



# BIOMEDICAL ENGINEERING

## PhD in Biomedical Engineering Curriculum Guide

UD ID#: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Advisor: \_\_\_\_\_ Admit term: \_\_\_\_\_

### Core Courses

Course #	Course Name	Credits	Semester	Grade
__ BISC 605	Advanced Mammalian Physiology	3		
__ BMEG 606	Principles of Biomedical Engineering II	3		
__ BMEG 801	Communication in Biomedical Engineering	3		

### Core – Advanced Math – Take One

Course #	Course Name	Credits	Semester	Grade
__ BMEG 671	*Mathematical Physiology (preferred)	3		
__ MATH 607	Survey of Scientific Computing			
__ MATH 616	Modeling in Applied Mathematics			
__ MEEG 690	Intermediate Calculus			

### Core - Statistics– Take One

Course #	Course Name	Credits	Semester	Grade
__ BISC 643	Biological Data Analysis	3		
__ STAT 608	Statistical Research Methods			

### Technical Electives See list in Student Handbook (12 credits needed – level 600 or higher)

Course #	Course Name	Credits	Semester	Grade
__		3		
__		3		
__		3		
__		3		

### Research

Course #	Course Name	Credits	Semester	Grade
__ BMEG 868	Research	3		

### Teaching Aide

Course #	Course Name	Credits	Semester	Grade
__		na		na

### Seminar Series (3 semesters)

Course #	Course Name	Credits	Semester	Grade
__ BMEG 890		0		
__ BMEG 890		0		
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\_\_\_\_ **Qualifying Exam:** Taken in summer after first year, after five classes. Date taken: \_\_\_\_\_

\_\_\_\_ **Cumulative GPA 3.0 or better** (see website for details) Current GPA: \_\_\_\_\_

\_\_\_\_ **Graduate Seminar Presentation (3<sup>rd</sup> or 4<sup>th</sup> Yr. students)** Dates: \_\_\_\_\_

\_\_\_\_ **Establish Dissertation Committee**

\_\_\_\_ **Candidacy Form** to the Office of Graduate and Professional Education

**Dissertation Research (9 credit hours)**

Course #	Course Name	Credits	Semester	Grade
__ BMEG 969	Doctoral Dissertation	9		
__ BMEG 964	Pre-Candidacy Study (may be registered before candidacy) up to 9 credits			

Become Sustaining & register for UNIV 999 Each semester

Course #	Course Name	Credits	Semester	Grade
__ UNIV 999	Doctoral Sustaining			
__ UNIV 999	Doctoral Sustaining			