ENGINEERING (PH.D.)

Emphasis Areas:

1. Computer Engineering
2. Telecommunications Engineering
3. Electrical Engineering
4. Computational Engineering

Department: Electrical & Computer Engineering

Core Courses
The required four core courses are:

Code	Title	Hours
Core Courses		
CPE 503	COMPUTATIONAL METHODS	3
CPE 520	ADVANCED ENGINEERING ANALYSIS	3
CPE 521	ADVD ENGINEERING ANALYSIS II	3
CPE 635	ADVANCED CIRCUIT THEORY	3
Elective Courses		
CPE 500	SOFTWARE ENGINEERING	3
CPE 503	COMPUTATIONAL METHODS	3
CPE 505	ANALYSIS OF ALGORITHMS	3
CPE 508	OPERATING SYSTEMS	3
CPE 512	COMPUTER ARCHITECTURE	3
CPE 515	ADVANCED LOGIC DESIGN	3
CPE 520	ADVANCED ENGINEERING ANALYSIS	3
CPE 521	ADVD ENGINEERING ANALYSIS II	3
CPE 530	VLSI DESIGN	3
CPE 532	DIGITAL INTEGRATED CIRCUITS	3
CPE 541	COMPUTER NETWORK	3
CPE 544	ELECTROMAGNETIC FIELD ANALYSIS	3
CPE 545	ANTENNAS	3
CPE 551	DIGITAL SIGNAL PROCESSING	3
CPE 552	COMPUTER VISION	3
CPE 555	CONTROL SYSTEMS	3
CPE 557	ROBOTICS	3
CPE 560	EMBEDDED DESIGN W/MICHROPROCES	3
CPE 618	HIGH PERFORMANCE COMPUTING	3
CPE 635	ADVANCED CIRCUIT THEORY	3
CPE 693	ADVANCED TOPICS-IC DESIGN	3
CPE 697	INTERNSHIP	1-3
CPE 698	INDEPENDENT STUDY	1-4