BIOMEDICAL ENGINEERING
BS/MS

Degree Requirements

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (https://catalogs.northwestern.edu/tgs/academic-policies-procedures).

BS/MS

BS/MS Degree without Thesis

• These requirements are the same as "MS-Only without Thesis". BS/MS students will take two advanced life science courses instead of the two advanced systems physiology courses.

BS/MS Degree with Thesis

• These requirements are the same as the "MS-Only with Thesis" unless the student participates in an accelerated, thesis-based program for outstanding undergraduates who have established research relationships with BME faculty members as outlined below. BS/MS students will take two advanced life science courses instead of the two advanced systems physiology courses.

Accelerated BS/MS Degree with Thesis

Admission Requirements (no exceptions):

• 3.5 grade point average or higher in undergraduate studies
• Have conducted at least two quarters of undergraduate research (399 or paid research) with chosen advisor
• Approval by Director of the MS Program

Total Units Required: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BMD_ENG 499-0 Projects</td>
<td>Research for Credit (3 units)</td>
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<tr>
<td></td>
<td>Quantitative science and engineering courses from approved list or by permission (3 units)</td>
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<tr>
<td>Advanced statistics course from approved list or by permission (1 unit)</td>
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<tr>
<td>Engineering and sciences courses (1 unit)</td>
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<tr>
<td>Restricted electives (1 unit)</td>
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<tr>
<td>BMD_ENG 512-0</td>
<td>Graduate Research Seminar in Biomedical Engineering (3 quarters - 0 units)</td>
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1 Courses in the following areas may not count: research for credit (BMD_ENG 499-0 Projects), global health (except BMD_ENG 380-0 Medical Devices, Disease & Global Health), business, design, NUvention (except for 1 quarter of NUvention Medical), seminar, or survey courses.

2 Students may take design, global health, and business classes to fulfill this category. Students taking a basic statistics course may count it towards this category. Students may opt to take additional math/science/engineering courses to fulfill this category as well.

Other Requirements

• Examinations: defend Master’s thesis
• Research/Projects: see Master’s thesis
• Master’s Thesis: required