

SYSTEMS NEUROSCIENCE, B.S.

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

Begin Campus: Any Penn State Campus

End Campus: University Park

Career Paths

Students with an undergraduate degree in Systems Neuroscience are well-prepared for careers in a range of scientific, clinical, and technical fields that require a foundational understanding of neuroscience. Example areas of employment include: clinical neuroscience and healthcare, neuroscience research and laboratory support, biotechnology development, and pharmaceutical research and development. Many advanced career paths in neuroscience may require graduate or professional training. Students are encouraged to pursue experiential learning opportunities that enhance their understanding of the nervous system. These might include working in a neuroscience research lab, shadowing professionals in clinical neurology or psychiatry, or participating in internships in biotechnology development.

Careers

Examples of careers that Systems Neuroscience graduates might pursue* include:

- **Clinical Neuroscience and Health Care:** neuropsychologist, neurologist, psychiatrist, physician assistant, EEG technician, neuroimaging technician
- **Neuroscience Research and Laboratory Support:** research assistant, lab technician, study coordinator
- **Biotechnology:** neural engineer, computational neuroscientist, signal processing engineer
- **Pharmaceutical Industry:** clinical trials coordinator, medical science liaison, regulatory affairs specialist, pharmaceutical sales

*Note that some of these careers require further training (e.g., graduate degree) and/or licensure.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE SYSTEMS NEUROSCIENCE PROGRAM (<https://hhd.psu.edu/bbh/undergraduate/major-systems-neuroscience/careers>)

Opportunities for Graduate Students

Depending on your career goals, Systems Neuroscience students might consider pursuing graduate studies in neuroscience, biomedical sciences, or related research-focused fields (e.g., MS, PhD). Students may also pursue clinical graduate programs in medicine or allied health professions (e.g., MD, PA, PharmD) or professional degrees in areas such as public health or health policy and administration (e.g., MPH, MHA).

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://www.huck.psu.edu/graduate-programs/neuroscience>)

Professional Resources

- Society for Neuroscience (<https://www.sfn.org>)
- National Institutes of Health Neuroscience Resources (https://www.nichd.nih.gov/health/topics/neuro/more_information/resources)
- Brain Facts (<https://www.brainfacts.org>)
- American Academy of Neurology: Diversity, Equity, Inclusion (<https://www.aan.com/membership/diversity-equity-inclusion-at-aan>)