

# DEPARTMENT OF BIOMEDICAL ENGINEERING

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Professor and chair

[biomedical.egr.vcu.edu \(https://egr.vcu.edu/departments/biomedical/\)](https://egr.vcu.edu/departments/biomedical/)

The Department of Biomedical Engineering offers programs at the baccalaureate, master's and doctoral level.

Biomedical engineering provides in-depth study in a variety of specialization areas including biomedical imaging systems, orthopaedic biomechanics, tissue and cellular engineering, biomaterials, artificial organs, human-computer interfaces, cardiovascular devices, rehabilitation and human factors engineering. The programs allow students to participate in cutting-edge research in one of the nation's most advanced engineering facilities. The department has ongoing collaborations with numerous industries, federal laboratories, the VCU science departments, the university's MCV Campus, the Hunter Holmes McGuire Veterans Affairs Medical Center, the Virginia BioTechnology Research Park and numerous biomedical and clinical programs throughout the VCU Medical Center's MCV Hospitals.

Students who complete the requirements for the below will receive a Doctor of Philosophy in Biomedical Engineering.

- Biomedical Engineering, Doctor of Philosophy (Ph.D.) (<https://bulletin.vcu.edu/graduate/school-engineering/biomedical-engineering/biomedical-engineering-phd/>)

Students who complete the requirements for the below will receive a Master of Science in Biomedical Engineering.

- Biomedical Engineering, Master of Science (M.S.) (<https://bulletin.vcu.edu/graduate/school-engineering/biomedical-engineering/biomedical-engineering-ms/>)