

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

The overall objective of the Master of Science in Biomedical Engineering degree is to provide training relevant to professional employment in a BME-related field. A minimum total of 32 credit hours is required for this degree, of which at least 24 credit hours must come from coursework; six to eight credit hours of research are required. This degree requires completion of a written dissertation and a subsequent oral defense of it before an approved master's thesis examination committee.

Admission Criteria

Because the M.S. degree requires the time and frequently the resources of a faculty mentor to be available in order to adequately execute the research component of the degree, the BME department will admit candidates who not only have the credentials suitable for this degree but for which a department faculty member consents to serve as the candidate's research mentor.

Curriculum

Requirement	Credits
Minimum Degree Credits	32
Maximum 400-Level Credit	9

Code	Title	Credit Hours
Required Courses		(12)
BME 500	Intro to Biomedical Engrg	3
BME 522	Math Methods in BME	3
BME 533	Biostatistics	3
BME 553	Quantitative Physiology	3
Elective Courses		(12)
Select six credit hours of 400- or 500-level life science and/or advanced mathematics and/or engineering courses with adviser approval		6
Select six credit hours of 400- or 500-level BME courses with adviser approval		6
Thesis Research		(6-8)
BME 591	Research & Thesis MS Degree	6-8