

4-Year Academic Plan: Bachelor of Science in Neuroscience

YEAR 1

FALL COURSES	CREDITS	MILESTONES
CH 111 Intro to Chem Principles	4	Preparation for CH 221
MATH 111 College Algebra	4	
WR 121 College Composition I	4	
Core education course	4	Arts & Letters or Social Science
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
CH 221 General Chemistry I	4	
CH 227 General Chemistry Lab	2	One year of either chemistry lab or physics lab is required
MATH 112 Elementary Functions	4	
WR 123 College Composition III	4	Recommended instead of WR 122
TOTAL	14	

SPRING COURSES	CREDITS	MILESTONES
CH 222 General Chemistry II	4	
CH 228 General Chemistry Lab	2	
MATH 246 Calculus for Bio Sciences	4	Recommended instead of MATH 251
PSY 201 Mind & Brain	4	
Elective course	1	
TOTAL	15	

YEAR 2

FALL COURSES	CREDITS	MILESTONES
BI 211 General Biology I: Cells	4	
CH 223 General Chemistry III	4	
CH 229 General Chemistry Lab	2	
HPHY 211 Medical Terminology	3	
TOTAL	15	

WINTER COURSES	CREDITS	MILESTONES
BI 212 General Biology II: Organisms	4	
HPHY 212 Scientific Invest. In Phys.	4	
Core education course	4	Arts & Letters or Social Science
Core education course	4	Arts & Letters or Social Science
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 214 General Biology IV: Populations	4	
PSY 302 Statistical Methods in Psych.	4	
Core education course	4	Arts & Letters or Social Science
Elective or Cultural Literacy course	4	
TOTAL	16	

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YEAR 3

FALL COURSES	CREDITS	MILESTONES
HPHY 321 Human Anatomy I	5	First term of neuroscience core sequence
HPHY 322 Human Anatomy II	5	
PHYS 201 General Physics I	4	One year of either chemistry or physics lab is required
BI 401, HPHY 401, or PSY 401 Research	2	Eight credits of research or advanced skills courses are required
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
PSY 304 Biopsychology	4	Second term of neuroscience core sequence
PHYS 202 General Physics II	4	
Core education course	4	Arts & Letters or Social Science
BI 401, HPHY 401, or PSY 401 Research	2	
Elective course	1	
TOTAL	15	

SPRING COURSES	CREDITS	MILESTONES
BI 360 Neurobiology	4	Third term of neuroscience core sequence
PHYS 203 General Physics III	4	
Core education course	4	Arts & Letters or Social Science
BI 401, HPHY 401, or PSY 401 Research	2	If not involved in research, take an advanced skills course
TOTAL	14	

YEAR 4

FALL COURSES	CREDITS	MILESTONES
Upper-division NEURO elective	4	Example: HPHY 333 Motor Control or other Systems course
Upper-division NEURO elective	4	Example: BI 322 Cell Biology or other Mol/Cell/Devo course
Core education course	4	Arts & Letters or Social Science
BI 401, HPHY 401, or PSY 401 Research	2	Consider BI 403, HPHY 403, or PSY 403 Thesis; or advanced skills course
TOTAL	14	

WINTER COURSES	CREDITS	MILESTONES
Upper-division NEURO elective	4	Example: BI 410 Neural Basis of Cognition or other Cognitive course
Upper-division NEURO elective	4	Example: BI 427 Molecular Genetics of Human disease
Core education course	4	Arts & Letters or Social Science
Elective or Cultural Literacy course	4	
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
Upper-division NEURO elective	4	Example: PSY 433 Learning & Memory (PSY 303 pre-requisite waived for NEURO majors) or other 400-level NEURO elective
Elective courses	9	
TOTAL	13	