

Neuroscience, MS

LABMENMS

Recent breakthroughs have revolutionized our understanding of the biological basis of nervous system functions. Are you interested in learning more or in conducting innovative research in neuroscience? This program provides a foundation to help you start a career in a wide range of related fields.

Program description

Degree awarded: MS Neuroscience

The MS program in neuroscience provides advanced knowledge on fundamental neuroscientific concepts, the neurobiological substrates of behavior, and cutting-edge experimental techniques for studying brain function. An important underlying theme of the program is to understand the genetic, molecular, cellular and circuit-level changes associated with neurodegenerative diseases, altered brain development, and neuropsychiatric disorders.

In addition to mentored research opportunities with internationally recognized experts, students also have opportunities to explore recent primary literature and hone communication, presentation and professional skills.

GI Bill® benefits

This new program is not yet approved for use with GI Bill® benefits.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at <https://www.benefits.va.gov/gibill/>.

At a glance

- College/School: [The College of Liberal Arts and Sciences](#)
- Location: [Tempe](#)

Degree requirements

30 credit hours and a thesis

Required Core (5 or 6 credit hours)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

NEU 556 Human Systems Neuroscience (4) or NEU 576 Advanced Cellular and Molecular Neuroscience (3)

NEU 558 Neuroscience Journal Club (1)

Other Requirement (1 credit hour)

NEU 591 Seminar (1)

Research (9 credit hours)

NEU 592 Research (9)

Electives (8 or 9 credit hours)

Culminating Experience (6 credit hours)

NEU 599 Thesis

Additional Curriculum Information

Students choose either NEU 556 or NEU 576 as part of their core course requirements. Students who choose NEU 576 complete an additional credit hour of elective coursework in order to achieve the 30 credit hours required for the program. Students should contact the program advisor for a list of approved electives.

Students take NEU 599 in their last semester.

Admission requirements

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the life sciences, psychology, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

1. graduate admissions application and application fee

2. official transcripts
3. personal statement
4. professional resume
5. three letters of recommendation
6. proof of English proficiency

Additional Admission Information

An applicant whose native language is not English must provide [proof of English proficiency](#) regardless of current residency.

Applicants will need to provide three letters of recommendation from people who can speak to their academic experiences, qualifications and potential. Recommenders will receive an email with instructions but are able to submit their recommendation entirely online. Submission of a traditional hard-copy letter is not necessary.

In one- to two- single-spaced pages using Arial font, applicants should discuss their research interests and experience. Applicants should indicate what their goals are in obtaining a graduate degree; why the School of Life Sciences at Arizona State University is suited to the pursuit of their degree; and list any publications, honors, awards or society memberships they have.

Tuition information

When it comes to paying for higher education, everyone's situation is different. Students can learn about [ASU tuition and financial aid](#) options to find out which will work best for them.

Application deadlines

Fall

[expand](#)

Career opportunities

The Master of Science program in neuroscience prepares graduates for entry into advanced research or clinical training programs; technical positions in academia, industry and health care-related fields; or employment in sectors focused on education, consulting, law, pharmaceuticals and artificial intelligence.

Career examples include:

- clinical research assistant
- data analyst in neuroscience or artificial intelligence
- laboratory technician
- medical writer
- pharmaceutical sales representative
- public health position related to neurological disorders
- technologist in medical imaging or genetic counseling

Contact information

[School of Life Sciences](#) | LSA 181

sols.grad@asu.edu | 480-965-1768

[Admission deadlines](#)