

# BME Summer Student Application 2024

---

University of Cincinnati **B**iology **m**eets **E**ngineering (BmE) Program  
Summer 2024 Program Application

BmE is a program to grow student interest in biology and engineering. Students will get to take part in fun biology activities to learn how animals move through the world using their senses. Students will then use engineering to build and program robots. The program will also include activities focused on college and career readiness.

**Program Dates:** June 3-June 21, 2024\*

\*Program is contingent on University of Cincinnati (UC) Policy regarding COVID-19 and funding. The program will observe Juneteenth on 6/19/24.

**Program Time:** Monday through Friday, from 9 AM to 3 PM at UC Uptown West Campus. *Students are required to commit to the full program as the projects will be team oriented.*

**Program Details:** Three-week hands-on transdisciplinary summer program in biology and engineering with final public presentation. Free to participate, daily lunch provided. Materials and equipment provided. Transportation to and from UC (Cincinnati Metro bus pass) or parking pass.

**Program Admissions:** *Final application deadline is April 19, 2024. The application review process will begin March 11, 2024 and continue until the program is filled.*

## **Program Application Questions?**

Please contact Dr. Stephanie Rollmann, Program Director, UC Department of Biological Sciences, [stephanie.rollmann@uc.edu](mailto:stephanie.rollmann@uc.edu) or the high school teacher/counselor or other advisor who provided this application.

To support the completion of the application, you will need the following information: Contact information for applicant and guardian(s) High school GPA High school STEM courses taken and grades Standardized test scores (if taken)

## **Student Information**

Full Name

---

Preferred Name:

---

Date of Birth

---

Home Address

---

---

---

---

School Email Address

---

Personal Email Address

---

Home Phone Number

---

Cell Phone Number

---

Gender

Male

Female

Other (please specify if wish)\_\_\_\_\_

Prefer not to say

Race/Ethnicity (Check all that apply)

- American Indian or Alaska Native
  - Native Hawaiian or Pacific Islander
  - Asian
  - Black/African American
  - Hispanic/Latino
  - White/Caucasian
  - Other (please specify)
- 

As of today, have you applied for college?

Yes (please list where you have applied)

---

No (please list your career plans)

---

What are some of your interests both inside and outside of school?

---

---

---

---

---

How did you hear about UC's BmE program? (Check all that apply)

- High School Teacher/Counselor/Principal
  - High School Friend
  - University of Cincinnati Staff/Faculty/Student
  - Media/Website
  - Family/Community Member
  - Other (please specify)
- 

**School Information**

What high school do you currently attend?

---

What grade will you be entering for the 2023-2024 school year?

- Freshman
- Sophomore
- Junior
- Senior

What is your cumulative GPA?

---

List any high school Science, Technology, Engineering or Math (STEM) classes you have taken and grades.

---

---

---

---

---

Test Scores (if taken)  
If no answer, please put "N/A"

|         | Score (1) |
|---------|-----------|
| Pre-ACT |           |
| Pre-SAT |           |
| ACT     |           |
| SAT     |           |
| Other   |           |

**Skill Level**

*We value a range of skill levels. The following questions give us an idea of your starting knowledge or STEM experiences:*

Do you have any programming knowledge or experience (For example: programming, coding and/or robotics clubs or camps)? Please provide details.

---

---

---

---

---

Rate your programming/coding knowledge level:

- 0 - Not comfortable programming
- 1 - Somewhat comfortable using drag and rop coding programs like Scratch or MBlock
- 2 - Very comfortable using drag and drop coding programs like Scratch or MBlock
- 3 - Comfortable using other coding programs such as Python or JAVA

Rate your animal biology knowledge level:

- 0 - Know nothing/very little about animal biology
- 1 - Somewhat knowledgeable about animal biology
- 2 - Knowledgeable in animal biology

Rate your brain science (neuroscience) knowledge level:

- 0 - Know nothing/very little about brain science
- 1 - Somewhat knowledgeable about brain science
- 2 - Knowledgeable in brain science

What do you hope to gain from your experience in this summer BmE program?

---

---

---

---

---

---

---

---

---

---

---

---

---

**Household Information**

Parent/Legal Guardian Information (#1):

If no answer, please put "N/A"

Name \_\_\_\_\_

Relationship to Student \_\_\_\_\_

Address (if different from student) \_\_\_\_\_

Home Phone Number \_\_\_\_\_

Personal Cell Number \_\_\_\_\_

Personal Email Address \_\_\_\_\_

Parent/Legal Guardian Information (#2):

If no answer, please put "N/A"

Name \_\_\_\_\_

Relationship to Student \_\_\_\_\_

Address (if different from student) \_\_\_\_\_

Home Phone Number \_\_\_\_\_

Personal Cell Number \_\_\_\_\_

Personal Email Address \_\_\_\_\_

Household Income

- Less than \$20,000
- \$20,000 to \$34,999
- \$35,000 to \$49,999
- \$50,000 to \$74,999
- \$75,000 to \$99,999
- \$100,000 or more
- Prefer not to answer

Number of people living in your household, including yourself?

---

Please sign below to confirm your application submission.

Date:

---

Student Signature

---

Parent/Legal Guardian Signature

---