Biomedical Engineering

Department of Biomedical Engineering
Program Requirement Checklists
Summer 2010 – Spring 2011

Degree: **Master of Science – Biomedical Engineering**

Matriculation Term: **Summer 2010 Fall 2010 Winter 2011 Spring 2011**

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:	**Credits**	**Grade**	**Term**
❒ *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):*			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
❒ *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):*			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Degree: **Doctor of Philosophy – Biomedical Engineering**

Matriculation Term: **Summer 2010 Fall 2010 Winter 2011 Spring 2011**

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:	**Credits**	**Grade**	**Term**
❒ *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	__2__	_____	_____
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*			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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