



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Biomedical Engineering Infosheet

New student admissions for
Summer 2024 are open.



Program Highlights

- Gain a general understanding of the application of principles and problem-solving techniques
- Discover the variety of implantable medical devices, such as pacemakers and artificial hips, to more futuristic technologies such as stem cell engineering and the 3-D printing of biological organs
- Design and build a basic bio-medical prototype (i.e. prosthetic hand) while learning to analyze, design, and problem-solving
- Learn about current research in the bio-medical field and various career opportunities



2024 Dates

Georgia Tech

- Session 1: June 16 - June 28



Academic Program Overview

Do you love engineering, computers and also life sciences? Are you interested in designing devices to diagnose and treat diseases? The Summer Springboard Biomedical Engineering course exposes students to the basics of a career in one of the hottest engineering fields today. Students learn how multiple engineering fields, mathematics, chemistry and computer science are all intertwined to improve human health and how biomedical engineers use and apply modern biological principles in their engineering design process.



Excursions

In 2023, students visited Abbott where they had the opportunity to tour the facility, engage in a CardioMEMS demo (an implantable pulmonary artery pressure monitoring platform), and learn about Abbott's Mentis system simulator which shows how a CardioMEMs device is implanted. Students toured the Emory University Hospital Biomedical Engineering Clinical Lab and were fascinated by the power technology can have on those who have experienced traumatic events, such as brain aneurysms. Students were able to thoroughly apply their biomedical engineering coursework and expand their knowledge with both excursions.

Instructors

Rowan Brothers

Rowan Brothers is a PhD candidate in the joint Coulter Department of Biomedical Engineering at Georgia Tech and Emory University, an NSF graduate research fellow, and a Robert T. Jones biomedical engineering program fellow. To learn more, click [here](#).

Tuition Information:

Residential Students:

- Includes: all meals, lodging, excursions, academic course, weekend excursions
- Excludes: optional airport pickup and drop off service (available for an additional fee)
- Price: \$5,498

Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 6pm, Monday-Friday
- Excludes: lodging, breakfast, dinner, weekend excursions
 - Weekend excursions can be added on for \$125 per day
- Price: \$3,198

Supplements:

- Application fee: \$99 (mandatory, non-refundable)
- Tuition Protection Plan: Allows for cancellation for any reason up until the day of the program. Click [here](#) for more info.

[Apply Now!](#)



Course Structure

There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm, Monday - Friday. During week two students have class from 9am-12pm Monday through Thursday. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).



Typical Schedule



More info on [Airport Transfer](#)

More info on [Unaccompanied Minor Service](#)

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly which is run in partnership with SSB). Universities and their affiliated departments and partners do not control and are not responsible or liable in any manner for any part of the Summer Springboard program.

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