# Undergraduate Minor in Neuroscience

**CURRICULUM SHEET | CATALOG YEAR: 2022+**

**NAME_____ SID_____ Primary Major_____**

**Prerequisite Courses**

MCB 181R & 181L ……..3__ 1__

CHEM 151 ……..4__

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

**Required Coursework**

NROS 307/H – Cellular Neurophysiology ……..3/4__

NROS 310/H – Mol. & Cell. Bio of Neurons ……3/4__

**NSCS/NROS Electives (6 Units)**

**NSCS 200 recommended as elective 1.*
*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
NSCS 308 (1) - Methods in Neuroscience
NSCS 311 (3) - Scientific Programming with MatLab
NROS 330 (3) - Principles of Neuroanatomy: Cells to Systems
NSCS 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
NROS 430 (3) - Neurogenetics
NSCS 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** ☐ | **9 upper division units** ☐ |
| **2.000 + minor GPA** ☐ | **6 unique minor units** ☐ |