

Name: _____

Year: _____

Major(s): Neuroscience**College Core Requirements**

Semester Completed	Course	Course Title
	CIE-100	Common Intellectual Experience I
	CIE-200	Common Intellectual Experience II
	Language:	
	Language:	
	Math:	
	LS/Q: BIO-101Q	Issues in Ecology and Evolution (LS, Q)
	SS: NEUR/PSYC-330	Behavioral Neuroscience (SS)
	H:	
	D:	
	G:	
	A (3-4 cr):	
	ILE:	

Credits (128 needed)

Year	Fall	Spring	Total
Freshman Year			
Sophomore Year			
Junior Year			
Senior Year			

Neuroscience Major Requirements**Neuroscience Core (2 courses)**

Semester Completed	Course	Course Title (Designation)
	NEUR-100	Fundamentals of Neuroscience
	NEUR-200WQ	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 (LS, Q)
	BIO-102Q	Cell Biology (LS, Q)
	BIO-201W	Genetics (LS)
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-105/105LQ AND	General Chemistry I (LS, Q)
	^CHEM-106/106L OR	Organic Chemistry I (LS) OR
	^CHEM-206/206L	General Chemistry II (LS)
	^PHYS-111Q AND	General Physics I (LS, Q)
	PHYS-112	General Physics II (LS)

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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)

Semester	Course	Course Title (Designation)
Biology (1 course): select one course		
	^NEUR/BIO-431W OR ^433W OR ^435W	Cellular (LS) OR Molecular (LS) OR Developmental (LS) Neurobiology
Psychology (1 course): select one course		
	^NEUR/PSYC-430 OR ^432	Advanced Research Methods in Behavioral (LS) OR Cognitive (LS) 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 [previously]	Course Title (Designation)
NEUR/BIO-225	Glial Cell Biology
NEUR-350	Special Topics in Neuroscience
NEUR-382	Internship (ILE)
NEUR/PSYC-464 [PSYC-495/NEUR-350]	Seminar: Psychopharmacology
NEUR/PSYC-466 [PSYC-495/NEUR-350]	Seminar: Neurodiversity and the Autism Spectrum
NEUR-481W, 482W, 491W OR 492W	Independent/Honors Research in Neuroscience (ILE)
NEUR-485 AND 486	Off-campus Research (ILE)
BCMB-351 OR CHEM-347	Biochemistry I OR Fundamentals of Biochemistry (LS)
BIO-305	Human Anatomy and Functional Morphology
BIO-306 OR BIO-349	Human Physiology OR Experimental Physiology (LS)
*BIO-350	Selected Topics in Biology
CHEM-205/205L	Organic Chemistry II (LS)
CS-170Q	In Silico, Designing Simulations via Computer Science (LS, Q)
CS-173	Introduction to Computer Science
DANC-340	The Thinking Body: Somatic Theory and Practice (A)
HEP-351	Structural Kinesiology (LS)
MATH-235	Linear Algebra (M)
MATH/PHIL-260	Logic (M)
PHIL-274	Philosophy of Mind (H)
PHIL-278	Theory of Knowledge (H)
*PHIL-309	Selected Topics in Philosophy (H)
PHIL-364	Philosophy of Language (H)
PHIL-374	Consciousness and Thought (H)
PSYC-220 [260]	Mental Health and Abnormal Psychology
PSYC-230 [320]	Sensation and Perception
PSYC-232 [340]	Learning
*PSYC-275	Special Topic in Psychology
PSYC-320 [450]	Psychopathology and Psychotherapy
PSYC-340 [345]	Child Development
*PSYC-475 [495]	Seminar: Special Topic in Psychology
STAT-243W	Biostatistics (M)

*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.

^Courses can be used as Breadth courses if not counted as major requirement.