

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	18
Total Credit Hours		18

Dissertation Preparation (12 Hours)

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