

Core Courses

Course No.	Title	Semester Hours
CPE 540	Telecommunication Systems	3
CPE 541	Computer Networks	3
CPE 543	Wireless Communication Systems	3
CPE 551	Digital Signal Processing	3

Elective Courses

CPE 500 Software Engineering (3 Hours)
CPE 502 Telecommunication Software Design (3 Hours)
CPE 520 Advanced Engineering Analysis I (3 Hours)
CPE 521 Advanced Engineering Analysis II (3 Hours)
CPE 534 Coding Theory (3 Hours)
CPE 542 Computer and Network Security (3 Hours)
CPE 545 Antennas (3 Hours)
CPE 546 Digital Communication Systems (3 Hours)
CPE 643 Wireless Networks (3 Hours)
CPE 644 Optical Communication Systems (3 Hours)
CPE 645 Microwave Circuits and Systems (3 Hours)
CPE 646 Global Positioning Systems and Location Services (3 Hours)
CPE 647 Mobile Computing Systems (3 Hours)
CPE 648 Wireless Sensor Networks (3 Hours)
CPE 649 Telecommunications Network Management (3 Hours)
CPE 670 Wireless Design Laboratory (3 Hours)
CPE 671 3G and 4G Wireless Networks (3 Hours)
CPE 672 Network Quality Assurance and Simulation (3 Hours)
CPE 673 Wireless Internet Application Development (3 Hours)
CPE 693 Advanced Topics in Engineering (Variable 1 to 4 Hours)
CPE 695 Scientific Writing Seminar (1 Hour)
CPE 696 Seminar (1 Hour)
CPE 697 Internship (Variable 1-3 Hours)
CPE 698 Independent Study (Variable 1-4 hours)
CPE 699 Thesis Research (Variable 1-6 Hours)