Suggested Curriculum Program in Neuroscience PhD

First Year

Fall

(9 credits)

NEU 521: Intro to Cellular Neuro
NEU 522: Intro to Molecular Neuro
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)

BNB 562: Systems Neuroscience
BNB 555: Rotations
BNB 599: Research
BNB 697: Neuroscience Seminar
BNB 560: Laboratory in Neuroanatomy (taken in Winter, enrolled in Spring term)
BIO: 600/601: Teaching Practicum
GRD 500: Integrity in Science

*Choose a laboratory by early May

Second Year

(9 credits per semester)

Fall

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**

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.**

**Third Year and up**

(9 credits per semester)

**Fall/Spring**

BNB 699: Thesis Research

BNB 697: Seminar

**Advancement to Candidacy**

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

**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.