



Suggested Curriculum Program in Neuroscience PhD

First Year

Fall (9 credits)

NEU 521: Intro to Cellular Neuroscience

NEU 522: Intro to Molecular Neuroscience

BNB 555: Rotations

BNB 599: Research

BNB 697: Neuroscience Seminar

*BNB 597: Neuroscience Seminar Series *may be repeated

BNB 567: Statistics and data analysis for neuroscience I: Foundations

Spring (9 credits)

NEU 531: Sensory and Motor Systems

NEU 532: Neural Plasticity, Learning and Memory

BNB 555: Rotations

BNB 599: Research

BNB 697: Neuroscience Seminar

BNB 560: Laboratory in Neuroanatomy

BIO: 600/601: Teaching Practicum

GRD 500: Integrity in Science

*Choose a laboratory by early May

Second Year

Fall (9 credits)

BNB 551: Writing in Neuroscience

BNB 599: Research

BNB 597: Neuroscience Seminar

BIO: 600/601: Teaching Practicum

*BNB 563: Self Study Topics (Fall/Spring) – GPD approval required prior to permission to enroll

**Elective (2-4 credits)

Spring (9 credits)

BNB 599: Research

BNB 697: Seminar

BNB 565: Advanced Topics in Neuroscience

*BNB 566: Neurobiology of Disease

*BNB 564: Advanced Topics (Fall/Spring) – GPD approval required prior to permission to enroll

**Elective (2-4 credits)

*NOTE: Must take 3 modules prior to end of 2nd year of study and advancement to candidacy (BNB 563, 564, 566, or 597).

**Elective Requirement: Must take 2 scientifically relevant courses worth two to four credits each prior to advancement.

Advancement to Candidacy

Thesis Proposal Defense due Spring/Summer of second year of study along with all coursework and 2 semesters of TA work.

Third Year and up

Fall/Spring (9 credits per semester)

BNB 699: Thesis Research

BNB 697: Seminar

Section numbers – make sure you enroll in the correct sections:

BNB 599 Research for PhD students, has section 2 (off campus) and section 22 (on campus).

BNB 699 has section 22 for on campus dissertation research (for those advanced to candidacy)

BNB 700 is for dissertation research OFF CAMPUS, so this is the class number to enroll in if advanced to candidacy and doing dissertation research at Cold Spring Harbor.

BNB 697 (Seminar Series): section 1 on campus (online for Fall 2020) and section 2 is off campus.