Name: _____ **Year:** _____ **Major(s):** **NEUROSCIENCE**

NEW College Core Requirements

Semester Taken	Requirement	Fulfilled by (Course)
	CIE-100	
	CIE-200	
Three courses. One course satisfying each of the following learning goals. No more than two can be taken within a student's major department.		
	DN Engage diversity and inequality	
	GN Examine global interconnections	
	O Consider obligations	
One course satisfying each of the Ways of Asking requirements, except for the A requirement which can be fulfilled by one three- or four- credit course, or a total of four credits over multiple semesters. Although typically courses *only will have one of these designations, a single course under question 3 can fulfill multiple question 3 or a combination of question 2 and 3 requirements.*		
	A Artistic/performance	
	R Deductive reasoning *(was M Math)*	
	H Humanistic inquiry	
	Q Quantitative reasoning	NEUR-200WQ (if offered) Research Methods/Techniques in Neuroscience **(Q)**
	S Scientific inquiry/experimentation	
	SS Social scientific inquiry	NEUR/PSYC-330 and 332 **(SS)**
Two courses, both in the same language, satisfying the requirement:		
	L Foreign Language	
	L Foreign Language	
Linked Inquiry requirement - Satisfied by completing one of the following: Team-taught course or Paired courses (learning community)		
	LINQ Linked Inquiry requirement	
Satisfied by completing any course designated CCAP.		
	CCAP Core Capstone	
Experiential Learning Project (XLP) by completing independent research, an internship, study abroad, or civic engagement.		
	XLP Experiential Learning Project	

Neuroscience Major Requirements

Neuroscience Core (2 courses)

Semester Completed	Course	Course Title (Designation)
	NEUR-100	Fundamentals of Neuroscience
	NEUR-200WQ (if offered)	Research Methods and Techniques in Neuroscience **(Q)**

Interdisciplinary Foundation (7 courses) Note: Students interested in a more traditional background to Neuroscience are encouraged to choose the Chemistry Foundation. Students interested in more mathematical aspects of Neuroscience (e.g., modeling, biomechanics, etc.) are encouraged to choose the Physics Foundation.

Semester Completed	Course	Course Title (Designation)
Biology Foundation (3 courses)		
	BIO-101Q	Issues in Ecology and Evolution **(S)**
	BIO-102Q	Cell Biology **(S)**
	BIO-201W	Genetics
Psychology Foundation (2 courses)		
	NEUR/PSYC-330	Behavioral Neuroscience **(SS)**
	NEUR/PSYC-332	Cognitive Neuroscience **(SS)**
Chemistry or Physics Foundation (2 courses): select two Chemistry OR two Physics courses		
	^CHEM-107/107LQ **AND** ^CHEM-108/108L	General Chemistry I **(S)**
		General Chemistry II
	^PHYS-111Q **AND** PHYS-112	General Physics I **(S)**
		General Physics II **(S)**

Advanced Courses (2 courses): at least one must be completed in junior or senior year. Neuroscience majors fulfill the oral presentation and capstone requirement by completing two advanced research courses (one in biology and one in psychology).

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Semester	Course	Course Title (Designation)
Biology (1 course): select one course		
	^NEUR/BIO-431W **OR** ^433W **OR** ^435W	Cellular **OR** Molecular **OR** Developmental Neurobiology
Psychology (1 course): select one course		
	^NEUR/PSYC-430W **OR** ^432W	Advanced Research Methods in Behavioral **OR** Cognitive Neuroscience

Breadth Courses (3 courses): Neuroscience majors must take a minimum of 3 approved breadth courses. Only one 4-credit, on-campus research course may be used to satisfy the breadth requirement (i.e., NEUR-481, 482, 491W, 492W). Students may not use courses to fulfill both the Breadth requirement as well as either the Interdisciplinary Foundation or Advanced Research Course credit. Students are encouraged to take advantage of the interdisciplinary nature of the neuroscience major and choose breadth courses from multiple departments.

