

# NEUROSCIENCE MINOR

Students may declare a Neuroscience Minor in conjunction with any major. Students who plan to declare a Neuroscience Minor must first complete one foundational course in STEM (i.e., BIOL 161, CHEM 181, CSCI 131, MATH 135 or equivalent, NEUR 110, or PHYS 115) and one neuroscience-focused course.

## Requirements

Minors must take 6 courses observing the following rules:

- Students may overlap no more than two courses with major requirements.
- Students may use no more than two courses from their major department.
- Foundations in STEM courses shall not count toward overlap with major requirements.
- Students must include course form at least three departments in the minor.
- Students are not required to take BIOL 161, but it is recommended and serves as the prerequisite for many cellular/molecular approach course options.

### Code Title

#### Foundations in STEM: 1 course

CHEM 181	Atoms & Molecules
CSCI 131	Techniques of Programming
PHYS 116	Introductory Physics 2: Electromagnetism, Optics and Modern Physics

#### Neural Mechanisms: 1 course

BIOL 269	Neurobiology Lecture
NEUR 210	Neuroethology with Physics
NEUR 220	Neural Circuits & Systems

#### Cellular/Molecular Approaches: 1 course

BIOL 230	Developmental Biology
or BIOL 232	Developmental Biology Lecture
BIOL 261	Genetics
or BIOL 262	Genetic Analysis
BIOL 266	Cell Biology
BIOL 269	Neurobiology Lecture
BIOL 301	Biochemistry 1
or CHEM 301	Biochemistry

#### Systems/Behavioral Approaches: 2 courses

BIOL 283	Evolution
BIOL 390	Physiology
or BIOL 391	Physiology Lecture
CSCI 363	Computational Vision
NEUR 110	Introduction to Neuroscience
NEUR 210	Neuroethology with Physics
NEUR 220	Neural Circuits & Systems
PHIL 227	Philosophy of Race
PHIL 250	Medical Ethics
PHIL 261	Philosophy Of Mind
PHIL 271	Philosophy of Science
PHIL 272	Philosophy Of Biology

PHIL 289	Ethical Issues/Death & Dying
PSYC 220	Perception&Social Neuroscience
or PSYC 222	Sensation & Perception
PSYC 221	Physiology and Behavior
PSYC 223	Animal Learning
PSYC 235	Cognitive Neuroscience
PSYC 236	Cognition & Memory

#### Advanced Course in Neuroscience: 1 course

NEUR 310	Adv Seminar in Neuroscience
PSYC 315	Biology of Mental Disorders
PSYC 316	Drug Abuse: Brain and Behavior
PSYC 321	Neuroanatomy & Behavior
PSYC 327	Predictive Coding in the Brain
PSYC 362	Cognitive Neuropsychiatry