ELECTRICAL ENGINEERING

Overview
Academics & Admissions
Programs
Minors
Courses
Faculty

Courses

- Engr 360: Electric Circuit Theory
- Engr 361: Electric Circuit Laboratory
- Engr 363: Introductory Electric Circuit Laboratory
- Engr 410: Engineering Analysis II
- BME 200: Introduction to Biomedical Engineering
- BME 301: Bioinstrumentation
- BME 320: Bioseparations
- BME 322: Biomaterials
- BME 333: Biological Transport
- BME 350: Immunotherapy
- BME 444: Biomedical Controls
- BME 461: Biomedical Engineering Senior Design I
- BME 462: Biomedical Engineering Senior Design II
- Cp E 421: Embedded Systems Design
- Cp E 431: Computer Architecture
- Cp E 432: Testing of Computing Systems
- Cp E 461: Senior Design in Computer Engineering I
- Cp E 462: Senior Design in Computer Engineering II
- ECE 361: Design and Design Tools in ECE
- El E 100: Introduction to Electrical Engineering
- El E 101: Survey of the Electrotechnology
- El E 235: Principles of Digital Systems
- El E 236: Digital Systems Laboratory I
- El E 237: Electrical Engineering Tools and Toys
- El E 301: Applied Electronics
- El E 302: Applied Communication Systems
- El E 313: Physiology for Biomedical Engineering
- El E 314: Biomedical Measurement
- El E 322: Electric Circuit II
- El E 331: Linear Systems
- El E 337: Digital Systems Laboratory II
- El E 340: Electrical Engineering Analysis I
- El E 341: Theory of Fields
- El E 351: Electronics Circuits I
- El E 352: Electronics Circuits II
- El E 353: Electronics Laboratory
- El E 354: PC-Based Instrumentation Laboratory
- El E 357: Electrical Engineering Problems I
- El E 358: Electrical Engineering Problems II
- El E 367: Computer-Aided Design in Electrical Engr
- El E 385: Advanced Digital Systems
- El E 386: Advanced Digital Systems Laboratory
- El E 391: Random Signals
- El E 413: Biomedical Signal Processing
- El E 414: Biomedical Electronics
- El E 415: Telecommunications Laboratory
- El E 425: Local Area Networks
- El E 431: Theory of Control Systems

- EI E 432: Robotics Laboratory
- EI E 433: High Frequency and Microwave Laboratory
- EI E 434: Fiber Optics Laboratory
- EI E 436: Systems Laboratory
- EI E 441: Electromagnetic Theory I
- EI E 442: Electromagnetic Theory II
- EI E 443: Network Analysis and Synthesis
- EI E 447: Modulation, Noise, and Communications
- EI E 449: Analog Communications Laboratory
- EI E 450: Digital Communications Laboratory
- EI E 451: Electrical Energy Conversion
- EI E 452: Electric Power Transformer Laboratory
- EI E 453: Solid State Devices
- EI E 461: Sr. Design in Electrical Engineering I
- EI E 462: Sr. Design in Electrical Engineering II
- EI E 481: Fund. Low Power Dig. VLSI Design
- EI E 482: Digital CMOS VLSI Design
- EI E 485: Microprocessor Systems Engineering
- EI E 486: Microprocessor Systems Engr Lab
- EI E 487: Digital Signal Processing Laboratory
- EI E 521: Electrical Engineering Projects I
- EI E 522: Electrical Engineering Projects II
- EI E 523: Microwave Engineering
- EI E 525: Introduction to Antennas
- EI E 533: Electronic Properties of Materials
- EI E 534: Wireless Mobile Communications
- EI E 535: Digital Communications
- EI E 536: Introduction to Quantum Computing
- EI E 561: Microwave Circuit Design
- EI E 586: Digital Signal Processing