

NEUROSCIENCE MINOR

Curriculum

The interdisciplinary Minor in Neuroscience requires seven courses (17-20 credit hours), including four required courses (three foundational lecture courses and one seminar), at least two neuroscience lab courses, and one additional neuroscience lecture or lab course.

The following are required courses for the Interdisciplinary Neuroscience Minor:

Code	Title	Hours
Required Interdisciplinary Neuroscience Courses		
NEUR 101	Introduction to Neuroscience ¹	3
BIOL 362	Neurobiology	3
PSYC 382 / BIOL 284	Behavioral and Cognitive Neuroscience	3
NEUR 300	Seminar in Neuroscience ²	1
Required Laboratory Experience		
Select two of the following:		4-8
BIOL 373 / NEUR 301 / PSYC 388	Laboratory in Neuroscience I	
BIOL 366L	Cell Physiology & Biochemistry Lab	
BIOL 390	Molecular Biology Laboratory	
BIOL 395L	Special Topics Laboratory	
PSYC 311 / BIOL 313	Lab in Psychobiology	
PSYC 312	Lab in Cognitive Neuroscience	
PSYC 313	Lab in Behavioral Neuroscience	
PSYC 314	Lab in Experimental Psychology: Cognition	
PSYC 316	Lab in Experimental Psychology: Sense & Perception	
May include one of the following independent research options:		
PSYC 397	Independent Research (with a Cognitive/ Behavioral focus)	
PSYC 369 / PSYC 370	Psychology Honors Readings (with a Cognitive/ Behavioral focus)	
BIOL 396	Research (with a Molecular/Cellular or Cognitive/ Behavioral focus)	
Electives		
Select one of the following lectures or an additional lab course:		3
BIOL 320	Animal Behavior	
BIOL 358	Developmental Neurobiology	
BIOL 351	Sleep/Circadian Rhythms	
BIOL 352	Neurobiology of Feeding in Health and Disease	
BIOL 357	Neural Disease, Degeneration, and Regeneration	
BIOL 395	Special Topics in Biology (when topic is related to neuroscience)	
COMP 386	Computational Neuroscience	
PSYC 240 / BIOL 240	Psychology-Biology of Perception	
PSYC 251	Learning and Memory	
PSYC 332	Affective Neuroscience	

PSYC 350	Developmental Cognitive Neuroscience
PSYC 352	Neuropsychology
PSYC 378	Drugs and Behavior

Total Hours 17-21

¹ Note: NEUR 101 Introduction to Neuroscience was formerly BIOL 202/ PSYC 202

² Neuroscience minors enrolled in independent research in Biology or Psychology with a neuroscientist are not required to take NEUR 300 Seminar in Neuroscience.

Undergraduate Research

Neuroscience students have numerous opportunities to conduct scientific research in the labs of our neuroscience-affiliated faculty at Loyola's Lake Shore Campus (<https://www.luc.edu/neuroscience/aboutus/facultydirectoryandresearch/#den422313>), in the labs of other faculty on any of Loyola's campuses, or at other institutions in the Chicago area. Depending on the applicability of the research project to the student's Neuroscience Major or Minor, independent research may be able to qualify for course credit as one of the required specialty labs (see below).

Neuroscience Minor Research Credit

Neuroscience minors can earn NRSC specialty lab credit for conducting **independent research that has a neuroscience, cognitive/behavioral, or molecular/cellular focus** in labs within the psychology or biology departments or at an appropriate external internship site. Your research project must be approved by the NRSC Co-Directors for NRSC credit through one of the 3-credit courses below:

- BIOL 396 Research (relevant research with faculty in Biology)
- BIOL 398 Internship in Biology (relevant research at an external site)
- PSYC 397 Independent Research (relevant research with faculty in Psychology)
- PSYC 369 Psychology Honors Readings/PSYC 370 Psychology Honors Research (relevant research with faculty in Psychology)

Please contact the NRSC Co-Directors for questions about earning credit from cognitive/behavioral, molecular/cellular, or neuroscience-related research in other departments (e.g., computer science, engineering, chemistry).