

Biomedical Engineering — MS

The Biomedical Engineering Master of Science degree may be earned under a thesis or non-thesis option, both of which may be completed entirely online.

MS Thesis Option

The required coursework includes 30 credit hours, comprised of 21 graded credit hours and 9 ungraded, research thesis and graduate seminar credit hours. One semester of graduate teaching assistantship to solidify core knowledge is also required.

The thesis defense consists of a written thesis followed by an oral examination administered by the research advisory committee. The research advisory committee is comprised of at least three faculty members, including at least two engineering faculty members, one of whom is the chair or co-chair of the committee. Successful completion requires unanimous approval of the research advisory committee.

Code	Title	Hours
BMEN MS Thesis Option		
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 (6000-8000)		6-8
BMEN 7990	Research and Thesis (6 hours)	6
BMEN 7950	Graduate Seminar (May be repeated for up to three (3) credit hours)	1
Total Hours		30

Code	Title	Hours
BMEN MS Non-Thesis Option		
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
Engineering Elective		3
Engineering Technical Electives		21
Total Hours		30