

## 4-Year Academic Plan: Bachelor of Arts in Neuroscience

### YEAR 1

FALL COURSES	CREDITS	MILESTONES
CH 111 Intro to Chem Principles	4	
MATH 111Z Precalculus I: Functions	4	
WR 121Z College Composition I	4	
Language 101	4	First term of first-year second-language sequence
<b>TOTAL</b>	<b>16</b>	

WINTER COURSES	CREDITS	MILESTONES
CH 221Z General Chemistry I	4	
CH 227Z & CH 217 General Chemistry Lab and Chemistry Tools	2	One year of either chemistry lab or physics lab is required
MATH 112Z Precalculus II: Trigonometry	4	
WR 123 College Composition III	4	Recommended instead of WR 122
Language 102	4	Second term of first-year second-language sequence
<b>TOTAL</b>	<b>18</b>	

SPRING COURSES	CREDITS	MILESTONES
CH 222Z General Chemistry II	4	
CH 228Z & CH 218 General Chemistry Lab and Chemistry Tools	2	
MATH 246 Calculus for Bio Sciences	4	Recommended instead of MATH 251
Language 103	4	Third term of first-year second-language sequence
<b>TOTAL</b>	<b>14</b>	

### YEAR 2

FALL COURSES	CREDITS	MILESTONES
BI 221Z Principles of Biology I: Cells	4	
CH 223Z General Chemistry III	4	
CH 229Z & CH 219 General Chemistry Lab and Chemistry Tools	2	
HPHY 211 Medical Terminology	3	
Language 201	4	First term of second-year second-language sequence
<b>TOTAL</b>	<b>17</b>	

WINTER COURSES	CREDITS	MILESTONES
BI 222Z Principles of Biology II: Organisms	4	
HPHY 212 Scientific Invest. In Phys.	4	
PSY 201Z Mind & Brain	4	
Language 202	4	Second term of second-year second-language sequence
<b>TOTAL</b>	<b>16</b>	

SPRING COURSES	CREDITS	MILESTONES
BI 214 General Biology IV: Biochemistry & Genetics	4	
PSY 302 Statistical Methods in Psych.	4	
Core education course	4	Arts & Letters or Social Science
Language 203	4	Third term of second-year second-language sequence
<b>TOTAL</b>	<b>16</b>	

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### YEAR 3

FALL COURSES	CREDITS	MILESTONES
PSY 304 Biopsychology	4	Neuroscience core course
PHYS 201 General Physics I	4	One year of either chemistry or physics lab is required
Core education course	4	Arts & Letters or Social Science
BI 401, HPHY 401, or PSY 401 Research	2	Eight credits of research or advanced skills courses are required
<b>TOTAL</b>	<b>14</b>	

WINTER COURSES	CREDITS	MILESTONES
HPHY 410 Neuroanatomy	5	Neuroscience core course
PHYS 202 General Physics II	4	
Cultural literacy course	4	Global Perspectives or US: DIA
BI 401, HPHY 401, or PSY 401 Research	2	
<b>TOTAL</b>	<b>14</b>	

SPRING COURSES	CREDITS	MILESTONES
BI 360 Neurobiology	4	Neuroscience core course
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
<b>TOTAL</b>	<b>14</b>	

### YEAR 4

FALL COURSES	CREDITS	MILESTONES
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
Cultural Literacy course	4	Global Perspectives or US: DIA
BI 401, HPHY 401, or PSY 401 Research	2	Consider BI 403, HPHY 403, or PSY 403 Thesis; or advanced skills course
<b>TOTAL</b>	<b>14</b>	

WINTER COURSES	CREDITS	MILESTONES
Upper-division NEURO elective	4	Example: HPHY 436 Clinical Neuroscience or other Systems course
Upper-division NEURO elective	4	Example: BI 461 Systems Neuroscience Four NEUR elective courses are required, at least three at the 400-level
Core education course	4	Arts & Letters or Social Science
Core education course	4	Arts & Letters or Social Science
<b>TOTAL</b>	<b>16</b>	

SPRING COURSES	CREDITS	MILESTONES
Upper-division NEURO elective	4	Example: PSY 438 Perception (PSY 303 pre-requisite waived for NEURO majors)
Core education course	4	Arts & Letters or Social Science
Elective course	4	Can include additional NEUR coursework or remaining Core Ed course
<b>TOTAL</b>	<b>12</b>	