Wallace H. Coulter Department of Biomedical Engineering

Georgia Tech College of Engineering and Emory School of Medicine

- Georgia Tech and Emory Biomedical Engineering is a true success story in risk-taking and innovation — a visionary partnership between a leading public engineering school and a highly respected private medical school.
- True to Wallace H. Coulter's vision and legacy, our faculty and students work closely with clinicians to not only gain fundamental insights into human health and pathology, but also to translate our research to impact industry and medicine.
- We have unique new research initiatives in Pediatric Bioengineering, Immunoengineering and Health Care Robotics that are potentially defining the future of BME and medicine.

Georgia Institute of Technology (GT)

- More than 900 full-time instructional faculty and more than 23,000 graduate and undergraduate students
- U.S. News & World Report ranks GT as the No. 7 public university in the country
- GT now ranks among the top 10 in research expenditures among universities without a medical school
- GT produces more than 400 invention disclosures annually, the majority of which are from the College of Engineering (CoE)

Emory University

- Emory is one of the top biomedical research institutions in the nation, ranking among the top 20 schools of medicine in National Institutes of Health (NIH) research funding
- Emory's School of Medicine is ranked among the nation's finest institutions for education, biomedical research, and patient care, with over 2,000 full and part-time faculty and 966 volunteer faculty
- Over the past two decades, Emory has received more than $788 million based on commercialization of intellectual property, mostly in the health sciences.

The College of Engineering

- Largest and most diverse college of engineering in the country
- All graduate and undergraduate programs ranked in the top 10 nationally by *U.S. News & World Report*

Students

No. 1 in engineering doctoral degrees awarded overall to minority students

No. 1 in engineering doctoral degrees awarded to African-American students

No. 2 in engineering doctoral degrees awarded to Hispanic students

1460 average math plus verbal SAT score of freshman entering CoE in Fall 2014

Faculty

- More than 160 CoE faculty members have received National Science Foundation CAREER awards
- 20 active CoE faculty are members of the National Academy of Engineering
- 1,200 new research contracts and grants for a value of $207.7M in FY2013

20 Number of active CoE faculty who are members of the National Academy of Engineering

Alumni

The Wallace H. Coulter Department of Biomedical Engineering

No. 4
national ranking of undergraduate program (*U.S. News & World Report*)

No. 2
national ranking of graduate program (*U.S. News & World Report*)

Students

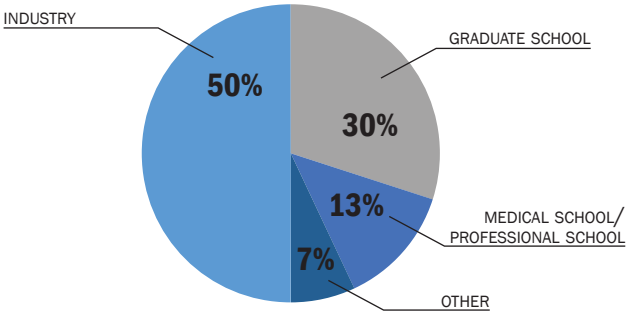
1,316
current enrolled undergraduates

215
BS degrees awarded in AY2013/2014

203
current enrolled graduate students

32
PhD degrees awarded in AY2013/2014

BS Graduate Pursuits



Degrees Offered:

- Bachelor's degree in Biomedical Engineering conferred by Georgia Tech
- Master of Biomedical Innovation & Development conferred by Georgia Tech
- Doctorate conferred by Georgia Tech and Emory University
- Doctorate conferred by Peking University, Emory University, and Georgia Tech
- MD/PhD conferred by Georgia Tech and Emory University School of Medicine

Nearly three-fourths of BME undergraduate students conduct research during their time at Georgia Tech

Recent Distinctions

- The Fall 2013 BME freshman class had 394 students and 208 of them are women, marking the first time that women have comprised the majority of a freshman class in any Georgia Tech engineering program.
- Exit and alumni surveys consistently show that BME graduates do exceedingly well in a wide variety of pursuits – from medical school to graduate school to industry as well as a variety of other professions including law, business, and consulting.
- We have a large, diverse and very successful faculty who are leaders in their disciplines and who generated more than $33M in research expenditures last year.

BME Offices and Research Facilities

- U.A. Whitaker Building
- Emory Health Sciences Research Building
- Technology Enterprise Park
- Parker H. Petit Institute for Bioengineering & Biosciences
- Molecular Science and Engineering Building
- Woodruff Research Building and Hospital Annex

Therapeutic Research Areas:

- Cancer Technologies
- Cardiovascular Engineering
- Immunoengineering
- Neuroengineering
- Pediatric Bioengineering
- Regenerative Medicine

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www.bme.gatech.edu