



*“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

Lehigh University's graduate programs in bioengineering prepare students to be the innovators and leaders who take on tomorrow's healthcare challenges.

MS Program

Lehigh's Master of Science program in Bioengineering will provide you with the skill sets to pursue promising careers in challenging industry sectors where you can make an impact! Students in the 30-credit degree program can focus their studies in one of three concentrations:

- **Biomaterials**
- **Bioengineering Product Development**
- **Biocomputations and Biomedical Analytics**

Merit and alumni partial scholarships available for MS applicants

PhD Program

Lehigh's Doctor of Philosophy in Bioengineering provides innovative, interdisciplinary access to education and research. Immerse yourself in experiences that blend life sciences, physical sciences, and engineering, while forging dynamic partnerships with academic, industry, and clinical collaborators. This program prepares you to advance biomedical knowledge and pursue impactful careers in both industry and academia, ultimately contributing to human health. Key research areas include:

- **Biocomputations and Modeling**
- **Diagnostics, Sensors, and Devices**
- **Materials and Therapies**

100% funding for PhD tuition and stipend

Graduate Placement

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

Connect with Us

Visit engineering.lehigh.edu/bioe or scan the code to download the complete Bioengineering Graduate Degree Programs guide.



Highlights

- **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



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

To learn more, please contact:

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