

# DEPARTMENT OF ENGINEERING TECHNOLOGY AND INDUSTRIAL DISTRIBUTION

The Department of Engineering Technology and Industrial Distribution offers four baccalaureate degree programs in electronics systems engineering technology, industrial distribution, manufacturing and mechanical engineering technology, and multidisciplinary engineering technology. While these degrees are distinct, they share several common features including a sound foundation of mathematics and basic sciences, a strong core of technical courses, and an emphasis on written and oral communications. The curricula emphasize the latest state-of-the-art technologies, innovation and entrepreneurship. Finally, all four degrees are designed to prepare students for careers in industry with strong opportunities for advancement. Because these programs are highly applied and have a focus on project-based learning and experiential education, most of the department's courses have hands-on laboratories that allow students to put theory to practice.

The mission of the Department of Engineering Technology and Industrial Distribution is to:

- maintain nationally recognized programs in engineering technology and industrial distribution
- focus on educating highly-qualified students with hands-on skills, providing them with experiences in advanced integration of both conventional and emerging technologies, a unique understanding of management and business practices, and an entrepreneurial point of view
- provide leadership within the COE and university in interdisciplinary applied research, to include the development and deployment of new technology
- promote and develop long term partnerships with industry and government that foster enhancements and interactions in education, research, and professional development

## Electronic Systems Engineering Technology (ESET)

Electronic Systems Engineering Technology (ESET) prepares graduates for careers in electronic product and system design, development, and test across a diverse range of industries. These industries include semiconductor, telecommunications, networking, manufacturing, energy and power, and medical.

The ESET program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> ([https://urldefense.com/v3/\\_http://www.abet.org/\\_:!!KwNVnqRv!UDEL5ZhGLhmo\\_\\_JR5NijurCfCtYlg\\_ixJ\\_u\\_EPZOHvW072\\_AaGDr7BnV0kz68e23\\_\\$/](https://urldefense.com/v3/_http://www.abet.org/_:!!KwNVnqRv!UDEL5ZhGLhmo__JR5NijurCfCtYlg_ixJ_u_EPZOHvW072_AaGDr7BnV0kz68e23_$/)). For more information about the Electronic Systems Engineering Technology program including the mission and program educational objectives, please see the program requirements (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-electronic-systems-bs/>).

Graduates are awarded the Bachelor of Science in Electronic Systems Engineering Technology.

## Industrial Distribution (IDIS)

Bachelor of Science in Industrial Distribution prepares graduates for technical sales, sales management, business development, procurement, supply chain management, operations management, and other managerial positions. Students are prepared for employment in industry segments that include: aerospace; automation solutions; building materials; chemical and petrochemical; electrical; electronics; information systems and technology; healthcare; fluid power; general line; heating, ventilation and air conditioning; management consulting; mechanical power; metals; oil and gas; plastics; pipe, valve, and fitting; plumbing; safety equipment; semiconductor; specialty tools; and welding. The day-to-day challenges faced by the industrial distributor or the manufacturer's representative require the person to be a professional with many capabilities. To fulfill this demand, the curriculum provides studies in distribution, business, communications, finance/profitability, information technology, applied technology, analytics management, engineering, ethics, and project management. Graduates receive a Bachelor of Science degree in Industrial Distribution.

The BS in Industrial Distribution program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.abet.org%2F&data=04%7C01%7Chendersonjp%40tamu.edu%7C96c22b36752f4fd588a808d9f637dc0e%7C68f381e346da47b9ba576f322b8f0da1%7C1%7C0%7C637811542081183988%7%7CTWFpbGZsb3d8eyJWljiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IkhWwiLCJ%7C3000&sdata=UPeTUxyRsqLSsXqvqOV8bBQdXZlqO4IYP%2FDUccF0%2B2o%3D&reserved=0>). For more information about the Industrial Distribution program, please see the program requirements (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/industrial-distribution-bs/>).

Graduates are awarded the Bachelor of Science in Industrial Distribution.

## Manufacturing and Mechanical Engineering Technology (MMET)

Manufacturing and Mechanical Engineering Technology (MMET) prepares students for dynamic careers in a wide range of industries ranging from oil and gas, to aerospace, and food and beverage. These careers involve design, manufacturing, maintenance, and sometimes sales. Graduates are versatile and effective in diverse areas that require understanding of the dependencies among material properties, product design, costs, manufacturing systems, and process technologies.

