Neuroscience, BS

Our nervous system, the human brain and spinal cord, is a mystery that is still revealing its secrets. Whether your goal is a career in bioengineering, medicine, pharmaceuticals, physical or speech rehabilitation, or in pure research, this degree is designed to provide both the foundation and the flexibility you need to help you take the first step.

Program Description

Neuroscience is concerned with understanding the structure and function of the nervous system and its relation to behavior. The field of neuroscience spans all levels of biological analysis, with interfaces to many fields such as mathematics, law and engineering.

The BS degree program in neuroscience consists of rigorous, in-depth training in cellular, molecular and systems biology. With this broad depth of fundamental knowledge, students gravitate toward different areas of specialization in neuroscience. Students are prepared for collaborative and interdisciplinary research and teaching positions in neuroscience. The degree program also enables students to enter biomedical fields that prepare students for careers in medicine, nursing or veterinary medicine and to integrate innovative outcomes from the research community into their practices.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 251 - Calculus for Life Sciences or MAT 265 or MAT 270
- **Math Intensity:** Moderate

Required Courses (Major Map)

2019 - 2020 Major Map
Accelerated Program Options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Microbiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Additional Requirements:

This program is currently available only as a concurrent degree to ASU students pursuing other majors.

Change of Major Requirements

This program is currently available only as a concurrent degree to ASU students pursuing other majors. For more information on how to add this major as a concurrent degree program, students should contact the department or their academic advisor.

Students should refer to https://changingmajors.asu.edu/request for information about how to change a major to this program.

Transfer Options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use the Transfer Map search to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for
students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/pathway-programs.

Global Opportunities

Global Experience

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.asu.edu/

Career Opportunities

The bachelor’s degree in neuroscience, especially when paired with complementary programs, prepares students for work in fields such as:

- academic research
- bioengineering
- biotechnology
- medical research
- medicine
- pharmaceutical research and development
- physical rehabilitation
- speech rehabilitation

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Sciences Professor</td>
<td>15.2%</td>
<td>$78,240</td>
</tr>
<tr>
<td>Biological Technician</td>
<td>10.2%</td>
<td>$43,800</td>
</tr>
<tr>
<td>Biomedical Engineer</td>
<td>7.2%</td>
<td>$88,040</td>
</tr>
</tbody>
</table>
Clinical Trial Manager 9.9% $118,970
Health Sciences Manager 9.9% $118,970
Life Scientist 9.2% $74,540
Molecular Biologist 8.0% $76,690
Pharmacist 5.6% $124,170
Physical Rehabilitation Physician 11.4% #
Surgeon (General) 11.4% #

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

Solar Bright Outlook  Green Occupation

Contact Information

School of Life Sciences  LSA 189
sols.advising@asu.edu  480-727-6277