## Doctoral Degree Plan: From a bachelor’s degree in Engineering

<table>
<thead>
<tr>
<th>Advisory Committee</th>
<th>Degree Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advisor/Mentor/Chair</td>
<td><strong>Ph.D.</strong></td>
</tr>
<tr>
<td>BMEN Faculty Member</td>
<td>96 hours beyond B.S., 64 hours beyond M.S.</td>
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</tbody>
</table>

**Ph.D.- 4 member minimum**

**Advisor (BMEN)**

**2 BMEN Faculty**

**Faculty outside of BMEN**

**Courses:**
- 12 hrs – BMEN courses
  - *Not including 4/685s*
- 9 hrs – Electives*
  - *May not include 4/685's*
  - *Includes 1 Life Science Elective*
- 3 hrs – BMEN 674 (Communications)
- 4 hrs – BMEN 681 (Seminar)
- Research as required (BMEN 691)
- Other courses as required
  - *Prereqs/leveling courses*

**Preliminary Exam (includes Proposal Defense)**

**Dissertation and defense**

**Courses:**
- In addition to PhD course requirements:
  - 16 hrs internship (BMEN 684) replaces research hours
  - Specially appointed committee member
  - Other courses as required
  - *Prereqs/leveling courses*

**Dr. of Engr. Qualifying Exam**

**Final Exam**

**Record of Study (replaces dissertation)**

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**Note:** The hour requirements reflected in these degree plans represent the **minimum** departmental requirements. Students may elect to take more courses and/or the student’s committee or chair may require more hours than what is listed on these degree plans.