

## Interdisciplinary Neuroscience Doctorate Program Curriculum

Name:

Admit Term:

Interdisciplinary Neuroscience Doctorate Program Curriculum			
First Year (Fall Semester)	Cr/Sem	First Year (Spring Semester)	Cr/Sem
NEU 502: Introduction to Neurobiology	4	NEU 503: Introduction to the Neurosciences	3
NEU 587: Seminar in Neurobiology	1	NEU 587: Seminar in Neurobiology	1
NEU 581: Neurosciences Colloquium	1	NEU 582: Neurosciences Colloquium	1
PSY 532: Experimental Design	3	**Elective/Research Credit	
**Elective/Research Credit			
Second Year (Fall Semester)	Cr/Sem	Second Year (Spring Semester)	Cr/Sem
NEU 511: Human Neuroscience and Neurology	5	NEU 504: Neuroethics*	1
NEU 587: Seminar in Neurobiology	1	NEU 591: Special Projects in Neuroscience	2-3
NEU 591: Special Projects in Neuroscience	2-3	**Elective/Research Credit	
**Additional STA Class	3	**Written and Oral Comprehensive Exam	
Third Year (Fall Semester)	Cr/Sem	Third Year (Spring Semester)	Cr/Sem
NEU 699: Doctoral Dissertation Research	3-6	NEU 699: Doctoral Dissertation Research	3-6
Fourth Year (Fall Semester)	Cr/Sem	Fourth Year (Spring Semester)	Cr/Sem
NEU 699: Doctoral Dissertation Research	3-6	**Required research presentation in NEU 581/582	
		NEU 699: Doctoral Dissertation Research	

*\*Offered every other year*

**Students with an M.S.:** Students entering the program with an M.S. must have previously earned an M.S. (thesis required) in an appropriate discipline, a comprehensive exam, and a successful dissertation defense. Up to 30 transfer credits will be accepted for students who have already earned an M.S. degree.

**Students without an M.S.:** Students entering the program without an M.S. must successfully complete the Qualifying Exam. The Qualifying Exam is meant to be equivalent to the M.S. degree and an assessment of the student's potential to perform satisfactorily at the doctoral level and be an independent researcher. Therefore, students who did not earn a Master's degree prior to admission to the doctoral program are expected to take the examination no later than the first semester following the completion of eighteen credits of coursework.

A minimum of 64 credits is required for graduation; of these, 30 credits must be earned through required coursework, 9 credits of required electives (more may be taken), and 25 credits must be earned through dissertation research (NEU 699)(less can be taken if more elective credits are achieved). Registration in NEU 581 and 582 is required for one year (2 credits), and

successful completion of NEU 502, 503, 504, and NEU/PHT 511 are required. PSY/STA 532 or PSY 533 (or equivalent) and one additional statistics or computational analysis course (e.g., STA 502, 536, 541, 542, or 545) are required. Registration in journal club (NEU 587 or equivalent) is required for three semesters. Two semesters of NEU 591 are required, one in the student's primary area of research, and one in a related discipline. Depending on a student's previous training and experience, certain requirements may be waived at the discretion of the student's dissertation committee and the Graduate School. In the final semester, a formal presentation of thesis research is recommended in NEU 581 or 582. Students may use either standard or manuscript format for their dissertation.

	<b><u>Elective/Transfer/M.S. Work</u></b>	<b>Cr/Semester</b>	<b>From</b>
<b><u>Sample:</u></b>	<b>Course</b>	<b><u>1 cr,</u></b>	
	<b><u>PHC 502: Drug Development</u></b>	<b><u>transfer</u></b>	<b><u>M.S. transfer work</u></b>

**Coursework to 64 credits for Graduation**

**Required Coursework (30 cr.)**

- NEU 502, 503, 504, 511, 581, 582 = 15 cr.
- PSY 532 + additional Statistics course = 6 cr.
- NEU 591 = two semesters of 2-3 cr. = 4-6 cr.
- NEU 587 = three semesters of 1 cr. = 3 cr.

Student Signature

**Dissertation Research (25 cr.)**

- NEU 699 (1-6 cr.)

Faculty Signature

**Elective Coursework (9 cr.)**

- Varied, see elective course list.
- If more than 9 crs. are taken, less Dissertation research credits are required.

Date:

**Total:**