

# Linking Majors to Careers

## NEUROSCIENCE

# Neuroscience

Neuroscience is a rapidly expanding discipline in psychology and biology. Neuroscientists are involved in the study of brain and nervous system functions. Students who enter into neuroscience will help to discover basis of normal brain function in order to understand neurological and neuropsychiatric disease. Neuroscientists today are using advanced technology and techniques ranging from molecular genetics to brain imaging. Areas of study and research include sensory processing, memory, sleep disorders, epilepsy, and Alzheimer's.

▪ As neuroscience is a relatively new discipline, it is not limited to traditional areas of biology and psychology. However, most neuroscientists are involved in research, medicine and/or teaching. Wherever they work, they are involved in research and development, data collection, testing, and more.

▪ There are opportunities both in the public and private sectors.

**SKILLS:** The person who majors in **Neuroscience** at Regis University has the opportunity to learn a variety of **skills** such as:

- collecting and analyzing data
- conducting research
- preparing/writing reports
- making critical observations
- problem solving
- making oral presentations
- evaluating data
- gathering information
- learning research methodology
- keeping records

### **SOME TIPS ON GETTING A JOB IN THIS FIELD:**

1. Do an internship in the area of your interest.
2. Do undergraduate research with one of your professors. Students' work been published in Physiology and Behavioral Chemical Senses and have presented their research at the National Society for Neuroscience meeting.
3. Become a lab or teaching assistant.
4. Take advantage of the resources available at the local medical school or a school with a graduate program in neuroscience.
5. Join the Neuroscience Club to gain new information about the field and areas of study.
6. Do informational interviewing to get a better idea of jobs in your area. Career Services will be happy to help you get started.

**RELATED JOBS:** Graduates with a bachelor's degree can get beginning jobs as lab assistants and entry level analysis or testing. Advanced degrees are necessary to become involved in research, medicine, and teaching in colleges and universities. Listed below are some career fields neuroscientists may enter:

- |                              |                                |                        |
|------------------------------|--------------------------------|------------------------|
| neurologist*                 | optometrist*                   | ophthalmologist*       |
| psychologist*                | occupational therapist*        | speech therapist*      |
| rehabilitation therapist     | teacher*                       | genetic counselor*     |
| sports neurologist*          | physical therapist*            | tester                 |
| physician*                   | surgeon*                       | physician assistant*   |
| writer, technical/scientific | researcher                     | psychiatrist*          |
| neurophysiologist*           | behavioral pharmacologist*     | medical equipment      |
| salesperson                  | medical technologist           | clinical psychologist* |
| laboratory technician        | laboratory manager             | veterinarian*          |
| neurobiologist*              | behavioral medicine therapist* | sensory physiologist*  |
| drug counselor               | nurse*                         | neuroanatomist*        |

\*Usually requires a degree beyond the bachelor's level or additional training.

## **WEB SITES RELATED TO NEUROSCIENCE:**

Careers in Psychology <http://www.psywww.com/careers>  
Science Careers [recruit.sciencemag.org/](http://recruit.sciencemag.org/)  
Careers in Biotechnology [www.bio.org/speeches/pubs/er/](http://www.bio.org/speeches/pubs/er/)  
Careers in Social Work <https://www.socialworkers.org/students/default.asp>

## **INFORMATION WEBSITES:**

Society for Neuroscience [www.sfn.org](http://www.sfn.org)  
Journal of Undergraduate Neuroscience Education [www.funjournal.org](http://www.funjournal.org)