Coulter BME is a success story in risk-taking and innovation — a visionary partnership between a leading public engineering school and a highly respected private medical school.

OVERVIEW

Degrees Offered
- BS in Biomedical Engineering at Georgia Tech
- MS in Biomedical Engineering at Georgia Tech
- Master’s in Biomedical Innovation & Development at Georgia Tech
- PhD at Emory University and Georgia Tech
- PhD at Peking University, Emory University, and Georgia Tech
- MD/PhD at Georgia Tech and Emory University School of Medicine

Research Focus Areas
- Biomaterials & Regenerative Technologies
- Biomedical Imaging & Instrumentation
- Biomedical Informatics and Systems Modeling
- Biomedical Robotics
- Cancer Technologies
- Cardiovascular Engineering
- Engineering Education
- Immunoengineering
- Neuroengineering

NSF Engineering Research Center for Cell Manufacturing Technologies (CMaT)
- $20 million National Science Foundation investment
- Eight-university consortium
- Developing advanced cell therapies for heart disease and cancer
  - cellmanufacturingusa.org

STUDENTS

1,162 undergraduate students
- 59% of undergrad students are women, and 25% are underrepresented minorities
- Nearly 3/4 of BME undergraduates engage in research

377 graduate students
- 50% of graduate students are women, and 27% are underrepresented minorities

Coulter BME graduates the largest number of...
- women BME students in the U.S.
- BME students from historically underrepresented minority groups in the U.S.

FACULTY

$41M annual research awards (FY22)

50+ patents issued to faculty since 2015

73 primary faculty members
- 25% of tenure-track faculty are women and 10% are URM
- Plus 17 professional-track faculty members

5 current and emeritus faculty are NAE Fellows

1 NAE Gordon Prize for 3 BME faculty for Pioneering Engineering Education
**POST-GRAD PATHS**

**Bachelor’s Recipients**
- Industry, 55%
- Grad school, 16%
- Med school, 12%
- Other, 9%
- Undecided, 8%

**INDUSTRY PLACEMENT**
- Medical Device, 50%
- Consulting, 10%
- Software/Hardware/Health IT, 9%
- Consumer Products, 7%
- Business, 5%
- Research, 4%

- Entrepreneur, 3%
- Government, 3%
- Pharma, 3%
- Design, 2%
- Energy, 2%
- Other, 2%

**Ph.D. Recipients**
- Industry, 39%
- Post doc, 37%
- MD, 9%
- Unknown, 7%
- Government, 3%
- Tenure track, 3%
- Non-tenure research, 2%

**INDUSTRY PLACEMENT**
- Medical Device, 37%
- Other, 16%
- Consulting, 13%
- Pharma, 8%
- Software/Hardware, 7%

- Research, 6%
- Bioinfo/Technology, 6%
- Security/Defense, 6%
- Scientific Writing, 1%

**COMMERCIALIZATION**

**biolocity**

Accelerating commercialization of early-stage medical technologies with IP held at Emory or Georgia Tech ➤biolocity.org

- 62 projects funded
- 22 startups since 2015
- 2 licenses to industry
- 5 products on the market
- 1 acquisition
- 16.6x ROI leverage in follow-on funding
- 2.3x leverage in follow-on funding
- 5 products on the market
- 1 acquisition
- 22 startups since 2015
- 2 licenses to industry
- 5 products on the market
- 1 acquisition
- 16.6x ROI leverage in follow-on funding
- 2.3x leverage in follow-on funding

**GEORGIA TECH COLLEGE OF ENGINEERING**

Largest and most diverse College of Engineering of its kind in the nation.

**#1**...in the nation in engineering degrees awarded overall to women and underrepresented minority students

**#1**...in the nation in engineering doctoral degrees awarded to **Black students**

**#2** underwatergraduate engineering program in the nation, among public universities (USNWR)

**GEORGIA INSTITUTE OF TECHNOLOGY**

- 33 CoE faculty are members of the National Academy of Engineering
- All undergraduate engineering programs are ranked in the top 5 and graduate engineering programs are ranked in the top 7 nationally by U.S. News & World Report
- Georgia Tech is ranked 4th in Most Innovative Schools by U.S. News & World Report
- Georgia Tech’s CREATE-X initiative has helped students launch 300+ startup companies valued at more than $1.4B

**EMORY UNIVERSITY**

- 25 members of the National Academy of Medicine
- $382.7M in research funding for School of Medicine faculty in FY21 (No. 16 nationally in NIH dollars received)
- SOM has 582 medical students and trains 1,322 residents and fellows in 111 accredited programs.
- The new Health Sciences Research Building II opens this year with space for Coulter BME. It’s Emory’s largest research building to date.

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