Transforming health, from small steps to giant leaps

THE POWER OF PERSISTENCE

WELDON SCHOOL OF BIOMEDICAL ENGINEERING



EMMA SIMMONS
BSBME '21

> *I wanted to chose a major that would help people. In BME, subjects are interconnected. We see biomedical applications with a mechanical, electrical, and coding focus. We see how all of it works together to make biomedical engineering.*



WE TAKE DISCOVERIES FROM THE ACADEMIC LABORATORY DIRECTLY TO PATIENTS — ENABLING PEOPLE FROM ALL WALKS OF LIFE TO LIVE BETTER, SAFER, HEALTHIER LIVES.

THE NEXT GIANT LEAP STARTS WITH VISION, WITH CREATIVITY AND WITH NEW CONNECTIONS.

IT STARTS WITH PURDUE BIOMEDICAL ENGINEERS.

PURDUE UNIVERSITY

Weldon School of
Biomedical Engineering

THE NEXT

GIANT LEAP IN HEALTHCARE

STARTS WITH PURDUE BIOMEDICAL ENGINEERING

WE ASPIRE TO...

- Improve the quality of life for people around the world
- Solve problems at the interface of engineering and medicine
- Enjoy a career in an exciting, lucrative field where job prospects are skyrocketing

TYPICAL CAREER GOALS ARE...

- Design, build, test, and market medical devices
- Attend surgeries and advise doctors on the use of medical instruments
- Supervise laboratories and collaborate in studies at research institutions
- Teach at universities and medical schools
- With an MD degree, combine research with direct patient care
- Lead companies that manufacture and market new healthcare products

WE DEVELOP...

- Replacement organs, joints, tissues, and blood vessels
- Implantable cardiovascular and neural devices
- Instrumentation for patient monitoring and clinical testing
- Medical imaging systems
- Healthcare information systems
- ... and much more

GAINING EXPERIENCE WITH EVERY SMALL STEP

Through experiential learning opportunities such as study abroad, undergraduate research, co-op programs, and senior design projects, undergraduate students make key strides toward big discoveries and bigger ideas. In fact, our ties to industry are so strong that in any given semester, 15-30% of our students are completing a co-op or internship, earning 60-80% of what an entry-level engineer makes! Plus, our clinical exposure opportunities help our students decide if a medical degree is right for them.

PREPARING GRADUATES TO ADVANCE INDUSTRIES

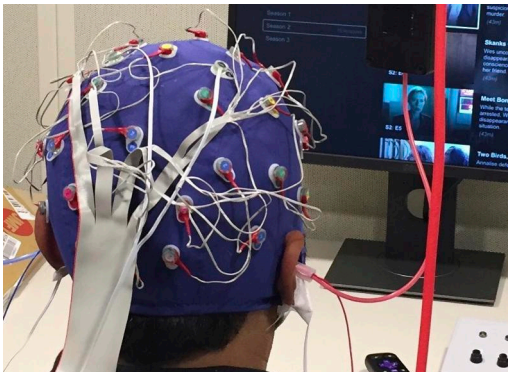
We offer a wide range of vital connections in the medical device, pharmaceutical and biotechnology industries, critical partnerships with peer institutions, and proven job placement opportunities. Thanks to resources like these, our students grow as engineers, and emerge ready to take on meaningful careers from the moment they graduate.

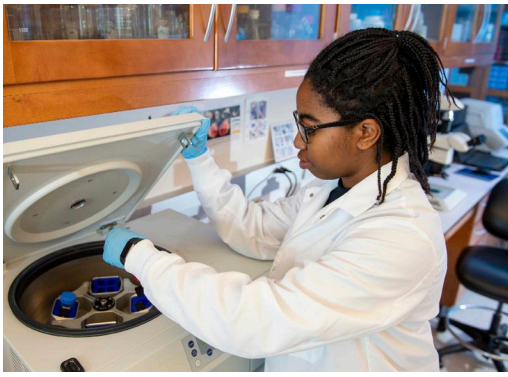
MAKING A REAL DIFFERENCE THROUGH RESEARCH

Through boundary-pushing research collaborations, students have many opportunities to translate their discoveries into effective medical products with a wide variety of applications. And our culture of faculty mentorship helps create opportunities for undergrads to engage in faculty-led research.

A WELCOMING COMMUNITY

There's something special about the Weldon School. We've noticed that there's a family feel among the people who come together in these spaces, making this a diverse environment where all perspectives are welcomed and everyone is respected.







JOB OUTLOOK

According to the US Bureau of Labor Statistics, careers in biomedical engineering are expected to grow 5% from 2019-2029 (faster than average), and the average starting salary for our BSBME graduates is $72,000.

LEARN MORE

To learn more about our undergraduate program, visit: *engineering.purdue.edu/BME/Academics/Undergraduate*

CONTACT US

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