

# Graduate Degree Plan

## PhD in Neuroscience

Students Starting Academic Year: 2020-2021

<b>General Degree Requirements:</b>				
<ul style="list-style-type: none"> <li>• Completion of at least 180 term hours</li> <li>• At least 30 of those term hours must be in Didactic courses</li> <li>• Completion of at least three terms of Research Rotation</li> <li>• Students must maintain satisfactory academic progress as detailed in the Student Handbook</li> </ul>				
<b>Year One Requirements:</b>				
Term 1:	GS-NE-5111	Neuroscience Lab 1	1	Total to Date 12 (6)
	GS-NE-6303	Electrical Signaling in the Brain	3 (Didactic)	
	GS-NE-6304	Brain Cell Biology & Development	3 (Didactic)	
	GS-GS-5111	Strategies for Success in Graduate School	1	
	GS-GS-5101	Responsible Conduct of Research 1	1	
	GS-NE-5030	Research Rotation ± Electives	3	
	Total:			
Term 2:	GS-NE-6201	Analyses of Neuronal Function	2 (Didactic)	Total to Date 24 (11)
	GS-NE-6202	Anatomy of the Nervous System	2 (Didactic)	
	GS-NE-6112	Neuroscience Lab 2	1 (Didactic)	
	GS-NE-5100	Neuroscience Seminar Journal Club	1	
	GS-NE-5030	Research Rotation ± Electives	6	
	Total:			
Term 3:	GS-NE-6301	Neural Systems 1	3 (Didactic)	Total to Date 36 (16)
	GS-NE-6203	Genetics for Neuroscience	2 (Didactic)	
	GS-NE-5100	Neuroscience Seminar Journal Club	1	
	GS-NE-5030	Research Rotation ± Electives	6	
	Total:			
Term 4:	GS-NE-6302	Neural Systems 2	3 (Didactic)	Total to Date 48 (22)
	GS-NE-6101	Core Concepts in Computational Neuroscience	1 (Didactic)	
	GS-NE-6204	Neurobiology of Disease	2 (Didactic)	
	GS-NE-5100	Neuroscience Seminar Journal Club	1	
	GS-NE	Research Hours ± Electives	5	
	Total:			
Term 5:	GS-NE	Research Hours ± Electives	12	Total to Date 60 (22)
	Total:			12
<b>Year Two Requirements:</b>				
Term 1:	GS-GS-6400	Foundations B: Biostatistics	2 (Didactic) <i>(two-term course)</i>	Total to Date
	GS-NE	Research Hours ± Electives	10	
Total:			12 (2)	72 (24)

Term 2:	GS-GS-6400	Foundations B: Biostatistics	2 (Didactic) <i>(two-term course)</i>	Total to Date
	GS-NE-5101	Preparing for your Neuroscience Qualifying Exam	1	
	GS-GS-5102	Responsible Conduct of Research 2	1	
	GS-NE-5100	Neuroscience Seminar Journal Club	1	
	GS-NE	Research Hours ± Electives	7	
	Total:			12 (2)
Term 3:	GS-NE-5100	Neuroscience Seminar Journal Club	1	Total to Date
	GS-NE	Research Hours ± Electives	11	
	Total:			12
<i>Student's Thesis Advisory Committee must be appointed by the end of Term 3 in the student's second year of enrollment.</i>				
Term 4:	GS-NE-5100	Neuroscience Seminar Journal Club	1	Total to Date
	GS-NE	Research Hours ± Electives	11	
	Total:			12
Term 5:	GS-NE	Research Hours ± Electives	12	Total to Date
			12	120 (26)
<i>Four additional didactic hours are required for a total of thirty (30)</i>				
<b>Qualifying Exam Requirement:</b>				
<ul style="list-style-type: none"> <li>• Must be taken by the end of the second year of enrollment.</li> <li>• Student must complete all prerequisite activities defined by their program before taking the exam</li> </ul>				
<b>Course Requirements beyond Year Two:</b>				
Year 3, Term 3:	GS-GS-5103	Responsible Conduct of Research 3		1
Year 4, Term 3:	GS-GS-5104	Responsible Conduct of Research 4		1
<b>Recurring requirements through Graduation:</b>				
Terms 1-5:	GS-NE-5050	Dissertation		As required*
<i>*Students shall enroll in the number of credits of Dissertation needed to be enrolled full-time (12 credits) each term through Graduation.</i>				
<b>Research Course Work:</b>				
GS-NE-5010 Readings				
GS-NE-5030 Research Rotation				
GS-NE-5040 Special Projects				
GS-NE-5050 Dissertation				
<b>Additional Neuroscience Courses*:</b>				
GS-NE-5201 Advanced Functional MRI				
GS-NE-6305 Concepts of Learning & Memory				
GS-NE-6306 Cellular Neurophysiology				
GS-NE-6307 Physiology of the Visual System				
GS-NE-6401 Fundamentals of Human Neuroimaging				
<i>*Students may select electives from open course options in all graduate programs. Courses may be viewed in the <a href="#">Graduate Student Bulletin</a></i>				