THE COLLEGE OF ENGINEERING

Biomedical Engineering
Carnegie Mellon University

FACULTY
- Total 61 full-time faculty members, affiliated with four colleges
- 27 adjunct faculty members, among them many physicians, who teach courses and facilitate clinical exposure opportunities
- 18 BME faculty are Fellows of the American Institute for Medical and Biological Engineering (AIMBE)

DEPARTMENTAL HIGHLIGHTS
- BME has several core research strength areas: Neural Engineering, Bioengineered Organs, Biomaterials & Nanotechnology, Cell & Tissue Engineering, and Computational Biomedical Engineering
- BME is offered as a unique additional major B.S. degree in combination with any traditional engineering B.S. degree. This improves the job offers of our graduates.
- Each year, BME holds the Carnegie Mellon Forum on Biomedical Engineering. This forum brings together world thought-leaders in biomedical engineering to explore the field’s frontiers and grand challenges.
- BME students collaborate with cutting edge medical faculty in Pittsburgh and at Mayo Clinic, across engineering disciplines, to receive a strong foundation in medicine and engineering.
- An impressive 50% of undergraduate students in the College of Engineering participate in at least one research experience during their undergraduate studies.
- BME leads CMU’s Bioengineered Organs and Transforming Transplant initiatives and participates in its Neuroscience Institute.

ALUMNI

2,297

2019-2022 STARTING SALARIES AFTER GRADUATION

<table>
<thead>
<tr>
<th>Degree</th>
<th>Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.S.</td>
<td>$78,000</td>
</tr>
<tr>
<td>M.S.</td>
<td>$80,000</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>$92,111</td>
</tr>
</tbody>
</table>

2022-2023 STUDENT POPULATION

417

- B.S. (215)
- M.S. (136)
- Ph.D. (66)

- 70% of B.S. students are female
- 48% of M.S. students are female
- 55% of Ph.D. students are female

*Includes BME minors

RANKED
By U.S. News & World Report (2023)

#19 | BIOMEDICAL/BIOENGINEERING GRADUATE PROGRAM
College ranked #5

#21 | BIOMEDICAL ENGINEERING UNDERGRADUATE PROGRAM
College ranked #7
SAMPLING OF RECENT EMPLOYERS

- Allegheny General Hospital
- Bayer
- Boston University
- CMU
- Deloitte
- Facebook
- Foundation Medicine
- GE
- Genentech
- Google
- IBM
- Illumina
- Johns Hopkins University
- Johnson & Johnson Family of Companies
- L’Oreal USA
- Medtronic
- Memorial Sloan Kettering Cancer Center
- Merck & Co. Inc.
- Smith & Nephew
- University of Pittsburgh
- UPMC
- U.S. Food and Drug Administration
- U.S. Patent and Trademark Office
- WVU Medicine

CREATE A LASTING LEGACY

**Name the department:** $60 million*  
* RECOMMENDATION SUBJECT TO UNIVERSITY APPROVAL

**Professorships:** One of our most important priorities is recruiting and retaining star faculty. They educate and inspire the next generation of engineers, solve complex global problems, and define our reputation as an institution.

- Department Head: $5 million
- Distinguished Professorship: $3 million
- Career Development Professorship: $1.5 million

**Named fellowships and scholarships:** This funding offers an important support system for our best and brightest students. Named fellowships allow these innovators to tackle real-world challenges in the lab, explore new ideas in the classroom, and even collaborate with leading professionals in industry.

- Presidential Fellowships: $1 million
- Full Undergraduate Scholarship: $750,000
- Graduate Fellowship (partial): $100,000
- Undergraduate Scholarship (partial): $50,000

**Named endowed funds:** $50,000 minimum

- These funds can support an area of your choice such as research, student experience, or state-of-the-art equipment

There are many ways to make an impact in BME, including multi-year gifts, annual gifts, and departmental funds. Each gift makes a difference by supporting future generations of engineers.

**HOW YOU CAN MAKE A DIFFERENCE IN BME**

**SHOW YOUR SUPPORT AT ANY LEVEL**

**Undergraduate Research Fund:** Your gift will support summer research experiences for undergraduate students. These hands-on experiences provide the key skills that lead to future job offers in industry and admissions into graduate and medical school.

**Biomedical Engineering Fund:** Your gift will go where it is needed most, to the most urgent priorities of the department. Your generosity will have a direct impact on the success of BME by supporting projects such as student programming, research activities, and state-of-the-art facilities.

**CONNECT WITH BME**

- giving.cmu.edu/bme
- CMUBME
- CMUEngineering
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- cmu_bme

**Carnegie Mellon University**

Biomedical Engineering

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