The Manufacturing and Mechanical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>). For more information about the Manufacturing and Mechanical Engineering Technology program including the mission and program educational objectives, please see the program requirements (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-manufacturing-mechanical-bs/>).

Graduates are awarded the Bachelor of Science in Manufacturing and Mechanical Engineering Technology.

## Multidisciplinary Engineering Technology (MXET)

Multidisciplinary Engineering Technology (MXET) combines core concepts from the electronics and mechanical engineering technology disciplines and provides students with a strong background in embedded systems, electronic system design, instrumentation, controls, statics, dynamics, thermodynamics, mechanical system design, and project management. The curriculum is then augmented through a technical focus area. The Mechatronics and STEM Education focus areas are currently available and additional focus areas will be identified and created. The Mechatronics focus prepares graduates for diverse careers in aerospace, automotive, oil and gas, medical and communications industries where entry-level employees require a broad-based education in system-level design, development, documentation and delivery of new and innovative products. The STEM Education focus prepares graduates to teach math, science, and engineering at the secondary education level.

Graduates are awarded the Bachelor of Science in Multidisciplinary Engineering Technology.

## Department Academic Policies

The Department of Engineering Technology and Industrial Distribution (ETID) imposes academic requirements in addition to those imposed by the University (Texas A&M University Student Rules) and college. For complete details concerning these and other academic policies, students should contact the ETID Undergraduate Advising Office and are referred to the ETID (<http://engineering.tamu.edu/etid/>) website.

A student must complete all prerequisites for a course with a grade of C or better by the start of the semester in which the student plans to enroll in the course. A student is responsible for checking the prerequisites for each course to ensure the prerequisite requirements have been satisfied. A student who registers for a course for which he/she lacks the necessary prerequisite course(s) and/or the prerequisite grade requirement will be required to drop the course. A student who is told to drop a course and is still enrolled by the deadline set each semester may be administratively dropped by the department. If a student is administratively dropped from a course, the student is responsible for all financial obligations associated with the drop. An administrative drop may adversely impact (including, but not limited to): health insurance benefits, financial aid, athletic eligibility, INS status, veterans' benefits, and eligibility to participate in extracurricular activities.

The department encourages students to participate in industrial internships or the Cooperative Education Program to acquire practical experience to complement their engineering technology education.

Before commencing course work in the major students must be admitted to the major or have the approval of the department.

## Faculty

Abdelaal, Ahmed, Instructional Assistant Professor  
Eng Tech & Ind Distribution  
PHD, University of Toledo, 2017

Alvarado, Jorge L, Professor  
Eng Tech & Ind Distribution  
PHD, University of Illinois, 2004

Aoufi, Rabah, Senior Lecturer  
Eng Tech & Ind Distribution  
MS, Missouri University of Science & Technology, 1980

Asadi, Amir, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, University of Manitoba, 2013

Assad, Chahriar, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1994

Aucoin, Bruce, Senior Lecturer  
Eng Tech & Ind Distribution  
DEN, Texas A&M University, 1982

Bayat, Noushin, Visiting Professor of the Practice  
Eng Tech & Ind Distribution  
EDD, Pepperdine University, 2018

Bolander, William, Professor  
Eng Tech & Ind Distribution  
PHD, University of Houston, 2011

Borsh Jr, Robert M, Associate Professor of the Practice  
Eng Tech & Ind Distribution  
MID, Texas A&M University, 2003

Bosshard, John C, Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2012

Bradley, Gary, Senior Lecturer  
Eng Tech & Ind Distribution  
MS, Texas A&M University, 2013

Butler, Scott N, Lecturer  
Eng Tech & Ind Distribution  
MS, Sam Houston State University, 1986

Capar, Ismail, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Mississippi State University, 2007

Cavdar, Bahar, Assistant Professor  
Eng Tech & Ind Distribution  
DEN, Georgia Institute of Technology, 2014

Chang, Yanling, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Georgia Institute of Technology, 2015

Clark Jr, Norman L, Instructional Associate Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2015

Comstock, Thomas, Senior Lecturer  
Eng Tech & Ind Distribution  
MBA, Texas A&M University, 1976

Craig, David, Senior Lecturer  
Eng Tech & Ind Distribution  
MS, The University of Texas at Austin, 1997

