

THE UNIVERSITY OF SCRANTON
COLLEGE OF ARTS & SCIENCES
NEUROSCIENCE

About the Program

Neuroscience is the study of the nervous system, particularly the workings of the brain. The neuroscience major is interdisciplinary, combining biology, psychology, chemistry and physics. Of critical importance is the study of diseases, which impact the brain and other areas of the nervous system.

Outcomes & Opportunities

- The University of Scranton offers big school opportunities with a small school atmosphere. This includes a broad area of courses and expertise in faculty research, student research projects that are interdisciplinary and supported by student research grants, and support for attendance at national conferences.
- Students work with individual faculty members to conduct research in specific areas of expertise to enhance student-learning outcomes.
- Neuroscience will take you into some of the most exciting and groundbreaking work of our time. Our graduates pursue careers in university research, medicine, health and education, as well as go on to other areas of advanced study.
- You will find Scranton neuroscience graduates at major medical and dental schools, such as Kimmel Medical College at Thomas Jefferson University, Drexel College of Medicine, Philadelphia College of Osteopathic Medicine, Katz School of Medicine at Temple University, Penn State Hershey Medical Center and Virginia Commonwealth University, to name a few.
- You will find Scranton neuroscience graduates at prestigious graduate schools such as Brown University, Cornell University, Thomas Jefferson University, University of Connecticut and West Virginia University, to name a few.

Ranked #8 nationally
for “Best Science Labs”
by The Princeton Review



SUCCESS AHEAD

admissions.scranton.edu/neuroscience

NEUROSCIENCE CURRICULUM

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FIRST YEAR			
MAJOR (GE NSCI)	BIOL 141 - (E) (FYOC, FYDT Lab only) General Biology (with lab) –		
	BIOL 142 - (E) (FYOC, FYDT Lab only) General Biology(with lab)*	4.5	4.5
MAJOR	NEUR 110 - Neuroscience Lab Rotations –		
	NEUR 111 - Neuroscience Research Literature	0.5	1
COGNATE	CHEM 112-113 - (E) General & Analytical Chemistry/CHEM 112L-113L	4.5	4.5
COGNATE (GE QUAN)	MATH 114 - (Q) Calculus I		4
MAJOR (GE S/BH)	PSYC 110 - (S) Fundamentals of Psychology	3	
GE WRTG	WRTG 107 - (FYW) Composition		3
GE FSEM	First Year Seminar ²		
GE T/RS	T/RS 121 - (P) Theology I: Introduction to the Bible	3	
		15.5	17
SECOND YEAR			
MAJOR	ELECT - Major Elective		3
MAJOR	NEUR 231 - (E) Behavioral Neuroscience	4.5	
MAJOR	PSYC 210 - (Q) Statistics in the Behavioral Sciences	3	
MAJOR	NEUR 330 - (EPW) Neuroscience Research Methods ¹		4
COGNATE ELECT	COGNATE ELECT - Cognate Electives	3-4.5	3-4.5
GE PHIL-T/RS	PHIL 120 - Introduction to Philosophy –		
	T/RS 122 - (P) Theology II: Introduction to Christian Theology	3	3
		13.5-15	13-14.5
THIRD YEAR			
MAJOR	NEUR 358 - Cellular & Molecular Neurobiology	3	
MAJOR	MAJOR ELECT – Major Electives	6-8	3-4
COGNATE ELECT	COGNATE ELECT - Cognate Electives	3	3-4
GE PHIL	PHIL 210 - Ethics		3
GE HUMN	HUMN ELECT - Humanities Electives	3	3
GE S/BH	S/BH ELECT - Social/Behavioral Elective		3
		15-17	15-17

	Department & Number - Descriptive Title of Course	Fall Cr.	Spr. Cr.
FOURTH YEAR			
MAJOR	NEUR 493 - Undergraduate Research in Neuroscience or		
	NEUR 490 - Neuroscience: Literature & Society I and		
	NEUR 491 - Neuroscience: Literature & Society II	3-1.5	0-1.5
COGNATE ELECT	COGNATE ELECT - Cognate Electives	6-8	
GE HUMN	HUMN ELECT - Humanities Electives	3	3
GE PHIL-T/RS	PHIL ELECT - Philosophy Elective or T/RS ELECT- T/RS Elective		3
GE ELECT	FREE ELECT - Free Electives	3	9
		14.5-18	16.5
		Total: 120-129 Credits	

CONTACT INFORMATION

Robert F. Waldeck, Ph.D., Director, Neuroscience Program

Tel: 570.941.4324 • Email: robert.waldeck@scranton.edu

1.888.SCRANTON or visit admissions.scranton.edu

¹ NEUR 330 fulfills one of the writing-intensive requirements of the general education program.

² The selection of a First Year Seminar is likely to fulfill requirements both for the First Year Seminar and a General Education Requirement. Thus, the First Year Seminar will not add to the total credits for the semester. Talk with your advisor if you have any questions.

*Successful completion of BIOL 141 Lab and BIOL 142 Lab satisfies the EP requirement.

Curriculum grid effective for the 2022-23 academic year in accordance with the undergraduate course catalog.