

Biomedical Engineering — PhD

The required coursework includes 60 credit hours, comprised of 30 graded credit hours and 30 ungraded research and dissertation or graduate seminar credit hours. Two semesters of graduate teaching assistantship are also required to solidify core knowledge.

The PhD qualifying examination consists of a written NIH-style proposal followed by a preliminary oral examination administered by the research advisory committee. The research advisory committee is comprised of at least four faculty members, including at least three engineering faculty members, one of whom is the chair or co-chair of the committee. The student advances to candidacy upon successful completion of the PhD qualifying and preliminary oral examinations.

Successful completion requires unanimous approval of the research advisory committee. The PhD final defense consists of a written dissertation followed by a final oral examination administered by the research advisory committee. A university reader will also be appointed to review the dissertation. Successful completion again requires unanimous approval of the research advisory committee.

Code	Title	Hours
Select 3 hours:		3
BMEN 6810	Fundamentals of Biomed. Engr. (CHEN 6810 can sub for BMEN 6810)	
BMEN 6840	Computational Biomedical Eng.	
BMEN 6850	Quantitative Physiology	3
BMEN 6860	Biomed Eng Management, Ethics (GRAD 8200 can sub for BMEN 6860)	3
BMEN 6870	Quant. & Math. Methods in BME (WILD 6750 can sub for BMEN 6870)	3
Engineering Elective		3
Engineering Technical Electives		15
BMEN 8990	Research and Dissertation (credit hours vary)	29
BMEN 7950	Graduate Seminar (once annually when offered)	1
Total Hours		60