Semester	Course	Course Title

Course	Course Title (Designation)	Course	Course Title (Designation)
NEUR/BIO-225	Glial Cell Biology	CHEM 207/207L	Organic Chemistry I and Lab
NEUR/PSYC-230	Sensation and Perception	CHEM 208/208L	Organic Chemistry II and Lab
NEUR-350	Special Topics in Neuroscience	CS-170Q	In Silico, Designing Simulations via Computer Science **(S,R)**
NEUR-382	Internship **(XLP)**	CS-173	Introduction to Computer Science **(Q, R)**
^NEUR/PSYC-430W	ARM in Behavioral Neuroscience	DANC-340	The Thinking Body: Somatic Theory and Practice **(A)**
^NEUR/BIO-431W	Cellular Neurobiology	HEP/BIO-205	Human Anatomy & Physiology I **(S if taken with 205L)**
^NEUR/PSYC-432W	ARM in Cognitive Neuroscience **(S)**	HEP-351	Structural Kinesiology **(S)**
^NEUR/BCMB/BIO-433W	Molecular Neurobiology	MATH-235	Linear Algebra **(R)**
^NEUR/BIO-435W	Developmental Neurobiology **(O, S)**	MATH/PHIL-260	Logic **(R)**
NEUR/PSYC-464	Seminar: Psychopharmacology	PHIL-246	Biomedical Ethics **(H, DN)**
NEUR/PSYC-466	Seminar: Neurodiversity and the Autism Spectrum	PHIL-274	Philosophy of Mind **(H)**
NEUR-481W **or** 482W	Independent Research in Neuroscience **(XLP)**	PHIL-278	Theory of Knowledge **(H)**
NEUR-485 **or** 486	Off-campus Research **(XLP)**	*PHIL-309	Advanced Topics in Philosophy **(H, O)**
NEUR-491W **or** 492W	Independent/Honors Research in Neuroscience **(XLP)**	PHIL-364	Philosophy of Language **(H)**
BCMB-351 **or** CHEM-347	Biochemistry I **OR** Fundamentals of Biochemistry	PHIL-374	Consciousness and Thought **(H)**
BIO-224	Within the Cell: Further Explorations in Cell Biology & Genetics	@PHYS-111Q	General Physics I **(S)**
BIO-305	Human Anatomy and Functional Morphology	@PHYS-112Q	General Physics II **(S)**
BIO-306 **or** BIO-349	Human Physiology **OR** Experimental Physiology	PSYC-220	Mental Health and Abnormal Psychology
BIO/NEUR-333	Stem Cell Biology **(O)**	PSYC-232	Learning
BIO-346	Developmental Biology	PSYC-240	Lifespan Development
*BIO-350	Selected Topics in Biology	*PSYC-275	Special Topic in Psychology
BIO-449W	Immunology	PSYC-320	Psychopathology and Psychotherapy
BIO-459W	Virology	PSYC-340	Child Development
+CHEM-107/107LQ	General Chemistry I and Lab **(S, if taken with CHEM-107LQ.)**	PSYC-460	Seminar: Depression
+CHEM 108/108L	General Chemistry II and Lab	*PSYC-475	Seminar: Special Topic in Psychology
		STAT-243W	Biostatistics **(R)**

Notes:

^A student taking NEUR/PSYC-430W, NEUR/BIO-431W, NEUR/PSYC-432W, NEUR/BCMB/BIO-433W, or NEUR/BIO-435W may not use the course to count as credit towards both the advanced research courses and breadth courses.

*BIO-350, PHIL-309, *PSYC-275, *PSYC-475 may be used as a major elective when the topic(s) covered are related to Neuroscience. Approval of the Neuroscience Coordinator required.

+A student taking CHEM-107/107LQ or CHEM-108/108LQ may not use the course to count as credit towards both the chemistry foundation and breadth courses.

@A student taking PHYS-111Q/112Q may not use the course to count as credit towards both the physics foundation and breadth courses.