Enrollment Fall 2015
Texas A&M Data and Research Services

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>907</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Students</td>
<td>736</td>
</tr>
<tr>
<td>Master's</td>
<td>424</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>312</td>
</tr>
</tbody>
</table>

Quality Indicators

<table>
<thead>
<tr>
<th>Total Faculty</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>43</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>24</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>5</td>
</tr>
</tbody>
</table>

U.S. News & World Report Rankings

<table>
<thead>
<tr>
<th>Rankings Among Public Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering 8 Undergraduate</td>
</tr>
<tr>
<td>Computer Engineering 13 Graduate</td>
</tr>
<tr>
<td>Electrical Engineering 11 Graduate</td>
</tr>
</tbody>
</table>

Endowed Chair Holders 7
Endowed Professorship Holders 11
Distinguished Professors 4
National Academy of Engineering Members 4
National Academy of Science Members 1

Centers and Laboratories

Analog and Mixed-Signal Center (TEES)
Control Engineering Laboratory
Digital Signal Processing Laboratory
Downed Conductor Test Facility
Electric Machines and Power Laboratory
Electromagnetics and Microwave Laboratory
Electronics Laboratory
Electro-optics Laboratory
Fuel Cell Power Systems Laboratory
Functional Thin Film Laboratory
Genomic Signal Processing Laboratory
Magnetic Resonance Systems Laboratory
Multimedia Laboratory
Multimedia Communication and Networking Laboratory
NanoBio Systems Laboratory
Nanofabrication Cleanroom Facility
Power Electronics Laboratory
Power Electronics and Motor Drives Laboratory
Power Engineering Laboratory
Power Quality Laboratory
Power System Automation Laboratory
Power System Control and Protection Laboratory
Semiconductor Laboratory Sensing, Imaging and Communications Systems Laboratory
Sensing, Imaging and Communication Systems Laboratory
Smoke Detector Test Facility
Ultrasound Imaging Laboratory
VLSI Laboratory
Wireless Communications Laboratory

Research Areas listed on reverse side
Research Areas

Analog and Mixed Signals
- Analog Built-in-Testing
- Active and Passive Filter Design
- Biomedical Applications
- Broadband Communications
- Data Converters
- Energy Harvesting Techniques
- High-Speed Electronic Systems
- Integrated Circuit Design
- Integrated Sensing for Chemical and Biomedical Applications
- Low-Noise Front-End Electronics
- Low-Voltage Low-Power Electronics
- Millimeter-Wave Integrated System Design
- Power Management
- RF IC and System Design
- Silicon Photonics Integrated Circuits and Systems

Biomedical Photonics Integrated Circuits and Systems

Device Science and Nanotechnology (formerly Solid State)
- Atomic Layer Deposition
- Fiber Optics Devices
- Fluctuation-Enhanced Sensing
- Functional Thin Film Processing
- Integrated Optics
- Micro Sensors, Micro Actuators and Micro Electromechanical System (MEMS)
- Nanolithography
- Nanotechnology
- Noise-based logic
- Noise in Electronic Systems
- Optical Communication
- Optics for Solar Energy
- Quantum Optics
- Secure Communications
- Soft robotics and softMEMS
- Surface and Interface Science
- Wide Band Gap Epitaxy

Electric Power Systems and Power Electronics
- Alternative Energy Systems
- Condition Monitoring and Fault Diagnostics of Electric Machines
- Controls and Circuits for Lighting
- Cyber-Physical Energy Systems
- Demand Response
- DSP-Based Power Electronic Systems
- Dynamic Analysis
- Electric Ship Power and Power Electronics Systems
- Electromechanical Energy Storage Systems
- Grid-Integrated Energy Storage: Controls and Power Electronics
- Magnetic Geers
- Monitoring, Control and Protection
- Novel Electric Motors and Generators for Special Applications
- Optimization and Electricity Market Design
- Power Converters for Windmills and Hybrid Vehicles
- Power Electronics and Motor Drives
- Power Electronics Reliability
- Power Electronics Topologies and Controls
- Reliability Evaluation
- Renewable Energy Grid Integration
- Substation Automation
- Sustainable Power Systems
- Sustainable Vehicles
- Switching Power Supplies
- Vehicle Electrification

Electromagnetics and Microwaves
- Antennas
- CMOS RFIC and Systems
- Electromagnetic Theory
- Electromagnetic Wave Propagation
- Guided-Wave Structures
- Microstrip Antennas
- Microwave Solid-state Circuits and Devices
- Microwave Systems
- Millimeter-Wave Circuits
- Sensing and Imaging
- Surface Penetrating Radar

Information Science and Systems (formerly Telecommunications and Control)
- Advanced Channel Coding Techniques
- Big Data Analytics
- Biomedical Image Processing
- Cognitive Radio Networks
- Communications
- Compressive Sensing/Imageing
- Computational Biology and Bioinformatics
- Computational Statistics
- Convex Optimization
- Data Compression and Source Coding
- Detection and Estimation Theory
- Digital Communications Systems
- Digital Signal/Image/Video Processing
- Face/Pattern Recognition
- Information Security and Security
- Linear Multivariable Control Systems
- Joint Source-Channel Coding
- Machine/Deep Learning
- Minimum-Energy Network
- Multirate and Statistical Signal Processing
- Network Information Theory
- Neural Networks and Machine Learning
- Nonlinear Control Systems
- Robust Control and Adaptive Control
- Seismic/Radar/Genomic
- Sensor Networks
- Sparse Representation
- Time-Frequency Analysis
- Wireless and Sensor Networks
- Wireless Communications and Systems