The Department of Engineering Technology and Industrial Distribution at Texas A&M University ranks among the top Engineering Technology and Industrial Distribution programs in the country, and is a part of the Top 10-ranked Texas A&M University College of Engineering.

**Engineering Technology** is “The profession in which knowledge of the applied mathematical and natural sciences gained by higher education, practical experience, and competence developed in a specific field is devoted to application of engineering principles and the implementation of technological advances for the benefit of humanity through its focus on product improvement, manufacturing and automation of technological processes and operational functions.” - Engineering Technology Council of the American Society for Engineering Education (ASEE).

**Industrial Distribution** applies mathematics, science, engineering technology, business, data processing, communications, quality, and Supply Chain Management to the wholesaling and distribution of technological products. As an industrial distribution specialist, you may work directly for electronic systems manufacturers, petrochemical corporations, materials processors, large construction contractors, large industrial product consumers or the wholesale distributors that service these industries.

### Enrollment

| Undergraduate | 1561 |
| Graduate     | 121  |

### Faculty

| Total Faculty | 46   |
| Professors   | 12   |
| Endowed Professors | 3   |
| Faculty Fellows | 2   |
| Chair Holders | 11   |
| Associate Professors | 5   |
| Assistant Professors | 2   |
| Professors of Practice | 2   |
| Instructional Professors | 14 |
| Lecturers/Adjunct Professors | 14 |
| Emeritus Faculty | 14   |

### Department Areas & Disciplines

**Electronics**
- Advanced Environmental Monitoring Systems
- Control and Optimization
- Cyber Security
- Embedded Systems
- Intelligent Product Development
- Internet of Things
- Radiation Hardness Testing
- Real-Time Intelligent Control Systems
- Real-Time RFID/Sensor Tracking Systems
- Renewable Energy
- Robotics and Smart Vehicles
- Semiconductor Device Testing
- Virtual Instrumentation

**Industrial Distribution**
- Competitive Advantage

**Manufacturing Processes and Materials**
- Advanced Materials
- Asset Management
- Design and Development of Advanced Materials Processing Technologies
- Distribution Best Practices
- Enterprise Performance Management
- K-12 Outreach
- Materials Joining
- Materials Selection and Economics
- Metallurgical Effects of Manufacturing Processes
- Micro/Nano Manufacturing
- Non-Destructive Testing and Evaluation
- Warehouse Design

**Manufacturing Systems**
- Automation, Robotics and System Integration
- Cost Modeling and Analysis
- Engineering Education and Cognition
- Global Manufacturing
- Hybrid Imaging and Thermal Profiling for Product/Process Characterization
- Logistics and Transportation
- Mechatronics System Design and Prototyping
- Robust Planning and Optimization
- Smart Design Environments for Reconfigurable Manufacturing Systems

**Structural Analysis**
- Assessment of In-Situ Structural Systems Using Field Measurements

**Telecommunication**
- Data Communications
- Equipment Application
- Internet Telephony
- Networking
- Quality of Service
- Rural Communication and Telematics
- Transmission and Switching
- Wireless Communications and Software Defined Radio

**Thermal Sciences**
- Electrochemistry
- Energy Conservation
- Heat Transfer
- Thermal System Design
Centers & Laboratories

- Computer-Integrated Manufacturing Laboratory
- DXP Pump Laboratory
- Embedded Systems Laboratory
- Fluid Power Laboratory
- Global Supply Chain Laboratory
- Instrumentation and Power Systems Laboratory
- Local and Metropolitan Area Networks Laboratory
- Micro and Nano Manufacturing Laboratory
- Mobile Integrated Solutions Laboratory
- Multimedia and Cloud Computing Laboratory
- Non-Destructive Testing and Evaluation Laboratory
- Product Innovation Cellar
- Radio Frequency Identification in Distribution Laboratory
- R.C. Womack Fluid Power Laboratory
- RFID/Sensor Laboratory
- Rockwell Automation Laboratory
- Thomas and Joan Read Center for Distribution Research and Education
- Texas Instruments Mixed-Signal Test Laboratory