

# Overview

## ENDURE Program

**Part 1:** Summer research

**Part 2:** Fall semester program

### Requirements:

- ✓ Must be **undergrad** (cannot have graduated).
- ✓ Must be underrepresented minority, disabled or disadvantaged.
- ✓ Must be **Science** major.
- ✓ Science GPA of 3.0 or better
- ✓ **GRE not needed.**
- ✓ Should be interested in Ph.D. in neuroscience (Part 1) and must plan to apply for **Ph.D.** (Part 2).
- ✓ Students eligible after their **2nd year** (juniors).
- ✓ Research experience **not** needed for Part 1. **Essential** for Part 2 with preference given to students who completed Part 1 at **MSU**.
- ✓ Fluency in **English** is required. All program activities are conducted in English.



# Contact Us

Bridge to Ph.D. in  
Neurosciences Program at  
Michigan State University

Life Science  
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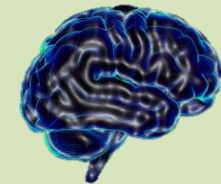


MICHIGAN STATE  
UNIVERSITY



# Bridge to Ph.D. in Neurosciences Program

The Bridge to Ph.D. in Neurosciences Program (BPNP) was created with the objective of increasing the number of underrepresented minority Ph.D.s trained in the neurosciences; specifically to facilitate the entry of students into the Ph.D. program in Neuroscience at MSU and enhance the likelihood of their success.



If you are an undergraduate student and you are interested in pursuing a Ph.D. degree in neuroscience, **this program is for you!**



## ENDURE

"The Blueprint initiative "Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (ENDURE)" aims to raise interest and opportunities in neuroscience research for individuals who are typically underrepresented in the neurosciences. The goal is to provide such individuals with training at the undergraduate level, so that they are prepared to enter and successfully complete neuroscience Ph.D. programs. This includes individuals from underrepresented racial and ethnic groups; individuals with disabilities; and individuals from economically disadvantaged backgrounds.



## Michigan State University

The Neuroscience Program at Michigan State University (MSU) provides interdisciplinary graduate education and research training leading to the Ph.D. degree in neuroscience. The Program's mission is to prepare students for successful research careers in academia, government, or the private sector.

To provide students with these essential tools, the Training Program includes a broad-based curriculum in the fundamentals of nervous system function and disease, specialized research training with faculty, and professional mentoring. The faculty is committed to providing students with the research training and mentoring that enable them to identify important research problems and work collaboratively to solve them, and to developing the professional skills and behaviors that are necessary for successful research careers.

<https://neuroscience.natsci.msu.edu/>

## Summer Research

### Expectations:

- ✓ Work on a hypothesis-directed research project. Research project is selected for the student with efforts made to match their interests with those of a research lab. However, students do not get to choose their project. \*
- ✓ Present poster at the MSU Mid-SURE Research Symposium. ([www.urca.msu.edu/mid-sure](http://www.urca.msu.edu/mid-sure))
- ✓ Give 15 min. oral presentation on research project at conclusion of summer program.
- ✓ Present poster at Society for Neuroscience Annual ENDURE Meeting. Travel expenses will be covered. \*
- ✓ Students may **not** be involved in other activities such as taking online classes, studying for the MCAT or other distracting activities. \*

### Provided:

- ✓ Travel to/from home to East Lansing (students will be met at the airport). Local students may drive, and be reimbursed for mileage. \*
- ✓ Stipend **\$10.00/hr, 40 hrs/wk** for **10 wks begins end of May and ends ~ August 10th.**
- ✓ Food/housing in a single room in a graduate dormitory. \* (<http://liveon.msu.edu/rivertrail/owen>)
- ✓ Health insurance. \*

**To apply:** Send directly by email to Dr. William D. Atchison ([atchiso1@msu.edu](mailto:atchiso1@msu.edu)).

- ✓ Start **January 1st** and end on **March 20th** or until all positions are filled. Early acceptance is available.
- ✓ Resume or CV including all relevant experience.
- ✓ Personal statement in which you describe your professional goals, prior experience and describe how this ENDURE experience will help you attain your goals.
- ✓ Non-official transcripts including a list of all courses currently being taken.
- ✓ **(3)** Letters of recommendation send as PDF to the email address above, and addressed to Dr. Atchison.

## Fall Semester Program

### Expectations:

- ✓ Give 15 min. oral presentation on research project at conclusion of the semester.
- ✓ Required to be present at all program activities and meetings.
- ✓ **(\*)** See previous section for details.

### Provided:

- ✓ Stipend \$5,000 for research for **16 wks, 20 hrs/wk.**
- ✓ Tuition for 9 credits of coursework to include:
  - NEU 301** Introduction to Neuroscience I
  - PHM 431** Pharmacology of Drug Addiction
  - PHM 480** Neurobiology of Disease
- ✓ **(\*)** See previous section for details.

**Note:** No other courses can be substituted, and basic major requirements, i.e. organic chemistry, physics, etc. will not be paid for, and should not be registered for. Student may register at their own expense for independent study, special problems, or similar course at their home institution, and use their research experience at MSU to satisfy that requirement.

