



*“When cancer is diagnosed early, there are more treatment options, and families can make better decisions. We’re **developing a lab-on-a-chip platform** and incorporating machine learning to look deeper into cells, **improve the odds of detecting disease**, and shorten the timeline to diagnosis. Lehigh’s Bioengineering department is just the right size, and the environment has been very supportive in helping me achieve my goals.”*

*Caroline Ferguson*  
PhD student

# BIOENGINEERING

Graduate Degree Programs

## Degrees offered

- MS, Bioengineering (on campus/hybrid)
- PhD, Bioengineering

## Lehigh Bioengineering—Where Engineering Innovation Impacts Health

Nanoscale structures. Large, complex, and interactive systems. Biocomputational modeling and machine learning. Innovative diagnostics and wearable technology. Bioengineers advance healthcare through new technologies and affordable, personalized solutions in the biopharmaceutical, biomedical, and health-related industries.

Lehigh University's graduate programs in bioengineering prepare students to be the innovators and leaders who take on tomorrow's healthcare challenges. Immerse yourself in a robust technical curriculum and engage with research-renowned faculty. Work across departmental boundaries to establish dynamic partnerships with industry, academic, and clinical partners, and dive into real-world experiences to advance your problem-solving skills.

**Choose Lehigh Bioengineering—and be empowered to impact the world!**

### Research

- **Biocomputational Modeling & Machine Learning**
- **Diagnostics, Sensors & Devices**
- **Biomaterials & Therapies**
- **Bioengineering Product Development**
- **Biomedical Analytics**

Bioengineering research at Lehigh is supported by an array of public and private sponsors, including the National Institutes of Health, National Science Foundation, U.S. Department of Health and Human Services, U.S. Air Force, Commonwealth of Pennsylvania, American Heart Association, and Massachusetts General Hospital.

### Graduate Placement

- **Arthrex**
- **AstraZeneca**
- **Bristol Myers Squibb**
- **Boston Scientific**
- **Lilly**
- **Memorial Sloan Kettering**
- **MIT**
- **Princeton U.**
- **Regeneron**

### Connect with Us

Visit [engineering.lehigh.edu/bioe](http://engineering.lehigh.edu/bioe) or scan the code to download the complete Bioengineering Graduate Degree Programs guide.



### Highlights

- **100%** funding for PhD tuition and stipend
- **3:1** student-to-faculty ratio
- **45%** of BioE graduate students are women
- **40%** of faculty hold prestigious NSF CAREER awards
- **55%** of PhD students published as primary/co-author and/or presented at a national meeting in 2021



## About Lehigh University

Recognized among the nation's premier research universities, Lehigh provides an academically rigorous experience to a community of more than 7,000 students.

Our small size, ideal student-to-faculty ratio, and vibrant campus allow students to collaborate on projects in and out of the classroom. Lehigh offers a "friendly community-oriented atmosphere on a hilly campus that is beyond beautiful," according to *The Princeton Review*.



[engineering.lehigh.edu/bioe](http://engineering.lehigh.edu/bioe)



To learn more, please contact:

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