

Typical Curriculum for the Neuroscience Ph.D (NEU)

First Year

Second Year

Fall

Core I: Systems Neuroscience (G350)

Responsible Conduct in Research (G312)

Biostatistics (G320)

NEU Works-in-Progress/
Journal Club (G440)

Dean's Seminar Series (G591)

Laboratory Rotation (G310)

Advanced Electives:*

Biophysics of Membranes and
Membrane Proteins (G325)

Cellular Physiology and
Ion Channels¹ (G375)

Neuropharmacology¹

Brain Imaging: *In vivo* Methods¹

NEU Works-in-Progress/
Journal Club (G440)

Translational Neuroscience Seminar

Independent Research

Spring

Core II: Cellular and Molecular
Neuroscience (G351)

Core III: Neural Basis of Behavioral
Plasticity (G355)

Methods in Biomedical Sciences (G395)

NEU Works-in-Progress/
Journal Club (G440)

Dean's Seminar Series (G592)

Laboratory Rotation (G311)

Advanced Electives:*

Biophysics of Membranes and
Membrane Proteins (G325)

Advanced Signal Transduction¹ (G610)

Advanced Topics in Cognition¹

Advanced Topics in Synapses¹

Neuroanatomy (G689)

Neurobiology of Aging and Adult
Development¹ (G695)

Neurodegeneration¹

NEU Works-in-Progress/
Journal Club (G440)

Translational Neuroscience Seminar

Independent Research

*At least two Advanced Electives are required. Not all Advanced Electives are listed.

¹Taught every other year; may be taken in the 1st, 2nd or 3rd year depending on when in the cycle they're given.