

INTEGRATIVE NEUROSCIENCE MAJOR

Concentrations

Cell and Molecular Neuroscience

Course	Title	Credits
NSCI 2040	Research Design and Analysis	3 to 4
or PSYC 2000	Statistics	
Three courses from the list below		

Courses for Cell and Molecular Neuroscience

Three courses are required from the list below. Note that many courses on the list below have a required lab component. Students may not enroll in two mutually exclusive versions of the same course, where different course numbers are used on each campus to represent a materially identical course (e.g., BISC 2539 General Genetics and NSCI 3133 Genetics Lecture). Please consult your adviser to confirm whether you may enroll in a given course.

Courses in this group have the NECM attribute.

Course	Title	Credits
BISC 2539	General Genetics	3
BISC 3132	Human Physiology	3
BISC 3221	Human Anatomy	3
BISC 3521	Biochemistry	3
BISC 3752	Molecular Biology	3
BISC 3754	Cell Biology	3
BISC 4642	Animal Behavior	4
BISC 4693	Developmental Biology	3
CHEM 2522	Organic Chemistry II	4
CHEM 4221	Biochemistry I	3
NSCI 2018	Biology of Aging	3
NSCI 2122	Immunology Lecture	3
NSCI 2141	Vertebrate Anatomy Lecture	3
NSCI 3122	Organic Chemistry Lecture II	4
NSCI 3133	Genetics Lecture	3
NSCI 3154	Cell and Development Biology Lecture	3
NSCI 4081	Neurochemistry	3
NSCI 4112	Animal Physiology Lecture	3
NSCI 4144	Microanatomy Lecture	3
NSCI 4153	Biological Chemistry Lecture	3
NSCI 4176	Molecular Biology Lecture	3

Cognitive Neuroscience

Course	Title	Credits
PSYC 2000	Statistics	4
Three courses from the list below		

Courses for Cognitive Neuroscience

Three courses are required from the list below. Courses labeled Lab with a PSYC XX01 designation also include a lecture.

Courses in this group have the NECG attribute.

Course	Title	Credits
LING 3015	Language and Thought	4
PHIL 3243	Philosophy of Cognitive Science	4
PHIL 3254	Philosophy of Perception	4
PHIL 3940	Neuroethics	4
PSYC 2010	Research Methods Lab	5
PSYC 2301	Sensation and Perception Lab	5
PSYC 2401	Memory Laboratory	5
PSYC 2501	Cognition Laboratory	5
PSYC 3550	Consciousness	4
PSYC 4330	Music and Psychology	4

Systems/Computational Neuroscience

Course	Title	Credits
CISC 2850	Computer and Data Analysis	4
Three courses from the list below		

Courses for Systems/Computational Neuroscience

Three courses are required from the list below.
Courses in this group have the NESY attribute.

Course	Title	Credits
CISC 2011	Programming for Math and Science	4
CISC 3060	Introduction to Robotics	4
CISC 4006	Brains and Behavior in Beasts and Bots	4
CISC 4020	Bioinformatics	4
CISC 4597	Artificial Intelligence	4
CISC 4621	Machine Learning	4
NSCI 3101	Biological Modeling	4
NSCI 3102	Biological Modeling Recitation	0