

DOCTOR OF PHILOSOPHY IN ENGINEERING (ABE) PLAN OF STUDY

Name:		ID:	
DATE:	email:	SPECIALIZATION: ABE	
REQUIRED: Minimum of <u>90 credits beyond the BS degree, including 40 credits of coursework.</u>			
A. Advanced engineering math – minimum 2 courses (6 credits) <i>Allowable courses are listed on the PhD in Engineering program website. Please enter the course name in the provided box.</i>		Semester	Grade
BME 770 Biomedical Signal Processing	CR		
	CR		
B. Graduate non-engineering courses — minimum 2 courses (6 credits) <i>Courses must be taken outside the College of Engineering. These courses may be 500 level or above. They must be approved by your research advisor. The courses must be acceptable for credit towards the graduate degree of the offering department.</i>			
BIO 624/824 Foundations of Biomedical Physiology	CR		
	CR		
C. Research Communications - minimum 2 courses (4 credits)			
ESC 720 Research Communications, or <i>approved alternate course (see PhD in Engineering web page)</i>	CR		
BME 850/ESC 850 BME Seminar or Doctoral Seminar	1 CR		
D. Specialization Requirements – minimum 12 credits			
BME 553/753 Cell and Tissue Biology	CR		
BME 658/758 Medical Devices	CR		
BME 580 Biomedical Instrumentation	CR		
BME 655/755, 659/759, or 651/751	CR		
	CR		
	CR		
E. Specialization Electives – minimum 12 credits <i>Any engineering course at the 600 or 700 level or higher approved by your advisor.</i>			
	CR		
	CR		
	CR		
	CR		
	CR		

F. Flexible credits – minimum of 20 credits. <i>A combination of research and/or coursework at the 500 level or above.</i>			
	CR		
	CR		
	CR		
	CR		
	CR		
	CR		
	CR		
	CR		

G. Doctoral Research Credits – minimum 30 CREDITS of BME 895 and BME 899
A maximum of 10 cr. of Doctoral Research may be applied towards the minimum 30 credit DISSERTATION RESEARCH requirement.
A minimum of 20 cr. of Dissertation is necessary towards the minimum 30 credit DISSERTATION RESEARCH requirement.

BME 895 Doctoral Research					
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
BME 899 Dissertation					
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE

H. Total course credits (non-research) taken at CSU (20 credits minimum): **CR**

Total credits (course and research combined) taken at CSU (60 credits minimum): **CR**

Total credits beyond the bachelor’s degree (90 cr. min/ 60 cr. min after MS) **CR**

I. Date of satisfactory completion of the Qualifying Exam: DATE: _____
Qualifying examination must be completed before 24 credit hrs have been taken in the doctoral program.

Date of satisfactory completion of the Candidacy Exam: DATE: _____
After completion of the candidacy, the doctoral candidate must provide a progress report annually to the dissertation committee, in the form of an oral presentation (preferred) or a written report.

M. APPROVALS

Student: _____ DATE _____

Academic advisor: _____ DATE _____

Research advisor: _____ DATE _____

Doctoral program director: _____ DATE _____