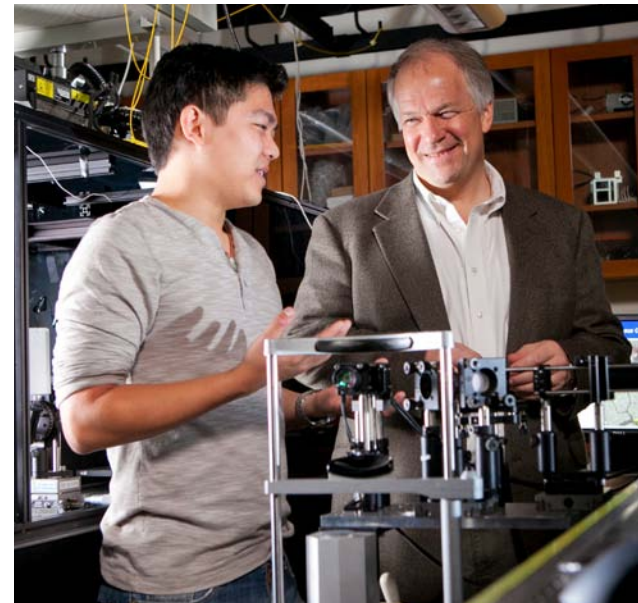
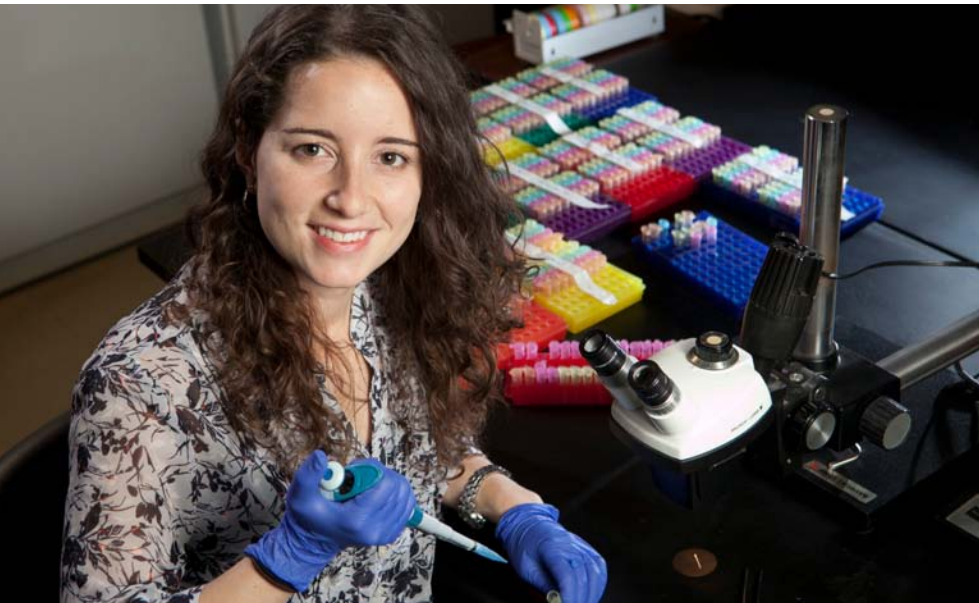


WHY CHOOSE BIOMEDICAL ENGINEERING?



Biomedical engineering (BME) applies engineering science to problems in biology and medicine. For example, biomedical engineers design medical instruments for detecting or treating diseases, develop artificial organs and tissues, and create nanoparticles for drug and gene delivery. Biomedical engineers often work hand-in-hand with clinical researchers to develop new technology or health treatments.

We stand out from the crowd.

Consistently ranked as one of the top biomedical engineering programs in the nation, Duke Biomedical Engineering provides a superior interdisciplinary research and education environment that prepares graduates to be leaders in integrating engineering and biology to detect and treat diseases.

Our signature areas of research include biomechanics, biomedical imaging, biomolecular and tissue engineering, and electrobiology and neuroengineering. We designed a flexible program so you can pursue your goals, whether through a double major or a signature senior design course that culminates your undergraduate experience—such as Devices for People with Disabilities or Engineering for the Developing World.

You can do research as an undergraduate.

More than 60 percent of Duke BME students participate in hands-on, laboratory research for formal class credit. Many apply to become Pratt Research Fellows or NAE Grand Challenge Scholars, or are involved in volunteer, summer, or paid research opportunities.

Recent projects by BME students:

- Electric-field-mediated gene delivery
- Validating a device to prevent HIV transmission in Africa
- Learning about drug resistance through imaging of cellular metabolism
- Designing a device to quantify limb rigidity in Parkinson's disease
- Mechanical properties and biocompatibility of capsule-embedded, self-healing bone cement
- Creating sustainable technologies for global women's health
- Novel polymers for rotator cuff tendon tissue engineering

Learn more: bme.duke.edu

AFTER GRADUATION

Our students go places.

