

NEUROSCIENCE MAJOR REQUIREMENTS

MAJOR - NEUROSCIENCE (32 HOURS)

- 4 Psyc. 101 General Psychology (required)
- 5 Biol. 205 Concepts in Biology II (required)
- 3 Psyc. 330 Intro. to Neuroscience (required) OR
Biol. 330 Intro. to Behavioral Neuroscience

20 hours of electives.

At least one course in each of the following two groups chosen in consultation with an advisor in the neuroscience program:

GROUP I. BIOLOGY

- 1-4 Biol. 401 Independent Research
- 3 Biol. 418 Neurophysiology
- 3 Biol. 419 Neuroethology
- 4 Biol. 420 *Animal Behavior
- 3 Biol. 440 *Molecular Neurobiology
- 3 Biol. 490**Undergraduate Seminar

GROUP II. PSYCHOLOGY

- 4 Psyc. 328 *Psychophysiology
- 3 Psyc. 331 Psychopharmacology
- 4 Psyc. 332 *Neuroscience of Emotion
- 4 Psyc. 333 *Cognitive Neuroscience
- 3 Psyc. 334 Behavioral and Neural Genetics
- 3 Psyc. 335 Psychoneuroendocrinology
- 1-4 Psyc. 440**General Seminar
- 1-3 Psyc. 490**Special Problems in Psychology

GROUP III. NEUROSCIENCE

- 1 Neur 450 Neuroscience Seminar
- 1-3 Neur 470 Introduction to Neur. Research

OTHER SCIENCE CORE REQUIREMENTS

PHYSICS

- 5 Phys. 201 College Physics
- 5 Math 131 Calculus - Analytical Geometry I

CHEMISTRY

- 5 Chem. 125 or 135 #General Chem.
- 4 Chem. 127 or 137 #General Chem.
- 1 Chem. 128 or 138 #General Chem. Lab

- 4 Chem. 306 Organic Chemistry
OR
- 5 Chem. 341 Organic Chemistry
AND
- 3 Chem. 344 Organic Chemistry
- 1 or 2 Chem. 345 or 346 Organic Chem. Lab

OPTIONAL

- 5 Chem. 308 +Biochem.

- 5 Chem. 309 +Biochem. Lab and either
Chem. 345 or 346

PREREQUISITES

- Consent of instr. or 4 sem. of Biology
- Consent of instr. or 204 and 205
- Consent of instr. or 204 or 205
- Consent of instr. or 204 and 205
- Consent of instr. or 4 sem. of Biology
10 hours Biology

- Consent of instr. or 270 and 290
- Consent of instr. or 201
- Consent of instr. or 270 and 290
- Consent of instr. or 201, 270, 290
- Consent of instr. or 201
- Consent of instr. or 201

7 hours Psychology

- Consent of instr. or Math 130 or 131
- Consent of instr. or 125
- Consent of instr. or co-register 127

Consent of instr. or 137 and 138 or
127and128

Consent of instr. or 137and138 or
127and128

Consent of instr. or 341

Consent of instr. or 127/128 or 137/138
and 342 or 306

Consent of instr. or 308 or 445

A neuroscience major must take 32 credit hours of neuroscience courses that are listed in the Departments of Psychology and Biology. You must complete Biology 205 and Psychology 101 and 330. PSYC 330 is also listed as BIOL 330 and NEUR 330.

GROUP I. You must complete at least one course from this group. *These courses require either additional prerequisites or consent of instructor. See Undergraduate Catalog. **Must have approval of Neuroscience Program to count toward major.

GROUP II. You must complete a minimum of one course from this group. *These courses require either additional prerequisites or consent of instructor. See Undergraduate Catalog on the web. **Must have approval of Neuroscience Program to count toward major.

Physics. Neuroscience majors must complete Physics 201.

Chemistry. The neuroscience major has both a General Chemistry and Organic Chemistry requirement. #Satisfies Group IIIa lab requirement for B.S. degree.

Biochemistry is not required but recommended for students with a more molecular/cellular neuroscience interest.
+Pre-med students might find Chem. 445, 446, and 447 more suitable.

