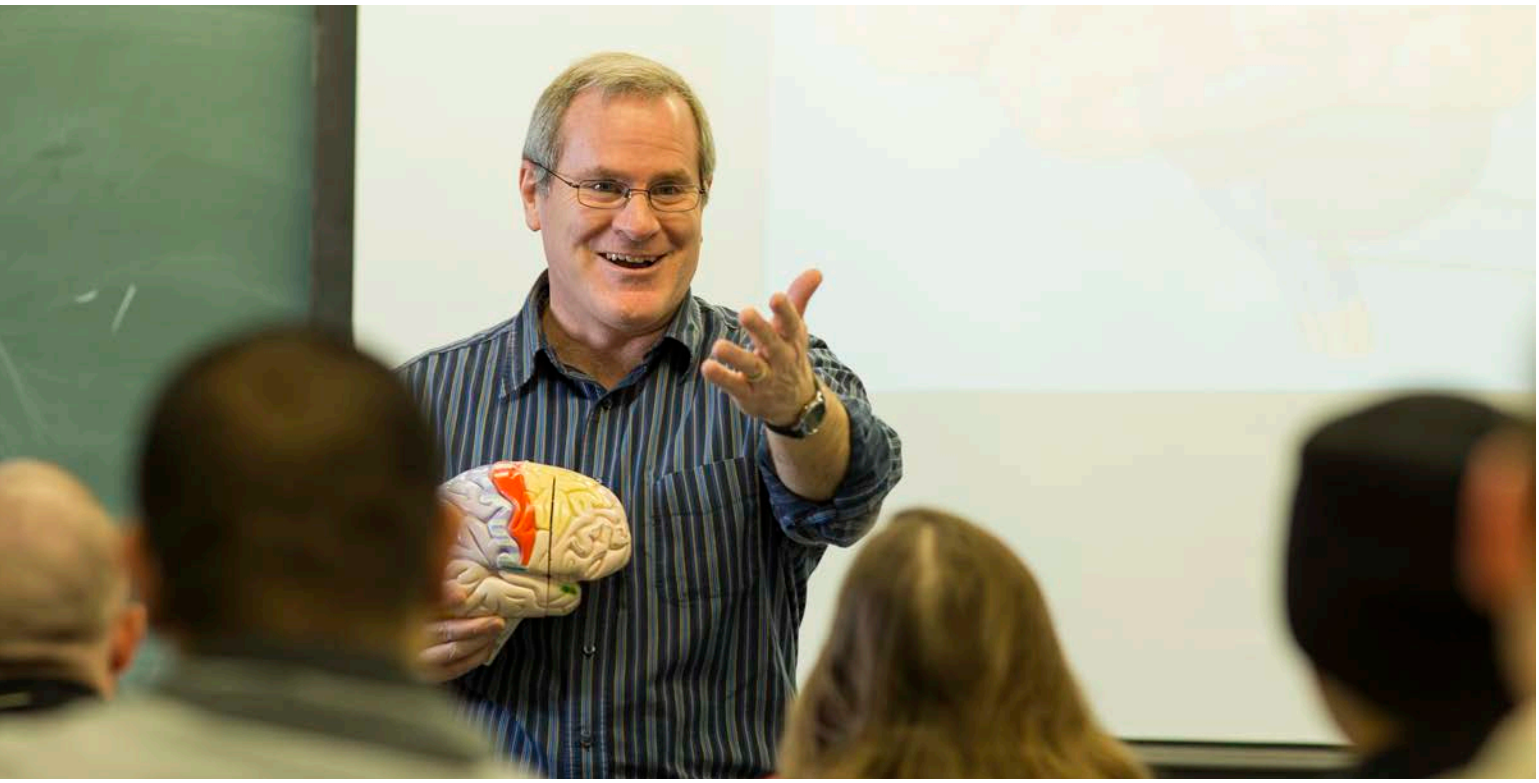
NEUROSCIENCE



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

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.

"Gaining hands-on experience is so essential for understanding the complexities of science," explains Dr. Joan Coffin, professor of neuroscience. "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. Their work has also been featured in USA Today and published in numerous publications.

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

- Use the information below as a guide when selecting courses.
- Consult your Academic Advisor prior to course registration.
- Refer to the King's College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed for Neuroscience Majors
  - ➢ CORE courses may be taken in any order approved by the academic advisor with the following conditions:
    - CORE 100 and CORE 110 should be taken in the first year.
    - CORE 115 (or 116) should be taken within the first two years.
    - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first semester at King's.

1st Year - Fall	cr.	1st Year - Spring	cr.
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
BIOL 113 Evolution & Diversity	3	BIOL 210 Organisms & Their Ecosystems	3
BIOL 113L Evolution & Diversity Lab	1	BIOL 210L Organisms & Their Ecosystems Lab	1
CORE	3	MATH 125 Calculus	4
CORE	3	CORE 154 Introduction to Psychology	3
CORE 090 First Year Experience	1		
	15		15
2nd Year – Fall		**2nd Year – Spring**	
BIOL 213 Cell & Molecular Biology	3	Science Elective	4
BIOL 213L Cell & Molecular Biology Lab	1	CORE	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
NEUR 211 Neuroscience I	3	NEUR 212 Neuroscience II	3
CORE	3		
	14		14
3rd Year – Fall		**3rd Year – Spring**	
Science Elective	3-4	Science Elective	3-4
MATH 128 Intro. To Statistics & Data Analysis	4	CORE	3
CORE	3	CORE	3
CORE	3	CORE	3
Free Elective	3	Free Elective	3
	16-17		16
4th Year – Fall		**4th Year – Spring**	
NEUR 310 Research Methods in Neuroscience	3	NEUR 480 Senior Seminar	3
Science Elective	3-4	CORE	3
CORE	3	CORE	3
CORE	3	Free Elective	3
Free Elective	3	Free Elective	3
	15-16		15
Total Credits Required for Graduation = 120			

KING'S COLLEGE
TRANSFORMATION. COMMUNITY. *HOLY CROSS.*

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