Bachelor of Science, Biology: Neuroscience Concentration, 2024-2025 Catalog
Bachelor of Science, Psychology: Neuroscience concentration, 2024-2025 Catalog

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 (soc sci i)	3
□ BIOL 110	Intro: Evol/Ecol/Pl.Bio	4
□ CHEM 121	Chemistry Principles I	4
□ FTAE 105	Intro to Franciscan Theology	3
□ WRIT 102	Research Writing	3
□ BIOL 131	Biology First Year Seminar	0
□ CORE 103	Fall Comm. Enrich. Series	0
Total Credits		**17**

Course No.	Description	Cr.
First Year	**Spring**	
□ BIOL 111	Molec/Cell/Anim.Phys. #NS	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 a Foundation	3
□ CORE 104	Spring 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/…	Philosophy	3
□ LIT xxx	Literature	3
Total Credits		**17**

Second Year	**Spring**	
□ BIOL 211	Comparative Anatomy	4
□ PSYC	PSYC 322 or 323	3
□ CHEM 222	Organic Chemistry II	4
□ NEUR 279	Introduction to Neuroscience	3
□ FNAR/ART	Fine Arts and Creative Expression	3
□ BIOL 231	Biology Sophomore Seminar	0
Total Credits		**17**

Third Year	**Fall**	
□ PSYC 311	Research Meth. & Stats I #QR	3
□ BIOL 405	Biochemistry I	4
□ PHYS 104	Intro to Physics I or	
or 121	Gen. Physics I	4
□ CORE II	Civic Responsibility & Citizenship	3
□ HIST xxx	History	3
Total Credits		**17**

Third Year	**Spring**	
□ PSYC 312	Research Meth. & Statistics II	3
□ BIOL 383	Biol. Research Methods Sem.	2
□ PHYS 105	Intro to Physics II	
or 122	or Gen. Physics II	4
□ PSYC 314	Biopsychology	3
□ PSYC 303	Learning	3
Total Credits		**15**

Fourth Year	**Fall**	
□ BIOL xxx	Neurobiology Elective(s)	4
□ PSYC	PSYC 302 or 404	3
□ PSYC	Psychology capstone; 398/399, 407 or 487	3
□ ---- xxx	Language and Cultures	3
□ FTAE/PHIL	Ethics	3
Total Credits		**16**

Fourth Year	**Spring**	
□ BIOL 301	Genetics	4
□ PSYC 317	Memory and Cognition	3
□ BIOL 402	Evolution	3
□ CORE III	Junior/Senior Capstone	3
□ NEUR 450	Neuroscience Seminar	1
□ BIOL 401	Cell & Molecular Biol	4
□ EXAM 401	Dept. Comp. Exam	0
Total Credits		**18**

134 *Total Required Credits*

****Sequence of courses may be altered with consent of advisor.*

Neurobiology Elective Courses

F = Fall; S = Spring; Su = Summer; AN = As Needed

4 credits of the following:

BIOL 208 Animal Behavior (F; 4 cr)
BIOL 212 Developmental Biology (AN; 4 cr)
BIOL 305 Immunology (F; 3 cr)
BIOL 430 Advanced Lab Methods (AN; 2 cr)
BIOL 194/294/394/494 Biological Research

Notes:
Suggestions:

Consider undergraduate research
Job Shadow during summer
If pursuing graduate school, prepare for graduate school entrance exams during summer after junior year.

Updated: 5/2024