

Technical Subjects

- Calculus 1 for Engineers
- Applied Engineering Mathematics
- Engineering Data and Analysis
- Calculus 2 for Engineers
- Differential Equations
- Chemistry for Engineers 1 - Lecture
- Chemistry for Engineers 1 - Laboratory
- Physics for Engineers - Lecture
- Physics for Engineers - Laboratory
- Applied Engineering Mathematics
- Computer-Aided Drafting
- Engineering Economics
- Engineering Management
- Technopreneurship
- Fundamentals of Electrical Circuits
- Fundamentals of Electrical Circuits Lab
- Environmental Science and Engineering
- Fundamentals of Electronic Circuits
- Fundamentals of Electronic Circuits Lab
- Fundamentals of Mixed Signals and Sensors
- Fundamentals of Mixed Signals and Sensors Lab

Core Courses

- Computer Engineering as a Discipline
- Programming Logic and Design
- Introduction to Computational Thinking
- Introduction to Computational Thinking Lab
- Data Structures and Algorithms Lec.
- Data Structures and Algorithms Lab.
- Discrete Mathematics
- Numerical Methods
- Numerical Methods Lab
- Object Oriented Programming Lec.
- Object Oriented Programming Lab.
- Logic Circuits and Design
- Logic Circuits and Design Lab
- Computer Engineering Drafting and Design
- Database Management Systems
- Database Management Systems Lab
- Data and Digital Communications
- Data and Digital Communications Lab
- Introduction to HDL
- Introduction to HDL Lab
- Feedback and Controls Systems
- Microprocessor Systems
- Microprocessor Systems Lab
- Methods of Research
- Computer Organization and Architecture
- Computer Organization and Architecture Lab
- Digital Signal Processing
- Digital Signal Processing Lab
- Basic Occupational Health and Safety
- Operating Systems Lec.
- Operating Systems Lab.
- Embedded Systems
- Embedded Systems Lab
- Software Engineering and Management
- Software Engineering and Management Lab
- CpE Practice and Design 1
- Computer Networks and Security Lec.
- Computer Networks and Security Lab.
- Web Design and Development
- Web Design and Development Lab
- CpE Laws and Professional Practice
- CpE Practice and Design 2
- CpE Seminars and Fieldtrips
- On the Job Training (at least 240hrs.)
- Emerging Technologies in CpE
- Systems Administration Fundamentals
- Systems Administration Fundamentals Lab
- Managing Enterprise Servers
- Managing Enterprise Servers lab
- Enterprise Security
- Enterprise Security Lab
- Computer Graphics
- Computer Graphics Lab
- Game Design and Development
- Game Design and Development Lab
- Digital Image Processing
- Digital Image Processing Lab
- Mobile Application Development
- Mobile Application Development Lab
- Introduction to Big Data
- Introduction to Big Data Lab
- Microservices Architecture
- Microservices Architecture Lab

Non-Technical Courses