Biomedical Engineering
Department of Biomedical Engineering
Program Requirement Checklists
Summer 2011 – Spring 2012

Degree: Master of Science – Biomedical Engineering......................................................... 2
Degree: Doctor of Philosophy – Biomedical Engineering....................................................... 3
Degree: Master of Science – Biomedical Engineering
Matriculation Term: Summer 2011 Fall 2011 Winter 2012 Spring 2012

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:

☐ The following courses are required:

   BME 507 – Biomedical Engineering Seminar (3 terms minimum; every term recommended)
   CONJ 650 – Principles of Scientific Conduct and Practice
   MATH 530 – Probability and Statistical Inference

☐ 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:

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☐ 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 2011   Fall 2011   Winter 2012   Spring 2012

**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)

- 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
☐ ≥ 54 Credits of BME 603 *Ph.D. Dissertation Research*