

Tentative Neuroscience Course Offerings

Tier 1							
Course #	Units	Course Name	Prerequisite	Fall	Winter	Spring	Summer
CBNS 106	4	Introduction to Neuroscience	BIOL 005A, BIOL 005B, CHEM 001C	X	X	X	X
CBNS / PSYC 120	4	Cellular Neuroscience	CBNS 106		X	X	X
CBNS / PSYC 120L	4	Neuroscience Lab	CBNS 120/ PSYC 120 May be taken concurrently	X	X	X	X
CBNS 130L / PSYC 123L Alternative to 120L	4	Computational Neuroscience Lab	CBNS 120/ PSYC 120 May be taken concurrently		X	X	
PSYC 122L Alternative to 120L	4	Human Neuroimaging Lab	PSYC 122 May be taken concurrently	Check Schedule of Classes for course offerings			
CBNS / PSYC 124	4	Systems Neuroscience	CBNS 106 (minimum grade C-)	X	X		X

Tentative Neuroscience Course Offerings

Tier 2 (20 unit minimum)

Course #	Units	Course Name	Prerequisite	Fall	Winter	Spring	Summer
BIOL 178	4	Hormones and Behavior	BIOL 005C, CHEM 008C & CHEM 08LC, MATH 007B or 009B, PHYS 002C & PHYS 02LC, BCH 100 or BCH 110A			X	X
CBNS 101	4	Fundamentals of Cell Biology	CHEM 008C & CHEM 08LC. BCH 100 or BCH 110A: may be taken concurrently	X	X	X	X
CBNS 116	4	Human Neuroanatomy	CBNS 106 (minimum grade C-)			X	X
CBNS/PSYC 121	4	Developmental Neuroscience	CBNS 106	X			X
CBNS/PSYC 125	4	Neuropharmacology	CBNS 120	X			

Tier 2 continued (20 unit minimum)

Course #	Units	Course Name	Prerequisite	Fall	Winter	Spring	Summer
CBNS/PSYC 126	4	Neuroscience of Learning and Memory	CBNS 106 or PSYC 110	X			X
CBNS/PSYC 127	4	Behavioral Control Systems	CBNS 120. CBNS 124: highly recommended			X	
CBNS 129	4	Brain Control of Bodily Functions	CBNS 124 (minimum grade C-)			X	
CBNS 180	3	Molecular and Neural Mechanisms Underlying Natural Animal Behaviors	CBNS 106 and CBNS 124 (minimum grade C-) Class level: Senior Standing. CBNS 120 is recommended.	Check Schedule of Classes for course offerings			
CBNS 188	3	Neuromodulatory Mechanism of Behavior and Decision Making	CBNS 106 and CBNS 124 (minimum grade C-) Class level: Senior Standing. CBNS 120 is recommended.			X	
PSYC 112	4	Neural Mechanisms of Animal Behavior	CBNS 106 or PSYC 110 (minimum grade C-)		X		
PSYC 117	4	Cognitive Neuroscience of Memory and Consciousness	CBNS 106 or PSYC 110 (minimum grade C-)	X	X		
PSYC 122	4	Human Neuroimaging	CBNS 106 or PSYC 110 <i>concurrent enrollment with PSYC 122L optional</i>	Check Schedule of Classes for course offerings			
PSYC 129	4	Human Neuropsychology	PSYC 001, 002, 011 and 012 (minimum grade C-)		X	X	X
PSYC 136	4	Topics in Cognitive Neuroscience	CNNS 106 or PSYC 110 or PSYC 129 or PSYC 132 or PSYC 134 or PSYC 135 (minimum grade C-)	X		X	

