

# NSC Major Related Courses

(15 hours required)

BIOL 3301 Classic & Molecular Genetics  
 BIOL 3302 Eukaryotic Molecular and Cell Biology  
 BIOL 3361 Biochemistry I  
 BIOL 3362 Biochemistry II  
 BIOL 3455 Human Anatomy & Physiology w/lab  
 BIOL 3456 Human Anatomy & Physiology II w/lab  
 CGS 4312 Computational Models of Language Understanding  
 NSC 4355 Advanced Neuroscience Laboratory  
 NSC 4356 Neurophysiology  
 NSC 4357 Brain and Memory  
 NSC 4358 Neuroscience of Sensation and Perception  
 NSC 4368 Computational Neuroscience  
 NSC 4370 Neuroendocrinology  
 NSC 4372 Neuroimmunology  
 NSC 4373 Sensory Neurophysiology  
 NSC 4374 Neural Plasticity in Neuropathologies  
 NSC 4375 Senior Honors Seminar  
 NSC 4376 Stress and the Nervous System  
 NSC 4394 Internship in Neuroscience  
 NSC 4397 Honors Thesis  
 NSC 4V96 Teaching Internship  
 NSC 4V98 Directed Research (may be repeated for credit, up to 9 hours)  
 NSC 4V99 Individual Study (may be repeated for credit, up to 6 hours)  
 NSC 4V90 Special Topics in Neuroscience  
 PSY 4360 Learning  
 PSY 4362 Perception  
 SPAU 3304 Communication Sciences  
 SPAU 3344 Anatomy and Physiology of Speech and Hearing

## Typical Four-Year Schedule for BS Degree in Neuroscience 2008-2010 Catalog

FALL	SPRING
<b>Freshmen Year</b>	
RHET1101 Oral Communication HIST 1301 American History MATH 2417 Calculus I CHM 1311/1111 Gen Chem I w/lab PSY 2301 Intro to Psychology 15 Total Semester Credit Hours	RHET 1302 Composition and Rhetoric HST 1302 American History PSY 2317 or STAT 1342 CHM 1312/1112 Gen Chem II w/lab NSC 3361 Behavioral Neuroscience 16 Total Semester Credit Hours
<b>Sophomore Year</b>	
GOVT 2301 Cnst/Pol Beh US & TX HUMA 1301 Humanities BIOI 2311 Intro to Modern Biology NSC 4352 Cellular Neuroscience Elective 15-16 Total Semester Credit Hours	GOVT 2302 Pol Institutions US & TX ARTS 1301 Exploration of the Arts BIOL 2281 Intro Biology Lab NSC 4367 Developmental Neuro. Elective 14-15 Total Semester Credit Hours
<b>Junior Year</b>	
NSC 4354 Integrative Neuroscience NSC major-guided elective Elective Elective Elective 15 Total Semester Credit Hours	NSC 4353 Neuroscience Lab Methods NSC 4363 Neuropharmacology NSC major guided elective Elective Elective 15 Total Semester Credit Hours
<b>Senior Year</b>	
NSC 4356 Neurophysiology NSC major-guided elective NSC major-guided elective elective elective 15 Total Semester Credit Hours	NSC 4366/4166 Neuroanatomy w/workshop NSC major-guided elective elective elective elective 16 Total Semester Credit Hours