

Bachelor of Science, Biology: Neuroscience Concentration, 2024-2025

Bachelor of Science, Psychology: Neuroscience concentration, 2024-2025

Important note: this degree requires students to complete degrees in both Psychology and Biology, both with a neuroscience concentration. Students & advisors should consult the University Catalog for the requirements of each program.

Course No.	Description	Cr.
First Year		
Fall		
PSYC 101	Intro to Psychology	3
BIOL 110	Intro: Evol/Ecol/Pl.Bio	4
CHEM 121	Chemistry Principles I	4
FTAE 105	Franciscan Goals for Today	3
WRIT 102	Research Writing	3
BIOL 131	Biology First Year Seminar	0
CORE 103	Fall Comm. Enrich. Series	0

Total Credits 17

Second Year		
Fall		
BIOL 406	Vertebrate Physiology	4
PSYC	PSYC 204, 205, 206, or 209	3
CHEM 221	Organic Chemistry I	4
PHIL	105 or 315	3
LIT	104, 201, 202, 204, 222, or 270	3

Total Credits 17

Third Year		
Fall		
QR/PSYC 311	Research Meth. & Statistics I	3
BIOL 405	Biochemistry I	4
PHYS 104	Intro to Physics I or	
or 121	Gen. Physics I	4
CORE II	Core II Elective	3
Fine Arts	FNAR, ART, MUS, or THTR elective	3

Total Credits 17

Fourth Year		
Fall		
BIOL xxx	Neurobiology Elective(s)	4
PSYC	PSYC 302 or 404	3
PSYC	PSYC 407 as CORE III***;	3
BIOL 383	Research Methods as Applied Learning	2
ETHICS	Ethics Elective	3

Total Credits 15

Total Credits: 128

****Sequence of courses may be altered with consent of advisor. PSYC 407 serves as CORE III only. PSYC 398/399 or 487 serve as Applied Learning also. All Psychology Capstone options are Exam 401.**

Course No.	Description	Cr.
First Year		
Spring		
BIOL 111	Molec/Cell/Anim.Phys.	4
CHEM 122	Chemistry Principles II	4
MATH 112	Calculus	3
or 121	or Calculus/Geom I	
PSYC	PSYC 204, 205, 206, or 209	3
CORE I	Building the Foundation	3
CORE 104	Spring Comm. Enrich. Series	0

Total Credits 17

Second Year		
Spring		
BIOL 211	Comparative Anatomy	4
LANGCUL	PSYC 322 or 323*	3
CHEM 222	Organic Chemistry II	4
PSYC 303	Learning	3
BIOL 231	Soph. Seminar	0

Total Credits 14

Third Year		
Spring		
PSYC 312	Research Meth. & Statistics II	3
BIOL 301	Genetics	4
PHYS 105	Intro to Physics II	
or 122	or Gen. Physics II	4
PSYC 314	Biopsychology	3
NEUR 279	Introduction to Neuroscience	3

Total Credits 17

Fourth Year		
Spring		
HIST xxx	History Elective 100-200 level	3
PSYC 317	Memory and Cognition	3
BIOL 402	Evolution	3
NEUR 450	Neuroscience Seminar	1
BIOL 401	Cell & Molecular Biol	4
EXAM 401	Biol. Dept. Exam	0

Total Credits 14

Neurobiology Elective Courses

4 credits of the following:

BIOL 208 Animal Behavior (FA; 4 cr)

BIOL 212 Developmental Biology (AN; 4 cr)

BIOL 305 Immunology (FA; 3 cr)

BIOL 430 Advanced Lab Methods (AN; 2 cr)

BIOL 194/294/394/494 Biological Research

Notes:

Consider undergraduate research

Job Shadow during summer

If pursuing graduate school, prepare for
graduate school entrance exams during
summer after junior year.

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