

NEUROSCIENCE MINOR

Minor Requirements

The requirements for a **minor in neuroscience** are 24 credits:

Code	Title	Hours
Neuroscience Courses		
NEU 109	Introduction to Neuroscience	4
NEU/BIOL 400	Neurobiology	4
or PSYC 319	Behavioral Neuroscience	
NEU/CHEM 475	Neurochemistry	4
or PSYC 324	Drugs and Behavior	
CHEM 142	Survey of Organic and Biochemistry	4
or CHEM 373	Biochemistry I	
Select 4 additional credits; at least one course from the following:		4
NEU 252	Physical Neuroscience	
NEU/PSYC 328	Human Neuropsychology	
NEU 380	Special Topics	
NEU/CHEM 475	Neurochemistry	
NEU 480	Independent Study	
NEU/BIOL 487	Directed Research	
PSYC 319	Behavioral Neuroscience	
PSYC 323	Perception	
PSYC 324	Drugs and Behavior	
PSYC 361	Cognitive Psychology ¹	
Select 4 additional credits; at least one course from the following:		4
BIOL 306	Human Anatomy and Physiology	
BIOL 336	Histology ²	
BIOL 350	Animal Behavior ²	
BIOL 352	Immunology and Parasitology	
BIOL 402	Embryology ²	
BIOL 406	Advanced Cell Biology	
BIOL 412	Integrated Vertebrate Anatomy and Physiology II	
BIOL 416	Advanced Topics in Genetics	
BIOL 497	Research Seminar (with approval, topic rotates)	
CHEM 330	Analytical Chemistry I	
CHEM 374	Biochemistry II	
DATA 200	Introduction to Data Analytics	
DATA 318	Data Mining	
MATH 315	Probability and Mathematical Statistics	
MATH/DATA 316	Applied Statistical Models	
PSYC 318	Learning and Behavior ¹	
PSYC 325	Health Psychology ¹	
PSYC 357	Abnormal Psychology	
Total Hours		24

The neuroscience minor can be completed in 24 credits; however depending on course selection and the student's major(s) and/or additional minors, it may take up to 52 credits. To have flexibility in course selection, it is recommended that students take BIOL 121 and PSYC 111, which are prerequisite courses for many of the elective course options. Advisors and students are encouraged to review the policies about unique credits required for majors and minors as detailed in the Office of the Registrar Glossary of Terms (<https://catalog.concordiacollege.edu/undergraduate-academic-community/office-registrar/glossary/>). Students pursuing a major in neuroscience are encouraged to contact the chair of the neuroscience program early in their studies to discuss the complexity of the program.

The following courses have prerequisites offered in complementary programs:

Code	Title	Hours
BIOL 306	Human Anatomy and Physiology	4
BIOL 352	Immunology and Parasitology	4
BIOL 406	Advanced Cell Biology	4
BIOL 411	Integrated Vertebrate Anatomy and Physiology I	4
BIOL 412	Integrated Vertebrate Anatomy and Physiology II	4
BIOL 416	Advanced Topics in Genetics	4
BIOL 497	Research Seminar	4
CHEM 330	Analytical Chemistry I	4
CHEM 373	Biochemistry I	4
CHEM 374	Biochemistry II	4
MATH 315	Probability and Mathematical Statistics	4
MATH 316	Applied Statistical Models	4
PHYS 112	General College Physics II	4

¹ PSYC 111 Introductory Psychology or equivalent is a prerequisite.

² NEU 109 Introduction to Neuroscience and junior or senior standing may be used as the prerequisite.