

BME Summer Student Application 2022

University of Cincinnati **B**iology **m**eets **E**ngineering (BmE) Program
Summer 2022 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 1-June 22, 2022*

*Program is contingent on University of Cincinnati (UC) Policy regarding COVID-19

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).

Program Admissions: Final application deadline is April 22, 2022. Application review process will begin March 14, 2022 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 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

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)
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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)
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The current date of the program is June 1-22, 2022. If we needed to move the program due to University policy on COVID, on what alternative dates would you be able to participate? Check all options for which you are available.

- June 20 - June 24
- June 27 - July 1
- July 4 - July 8
- July 11 - July 15
- July 18 - July 22
- July 25 - July 29

School Information

What high school do you currently attend?

What grade will you be entering for the 2022-2023 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