

# Neuroscience (B.S.) – Biopsychological Track

2025-2026 Academic Catalog, Bachelor of Science – Neuroscience, Biopsychological Track

Academic Core for B.S.			44 Hours	Neuroscience		56 Hours
CHRISTIAN STUDIES			6	B.S. NEUROSCIENCE MAJOR REQUIRED COURSES		46
CSBS 1311	Engaging the Old Testament		3	BIOL 1350	Biology for Science Majors I	3
CSBS 1312	Engaging the New Testament		3	BIOL 1150	Biology for Science Majors I Lab	1
ENGLISH			9	BIOL 1360	Biology for Science Majors II	3
ENGL 1321	Rhetoric & Composition I		3	BIOL 1160	Biology for Science Majors II Lab	1
ENGL 1322	Rhetoric & Composition II		3	BIOL 2340	Human Anatomy & Physiology I	3
ENGL	Literature		3	BIOL 2140	Human Anatomy & Physiology I Lab	1
A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.				BIOL 2341	Human Anatomy & Physiology II	3
				BIOL 2141	Human Anatomy & Physiology II Lab	1
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES			2	BIOL 3310	Genetics	3
EXAC	Activity Course		1	BIOL 3110	Genetics Lab	1
EXAC	Activity Course		1	NSCI 3310	Neuroscience Foundations	3
FINE ARTS – SELECT ONE			3	NSCI 3320	Biological Basis of perception & Movement	3
ARTS 1310	Drawing I		3	NSCI 3330	Cognitive Neuroscience	3
ARTS 1320	Design		3	BIOL 4340	The Addicted Brain	3
ARTS 1350	Art Appreciation		3	NSCI 4180	Neuroscience Seminar	1
ARTS 2360	Ceramics I		3	NSCI 4180	Neuroscience Seminar	1
COMM 2335	Film Appreciation		3	NSCI 4180	Neuroscience Seminar	1
FINA 2330	Exploring the Fine Arts		3	NSCI 4180	Neuroscience Seminar	1
MUSI 1340	Music Appreciation		3	NSCI 4195	Neuroscience Capstone Seminar	1
THEA 2350	Theatre Appreciation		3	NSCI 4320	Clinical Neuropathology	3
WORLD CULTURES – SELECT ONE			3	MATH 1306	College Algebra or higher	3
ARTS 2354	World Art		3	PSYC 3315	Abnormal Psychology	3
EXSS 2353	Lifespan Nutrition		3	BIOPSYCHOLOGICAL TRACK		10
GLBL 2310	Cultural Immersion		3	PSYC 2314	Research Methods for the Social Science	3
HIST 1311	History of World Civilizations to 1500		3	PSYC 3333	Sensation and Perception	3
HIST 1312	History of World Civilizations since 1500		3	PSYC 3133	Sensation and Perception Laboratory	1
HIST 2350	An Introduction to the Politics and Culture of Ancient Greece and Rome		3	PSYC 3350	Cognition	3
HUMA 2355	Foundations of the Humanities		3	Electives		20 Hours
MUSI 2358	World Music		3	ELECTIVES		20
PHIL 2315	Introduction to Philosophy		3	You need 20 additional hours to reach your minimum 120 required hrs.		
LAB SCIENCE			8	Total Hours		
CHEM 1410	General Chemistry I		4	Academic Core for B.S.		
CHEM 1420	General Chemistry II		4	B.S. Neuroscience Major Required Courses		
PUBLIC SPEAKING			3	Biopsychological Track		
COMM 1320	Public Speaking		3	Electives		
MATHEMATICS			3	Total hours required for graduation		
MATH 2303	Statistics		3	120		
RESEARCH METHODS OR INTERNSHIP			0	Additional Graduation Requirements		
Fulfilled in the major				Minimum total earned hours		
SOCIAL SCIENCE			3	Minimum Upper Level hours		
PSYC 1301	General Psychology		3	Minimum hours taken at UMHB		
US HISTORY OR US GOVERNMENT – SELECT ONE			3	Minimum Upper Level hours taken at UMHB		
HIST 2311	American History to 1877		3	Minimum cumulative GPA		
HIST 2312	American History since 1877		3	2.00		
POLS 2305	United States Government		3			
POLS 2306	Texas State and Local Government		3			
FRESHMAN SEMINAR			1			
UMHB 1101	Freshman Seminar		1			
CHAPEL – 1 to 4 credits						
UMHB 1002	Chapel					
Fine Arts Experience – 2 to 8 credits						
UMHB 1005	Fine Arts Experience					

# Neuroscience (B.S.) – Biopsychology Track

2025-2026 Academic Catalog, Bachelor of Science – Neuroscience, Biopsychology Track – DEGREE SEQUENCE

## FRESHMAN FALL 15 Hours

BIOL 1350/1150	Biology for Science Majors I	4
CHEM 1410	General Chemistry I	4
MATH 1306	College Algebra	3
ENGL 1321	Rhetoric & Composition I	3
UMHB 1101	Freshman Seminar	1
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

## FRESHMAN SPRING 15 Hours

BIOL 1360/1160	Biology for Science Majors II	4
CHEM 1420	General Chemistry II	4
PSYC 1301	General Psychology	3
ENGL 1322	Rhetoric & Composition II	3
EXAC	Activity Course	1
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

## SOPHOMORE FALL 14 Hours

PSYC 2314	Research Methods for the Social Science	3
<b>NSCI 3310</b>	<b>Neuroscience Foundations*</b>	<b>3</b>
NSCI 4180	Neuroscience Seminar	1
	Electives	3
ENGL	Literature	3
EXAC	Activity Course	1
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

## SOPHOMORE SPRING 16 Hours

COMM 1320	Public Speaking	3
<b>NSCI 3320</b>	<b>Biol Basis of Percept. and Movement*</b>	<b>3</b>
NSCI 4180	Neuroscience Seminar	1
<b>PSYC 3350</b>	<b>Cognition</b>	<b>3</b>
MATH 2303	Statistics	3
	Fine Arts	3
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

## JUNIOR FALL 16 Hours

BIOL 2340/2140	Human A & P I	4
BIOL 3310/3110	Genetics	4
	Electives	4
<b>NSCI 3330</b>	<b>Cognitive Neuroscience*</b>	<b>3</b>
NSCI 4180	Neuroscience Seminar	1
UMHB 1005	Fine Arts Experience	0

## JUNIOR SPRING 15 Hours

BIOL 2341/2141	Human A&P II	4
	Electives	3
<b>PSYC 3333/3133</b>	<b>Sensation and Perception and Lab</b>	<b>4</b>
NSCI 4180	Neuroscience Seminar	1
<b>NSCI 4320</b>	<b>Clinical Neuropathology*</b>	<b>3</b>
UMHB 1005	Fine Arts Experience	0

## SENIOR FALL 13 Hours

	Electives (BIOL 3375/3175 recommended)	4
PSYC 3315	Abnormal Psychology	3
CSBS 1311	Engaging the Old Testament	3
	World Cultures	3
UMHB 1005	Fine Arts Experience	0

## SENIOR SPRING 16 Hours

<b>BIOL 4340</b>	<b>The Addicted Brain</b>	<b>3</b>
NSCI 4195	Neuroscience Capstone Seminar	1
	Electives	3
CSBS 1312	Engaging the New Testament	3
	Elective	3
	US History or Government	3
UMHB 1005	Fine Arts Experience	0

•All courses in **BOLD** are offered only in the Fall or Spring semester as indicated.

•All courses with an asterisk are offered online through LCMC/RIZE

**Total Credit Hours: 120**