

Enter the World of Engineering in Health and Medicine

High school students are invited to apply for an intensive summer biomedical engineering camp offered by the Department of Biomedical Engineering at The College of New Jersey (TCNJ).

The program aims to create a community of students who participate in and contribute to an intensive and powerful academic experience delivered by distinguished educators and professionals.

Participants will be exposed to the diverse field of biomedical engineering through several hands-on lab and design activities that take place in the TCNJ STEM Building's state-of-the-art biomedical engineering laboratories and design facilities. Participants will also have the opportunity to meet biomedical engineers working in the medical device industry.

CONTACT INFORMATION

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**This summer, get kids to turn off the TV
and tune into a new world of
learning and fun.**



**Biomedical
Engineering**

Biomedical Engineering Department
The College of New Jersey
2000 Pennington Road
Ewing, New Jersey 08628-0718

Engineering in Health and Medicine



Summer Camp

Session Dates:

July 14-July 19, 2019

<https://bmesummerncamp.tcnj.edu/home/>



WHAT IS BIOMEDICAL ENGINEERING?

Biomedical engineering is a discipline that applies engineering principles and methodology to solve problems that arise from the study of human physiology or health. This includes, but is not limited to, the acquisition of new knowledge and understanding of the human body or the design of new technologies and devices, processes and systems that advance human biology and medicine, or improve human health.

Biomedical engineers may be called upon in a wide range of capacities: to design instruments, devices, and software; to model the mechanics of the body; to research materials acceptable to the body; or to conduct research needed to solve clinical problems.



WHO SHOULD APPLY?

High school students that rank in the top 30% of their class and have an interest in engineering in medicine. Applicants must have successfully completed one year of math and science.

A TYPICAL DAY AT THE CAMP INCLUDES:

- * **Hands-on lab or design activity.**
- * **Presentation of project outcomes.**
- * **Evening activities.**
- * **Meet-and-greet with biomedical engineers from industry**



LOCATION & COST

The camp will be held at the beautiful campus of The College of New Jersey in Ewing, NJ. Participants stay in a TCNJ air-conditioned residence dorm and are chaperoned by Biomedical Engineering students.

Program Dates: July 14-19, 2019

Cost of the camp: \$1,750 (plus a non-refundable \$39 application fee)

This covers tuition, educational materials, room & board, and entertainment expenses. Camp participants must provide their own transportation to and from Ewing, New Jersey.

Seats are limited. Priority application deadline is **April 25, 2019**. Rolling admission thereafter based on space available

All applicants will be notified by June 5, 2019

PAYMENT WILL BE DUE JUNE 14, 2019

Apply online at:

<https://bmesummecamp.tcnj.edu/home/>

