

BACHELOR OF SCIENCE

Neuroscience



This program will be offered beginning in fall 2022 pending final approval by our regional accrediting agency, the Higher Learning Commission.

ABOUT THE PROGRAM

The Bachelor of Science in Neuroscience program, taught through the lens of biology and psychology, provides students a deep understanding of the mind and prepares them for a broad range of career paths in health care.

STUDENT OUTCOMES

In our neuroscience program, you'll build the skills and knowledge you need to succeed, including:

- Understand a wide range of neurological phenomena including the senses, voluntary movement, emotions and a range of normal and abnormal behaviors
- Combine understanding from psychology, biology and neuroscience to distinguish cognitive processes, such as attention, memory and executive functioning
- Comprehend both historical and modern approaches to neuroscience and psychiatry for a variety of disorders
- Explain the biochemical and biophysical processes of neuronal transmission
- Understand the cellular mechanisms of action of drugs that affect the function of the central and peripheral nervous systems
- Critically analyze information from a variety of sources and effectively communicate their understanding to different audiences

ADVANCED OPPORTUNITIES

Your undergraduate education can serve as the foundation for graduate and advanced study in fields such as:

- Neuroscience
- Psychiatry
- Medicine

After graduating with a bachelor's in neuroscience you can pursue a career in:

- Counseling
- Research
- Therapy
- Law Enforcement
- Addiction Treatment
- Health Education
- Social Work
- Technical Writing

Visit uhsp.edu/academics to learn more about this and other programs at UHSP.

These academic programs profiles are produced for informational and promotional purposes. They are not intended to be comprehensive. Detailed admission, prerequisite and curricular requirements are outlined in the Academic Catalog, available at uhsp.edu/catalog.

CONNECT THROUGH CAREER SERVICES

The Center for Career Services and Education provides services to help students and alumni explore career options, build a personal brand and make connections.

Explore careers, prepare to enter the job market and continue to flourish with lifelong support from the Center for Career Services and Education.

Learn more at
uhsp.edu/careercenter.

DISCOVERY BEGINS HERE

At UHSP, students at every level have ever-expanding opportunities to engage in meaningful research alongside expert faculty and clinicians.

In 2020, we ranked No. 5 among all private pharmacy institutions in the American Association of Colleges of Pharmacy's (AACP) most recent Funded Research Grant Institutional Rankings Report.

Learn more at
uhsp.edu/research.

PROGRAM OF STUDY

Below is a sample four-year plan of study for the Bachelor of Science in Neuroscience program. Courses and time to complete the program varies based on each student's interests, course placements, earned credits and academic progress.

FIRST YEAR			
Fall Semester	15 credit hrs	Spring Semester	17 credit hrs
Biology I	4 credit hrs	Biology II	4 credit hrs
General Chemistry I	4 credit hrs	General Chemistry II	4 credit hrs
The Effective Writer	3 credit hrs	Writer as Advocate	3 credit hrs
Statistics for Health Sciences	3 credit hrs	Applied Calculus	3 credit hrs
Foundations of Learning	1 credit hr	Humanities, Literature or Fine Arts Elective	3 credit hrs
SOPHOMORE YEAR			
Fall Semester	17 credit hrs	Spring Semester	14 credit hrs
Human Anatomy	4 credit hrs	Human Psychology	4 credit hrs
Genetics	3 credit hrs	Organic Chemistry II	4 credit hrs
Organic Chemistry I	4 credit hrs	Sociology	3 credit hrs
Psychology	3 credit hrs	Health Care Communication	3 credit hrs
Humanities Elective	3 credit hrs		
JUNIOR YEAR			
Fall Semester	17 credit hrs	Spring Semester	16 credit hrs
Neuroscience Foundations	3 credit hrs	Biological Basis of Perception and Movement	3 credit hrs
Biochemistry I	4 credit hrs	Biochemistry II	3 credit hrs
Developmental Psychology	3 credit hrs	Cell Biology	3 credit hrs
Physics Elective	4 credit hrs	Physics Elective	4 credit hrs
Humanities, Literature or Fine Arts Elective	3 credit hrs	Case Studies in Abnormal Psychology	3 credit hrs
SENIOR YEAR			
Fall Semester	12 credit hrs	Spring Semester	12 credit hrs
Cognitive Neuroscience	3 credit hrs	Clinical Neuropathology	3 credit hrs
Pathophysiology	3 credit hrs	300- or 400-level Elective	3 credit hrs
Social Science Research Methods	3 credit hrs	Elective	3 credit hrs
Elective	3 credit hrs	300- or 400-level Elective	3 credit hrs
TOTAL: 120 CREDIT HOURS			



UNIVERSITY OF
**HEALTH SCIENCES
 & PHARMACY**
in St. Louis

NEXT STEPS

To learn more about our Bachelor of Science in Neuroscience or schedule a visit, contact the Office of Admissions at admissions@uhsp.edu or 314.446.8328.