

NEUROSCIENCE

You're driving along when suddenly a car appears out of nowhere headed right at you. You slam on the breaks just in time to prevent a head-on crash. You may not realize it at the time but it wasn't your foot that saved you, it was your brain telling your body how to react. The study of neuroscience looks at everyday workings of the brain in order to better understand it and use that knowledge to search for the cure for complex conditions like Alzheimer's and Autism. If you are interested in understanding the underlying mechanisms in behavior, then neuroscience may be the major for you.

Neuroscience at King's

Neuroscience is an interdisciplinary field. As such, neuroscience majors at Kings enjoy a curriculum that spans disciplines, taking courses in subjects from biology and chemistry to physics and psychology. Neuroscience majors gain a strong foundation in science and humanities to tackle big questions in the field.

At King's, we recognize the important role that research plays in neuroscience. We understand that students who plan to attend graduate school after they complete their studies at King's need to be prepared to work in research labs. While some universities may reserve research opportunities for students in their junior and senior years, King's neuroscience majors have the opportunity to conduct research as early as their freshman year. By working side-by-side with faculty, students gain solid observation and research skills, making them better prepared to conduct their own original



research in their senior year.

Current research at King's is focusing on important areas of neuroscience; such as Parkinson's disease, and adolescent neurodevelopment. "Gaining hands-on experience is so essential for understanding the complexities of science," explains the founder of the neuroscience program, Dr. Joan Coffin. "This type of exposure is critical for any student who plans on pursuing a career in medicine or furthering their education in a Ph.D. program." Because of our unique research opportunities, many King's neuroscience majors present their research findings at national and international conferences, including Society for Neuroscience and NEURON (Northeast Undergraduate/Graduate Research Organization for Neuroscience)

Career Options

Students who graduate from King's neuroscience program are prepared to further their studies in various areas including medical research, neurology, pharmacology, forensic science, psychology, teaching and mental health.

Placement Highlights

Many of the same students who have enjoyed academic success at King's have attended some of the best medical and graduate schools in the country, including:

- Philadelphia College of Osteopathic Medicine
- Temple University School of Dentistry
- Tulane University
- University of Pennsylvania School of Veterinary Medicine

To learn more about majoring in Neuroscience at King's College, please contact the Office of Admission at 1-888-KINGS PA or admissions@kings.edu.

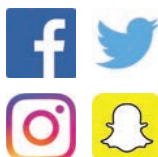
Neuroscience (120 Credit Hours)

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

1 st Year - Fall		cr.	1 st Year - Spring		cr.
BIOL 113 Evolution & Diversity		3	BIOL 210 Organisms & Their Ecosystems		3
BIOL 113L Evolution & Diversity Lab		1	BIOL 210L Organisms & Their Ecosystems Lab		1
CHEM 113 General Chemistry I		3	CHEM 114 General Chemistry II		3
CHEM 113L General Chemistry I Lab		1	CHEM 114L General Chemistry II Lab		1
Core Course		3	MATH 125 Calculus		4
Core Course		3	PSYC 101 Introduction to Psychology		3
HCE 101 Holy Cross Experience		1			
		15			15
2 nd Year – Fall			2 nd Year – Spring		
NEUR 211 Neuroscience I		3	NEUR 212 Neuroscience II		3
CHEM 241 Organic Chemistry I		3	CHEM 242 Organic Chemistry II		3
CHEM 241L Organic Chemistry I Lab		1	CHEM 242L Organic Chemistry II Lab		1
BIOL 213 Cell & Molecular Biology		3	Science Elective		4
BIOL 213L Cell & Molecular Biology Lab		1	Core Course		3
Core Course		3			
		14*			14*
3 rd Year – Fall			3 rd Year – Spring		
Science Elective		4	Science Elective		3-4
PSYC 220 Psychological Statistics		4	Core Course		3
Core Course		3	Core Course		3
Core Course		3	Core Course		3
Free Elective		3	Free Elective		3
		17			15-16
3 rd Year – Summer					
Free Elective		2-3			
4 th Year – Fall			4 th Year – Spring		
NEUR 310 Research Methods in Neuroscience		3	NEUR 480 Senior Seminar		3
Science Elective		3-4	Core Course		3
Core Course		3	Free Elective		3
Core Course		3	Free Elective		3
Free Elective		3	Free Elective		3
		15-16			15
Total Credits Required for Graduation = 120					

*The standard semester course load is five courses consisting of 15 – 17 credits. A student may take 18 credits if the science lab puts them over 17 credits (for more information about credit loads, please see the college catalog).



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For a complete list of King's-affiliated social media accounts visit:
kings.edu/socialmedia

kings.edu