

# Undergraduate Minor in Neuroscience

CURRICULUM SHEET | CATALOG YEAR: 2022+

NAME \_\_\_\_\_ SID \_\_\_\_\_ Primary Major \_\_\_\_\_

## Prerequisite Courses

MCB 181R & MCB 181L .....3\_\_ 1\_\_  
 CHEM 151 .....4\_\_  
 CHEM 152 .....4\_\_

*Courses represent prerequisites for the majority of NROS courses and foundational courses in the program.*

## Required Coursework

NROS 307/H – Cellular Neurophysiology (FALL).....3/4\_\_  
 NROS 310/H – Mol. & Cell. Bio of Neurons (SPRING).....3/4\_\_

## NSCS/NROS Electives (6 Units)

*Choose 2 courses from NSCS/NROS elective options (listed to the right).*

1 : \_\_\_\_\_3\_\_  
 2 : \_\_\_\_\_3\_\_

## Additional Electives (6 Units)

*Choose two courses from either the NSCS/NROS Elective list, or the Additional Electives list.*

1 : \_\_\_\_\_3\_\_  
 2 : \_\_\_\_\_3\_\_

## NSCS/NROS Electives

- NSCS 200 (3) - Fundamentals of Neuroscience and Cognitive Science (FALL)
- NSCS 308 (1) - Methods in Neuroscience (FALL)
- NROS 311 (3) - Scientific Programming with MatLab (SPRING)
- NROS 330 (3) - Principles of Neuroanatomy: Cells to Systems
- CGSC 344 (3) - Modeling the Mind
- NROS 381 (3) - Animal Brains, Signals, Sex, and Social Behaviors
- NROS 412 (3) - Molecular Mechanisms of Learning and Memory
- NROS 418 (3) - Fundamental Principles of Systems Neuroscience (SPRING)
- NROS 430 (3) - Neurogenetics
- NROS 440 (3) - How to Build a Brain: Mechanisms of Neural Development

## Additional Electives

- PSY 313 (3) - Drugs and the Brain  
OR PSY 413 (3) – Drugs, Brain, and Behavior
- PSY 321 (3) - Brain Rehabilitation
- ECOL 346 (3) - Bioinformatics
- PSY 403C (3) - Introduction to Computational Neuroscience
- PSY 405 (3) - Developmental Cognitive Neuroscience
- PHYS 431 (3) - Molecular Biophysics
- ISTA 457 (3) - Neural Networks
- PSIO 465 (3) - Neurophysiology
- PSY 485 (3) - Psychoneuroimmunology
- ECOL 487R (3) - Animal Behavior
- ECOL 487L (1) - Animal Behavior Lab
- PSY 496L (3) - Introduction to Neural Data Analysis

Minor Requirements			
18 total units	<input type="checkbox"/>	9 upper division units	<input type="checkbox"/>
2.000 + minor GPA	<input type="checkbox"/>	6 unique minor units	<input type="checkbox"/>