

Department of Biomedical Engineering
Curriculum Summary for the PhD Degree
For students entering before Fall, 2005

Required Courses: (8 credits) No Exemptions

Course Number	Course Title	Credits
BMME 100	Introduction to BME	1
BMME 300 or BMME 301 or BME 620	Lab Rotation in BME	1
BMME 394 or BME 895	Doctoral Dissertation	6

Required Courses: (11 credits)

- Exemptions for Probability and Statistics are only permitted for students with at least 3 hours of coursework in advanced undergraduate or graduate probability and statistics.
- Exemptions for the Life Science requirements are only permitted for students with at least 8 hours of equivalent graduate-level life science coursework.
- Exempted courses are not applied to the total credit hours requirement.

Course Numbers	Requirement	Credits
BMME 181, BMME 281, BMME 151, BMME 251, PHY 503, PHY 504, and/or other courses from list of graduate-level life science courses approved by the department or by the academic advisor	Life Sciences	8 minimum
BIOS 150 or STAT 515	Probability and Statistical Inference	3

Approved Electives: (33 credits or more)

- BMME or BME courses, courses in other departments listed in “BME Course Descriptions,” or courses listed in recommended curricula for specific programs of study do not require prior approval of the academic advisor.
- All courses not meeting the above conditions are subject to approval of the academic advisor.
- At least six courses must be at the 200 or 700 level.

Elective	Course Number and Title	Credits
200-level or 700-level elective		
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_____ **Total credit hours requirement:** (52 credits)

- Basic engineering mathematics courses ([MATH 128](#), [MATH 129](#)) do not apply

_____ **Teaching/Seminar Requirement:**

- At least two class periods or seminars

Course Number or Seminar Location	Date	Course Director or Seminar Sponsor

_____ **Required Course in Responsible Conduct of Research:** Date _____

_____ **PhD Qualifying Examination:** Date _____

_____ **PhD Written Examination:** Date _____

_____ **Doctoral Oral Examination (Proposal):** Date _____

_____ **Final Doctoral Oral Examination (Defense):** Date _____

_____ **Approved Dissertation:** Date _____