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
- ELE 100: Introduction to Electrical Engineering
- ELE 101: Survey of the Electrotechnology
- ELE 235: Principles of Digital Systems
- ELE 236: Digital Systems Laboratory I
- ELE 237: Electrical Engineering Tools and Toys
- ELE 301: Applied Electronics
- ELE 302: Applied Communication Systems
- ELE 331: Linear Systems
- ELE 337: Digital Systems Laboratory II
- ELE 340: Electrical Engineering Analysis I
- ELE 341: Theory of Fields
- ELE 351: Electronics Circuits I
- ELE 352: Electronics Circuits II
- ELE 353: Electronics Laboratory
- ELE 354: PC-Based Instrumentation Laboratory
- ELE 357: Electrical Engineering Problems I
- ELE 358: Electrical Engineering Problems II
- ELE 367: Computer-Aided Design in Electrical Engr
- ELE 385: Advanced Digital Systems
- ELE 386: Advanced Digital Systems Laboratory
- ELE 391: Random Signals
- ELE 414: Biomedical Electronics
- ELE 415: Telecommunications Laboratory
- ELE 425: Local Area Networks
- ELE 431: Theory of Control Systems
- ELE 432: Robotics Laboratory
- ELE 433: High Frequency and Microwave Laboratory
- ELE 434: Fiber Optics Laboratory
- ELE 436: Systems Laboratory
- ELE 441: Electromagnetic Theory I
- ELE 442: Electromagnetic Theory II
- ELE 443: Network Analysis and Synthesis
- ELE 447: Modulation, Noise, and Communications
- ELE 449: Analog Communications Laboratory
- ELE 450: Digital Communications Laboratory
- ELE 451: Electrical Energy Conversion
- ELE 452: Electric Power Transformer Laboratory
- ELE 453: Solid State Devices
- ELE 461: Sr. Design in Electrical Engineering I
- ELE 462: Sr. Design in Electrical Engineering II
- ELE 481: Fund. Low Power Din. VLSI Design
- ELE 482: Digital CMOS VLSI Design
- ELE 485: Microprocessor Systems Engineering
- ELE 486: Microprocessor Systems Engr Lab

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- El E 487: Digital Signal Processing Laboratory
- El E 521: Electrical Engineering Projects I
- El E 522: Electrical Engineering Projects II
- El E 523: Microwave Engineering
- El E 525: Introduction to Antennas
- El E 533: Electronic Properties of Materials
- El E 534: Wireless Mobile Communications
- El E 535: Digital Communications
- El E 561: Microwave Circuit Design
- El E 586: Digital Signal Processing