As many as half of NBB concentrators (c. 70+ per year) do at least one semester of research for credit (BIONB 4990). Students are encouraged to contact faculty members about research opportunities in behavior or neurobiology.

Funding is available for summer research through the Hughes Scholars Program, various NSF REU programs or through faculty research grants.

Many students enroll in the Honors program and write an honors thesis as part of their bachelor's degree.

Students intent on attending graduate school should talk to their faculty advisor to inquire about research opportunities and directions.

The Office of Undergraduate Biology maintains a database of faculty members and current research projects for biologists from many departments across campus with interests in Neurobiology and Behavior.

http://biology.cornell.edu

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Michael Webster
Robert Wytenbach

NBB Curriculum Committee
Carl D. Hopkins (Director of Undergraduate Studies),
Ron Hoy, David Deitcher, and Kern Reeve.

In the NBB program, students explore the intricate relationship between the workings of the brain and the behavior of organisms in the real world. Specializations in systems neuroscience, cognitive neuroscience, and psychobiology enable a unique approach to understanding the complex interplay between mind and behavior.

The NBB curriculum is designed to provide a comprehensive education in the fields of neurobiology and behavior, integrating the biological and behavioral sciences to foster a holistic understanding of the nervous system and its functions.

INFORMATION FOR UNDERGRADUATES

NEUROBIOLOGY AND BEHAVIOR PROGRAM OF STUDY

A concentration in the Biology Major for undergraduate students
The Biology Major at Cornell guides students through foundation courses in math, physical sciences, and a core curriculum for breadth in biology. Students also select a Program of Study for depth in an area of interest. Neurobiology and Behavior (NBB), one of the 14 Programs of Study, is flexible, integrative, and at the frontier of modern biological science.

Requirements (15 credits)

1. The two introductory Neurobiology and Behavior courses, each taken with discussion section: BIONB 2210, Introduction to Behavior, 4 credits, Fall; and BIONB2220, Introduction to Neurobiology, 4 cr., Spring.

2. Seven additional credits of NBB courses including:
   - At least one advanced NBB course at the 3000+ level for 3 or more credits
   - One or more NBB courses to make up 7 credits total (Note: Special Topics and Independent Research credit may be used toward these credits)

Students who declare their program of study after having taken BIONB 2210 or 2220 for only 3 credits will need to take the 1-credit discussions separately.

Recommendations

Although not required, the faculty of NBB encourages students to get laboratory or field experience through coursework or independent research. Students are also encouraged to take one of the Special Topics courses (BIONB 4200), which may be taken as a capstone experience. The NBB website lists recommended lab, field, and special topics courses. For details, see: www.nbb.cornell.edu/courses

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SCHEDULING COURSES IN THE NBB PROGRAM OF STUDY

Students majoring in Biology are encouraged to take two of the Core Biology Courses and the Investigative Biology Laboratory during their freshman year (see chart below). For those deciding to pursue the NBB Program of Study, the core courses in Evolution, Physiology, Cell and Developmental Biology are appropriate. If scheduling permits, majors should also complete a year of introductory chemistry during the freshman year because it is a prerequisite for several NBB courses including BIONB 2220. BIONB 2210 and 2220 can be taken in any order. The NBB faculty recommends taking BioNB2210 and 2220 in the sophomore year because a number of advanced courses, which require them as prerequisites, are offered only in alternate years. Students should consult with their faculty advisor or the NBB website when planning courses.

Sample undergraduate schedule

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<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
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<td>NBB 2210</td>
<td>NBB adv.</td>
<td>NBB</td>
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<tr>
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www.nbb.cornell.edu/courses