

INTERDEPARTMENTAL NEUROSCIENCE PROGRAM (NUIN) PHD

- We require in-person research activity for students to make timely progress toward a degree

Degree Requirements

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (<https://catalogs.northwestern.edu/tgs/academic-policies-procedures/>).

PhD

Total Units Required: 9

Course	Title
Required Courses	
<i>Core Courses (4 units)</i>	
NUIN 401-1	Fundamentals of Neuroscience (2 units)
NUIN 401-2	Fundamentals of Neuroscience
NUIN 401-3	Fundamentals of Neuroscience
<i>"Great Experiments" Elective (1 unit)</i>	
NUIN 411-1	Great Experiments in Molecular and Developmental Neuro Science
NUIN 411-2	Great Experiments in Cellular Neurophysiology
NUIN 411-3	Great Expts in System & Cognitive Neuroscience
<i>Biostatistics Elective (1 unit)</i>	
NUIN 408-0	Quantitative Methods and Experimental Design
PUB_HLTH 302-0	Introduction to Biostatistics
PUB_HLTH 421-0	Intermediate Biostatistics
BIOSTAT 302-0	Introduction to Biostatistics
BIOSTAT 402-0	Intermediate Biostatistics
PSYCH 380-0	Advanced Statistics & Experimental Design
<i>Additional Electives (3 units)</i>	
<i>Noncredit Courses</i>	
NUIN 490-0	Responsible Conduct in Neuroscience Research
NUIN 590-0	Research
TGS 500-0	Advanced Doctoral Study

Other PhD Requirements

- **Laboratory rotations:** three research rotations (additional if necessary) and poster, written, and oral presentations, first year
- **Seminar attendance:** 6/quarter in Fall, Winter, Spring of first year
- **Examinations:** knowledge and research based qualifying exam, taken during second year
- **Teaching:** two quarters of teaching assistantship, usually during the second year
- **Thesis Committee Meetings:** written proposal and oral defense of thesis project to Thesis Committee, taken during third year; annual thesis committee meetings thereafter
- **Seminar presentation:** oral presentation of research at a departmental or conference seminar
- **Publication:** at least one first author publication in a peer-reviewed journal
- **Dissertation:** written dissertation, oral defense of dissertation to Thesis Committee, and public presentation of dissertation