The Ph.D. program will require a total of 90 credit hours beyond the B.S. degree in the following categories:

- 24 credit hours of core biomedical engineering courses
- 21 credit hours of track courses
- 3 credit hours of seminars, with additional BME 6001 seminar courses recommended each semester in the program with a maximum of seven
- 36 credit hours of research
- 6 credit hours of dissertation

The M.S. program will include the first 24 course credit hours listed above, along with 3 credit hours of technical electives, 3 credit hours of seminars, and 6 thesis credit hours

Applicants from countries where English is not the first language are required to demonstrate English proficiency. Please consult the graduate school (http://catalog.utep.edu/admissions/graduate/graduate-student/) website for required scores.

## Degree Plan

Required Credits: 90

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>PhD in Biomedical Engineering</strong></td>
<td></td>
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<tr>
<td><strong>Research:</strong></td>
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<tr>
<td>Select thirty-six hours of the following:</td>
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<tr>
<td>BME 6193</td>
<td>Doctoral Clinical Research</td>
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<td>BME 6194</td>
<td>Doctoral Research</td>
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</tr>
<tr>
<td>BME 6294</td>
<td>Doctoral Research</td>
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</tr>
<tr>
<td>BME 6394</td>
<td>Doctoral Research</td>
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</tr>
<tr>
<td>BME 6494</td>
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<tr>
<td>BME 6594</td>
<td>Doctoral Research</td>
<td></td>
</tr>
<tr>
<td>BME 6694</td>
<td>Doctoral Research</td>
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<tr>
<td><strong>Seminars:</strong></td>
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<td>Select three hours of the following:</td>
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<tr>
<td>BME 6101</td>
<td>Doctoral Research Symposium I</td>
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<tr>
<td>BME 6102</td>
<td>Doctoral Research Symposium II</td>
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<td>BME 6001</td>
<td>Doctoral Seminar</td>
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<td><strong>Required Courses:</strong></td>
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<td>BIOL 6304</td>
<td>Physiological Regulatory Mech</td>
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<tr>
<td>BME 6192</td>
<td>Clinical Rotations for Eng</td>
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<tr>
<td>BME 6196</td>
<td>Medical Device Practicum</td>
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<td>BME 6301</td>
<td>BME for Global Health</td>
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<tr>
<td>BME 6302</td>
<td>Telemedicine &amp; Imaging Info</td>
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<td>BME 6303</td>
<td>Research &amp; Lab Methods</td>
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<tr>
<td>BME 6304</td>
<td>BME Device Design &amp; Regulation</td>
<td>3</td>
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<tr>
<td>DRSC 6495</td>
<td>Anatomy for Rehab Sciences</td>
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<tr>
<td>MGMT 6314</td>
<td>Corporate Entrepreneurship</td>
<td>3</td>
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<td><strong>Prescribed Electives:</strong></td>
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<td>Select four courses of the following:</td>
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<td>BME 6310</td>
<td>Biomaterials</td>
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<td>BME 5312</td>
<td>Tissue Engineering</td>
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<tr>
<td>BME 6313</td>
<td>Biomechatronics</td>
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<td>BME 6321</td>
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<td>Course Title</td>
<td>Notes</td>
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<tr>
<td>BME 6351</td>
<td>Physiological Measurements</td>
<td>C. Course currently in degree plan, but no longer offered. Please see advisor for substitution.</td>
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<td>BME 5353</td>
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</table>

**Free Electives:**

Select nine additional hours of graduate courses 9

**Dissertation:**

BME 6398 & BME 6399 6

Dissertation

Total Hours 90