

# Brennen Wise

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## Education

2022 - Expected Graduation: May 2026

**BS Biophysics - Arizona State University, GPA = 4.0**

**Barrett, The Honors College**

## Research Experience

September 2023 - Ongoing

**Wadhwa Lab at ASU - Undergraduate**

## Awards

- ASU College of Liberal Arts and Sciences Dean's List (Fall 2022, Spring 2023)
- ASU New American University Scholar (recipient of the President's Award) (All semesters of attendance)
- Received the Johns Hopkins Book Award at Arizona School for the Arts (2021)
- Inducted into National Honors Society, National Foreign Language Honors Society, National Honors Society For Dance Arts (2020)
- Chosen to give graduation speech to an audience of 300 people (2022)
- Earned the Slanczka Achievement Certificate at the 71st session of the Model United Nations of the Far West (MUNFW) in San Francisco (2022)

## Skills

- Python programming
- Proficient in Excel, LoggerPro, and LaTeX
- Comfortable with phase contrast microscopy
- Comfortable with standard biology, chemistry, and physics lab procedures
- Very familiar with calculus, linear algebra, and differential equations
- Public speaking and presentation experience

## Leadership Experience

November 2023 - Ongoing

**Scholars of Physical Mathematics at ASU - Vice President**

- Administrative duties such as registering the club, engaging in outreach to other clubs and professors, and scheduling meetings

August 2021 - June 2022

### **Senior Class Officer at Arizona School for the Arts- *Treasurer***

- Managing funds for various projects such as a Senior Gift

August 2021 - June 2022

### **Mu Alpha Theta (Math Honors Society) at Arizona School for the Arts - *Secretary***

- Collaborating with other club officers for management and logistics

May 2021 - June 2022

### **National Foreign Language Honors Society at Arizona School for the Arts - *Treasurer***

- Collaborating with other club officers for management and logistics

## **Membership**

August 2022 - Ongoing

### **ASU's Society For Physics Students - *Club Member***

June 2023 - Ongoing

### **National Society for Leadership and Success - *Member***

## **Relevant Coursework**

### **Mechanics and Electromagnetism (Current enrollment)**

- Covers topics in classical mechanics and electrodynamics

### **Physics I, II, and III (Fall 2022, Spring 2023, Fall 2023)**

- Covered Newtonian mechanics, electromagnetism, thermodynamics, optics, and modern physics. Included lab.

### **General Biology I and II (Spring 2023, Summer 2023)**

- Overview of cell biology, genetics, evolutionary biology, and community ecology. Included virtual lab.

### **General Chemistry I and II with lab (Fall 2023, Current enrollment)**

### **Python Programing for Physicists (Fall 2023)**

- Learning programming in python with an emphasis on problem solving methods

### **Mathematical Methods in Physics I and II (Fall 2023, Current enrollment)**

- Covers complex numbers, linear algebra, differential equations, vector calculus, integral transforms, and special functions.