

Keck Neurosciences Major

Neuropharmacology Sequence

For students interested in a research career in neuropharmacology with a molecular emphasis.

Tier 2 Courses

- Physics 30 & 31 General Physics (2 semesters)
- Math 30 Calculus 1; Math 31 Calculus 2
- Introductory Statistics (any Psychological Statistics course: PSYC91 PZ; PSYC103 SC or PSYC109 CM or BIO175 JS Applied Biostatistics)
- Four course sequence
- PSYC148 PZ Neuropharmacology & Behavior and any 3 below:
- PSYC111 PZ Physiological Psychology
- Chemistry116 JS & 117 JS Organic Chemistry
- Chemistry177 JS Biochemistry
- Biology170L Molecular Biology
- Chemistry124 Bioanalytical Chemistry

Recommended courses (non-PO students require permission)

- NEUR103 PO Neuropharmacology
- NEUR189S PO Synaptic Transmission

For students in neuropharmacology with a psychology/behavioral emphasis

Tier 2 Courses

- Psychological Statistics (PSYC 91 PZ; PSYC 103 SC or PSYC 109 CM) or BIO 175 JS Applied iostatistics or MATH 52PZ Introduction to Statistics or any general statistics course offered by the 5Cs.
- Research Methods (PSYC 92 PZ; PSYC 104/104L SC; PSYC 110/111L CM)
- Any MATLAB or equivalent computer programming course as a full credit independent study or BIO 133 Introduction to Mathematical Physiology (Please note: students should have at least MATH 31 Calculus 2 for BIO 133).

Four course sequence

- PSYC148 Neuropharmacology & Behavior (any 3 of the following)
- PSYC111 Physiological Psychology
- PSYC131 SC & PSYC131L SC Clinical Neuropsychology; PSYC114 PZ Human Neuropsychology,
- PSYC070, PSYC181 PZ, PSYC128 SC Abnormal Psychology or PSYC181 SC, PSYC118 PZ Health Psychology
- PSYC123 & 123L Cognitive Neuroscience
- BIO80L Behavioral Neurobiology
- Recommended (non-PO students require permission)
- NEUR103 PO Neuropharmacology
- NEUR180W PO Biological Bases of Psychopathology (strongly recommended)