Tentative Neuroscience Course Offerings

Tier 3 (10 unit minimum) Additional Tier 2 classes can be used in this category

Course #	Units	Course Name	Prerequisite	Fall	Winter	Spring	Summer
BCH 110B	4	General Biochemistry	BCH 110A (minimum grade C-)		X	X	
BCH 110C	4	General Biochemistry	BCH 110A (minimum grade C-) and BIOL 102. BCH 110B is highly recommended		X	X	
BCH 120	4	Topics in Human Biochemistry	BCH 100 (C+ grade) or BCH 110B (C- grade)	X		X	
BIOL 102	4	Introductory Genetics	BIOL 005B (minimum grade C-)	X	X	X	X
BIOL 105	4	Evolution	BIOL 005C (minimum grade C-) BIOL 102, BCH 100 or BCH 110A, MATH 007B or 009B, PHYS 002C & 02LC and STAT 010	X	X	X	X
BIOL 108	4	Population Genetics and Genomics	BIOL 005C, BCH 100 or BCH 110A, MATH 007B or 009B, PHYS 002C & 02LC and STAT 010	X			
BIOL 110	4	Biology of Human Problems	BCH 100 or BCH 110A, MATH 007B or 009B, PHYS 002C & 02LC and STAT 010	X			X
BIOL 171A	4	Human Anatomy	BIOL 005C, CHEM 001C/ CHEM 01LC, CHEM 008B / CHEM 08LB, MATH 007B or MATH 009B, PHYS 002B / PHYS 02LB	X			
BIOL 171B	4	Human Physiology 1	BIOL005C, CHEM 001C/ 01LC, CHEM 008C/ 08LC, MATH 007B or MATH 009B, PHYS 002B/02LB, BCH 100 or BCH 110A, STAT 010 and BIOL 171A		X		X

Tentative Neuroscience Course Offerings

Tier 3 continued (10 unit minimum)

Course #	Units	Course Name	Prerequisite	Fall	Winter	Spring	Summer
BIOL 171C	4	Human Physiology 2	BIOL 171B			X	
CBNS 108	4	Introduction to Developmental Biology	CHEM 008C & 08LC and BIOL 102			X	
CBNS/ENTX 150	4	Cancer Biology	BCH 110C or BIOL 107A or CBNS 101			X	
CBNS 165	4	Stem Cell Biology	CBNS 101		X		X
CBNS 197*** 9 unit max for research	1 to 4 per term	CBNS Research for Undergraduates	Sophomore standing and 1 course in CBNS or UD standing or consent of instructor. Repeatable.	X	X	X	X
CBNS 199*** 9 unit max for research	1 to 4 per term	CBNS Senior Research Undergraduates	Senior standing. Consent of instructor. Repeatable.	X	X	X	X
CS 170	4	Introduction to Artificial Intelligence	CS 100 (minimum grade C-) and CS 111	X	X	X	
PSYC 115	4	Drugs and Behavior	CBNS 106 or PSYC 110 (minimum grade C-)	Check Schedule of Courses for class offerings			
PSYC 130	4	Fundamentals of Learning and Conditioning	PSYC 001, 002, 011 and 012 (minimum grade C-)	Check Schedule of Courses for class offerings			
PSYC 132	4	Perception	PSYC 001, 002, 011 and 012 (minimum grade C-)		X	X	
PSYC 134	4	Cognitive Processes	PSYC 001, 002, 011 and 012 (minimum grade C-)	X		X	
PSYC 135	4	Psycholinguistics	PSYC 001, 002, 011 and 012 (minimum grade C-)	Check Schedule of Courses for class offerings			
BCH 110A	4	General Biochemistry, <i>if BCH 100 taken first</i>	BIOL 005C and CHEM 008C and CHEM 08LC (minimum grade C-)	X	X		

For full list of Tier 3 options, consult your Degree Audit.

Tentative Neuroscience Course Offerings

Psychology Lower Division

Course #		Course Name	Prerequisite	Fall	Winter	Spring	Summer
PSYC 001	4	Introductory Psychology	none	X	X	X	X
PSYC 002	4	Introductory Psychology	none	X	X	X	X
PSYC 011*	5	Psychological Methods: Statistical Procedures	MATH 006A or higher, PSYC 001 and PSYC 002 (minimum grade C-)	X	X	X	X
PSYC 012*	6	Psychological Methods: Research Procedures	ENGL 001B or WRIT 020 (minimum grade C.) MATH 006A or higher math, and PSYC 001 and PSYC 002 (minimum grade C-)	X	X	X	X
PSYC 110**	4	The Brain and Behavior	PSYC 001 (minimum grade C-)	X	X	X	X

NOTES: Psychology lower division is not required; however depending on the upper division courses of interest, may be needed to satisfy certain course prerequisites.

PSYC 011 and PSYC 012 are restricted to PSYC majors in first pass fall, winter and spring.

PSYC 001 and PSYC 002 may be used in the CNAS Breadth area for PSYC/ANTH/SOC or Additional Social Sciences

PSYC 011 may be used in the CNAS Breadth area as an Additional Social Science and to fulfill the STAT requirement

PSYC 110 is an elective and will contribute towards a student's units and GPA but **will not** satisfy a NURO degree requirement. PSYC 110 may fulfill some upper division prerequisites.