Crosby, Garth, Associate Professor  
Eng Tech & Ind Distribution  
DEN, Florida International University, 2007

Ekin, Sabit, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2012

Feng, Dan, Instructional Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Purdue University, 2021

Fink, Rainer J, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1995

Frymire, Read, Senior Lecturer  
Eng Tech & Ind Distribution  
BS, Texas A&M University, 1983

Gharib, Mohamed, Instructional Associate Professor  
Eng Tech & Ind Distribution  
PHD, Southern Methodist University, 2011

Godage, Isuru, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, University of Genova, 2013

Goulart, Ana E, Professor  
Eng Tech & Ind Distribution  
PHD, Georgia Institute of Technology, 2005

Handy, Michael, Senior Lecturer  
Eng Tech & Ind Distribution  
BS, The University of Oklahoma, 2001

Hannam, Jason, Visiting Associate Professor of the Practice  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 2021

Hollis, Thomas, Associate Professor of the Practice  
Eng Tech & Ind Distribution  
MBA, Our Lady of the Lake University, 1998

Holsey, Ronal, Senior Lecturer  
Eng Tech & Ind Distribution  
BS, Texas A&M University, 1988

Holt, Ryan, Visiting Associate Professor of the Practice  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 2020

Hsieh, Sheng-Jen, Professor  
Eng Tech & Ind Distribution  
PHD, Texas Tech University, 1995

Hudson, Lee, Visiting Associate Professor of the Practice  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2003

Hughes, John, Senior Lecturer  
Eng Tech & Ind Distribution  
MS, Iona College, 1982

Hung, Nguyen P, Professor  
Eng Tech & Ind Distribution  
PHD, University of California at Berkeley, 1987

Hur, Byul, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, University of Florida, 2011

Iakovou, Eleftherios, Professor  
Eng Tech & Ind Distribution  
PHD, Cornell University, 1992

Ivey, Carl, Lecturer  
Eng Tech & Ind Distribution  
MA1, University of Phoenix, 2012

Johnson III, John W, Senior Lecturer  
Eng Tech & Ind Distribution  
MBA, Texas A&M University, 2001

Johnson, Mark H, Professor of the Practice  
Eng Tech & Ind Distribution  
MS, Central Michigan University, 1991

Johnson, Michael D, Professor  
Eng Tech & Ind Distribution  
PHD, Massachusetts Institute of Technology, 2004

Karim, Muhammad Faeyz, Instructional Associate Professor  
Eng Tech & Ind Distribution  
PHD, Nanyang Technological University, 2008

Kuttolamadom, Mathew A, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Clemson University, 2012

Lawrence, Frederick B, Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1999

Lee, Kiju, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Johns Hopkins University, 2009

Leon, Victor J, Professor  
Eng Tech & Ind Distribution  
PHD, Lehigh University, 1991

Leonard, Matthew J, Lecturer  
Eng Tech & Ind Distribution  
BS, Texas A&M University, 1987

Li, Xiaofeng, Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University-College Station, 2008

Loranger, Leigha, Senior Lecturer  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 2020

Ma, Chao, Associate Professor  
Eng Tech & Ind Distribution  
PHD, University of California, 2015

Maguire, Christopher, Lecturer  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 2020

Mahmoud, Ahmed, Senior Lecturer  
Eng Tech & Ind Distribution  
MS, Texas A&M University, 1990

Mai, Bin, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, The University of Texas at Dallas, 2006

Meier, Magnus, Senior Lecturer  
Eng Tech & Ind Distribution  
MA, University of Duisburg-Essen, 1998

Mendoza Diaz, Noemi, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2006

Mikeal, Adam, Lecturer  
Eng Tech & Ind Distribution  
MS, Texas A&M University, 2011

Mody, Rustom, Senior Lecturer  
Eng Tech & Ind Distribution  
MBA, University of Houston, 1986

Munns, Thomas G, Lecturer  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 1982

Nagarathnam, Bharani B, Instructional Associate Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2016

Natarajathinam, Malini, Professor  
Eng Tech & Ind Distribution  
PHD, University of Alabama, 2007

Nepal, Bimal P, Professor  
Eng Tech & Ind Distribution  
PHD, Wayne State University, 2005

Nie, Xiaofeng, Associate Professor  
Eng Tech & Ind Distribution  
PHD, University of Buffalo - The State University of New York, 2008

