

# MINOR IN BIOMEDICAL ENGINEERING

GW's Biomedical Engineering program is an innovative field that takes advantage of the unique combination of resources and opportunities through connections with GW's School of Medicine and Health Science and GWU Hospital. This program also has well-developed relationships with biotech industries and world-class laboratories in the D.C. metropolitan area. Students can choose from a broad range of disciplines such as biomechanics, electrical engineering, physiology, biology, and biotechnology. Students are well-prepared with what they learn in the classroom as well as with what they learn in specialty laboratories, internships, and design seminar. Whether students want to be a doctor, researcher, or clinician or work as a business partner to develop these technologies, the biomedical engineering degree will prepare students for their future career.

Visit the program website (<http://www.bme.seas.gwu.edu/programs-degrees/>) for additional information.

## ADMISSIONS

For more information on the admission process, please visit the Office of Undergraduate Admissions website. Applications may be submitted via the Common Application.

Supporting documents not submitted online should be mailed to:  
Office of Undergraduate Admissions  
The George Washington University  
800 21st Street NW, Suite 100  
Washington DC 20052

Contact for questions:  
[gwadm@gwu.edu](mailto:gwadm@gwu.edu) or 202-994-6040

## REQUIREMENTS

Code	Title	Credits
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### Prerequisites

The following courses must be completed before beginning the minor program:

APSC 2113	Engineering Analysis I
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PHYS 1022	University Physics II
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### Required

BME 3820	Engineering Analysis of Neural, Muscular, and Cardiovascular Physiology
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ECE 2110	Circuit Theory
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ECE 2210	Circuits, Signals, and Systems
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### Electives

Two of the following:

BME 4830	Introduction to Medical Imaging Methods
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ECE 3220	Introduction to Digital Signal Processing
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MAE 3128	Biomechanics I
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MAE 4168	Introduction to Biomaterials
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PHYS 3127	Biophysics: Macroscopic Physics in the Life Sciences
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PHYS 3128	Biophysics: Microscopic Physics in the Life Sciences
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