

PROGRAM: PHD IN NEUROSCIENCE

Year 1 Fall Semester			Year 1 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL 503*	Introduction to Neuroscience	3	BIOL 612*	Neurochemistry	3
BIOL 590*	Professional Development I	2	BIOL 521*	Molecular Biology	3
BIOL 535*	Current Techniques in Biology	3	BIOL 591*	Professional Development II	1
BIOL 604	Scientific Integrity	1			
	Total Credits	9		Total Credits	7

Year 2 Fall Semester			Year 2 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL 610*	Functional Neuroanatomy	3	BIOL 622*	Physiology of Excitable Cells	3
BIOL 505*	Experimental Design and Biostatistics	3	BIOL xxx+	Neuroscience Elective	3
BIOL 690*	Thesis Research I	2	BIOL 691*	Thesis Research II	2
	Current Topics I	1		Current Topics II	1
	Total Credits	9		Total Credits	9

Year 3 Fall Semester			Year 3 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL 520#	Cell Biology	3	BIOL 521#	Molecular Biology	3
BIOL 650# or CHEM 521 or CHEM 671	Biological Mechanisms or Advanced Biochem or Bioorganic Chem	3	BIOL xxx	Neuroscience Elective	3
BIOL 603	Strategies for Effective Teaching in Biology	1	BIOL 800 ^s	Dissertation Research	3
BIOL 692	Thesis Research III	2			
	Total Credits	9		Total Credits	9

Year 4 Fall Semester			Year 4 Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL xxx	Neuroscience Elective	3	BIOL 800 ^s	Dissertation Research	2
BIOL 800 ^s	Dissertation Research	3			
	Total Credits	6		Total Credits	2

	Total Credits: 60
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*Denotes a Core Requirement

Must take 2 of the three foundation courses

+Denotes an elective

^sAfter passing QE exam
 Total Core Credits = 18

Total Foundation/Elective Credits = 18

Candidacy Requirement: Proposal Defense with Thesis Committee, Passing Qualifier Exams 1 and 2, teaching experience (approved by Research Advisor and Graduate Program Director) submission of examination results, research plan with Candidacy application to the School of Graduate Studies

Capstone or Culminating Experience: Public dissertation presentation and Oral defense of Research Thesis