Sophomore 2019		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
STAT 3615 (Pathways Quantitative and Computational Thinking- Advanced): Biological Statistics		3	STAT 3616 : Biological Statistics		3
CHEM 1035 : General Chemistry		3	CHEM 1036 : General Chemistry		3
CHEM 1045 : General Chemistry Lab		1	CHEM 1046 : General Chemistry Lab		1
Pathways Critical Thinking in the Humanities		3	Pathways Critical Thinking in the Humanities		3
TOTAL		14	TOTAL		14*
Fall Semester Junior 2019		Credits	Spring Semester Junior 2020		Credits
NEUR 2554 : Experimental 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
NEUR 3144 : Mechanisms of Learning and Memory		3	Choose one: NEUR 3084 Cognitive Neuroscience or NEUR 3044 Cellular and Molecular Neuroscience		3
RESTRICTED ELECTIVE (Choose one: NEUR 3914, 4314, 4514, 4544)		3	RESTRICTED ELECTIVE (Choose another: NEUR 3914, 4314, 4514, 4544)		3
Free Elective		3	Pathways Reasoning in the Social Sciences		3
TOTAL		16	TOTAL		16
Fall Semester Senior 2020		Credits	Spring Semester Senior 2021		Credits
RESTRICTED ELECTIVE (Choose another: NEUR 3914, 4314, 4514, 4544)		3	RESTRICTED ELECTIVE		3
Pathways Critique and Practice in Design and Arts-Design		3	NEUR 4044 : Neuroscience Senior Seminar		3
Pathways Critique and Practice in Design and Arts-Arts		3	Pathways Critical Analysis of Identity and Equity in the US		3
Free Elective		3	Free Elective		3
Free Elective		3	Free Elective		3
TOTAL		15	TOTAL		15

SAMPLE Academic Plan for students graduating calendar year 2021

Total of 120 credit hours needed for graduation

*Check with Financial Aid Office to ensure that you are not on financial aid requiring 30+ credits per year.