Concentration in Behavioral Neuroscience

**Purpose:** This concentration (within the Psychology Major) provides interdisciplinary training for students preparing for academic or professional careers in Neuroscience-related areas. The Concentration offers a set of core and specialized courses, mentored research experience in faculty laboratories and opportunities for student research presentations. The neuroscience concentration is a particularly good option for students who plan to do graduate study in neuroscience or neuroscience-related fields or attend medical school for neurology, neurosurgery, or psychiatry specialties.

**Requirements (Level I)**
Admission to the program requires completion of the following courses with a minimal GPA of 3.0 (overall) and a GPA of 3.5 in the Major. *This level of scholarship must be maintained through completion.*

- Biology: 100, 102,
- Chemistry: 102, 104/106,
- Math: 150 (Calculus)
- Psychology 100, 224, 248

**Requirements (Level II)**

- Biology 203
- Chemistry 222 (Lecture only)
- Psychology 250

**Requirements (Level III)**

- 12 cr of Neuroscience electives (Biology, Psychology) at the 300 level
- Completion of a Neuroscience seminar course
- Psych 396 and 398
- Completion of a mentored Honors Research Thesis

**Notes:**
1. After Level I requirements are met, the student should contact the BNC Advisor * to discuss future plans.
2. Bio 203 is a prerequisite for all 300 level Biology courses.
3. This should include at least one 300 level Biology course
4. A Seminar is defined as a course in which a substantial portion of the work involves reading, presentation, and discussion, by the students, of original scientific papers. Seminar courses are offered by both Biology and Psychology. Because these are advanced courses, permission must be obtained for specific courses from the Concentration Director and the course Instructor.
5. The Concentration may be taken either with or without an Honors Research component but the Honors component is strongly recommended for students applying to graduate, medical or other-pre-professional schools. *Students selecting the Honors option are required to take Psych 396 and Psych 398, but they do not count towards the 12 cr requirement.*

**Associated Courses in Biology and Psychology**

<table>
<thead>
<tr>
<th>Biology Courses</th>
<th>Psychology Courses</th>
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<tbody>
<tr>
<td>PSYCH 301 SENSORY NEUROSCIENCE</td>
<td>BIOLOGY 370 NEUROPHYSIOLOGY</td>
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<tr>
<td>PSYCH 309 BEHAVIORAL ENDOCRINOLOGY</td>
<td>BIOLOGY 376 ENDOCRINOLOGY</td>
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<tr>
<td>PSYCH 316 COGNITIVE NEUROSCIENCE</td>
<td>BIOLOGY 380 MOLECULAR NEUROBIOLOGY</td>
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<td>PSYCH 327 MOTIVATION AND EMOTION</td>
<td>BIOLOGY 385 DEVELOPMENT NEUROBIOLOGY</td>
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<tr>
<td>PSYCH 369 BEHAVIORAL PHARMACOLOGY</td>
<td>BIO 471 SPECIAL TOPICS</td>
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<tr>
<td>PSYCH 382 CURRENT TOPICS BIOPSYCHOLOGY</td>
<td>PSYCH 396/398 HONORS*</td>
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*The BNC Advisor is Distinguished Prof. Philip Zeigler, (R 626 HN: hzeigler@hunter.cuny.edu).*

Note, because this is a concentration within Psychology, all students must meet the curricular requirements of the PSYCH major. **BIOLOGY is prepared to waive some prerequisites for advanced (200, 300) courses, but permission must be obtained from both the Psych and Bio advisers. Contact Prof. Zeigler no later than one month before Registration.***