General BME: Graduate Curriculum

BME Core required (11 Credit Hours)

BME5401 Biomedical Engineering & Physiology I 3
BME6010 Clinical Preceptorship 3
BME 6936 BME Seminar (Fall and Spring) 2

BME Core Math requirement (choose 1 of 2):
- BME5703 Statistical Methods for BME 3
- or BME5704 Advanced Computational Methods for BME 3

BME Core Electives (9 Credit Hours)

A BME Core Elective is any graduate course having a BME prefix (excluding BME 6905, BME 6910, BME 6940, BME 6971, BME 7979, BME 7980).

BME Electives (10 Credit Hours)

All BME elective courses require approval from the student's supervisory committee (chair). Allowable courses are all graduate courses offered by the COE or COM.

BME Research

Research under the supervision of a supervisory committee is conducted by students in the MS Thesis and PhD programs. MS Thesis research is conducted under the BME 6971 (Research for Master’s Thesis). Research and projects completed as part of a non-thesis MS program are considered to be the final examination for the MS degree for non-thesis students and are conducted under BME 6907 (BME Project). PhD Dissertation research is conducted under BME 7979 prior to completing the Qualifying Exam and BME 7980 once the qualifying exam is completed.

BME Graduate Seminar

MS Students are required to enroll in BME 6936 Fall and Spring semester of their first year. PhD students may defer the required enrollment in BME 6936 to later years, but must enroll in a Fall and Spring offering.

Program Credit Totals

MS/ME: 30 credits

PhD: 90 credits

Supervised Teaching: PhD students are required to enroll for two semesters of BME 6940 Supervised Teaching for a total of 6 credit hours.