The Barnard Neuroscience and Behavior (NSB) Department, founded in 2019 and thereafter, offers a “new curriculum” to all students who entered in Fall 2018 or earlier. Students who entered in Fall 2019, offers a “new curriculum” to all students who entered in Fall 2019 and thereafter. Students who entered in Fall 2018 had options that were determined individually by the courses they have taken and their interests. Students who entered in Fall 2017 or earlier follow the “old curriculum” established under the rubric of the Neuroscience Program.

The New Curriculum
All NSB majors must take a few courses that provide foundational knowledge and laboratory training. For other courses, NSB majors have multiple options. Reflecting the interdisciplinary nature of our discipline, students can select courses offered in other departments either at Barnard or Columbia. The new NSB curriculum requires the completion of 13 courses (4 introductory courses, 4 core courses, 3 elective courses, a year-long research seminar counting as 2 courses) and a senior thesis.

Four Introductory Courses
- NSBV BC1001 INTRODUCTION TO NEUROSCIENCE
- BIOL BC1502 Introduction to Cell and Molecular Biology
- 2 introductory courses (1 lect, 1 lect+lab) from any cognate discipline (Biology, Chemistry, Computer Science, Physics, or Psychology)

Four Core Courses
- NSBV BC3001 SYSTEMS AND BEHAVIORAL NEUROSCIENCE
- BIOL BC3362 Molecular and Cellular Neuroscience
- NSBV BC2002 Statistics and Experimental Design
- NSBV BC2001 Laboratory in Neuroscience

Senior Research Seminar
- NSBV BC3593 Senior Research Seminar: Neuroscience and Behavior
- NSBV BC3594 Senior Research Seminar: Neuroscience and Behavior

Three Elective Courses
- Students have the option of selecting the elective courses in one suggested track – cognitive/behavioral, computational, or molecular. Approved electives are listed on the department webpage (https://neuroscience.barnard.edu/electives/). One elective course must be a 3000-level seminar.

The Old Curriculum
To elect the NSB major under the old curriculum, a student must have earned:

- an average grade of B- or better in BIOL BC1500+1501 & 1502+1503
- an average grade of B- or better in CHEM BC2001 & 3230+3328
- B- or better in PSYC BC1001

NSB majors are required to complete a senior thesis and the courses listed below.

(a) Molecular & Cellular Neuroscience (BIOL BC3362) and Systems & Behavioral Neuroscience (PSYB BC2119) (one with lab)
(b) one statistics course (e.g., Statics, PSYCH BC BC1101)
(c) two elective courses (approved electives are listed on the department webpage (https://neuroscience.barnard.edu/electives-0/))
Majors must choose one of two areas of concentration: Behavioral or Cellular. The Behavioral concentration places greater emphasis on behavioral and systems neuroscience. The Cellular concentration places greater emphasis on cellular and molecular neuroscience. Students who chose the Behavioral concentration must take (a) Psychology of Learning (Lec+lab, PSYCH BC2106 & 2107) and (b) Animal Behavior (BIOL BC2280). Required courses for the Cellular concentration are: (a) Mendelian & Molecular Genetics (BIOL BC2100), (b) Cell Biology (BIOL BC3310), and (c) one lab (see list on the department page (https://neuroscience.barnard.edu/old-curriculum/)).