

Carnegie Mellon University

Biomedical Engineering

2019-2020 STUDENT POPULATION

320

● B.S.(201) ● M.S.(66) ● Ph.D.(53)

OF ENGINEERING STUDENTS

8.1%

● BME ● ENGINEERING COLLEGE

63%
OF B.S. STUDENTS
ARE **FEMALE**

38%
OF M.S. STUDENTS
ARE **FEMALE**

57%
OF Ph.D. STUDENTS
ARE **FEMALE**

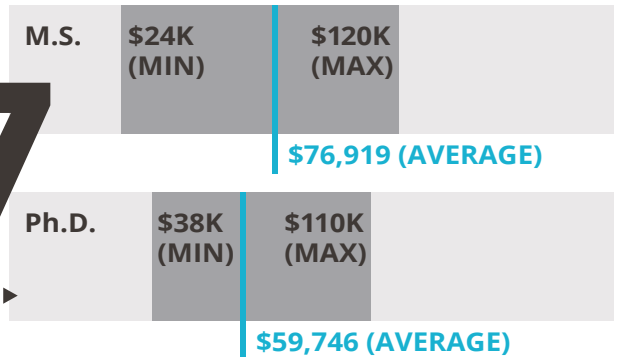
FACULTY

- Total sixty-one full-time faculty members, affiliated with four colleges
- Thirty-two adjunct faculty members, among them many physicians, who teach courses and facilitate clinical exposure opportunities

ALUMNI

2,017

2017-2019 Starting Salaries >>> after Graduation



RANKED

By U.S. News & World Report 2021

#17

Biomedical/ Bioengineering Graduate Program

College ranked #4

#22

Biomedical Engineering Undergraduate Program

College ranked #6

DEPARTMENTAL HIGHLIGHTS

- BME has several core research strength areas: 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
- Each year, BME holds the Carnegie Mellon Forum on Biomedical Engineering. This forum brings biomedical engineering professionals together to explore the frontiers of biomedical engineering and address the grand challenges of the field.
- BME students collaborate across engineering disciplines and with cutting-edge medical facilities in Pittsburgh to receive a strong foundation in both biomedicine and traditional 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 Initiative and participates in its Neuroscience Institute.

College of Engineering

ADVANCED COLLABORATION®



SAMPLING OF RECENT EMPLOYERS

- Allegheny General Hospital
- Deloitte
- Facebook
- Foundation Medicine
- GE
- Genentech
- Google
- IBM
- Illumina
- Johnson & Johnson Family of Companies
- L'Oreal USA
- Medtronic
- Memorial Sloan Kettering Cancer Center
- Merck & Co. Inc.
- U.S. Food and Drug Administration
- UPMC

CONNECT WITH BME



giving.cmu.edu/bme



CMUBME



CMUEngineering



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HOW YOU CAN MAKE A DIFFERENCE IN BME

SHOW YOUR SUPPORT AT ANY LEVEL

BME Teaching Lab: This renovated facility supports the expansion of hands-on learning in BME. The newly updated state-of-the-art lab has more space for students to learn important techniques such as tissue engineering. In addition, its upgraded equipment better prepares students for future employment and research opportunities. Your gift supports this project and the maintenance of this space.

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.

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.

Carnegie Mellon University Biomedical Engineering

Gena Henry

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