

The PhD program in biomedical engineering is strongly interdisciplinary and designed to prepare students to apply engineering principles to problems in medicine and biology, to understand and model multiple attributes of living systems, and to use this knowledge to develop novel biomedical systems and devices. Students can choose from among a wide array of areas of study, mentored by both core departmental faculty and external faculty from the School of Engineering and Applied Science and other schools of the University. These faculty members qualify on the basis of their expertise and teaching abilities for joint or secondary appointments in the Department of Biomedical Engineering. Core faculty expertise includes cancer therapy, cardiac electrophysiology, biosensors, microfluidics, ultrasound applications in medicine, and medical imaging and image analysis.

The program is offered on GW's main campus in Foggy Bottom and takes full advantage of the close proximity of the department to the University's School of Medicine and Health Science, Milken Institute School of Public Health, and GW Hospital. Their interactions are supplemented by collaborations that take advantage of nearby clinical and research facilities, including the Children's National Health System and federal agencies such as the Food and Drug Administration and National Institutes of Health.

Visit the [department website](#) for additional information.