

ABOUT THE MAJOR

Neuroscience explores the nervous system, especially the brain's functions. This interdisciplinary major integrates biology, psychology, chemistry, and physics, emphasizing the study of diseases that affect the brain and nervous system. Students gain valuable research experience, preparing them for careers in healthcare, academia, and biotechnology.

CONTACT US

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🌐 admissions.scranton.edu/neuroscience



OUTCOMES & OPPORTUNITIES

- The University of Scranton combines big-school opportunities with a close-knit atmosphere, offering diverse courses, faculty expertise, interdisciplinary student research, grant support, and national conference participation — all enriching student learning.
- Neuroscience opens doors to groundbreaking discoveries and advancements. Graduates thrive in university research, medicine, health, and education, while many pursue further study in specialized fields.
- Scranton neuroscience graduates advance to top medical, dental, and graduate schools, including Thomas Jefferson, Drexel, Temple, and Penn State.



THE UNIVERSITY *of* SCRANTON

NEUROSCIENCE

120-129 Credits

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1st Year: FALL

COURSE#	COURSE TITLE	CREDITS
BIOL 141	General Biology	4
NEUR 110	Neuroscience Lab Rotations	0.5
CHEM 112/112L	General Chemistry	4.5
PSYC 110	Fundamentals of Psychology	3
First Year Seminar		0
T/RS 121	Theology I: Introduction to the Bible	3

Total Credits: 15.5

1st Year: SPRING

COURSE#	COURSE TITLE	CREDITS
BIOL 142	General Biology	4.5
NEUR 111	Neuroscience Research Literature	1
CHEM 113/113L	Analytical Chemistry	4.5
MATH 114	Calculus I	4
WRIT 107	Composition	3
First Year Seminar		0

Total Credits: 17

2nd Year: FALL

COURSE#	COURSE TITLE	CREDITS
NEUR 231	Behavioral Neuroscience	4.5
PSYC 210	Statistics in the Behavioral Sciences	3
COGNATE ELECT	Cognate Elective	3-4.5
PHIL 120	Introduction to Philosophy	3

Total Credits: 13.5-15

2nd Year: SPRING

COURSE#	COURSE TITLE	CREDITS
ELECT	Major Elective	3
NEUR 330	Neuroscience Research Methods	4
COGNATE ELECT	Cognate Elective	3-4.5
T/RS 122	Theology II: Introduction to Christian Theology	3

Total Credits: 13-14.5

3rd Year: FALL

COURSE#	COURSE TITLE	CREDITS
NEUR 358	Cellular and Molecular Neurobiology	3
MAJOR ELECT	Major Electives	6-8
COGNATE ELECT	Cognate Elective	3
HUMN ELECT	Humanities Electives	3

Total Credits: 15-17

3rd Year: SPRING

COURSE#	COURSE TITLE	CREDITS
MAJOR ELECT	Major Electives	6-8
COGNATE ELECT	Cognate Electives	3-4
PHIL 210	Ethics	3
HUMN ELECT	Humanities Elective	3
S/BH ELECT	Social/Behavioral Elective	3

Total Credits: 15-17

4th Year: FALL

COURSE#	COURSE TITLE	CREDITS
NEUR 493	Undergraduate Research in Neuroscience or NEUR 490 Neuroscience: Literature and Society I	3-1.5
COGNATE ELECT	Cognate Electives	6-8
HUMN ELECT	Humanities Elective	3
FREE ELECT	Free Elective	3

Total Credits: 14.5-18

4th Year: SPRING

COURSE#	COURSE TITLE	CREDITS
NEUR 491	Neuroscience: Literature and Society II	0.1.5
HUMN ELECT	Humanities Elective or	3
PHIL ELECT	Philosophy Elective or	
T/RS ELECT	T/RS Elective	3
FREE ELECT	Free Electives	9

Total Credits: 16.5

This is a sample curriculum. Please refer to the Undergraduate Catalog at scranton.edu/catalog.