Core Courses

Course	Title	Semester Hours
CPE 508	Operating Systems	3
CPE 512	Computer Architecture	3
CPE 515	Advanced Logic Design	3
CPE 541	Computer Networks	3

Elective Courses

CPE 500 Software Engineering (3 Hours)
CPE 505 Analysis of Algorithms (3 Hours)
CPE 520 Advanced Engineering Analysis I. (3 Hours)
CPE 521 Advanced Engineering Analysis II. (3 Hours)
CPE 530 VLSI Design (3 Hours)
CPE 531 VLSI Testing and Design for Testability (3 Hours)
CPE 532 Digital Integrated Circuit Design (3 Hours)
CPE 533 Fault-Tolerant Computing Systems (3 Hours)
CPE 547 Modeling and Analysis of Computer and
      Communication Systems (3 Hours)
CPE 552 Computer Vision (3 Hours)
CPE 555 Control Systems (3 Hours)
CPE 557 Robotics (3 Hours)
CPE 560 Embedded Design with Microprocessors (3 Hours)
CPE 601 Code Optimizations (3 Hours)
CPE 610 Parallel Computing and Programming (3 Hours)
CPE 611 Computer Arithmetic (3 Hours)
CPE 630 Design Automation of VLSI Systems (3 Hours)
CPE 640 Computer Security (3 Hours)
CPE 641 Advanced Computer Networks (3 Hours)
CPE 642 Computer Network Security (3 Hours)
CPE 655 Advanced Control Systems (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 (1-3 Hours)
CPE 698 Independent Study (1-4 hours)
CPE 699 Thesis Research (1-6 Hours)