BME Summer Student Application 2023

University of Cincinnati Biology meets Engineering (BmE) Program
Summer 2023 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, 2023*
*Program is contingent on University of Cincinnati (UC) Policy regarding COVID-19.

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 21, 2023. The application review process will begin March 13, 2023 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

○ 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"

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<thead>
<tr>
<th>Score (1)</th>
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<tbody>
<tr>
<td>Pre-ACT</td>
</tr>
<tr>
<td>Pre-SAT</td>
</tr>
<tr>
<td>ACT</td>
</tr>
<tr>
<td>SAT</td>
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<tr>
<td>Other</td>
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**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 drop 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

________________________________________________________________