Bioengineering PhD Degree Requirements  
Revised: 03-06-12

Student: _____________________________________________

Studies Committee:                                         Department          Signature          Date

____________________________________  ____________________________  ____________________________  __________
Chair                                                                                                  

____________________________________  ____________________________  ____________________________  __________
Advisor                                                                            

____________________________________  ____________________________  ____________________________  __________
Co-Advisor                                                                                  

____________________________________  ____________________________  ____________________________  __________
External member                                                                           

Degree program outline sent to Graduate College  □
(Must be done prior to the 3rd semester of study)          

Core Courses (17 credits)
The following courses, or their equivalents, are required.

1. CS302/CSYS302 Complex Systems (3 credits) □

2. ME312/CSYS312 Advanced Bioengineering Systems (3 credits) □

3. MPBP 301 & 302 Human Physiology & Pharm (8 credits) □

4. Advanced Math or Statistics Course (3 credits) □

Technical Electives (≥13 credits)
A minimum of 13 credits of approved course work in engineering, math, physics together with anatomy, physiology, biology, biochemistry, biophysics or other approved courses at or above the 200 level as necessary to round out the student’s pursuit of graduate level competence in both quantitative methods and biomedical systems. These courses will be decided by the student in consultation with the Studies Committee, and the Committee Chair will sign off when each course is successfully completed.
5. Course: __________________________________________

6. Course: __________________________________________

7. Course: __________________________________________

8. Course: __________________________________________

9. Course: __________________________________________

Teaching requirements:
Either □ giving three research seminars, or
□ serving as a GTA for one semester

Comprehensive Examination
(Must be taken by the end of the 4th semester of study)

Thesis (≥45 credits)

Proposal
(Must be completed by the end of the 6th semester of study)

Defense