

Biomedical Engineering - M.S. Curriculum

The following FOUR core courses or their equivalent must be successfully completed by all doctorate seeking students.

| Course # | Course Title | OTR | Units |
|-----------------|---|------------|--------------|
| BIM 202 | Cell/Molecular Biology for Engineers | F | 4 |
| BIM 204 | Physiology for Engineers | F | 5 |
| BIM 281 | Acquisition and Analysis of Biomedical Signals | S | 4 |
| BIM 283 | Statistical Design of Experiments for BME (OR) | S | |
| BIM 284 | Mathematical Methods for Biomedical Engineering | W | 4 |

Technical electives are required to build a cohesive academic training. Technical electives should be selected in consultation with a Graduate Advisor.

Additional electives are required to fulfill a minimum total of 28 letter-graded units for MS Plan I and 36 letter-graded units for MS Plan II. These courses should be selected in consultation with your major professor and/or the graduate advisor to develop a strong academic coursework sequence. For approved courses, consult the Extended List of Common Graduate Electives in Biological and Medical Sciences. The Graduate Group may approve other topics.

MS Plan I students must complete at least 28 letter-graded units including a minimum of 18 graduate engineering units. Additional BIM 290 courses must be taken to reach 30 units.

MS Plan II students must complete at least 36 letter-graded units including a minimum of 24 graduate engineering units. Additional BIM 290 courses must be taken to reach 38 units.

MS Graduate Coursework Checklist Name: _____

Plan I or II (circle)

CORE (17 units):

| Course | Quarter | Units | Grade |
|--|---------|-------|-------|
| BIM 202 Cell/Molecular biology for engineers | F | 4 | |
| BIM 204 Physiology for Bioengineers | F | 5 | |
| BIM 281 Acquisition & Analysis of Biomedical Signals | S | 4 | |
| BIM 283 Statistical Design of Experiments for BME (OR) | S | | |
| BIM 284 Mathematical Methods for BME | W | 4 | |

Elective (11-19 units, depending on plan):

| Course | Quarter | Units | Grade |
|--------|---------|-------|-------|
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Other Course Requirements:

| Course | Requirement Complete |
|---|----------------------|
| BIM 290 BME Seminar (each quarter until advanced) | |

Graduate Advisor _____ Date _____