

DOCTOR OF PHILOSOPHY IN ENGINEERING - PLAN OF STUDY

(for students admitted before Fall 2012 with MS degree)

STUDENT:			Student ID No.:		
DATE:		PREPARED BY:		SPECIALIZATION:	
REQUIRED: A MIN. OF 60 SATISFACTORY CREDITS BEYOND THE MASTER'S DEGREE					
A. REQUIRED CORE COURSES, ANY 2 COURSES LISTED BELOW - 8 CREDITS:					
			Semester	Grade	
ESC 702 APPLIED ENGINEERING ANALYSIS I			CR		
ESC 704 APPLIED ENGINEERING ANALYSIS II			CR		
ESC 706 APPLIED ENGINEERING ANALYSIS III			CR		
ESC 794 SPECIAL TOPICS: <i>(See note 1)</i>					
Biomedical Signal Processing + 1 other ESC math course			3 CR		
B. GRADUATE NON-ENGINEERING COURSES — min. 8 CREDITS: <i>(See note 2)</i>					
BIO 624/824 Biomedical Physiology			3 CR		
			CR		
			CR		
C. 700-LEVEL ENGINEERING ELECTIVES — min. 12 CREDITS:					
BME 753 Cell and Tissue Biology			3CR		
BME 758 Medical Devices			2 CR		
BME 850 ABE seminar			1 CR		
BME 751, 755, or 759 (Biomaterials, Imaging, or Biomechanics)			3 CR		
engineering elective			3 cr		
D. GENERAL GRADUATE ELECTIVES — min. 3 CREDITS: <i>(See note 3)</i>					
			CR		
E. TOTAL COURSE CREDITS (30 hours minimum)			CR		
F. DISSERTATION RESEARCH – min. 30 CREDITS of 895 and 899:					
895 DOCTORAL RESEARCH – 3 TO 12 CR/SEM <i>(See note 4)</i>					
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
899 DISSERTATION - 3 TO 12 CR/SEM <i>(See note 5)</i>					
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE
CR	SEM	GRADE	CR	SEM	GRADE

G. SATISFACTORY COMPLETION OF QUALIFYING EXAMINATION (See note 6)

DATE:

H. SATISFACTORY COMPLETION OF CANIDACY ORAL EXAM.

DATE:

I. SATISFACTORY COMPLETION OF DISSERTATION/FINAL ORAL EXAM.

DATE:

J: APPROVALS

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|------------------------------|-------|------|-------|
| o STUDENT : | _____ | DATE | _____ |
| o FACULTY ADVISOR: | _____ | DATE | _____ |
| o DISSERTATION ADVISOR: | _____ | DATE | _____ |
| o DOCTORAL PROGRAM DIRECTOR: | _____ | DATE | _____ |

K. DISSERTATION COMMITTEE: (See note 7)

Committee Chairperson:

Research Advisor (if different from Chairperson):

Advisory committee: (See note 8)

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L. Notes:

1. Special Topics courses must be pre-approved by the Graduate Affairs Committee to count as "Advanced Engineering Mathematics." Please enter the course name in the provided box.
2. Courses must be taken outside the College of Engineering. These courses may be 500, 600, 700, or 800 level. They must be related to your research and approved by your research advisor. The courses must be acceptable for credit towards the graduate degree of the offering department.
3. Any graduate level course acceptable for credit towards the graduate degree of the offering department.
4. A maximum of 10 credits of Doctoral Research may be applied towards the minimum 30 credit DISSERTATION RESEARCH requirement.
5. A minimum of 20 credits of Dissertation is necessary towards the minimum 30 credit DISSERTATION RESEARCH requirement.
6. Qualifying examination must be completed before 32-credit hrs. have been taken beyond master's degree.
7. The student must propose a dissertation chairperson/advisor and advisory committee before completing 24 credit hours of course work.
8. The Dissertation Committee must consist of a minimum of 5 graduate faculty members. One must be from outside the College of Engineering.