Biomedical Engineering | Beyond Columbia

Studying Biomedical Engineering prepares me to . . .

Analyze, model, design and create biomedical engineering devices, systems, components, or processes

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Design, prototype, and test solutions to real-world problems at the interface of engineering and biology

—

Apply knowledge of engineering, science (biology, physiology, chemistry, physics), and math (calculus, statistics)

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Conduct experimental and secondary source research

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Measure, analyze, and interpret data, including from living systems

—

Collaborate on multidisciplinary teams

—

Clearly communicate technical information orally and in writing

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Evaluate biomedical solutions in relation to patient health, healthcare costs, regulatory issues, and ethics

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Conduct competitive analysis and develop business plans for biomedical devices and solutions

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Understand the social and global impact of engineering solutions

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Biomedical Engineers process images of physiological structures to diagnose and treat diseases

Learn about the undergraduate BME program: bme.columbia.edu

COLUMBIA UNIVERSITY CENTER FOR
Career Education

What are recent alumni doing?

A sample of places where department alumni started their careers.

JOB TITLE	ORGANIZATION	INDUSTRY
Bioinformatics Researcher	HSS	Healthcare
Consumer Experience Analyst	Allergan	Pharmaceuticals
Investment Analyst	Prudential	Finance
Research Specialist	Shearman SHEARMAN & STERLING	Legal
Clinical Case Planner	THINK SURGICAL	Healthcare Technology
Scientist	SAMSUNG	Technology
Business Tech Analyst	Deloitte.	Finance
Research Associate	Yale	Education
Data Analyst	NYU Langone Health	Healthcare
Marketing and Growth Data Analyst	Glossier.	Consumer Goods
Technical Problem Solver	Epic UserWeb	Technology
Consulting Analyst	accenture	Consulting

Graduate School

Recent alumni entered MA, DDS, MS, and PhD programs at . . .

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

JOHNS HOPKINS UNIVERSITY

BROWN

NYU

Yale

For more industries and job titles to explore, visit What Can I Do With This Major at cce.columbia.edu/thismajor or schedule a meeting with a CCE career counselor.