

University of Cincinnati Biology meets Engineering (BmE) Program

Summer 2025 Program Application

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

Program Dates: June 2 - June 18, 2025

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 are team oriented.

Program Details: This is a three-week, hands-on, transdisciplinary summer program in biology and engineering with final public presentation. The program takes place on campus at the University of Illinois. It is free to participate, with daily lunch provided. Materials and equipment are also provided. Parking passes or Cincinnati Metro bus passes are available.

Program Admissions: The application review process will begin March 10, 2025 and will continue until the program is filled. The final application deadline is April 18, 2025.

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 parent/guardian(s)

High school GPA

High school STEM courses taken and grades

Standardized test scores (if taken)

Please note, you must complete the entire application in one sitting. You are unable to save the application and return to it later. You and your parent/guardian will need to sign the application at the end. If easier, the application can also be downloaded from the BmE website (<https://www.biologymeetsengineering.org/>) as either a Word or pdf document and submitted in that format to stephanie.rollmann@uc.edu

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Student Information

First Name

Last Name

Preferred Name:

Date of Birth (MM/DD/YEAR)

Home Address

School Email Address

Personal Email Address

Home Phone Number

Cell Phone Number

Preferred pronouns

- he/him
 - she/her
 - they/them
 - 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, Non-Hispanic
 - Hispanic or Latino
 - White, Non-Hispanic
 - Other (please specify if wish)
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Prefer not to say

As of today, have you applied for college?

I have applied (please list where you have applied)

I haven't applied yet, but I plan to apply (please list where you plan to apply)

I have not and don't plan to apply (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 2025-2026 school year?

- Freshman
- Sophomore
- Junior
- Senior

What is your 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
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 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
