# Neuroscience BS Requirements (2021-22)

Course offerings are subject to change

Note that the requirements for the 21-22 catalog are different from past requirements. Check in your portal to see which catalog you are bound to.

## Lower Division Requirements

### Calculus:
- MATH 11A (FWS) or MATH 19A (FWS)
- or
- MATH 11B (FWS) or MATH 19B (FWS)

### General Chem:
- CHEM 1A: General Chemistry (FWS)
- or
- CHEM 1B: General Chemistry (FWS)
- CHEM 1N: General Chemistry Lab (FWS)

### Biology
- BIOL 20A: Cell and Molecular Bio (FWS)
- or
- BIOL 20B: Development and Physiology (FWS)
- BIOL 20L: Experimental Bio Lab (FWS)

### Organic Chem:
- CHEM 8A: Organic Chemistry (FW)
- or
- CHEM 8B: Organic Chemistry (WS)
- CHEM 8L: Organic Chem Lab (FW)

### Statistics:
- STAT 5: Statistics (FWS)
- or
- STAT 7: Stats for the Biological, Environmental, and Health Sciences (FWS)

### Physics:
- PHYS 6A: Introductory Physics I (FW)
- or
- PHYS 6C: Introductory Physics III (FS)

After passing the above qualification courses shaded green with a C or better, you can submit a Petition to Declare. All qualification courses must be completed by the end of the 5th quarter and students must petition to declare by the 6th quarter deadline.

## Upper Division Courses

Complete the major with the following:

### CORE COURSES:
- BIOL 105: Genetics (FWS)
- BIOL 100: Biochemistry (WS)
  - or
  - BIOL 101: Molecular Biology (FS)
- BIOL 102L: Toxic RNA Lab II (W)
- BIOL 125: Introduction to Neuroscience (FW)
- BIOL 126: Advanced Molecular Neuroscience (S)
- BIOL 128: Developmental Neurobiology (S)

### ELECTIVES: 3 UPPER DIVISION ELECTIVES (ONLY ONE OF WHICH MAY BE A 3-UNIT COURSE: BIOL 112, 116 OR 117)

### LAB: LAB COURSE REQUIRED
- BIOL 129L: Neurobiology Lab
  - or
  - BIOL 129A: Advanced Topics in System Neuroscience

### DISCIPLINARY COMMUNICATION & SENIOR EXIT REQUIREMENTS ARE SATISFIED BY COMPLETING 129L

DC/SENIOR EXIT COMPLETE
Please refer to your [2021-22 UCSC General Catalog](#) for more information or clarification.