

Undergraduate Minor in Neuroscience

NRSC MINOR | CURRICULUM SHEET | CATALOG YEAR: 2022+

NAME _____ SID _____ Primary Major _____

Prerequisite Courses

MCB 181R & MCB 181L3__ 1__

CHEM 1514__

CHEM 1524__

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__

*NRSC minor students do not need to take NSCS 200 first but are more than welcomed to.

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 318 (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

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9 upper division units

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2.000 + minor GPA

☐

6 unique minor units

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