Patterson, Albert, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, University of Illinois at Urbana-Champaign, 2021

Porter, Jay R, Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1993

Porter, Logan, Instructional Assistant Professor  
Eng Tech & Ind Distribution  
DEN, Lamar University, 2014

Prabhu, Akhila, Senior Lecturer  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 2021

Preusser, Denise, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, Saybrook University, 2010

Price, Angie H, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1999

Rey, Danny, Associate Professor of the Practice  
Eng Tech & Ind Distribution  
BS, Texas A&M University, 1990

Reyes Denizard, Nelymar, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, Carlos Albizu University, 2018

Smith, Christopher, Lecturer  
Eng Tech & Ind Distribution  
MS, University of Arkansas at Little Rock, 1996

Smith, Clinton, Lecturer  
Eng Tech & Ind Distribution  
MBA, University of Houston, 2002

Song, Donggil, Associate Professor  
Eng Tech & Ind Distribution  
PHD, Indiana University Bloomington, 2015

Song, Xingyong, Associate Professor  
Eng Tech & Ind Distribution  
PHD, University of Minnesota, Twin Cities, 2011

Speed, Fred, Senior Lecturer  
Eng Tech & Ind Distribution  
JD, Ohio State University, 1995  
PHD, University of Alabama - Huntsville, 1992

Spence, Elizabeth, Senior Lecturer  
Eng Tech & Ind Distribution  
MA, Gonzaga University, 2010

Sweeney, David, Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2018

Thompson, Stephen, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, University of Dundee, 1976

Tingey, Scott, Adjunct Associate Professor  
Eng Tech & Ind Distribution  
MBA, Washington State University, 2000

Ufodike, Chukwubelu, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Florida A&M University, 2020

Vadali, Sharada, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1996

Vajipeyajula, Bhaskar, Instructional Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2021

Vestal, Evan D, Senior Lecturer  
Eng Tech & Ind Distribution  
MBA, Sam Houston State University, 1998

Walker, Darrell, Lecturer  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 2014

Wallace, James P, Lecturer  
Eng Tech & Ind Distribution  
MS, Texas A&M University, 1993

Wang, Jyhwen, Professor  
Eng Tech & Ind Distribution  
PHD, Northwestern University, 1991

Whiteacre, Matthew M, Senior Lecturer  
Eng Tech & Ind Distribution  
MEN, Texas A&M University, 1984

Willey, Harley M, Lecturer  
Eng Tech & Ind Distribution  
BS, Texas A&M University, 1978

Yagua, Carlos, Lecturer  
Eng Tech & Ind Distribution  
MS, Texas A&M University, 2006

Yang, Xiaomin, Senior Lecturer  
Eng Tech & Ind Distribution  
PHD, Purdue University, 2002

Zhan, Wei, Professor  
Eng Tech & Ind Distribution  
PHD, Washington University in St. Louis, 1991

Zoghi, Behbood B, Professor  
Eng Tech & Ind Distribution  
PHD, Texas A&M University, 1993

Zou, Na, Assistant Professor  
Eng Tech & Ind Distribution  
PHD, Arizona State University, 2015

distribution/multidisciplinary-engineering-technology-bs-electro-marine-engineering-technology-track/)

- Bachelor of Science in Multidisciplinary Engineering Technology, Mechatronics Track (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-mechatronics-track/>)
- Bachelor of Science in Multidisciplinary Engineering Technology, STEM Education Track (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-stem-education-track/>)
- Bachelor of Science in Technology Management (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-management-bs/>)

## Minors

- Embedded Systems Integration Minor (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/embedded-systems-integration-minor/>)
- Information Technology Service Management Minor (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/information-technology-service-management-minor/>)
- Technology Management Minor (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-management-minor/>)

## Majors

- Bachelor of Arts in Information Technology Service Management (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/information-technology-service-management-ba/>)
- Bachelor of Science in Electronic Systems Engineering Technology (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-electronic-systems-bs/>)
- Bachelor of Science in Industrial Distribution (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/industrial-distribution-bs/>)
- Bachelor of Science in Manufacturing and Mechanical Engineering Technology (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-manufacturing-mechanical-bs/>)
- Bachelor of Science in Multidisciplinary Engineering Technology, Electro Marine Engineering Technology Track (<http://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-electro-marine-engineering-technology-track/>)