Quality Indicators

» Total faculty 74
» Professors 42
» Associate professors 22
» Assistant professors 6
» Senior lecturers 3
» Professors of practice 1
» Endowed Chair Holders 7

Endowed Professorship Holders 14
Distinguished Professors 3
National Academy of Engineering Members 3
National Academy of Science Members 1

Enrollment Fall 2016

Undergraduate 961
Graduate 713
Master's 406
Ph.D. 307

Labs & Centers

» Analog and Mixed-Signal Center (TEES)
» Center for Research in Intelligent Storage
» Control Engineering Laboratory
» Digital Signal Processing Laboratory
» Downed Conductor Test Facility
» Electric Machines and Power Electronics Laboratory (EMPE)
» Electromagnetics & Microwave Laboratory
» Electronics Laboratory
» Electro-optics Laboratory
» Fluctuation and Noise Exploitation Lab
» Fuel Cell Power Systems Laboratory
» Functional Thin Film Laboratory
» Genomic Signal Processing Laboratory
» Magnetic Resonance Systems Laboratory
» Multimedia Laboratory
» Multimedia Communication & Networking Laboratory
» NanoBio Systems Laboratory
» Nanofabrication Cleanroom Facility
» Power Electronics Laboratory
» Power Electronics & Motor Drives Laboratory
» Power Engineering Laboratory
» Power Quality Laboratory
» Power System Automation Laboratory
» Power System Control & Protection Laboratory
» Semiconductor, Sensing, Imaging & Communications Systems Laboratory
» Sensing, Imaging and Communication Systems Laboratory
» Smart Grid Laboratory
» Smoke Detector Test Facility
» Ultrasound Imaging Laboratory
» VLSI Laboratory
» Wireless Communications Laboratory
Areas of Research

- **Analog and Mixed Signals**
  - Energy Harvesting
  - Sensors and Interface Circuits

- **Biomedical Imaging, Sensing & Genomic Signal Processing**
  - Genomics and Bioinformatics
  - Magnetic Resonance Imaging (MRI)

- **Computer Engineering and Systems**
  - Robotics
  - Computer Architecture

- **Device Science and Nanotechnology**
  - Semiconductor Lasers
  - Nano Engineering and Fabrication

- **Electric Power Systems and Power Electronics**
  - Electric and Hybrid Vehicles
  - Smart Grid

- **Electromagnetics and Microwaves**
  - Microwave Communications
  - Applied Electromagnetics

- **Information Science and Systems**
  - Intelligent Vehicular Systems
  - Digital Signal and Image Processing

Applications

- **Aerospace Engineering**
  - Avionics Sensors/Circuits
  - Flight Control Chips

- **Civil Engineering**
  - Smart Buildings
  - Deformation Monitoring

- **Petroleum Engineering**
  - Seismic Imaging
  - High-voltage Electrical Systems in Refineries

- **Chemical Engineering**
  - Molecular/Organic Electronics
  - Hardware and Software for Process Control Sensors

- **Defense**
  - Network Security
  - Weapon Guidance Systems

- **Agriculture Engineering**
  - Renewable Energy
  - Electric and Hybrid Vehicles

- **Entertainment**
  - Music/Movie Industry
  - Acoustics