

## Major: Cognitive and Behavioral Neuroscience

UG Catalog 2025-2026

### Pathways to General Education Requirements (45 credits)

Concept 1F	_____ (3)	_____ (3)
Concept 1A	_____ (3)	
Concept 2	_____ (3)	_____ (3)
Concept 3	PSYC 1004 (3)	_____ (3)
Concept 4	BIOL 1105 (3)	BIOL 1106 (3)
Concept 5F	MATH 1025 (3)	_____ (3)
Concept 5A	STAT 3615 (3)	
Concept 6A	_____ (3)	
Concept 6D	_____ (3)	
Concept 7	_____ (3)	

### Neuroscience Core Requirements (25 credits)

CHEM 1035	General Chemistry	_____ (3)
CHEM 1036	General Chemistry	_____ (3)
NEUR 1004	Neuroscience Orientation Seminar	_____ (1)
NEUR 2025	Introduction to Neuroscience	_____ (3)
NEUR 2026	Introduction to Neuroscience	_____ (3)
NEUR 2035	Neuroscience Laboratory	_____ (1)
NEUR 2036	Neuroscience Laboratory	_____ (1)
NEUR 3044	Cell and Molecular Neuroscience	_____ (4)
NEUR 3084	Cognitive Neuroscience	_____ (3)
NEUR 4044	Neuroscience Senior Seminar	_____ (3)

### Cognitive and Behavioral Neuroscience Major Requirements (9 credits)

NEUR 3144	Mechanisms of Learning and Memory	_____ (3)
NEUR 3594	Neurobiology of Psychiatric Disorders	_____ (3)
NEUR 3914	Neuroscience of Drug Addiction	_____ (3)

### Restricted Electives (27 credits)

BIOL 1115	Principles of Biology Lab	_____ (1)
BIOL 1116	Principles of Biology Lab	_____ (1)
CHEM 1045	General Chemistry Lab	_____ (1)
CHEM 1046	General Chemistry Lab	_____ (1)
CHEM 2535	Organic Chemistry	_____ (3)
CHEM 2536	Organic Chemistry	_____ (3)
CHEM 2545	Organic Chemistry Lab	_____ (1)
CHEM 2546	Organic Chemistry Lab	_____ (1)
CHEM 4615	Physical Chemistry	_____ (3)
CHEM 4616	Physical Chemistry	_____ (3)
NEUR 2074	Translational Neuroscience	_____ (3)
NEUR 2364	Mind Altering Substances from Nature	_____ (3)
NEUR 2464	Neuroscience and Society	_____ (3)
NEUR 2554	Experimental Neuroscience	_____ (3)
NEUR 2594	Exploring Clinical Neuroscience	_____ (3)
NEUR 3034	Global Perspectives Pre-Departure	_____ (2)

NEUR 3054	Brain-Body Interactions in Health and Disease	_____	(3)
NEUR 3074	Evolutionary Neuroscience	_____	(3)
NEUR 3234	The Artificial Brain	_____	(3)
NEUR 3604	Neurobiochemistry	_____	(3)
NEUR 3704	Human Anatomy & Physio w/ Neuro Focus	_____	(4)
NEUR 3774	Neuroendocrinology	_____	(3)
NEUR 3844	Computational Neuro & Neur Engineering	_____	(3)
NEUR 3944	War and the Brain	_____	(3)
NEUR 4034	Diseases of the Nervous System	_____	(3)
NEUR 4054	Developmental Neuroscience	_____	(3)
NEUR 4064	Neuropharmacology	_____	(3)
NEUR 4244	Motor Control: Build, Break, Repair	_____	(3)
NEUR 4314	Genetics in Neuroscience	_____	(3)
NEUR 4364	Neuroscience of Lang and Comm Disorders	_____	(3)
NEUR 4454	Neuroeconomics	_____	(3)
NEUR 4514	Neuroimmunology in Health and Disease	_____	(3)
NEUR 4594	Clinical Neuroscience in Practice	_____	(3)
NEUR 4814	Nutritional Neuroscience	_____	(3)
NEUR 4914	Drug Development in Neuroscience	_____	(3)
NEUR 4994	Undergraduate Research	_____	(3)
PHYS 2205	General Physics	_____	(3)
PHYS 2206	General Physics	_____	(3)
PHYS 2215	General Physics Lab	_____	(1)
PHYS 2216	General Physics Lab	_____	(1)
PHYS 4714	Introduction to Biophysics	_____	(3)
STAT 3616	Biological Statistics	_____	(3)

**Free Electives (14 credits)** Complete remaining credit hours to satisfy 120 credit hour degree requirement.

XXXX XXXX	_____	_____	(X)
XXXX XXXX	_____	_____	(X)
XXXX XXXX	_____	_____	(X)
XXXX XXXX	_____	_____	(X)
XXXX XXXX	_____	_____	(X)

**Acceptable Substitutions**

<b>Required Course(s)</b>	<b>Acceptable Substitution(s)</b>
CHEM 1035-1036 series	CHEM 1055-1056 series General Chemistry for Majors
CHEM 1045-1046 series	CHEM 1065-1066 series General Chemistry Lab for Majors
CHEM 2535-2536 series	CHEM 2565-2566 series Principles of Organic Chemistry
CHEM 2545-2546 series	CHEM 2555-2556 series Org Syn Tech Lab
MATH 1025	MATH 1225 Calculus of a Single Variable
NEUR 1004	Any University-approved First Year Experience Course
NEUR 3604	BCHM 2024 Concepts of Biochemistry <i>or</i> BCHM 3114 Biochemistry for Biotechnology

NEUR 3704

BMSP 2135 + 2136 + 2145 + 2146 Human Anatomy & Physiology with labs (8)  
*or* ALS 2304 Comparative Animal Physiology and Anatomy (4)

PHYS 2205, 2215

PHYS 2305 Foundations of Physics

PHYS 2206, 2216

PHYS 2306 Foundations of Physics

STAT 3615-3616 series

STAT 3005-3006 series