

## Neuroscience

<b>Courses required for the first year:</b> None
<b>Courses recommended for the first year:</b> PSYC 200 Introduction to Neuroscience CHEM 131-132 and MATH 160 are also great for establishing a basic science foundation.
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## The Major in Neuroscience

### Required Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
<b>PSYC 200</b>	Introduction to Neuroscience		--	Once or twice each year	4
<b>PSYC 240</b>	Statistics	Q	*see below	F, SP	4
<b>PSYC 246</b>	Research Methods		PSYC 100 or PSYC 200, AND PSYC 240 *see below	F, SP	4
<b>PSYC 349</b>	Advanced Seminar in Neuroscience		PSYC 200 AND PSYC 246	offered once per year, usually F	4
<b>PSYC 352</b>	Methods in Neuroscience		PSYC 200 AND PSYC 246	J	4
<b>PSYC 452, 458 or 466</b>	Senior Inquiry		PSYC 246	F, SP	4
<b>*Students should contact their advisor to be added to the waitlist for PSYC 240 and PSYC 246 when they declare the major.</b>					

### Additional Courses

#### Choose one neuroscience elective

- PSYC 342 Cognition (PSYC 246 prereq)
- PSYC 343 Sensation & Perception (PSYC 246 prereq)
- PSYC 347 Learning (PSYC 246 prereq)
- PSYC 418 Drugs & Addiction (PSYC 100 or PSYC 200 prereq & Junior status)

**Choose two multidisciplinary electives (must be from different department codes)**

- BIOL 130 Molecules to Cells (intended for BIOL majors)
- BIOL 250 Genetics (BIOL 130 and BIOL 140 prereqs)
- BIOL 358 Neuroanatomy (BIOL 351 prereq)
- BIOL 360 Comparative Physiology (BIOL 130 and BIOL 140 prereqs)
- BIOL 362 Human Physiology (BIOL 130 prereq)
- CSC 320 Principles of Artificial Intelligence (PH; C or better in CSC 202 and MATH 250)
- CSD 205 Anatomy, Physiology, & Science of Speech
- CSD 210 Anatomy, Physiology, & Science of Hearing (CSD 110 prereq)
- CSD 410 Neural Bases of Human Communication
- PHIL 301 Decision & Game Theory (PS & Q)
- PHIL 310 Philosophy of Mind (PH)
- PHIL 314 Philosophy of Language (PH)
- RELG 355 Medical Ethics (PH)

**Additional Recommended Courses**

Some or all of the following are recommended for students planning to pursue graduate training in neuroscience and may be required by some graduate programs: CHEM-131, -132, -321, -322, -441, -442; MATH-160; PHYS-151, -152, or PHYS-211, -212, -213. Students should also participate in supervised research (PSYC 382, -385). Please consult with your advisor.

**Major Overview**

**MAJOR IN NEUROSCIENCE** 36 credits, including PSYC-200, -240, -246, -349, -352 one Neuroscience elective (choose from PSYC-342, -343, -347, -418); two multi-disciplinary electives from different course codes (choose from BIOL-130, -250, -358, -360, -362, CSC-320, CSD-205, -210, -410, PHIL-301, -310, -314, RELG-355); and one Senior Inquiry from PSYC-452, -458, or -466. Students who complete Senior Inquiry in another major must substitute an additional 4-credit elective at the 300 or 400 level. The major requires a minimum of 20 credits at the 300-400 level.

Students may not major or minor in both Psychology and Neuroscience.

Recommended supporting courses: some or all of the following are recommended for students planning to pursue graduate training in neuroscience and may be required by some graduate programs: CHEM-131, -132, -321, -322, -441, -442; MATH-160; PHYS-151, -152, or PHYS-211, -212, -213. Please consult with your advisor.

For course descriptions, see the catalog pages for Biology, Chemistry, Communication Sciences & Disorders, Computer Sciences, Math, Philosophy, Physics, Psychology, and Religion.

\*Fall, J term, Spring, Summer; see [Academic Calendar](#) for specific dates

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