Graduates of our program are prepared for professional employment in areas such as the medical industry, engineering consulting, biomechanics, and biotechnology; graduate work in biomedical engineering; or entrance into medical and professional schools.

More than half of our students go directly to work in the health care industry or other sectors after graduating, while the rest go on to graduate schools in various engineering or basic science disciplines, medical or dental schools, law school and business school.

Some places our recent graduates have gone:

Industry:

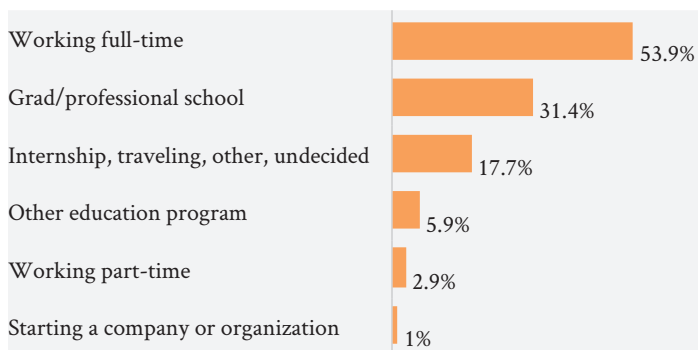
- Edwards Lifesciences
- Microsoft
- Procter & Gamble
- Medtronic
- St. Jude Medical

Graduate & Professional Schools:

- Harvard Medical School
- University of Oxford
- Baylor Medical School
- Stanford Law School
- Columbia University

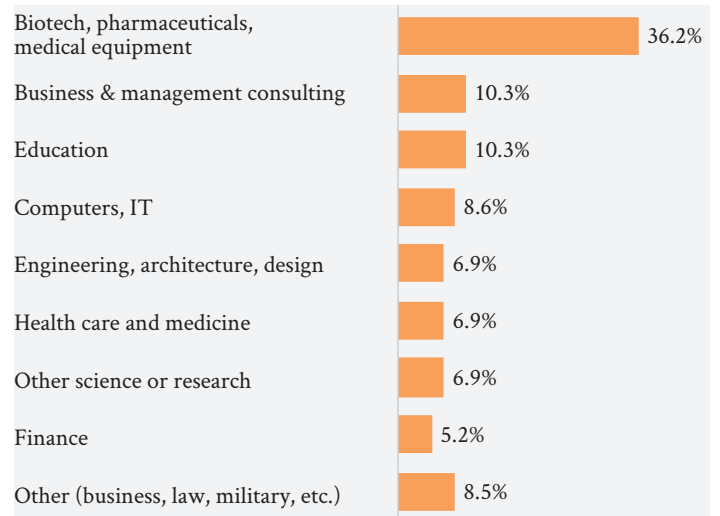
Duke's biomedical engineering program is ranked **#2** in the nation. *-U.S. News & World Report*

After-graduation plans for 2014 BME seniors:

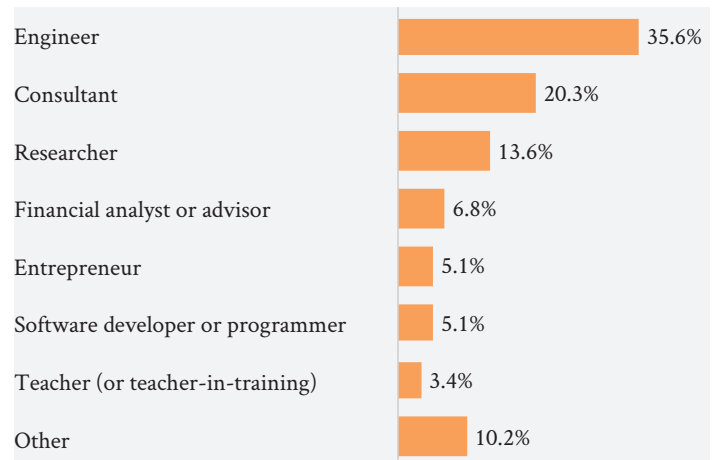


**Some students chose more than one answer.*

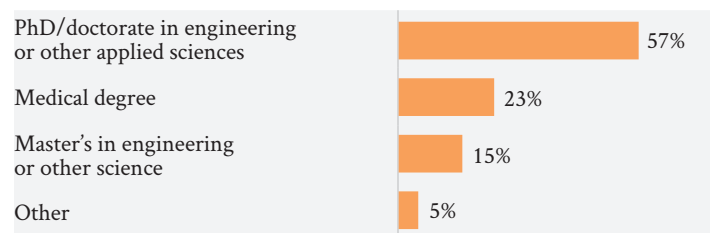
Area of employment for 2014 BME grads entering the workforce:



Type of position:



Plans for 2014 BME grads planning to directly enter graduate/professional school:



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