

BIOMEDICAL ENGINEERING, PH.D.

Degree Requirements (60 Post-Baccalaureate Hours)

Requirements for the Ph.D. degree in biomedical engineering fall into four categories: course requirements, the qualifying examination, the comprehensive examination, and the doctoral dissertation. Additionally, students must submit at least three papers for publication in peer-reviewed technical journals prior to graduation.

The Ph.D. degree in biomedical engineering requires 60 credit hours of graduate level work beyond the B.S. degree. Students who enter the program with a bachelor's degree must complete:

Core BMEN Courses (12 Hours)

Course	Title	Credits
BMEN 710	Modeling and Simulation of Biomedical System	3
BMEN 713	Human Cell and Molecular Biology for Biomedical Engineers	3
BMEN 720	Transport Phenomena in Biomedical Systems	3
BMEN 723	Anatomy and Physiology for Biomedical Engineers	3
Total Credit Hours		12

BMEN or Other Approved Electives (15 Hours)

Seminar (3 Hours)

Course	Title	Credits
BMEN 795	Biomedical Engineering Literature	1
BMEN 798	Graduate Seminar in Biomedical Engineering	1
BMEN 898	Doctoral Seminar in Biomedical Engineering	1
Total Credit Hours		3

Research (18 Hours)

Course	Title	Credits
BMEN 797	Biomedical Engineering Doctoral Research	1-12

Dissertation Preparation (12 Hours)

Course	Title	Credits
BMEN 899	Biomedical Engineering Doctoral Dissertation Preparation	12
Total Credit Hours		12