Biomedical Engineering
Department of Biomedical Engineering
Program Requirement Checklists
Summer 2013 – Spring 2014

Master of Science – Biomedical Engineering.................................................................2

Doctor of Philosophy – Biomedical Engineering...........................................................3
**Degree:** Master of Science – Biomedical Engineering  
**Matriculation Term:** Summer 2013  Fall 2013  Winter 2014  Spring 2014

**M.S. Thesis Degree Requirements:**
- [ ] 45 credits, although additional credits may be required by the SPC to address important skills and knowledge missing from background preparation
- [ ] Cumulative GPA at or above 3.0
- [ ] ≥ 24 credits of BME 503 – M.S. Thesis Research
- [ ] A written thesis and oral defense

**Curriculum:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Term</th>
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<tbody>
<tr>
<td>BME 507 – Biomedical Engineering Seminar</td>
<td>0</td>
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<td>(minimum 3 terms; every term recommended)</td>
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<td>CONJ 650 – Principles of Scientific Conduct and Practice</td>
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<td>MATH 530 – Probability and Statistical Inference</td>
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- [ ] Four (4) additional courses (with prior approval of advisor):
  - ____________________________________________________________  ____  ____  ____
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  - ____________________________________________________________  ____  ____  ____
  - ____________________________________________________________  ____  ____  ____

- [ ] Additional courses that may be required by SPC to address important BME skills and knowledge missing from background preparation:
  - ____________________________________________________________  ____  ____  ____
  - ____________________________________________________________  ____  ____  ____

- [ ] At least twenty-four (24) credits of Masters Thesis Research (BME 503):
  - ____________________________________________________________  ____  ____  ____
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**Degree:** Doctor of Philosophy – Biomedical Engineering  
**Matriculation Term:** Summer 2013 Fall 2013 Winter 2014 Spring 2014

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<th>Student: __________________________</th>
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**Degree Requirements:**

- Cumulative GPA at or above 3.0  
- Qualifying exam: 1) approval of dissertation proposal by advisory committee; 2) oral, public presentation of the dissertation proposal; 3) oral exam on chosen specialty and core BME topics  
- Date qualifying exam completed: __________________________ 
- Advancement to Ph.D. candidacy after required coursework and passing qualifying exam  
- Date of advancement: __________________________  
- ≥ 54 credits of BME 603 – Ph.D. Dissertation Research (begun after advancement to candidacy)  
- Doctoral dissertation that documents a significant, original research contribution of publishable quality in both content and presentation – written dissertation and oral defense  
- ≥ 135 credit hours of course and research credits

**Curriculum:**

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<th>Credits</th>
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- The following courses are required:
  - BME 607 – Biomedical Engineering Seminar  
    (minimum 3 terms; every term recommended)  
    - 0 ______  
    - 0 ______  
    - 0 ______  
  
  - CONJ 650 – Principles of Scientific Conduct and Practice  
    - 1 ______  
  
  - MATH 630 – Probability and Statistical Inference  
    - 3 ______  

- Four (4) additional courses (with prior approval of advisor):
  
- Additional courses that may be required by SPC to address important BME skills and knowledge missing from background preparation:
  
- BME 601 – Pre-qualifying Ph.D. Research
  
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≥ 54 Credits of BME 603 *Ph.D. Dissertation Research*

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