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_AaGDr7BnVOkz68e2S_w/). For more information about the Electronic Systems Engineering Technology program including the mission and program educational objectives, please see the program requirements (https://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%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLC%7C3000&sdata=UPeTUxyRsqLSsXqvqOV8bBQdXZIqO4lYP%2FDUccF0%2B2o%3D&reserved=0). For more information about the Industrial Distribution program, please see the program requirements (https://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 (https://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.

The BS in Multidisciplinary Engineering Technology 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%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=UPeTUxyRsqLSsXqvqOV8bBQdXZIqO4lYP%2FDUccF0%2B2o%3D&reserved=0). For more information about the Multidisciplinary Engineering Technology program, please see the program requirements (p. 6).

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

Allison, Lee, Associate Professor
Eng Tech & Ind Distribution
PHD, Oklahoma State University, 2016

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

Antonaros, Richard, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, Capella University, 2010

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

Asadi, Amir, Associate 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, D. Michael, Senior Lecturer
Eng Tech & Ind Distribution
PHD, Texas A&M University, 1982

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

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

Borsh, 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

Bowers, Brooke Nicole, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MID, Texas A&M University, 2020

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

Burns, Karrie M, Visiting Senior Lecturer
Eng Tech & Ind Distribution
BA, Texas A&M University, 2005

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

Calabria, Michael, Visiting Senior Lecturer
Eng Tech & Ind Distribution
BS, State University of New York at Oswego, 1975

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

Cengil, Aysenur Betul, Visiting Instructional Assistant Professor
Eng Tech & Ind Distribution
PHD, University of Arkansas, 2024

Cengil, Fatih, Visiting Instructional Assistant Professor
Eng Tech & Ind Distribution
MS, Ozyegin University, 2018

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

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

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

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

Decker, Lance Nelson, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, Texas A&M University, 2023

Dudley, Taylor Scott, Visiting Lecturer
Eng Tech & Ind Distribution
MBA, University of Texas at Austin, 2018

Dyson, Joseph Brandon, Visiting Lecturer
Eng Tech & Ind Distribution
MID, Texas A&M University, 2006

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

Elliott, Stephen Dwight, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MID, Texas A&M University, 2005

Fierro, Alonso, Visiting Lecturer
Eng Tech & Ind Distribution
MS, Texas A&M University, 2010

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

Fleming, Dixie A, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MS, St Edwards University, 2015

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

Gao, Jun, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, University of New Mexico, 2007

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

Godage, Isuru S, 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

Gunasekaran, Senthilmurugan, Visiting Senior Lecturer
Eng Tech & Ind Distribution
DEN, Texas A&M University, 2014

Hammad, Eman M, Assistant Professor
Eng Tech & Ind Distribution
PHD, University of Toronto, 2018

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

Havern, Christopher Von, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MBA, Texas A&M University, 2002

Hembree, Jackson P, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MEN, Texas A&M University, 2022

Hernandez, Claudia Patricia, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MEN, Texas A&M University, 2023

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

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

Holt, Ryan C, 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 E, Visiting Associate Professor of the Practice
Eng Tech & Ind Distribution
PHD, Texas A&M University, 2003

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

Hung, Wayne NP, Professor
Eng Tech & Ind Distribution
PHD, University of California at Berkeley, 1987

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

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

Jimenez, Christopher, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MEN, Texas A&M University, 2021

Jin, Congrui, Assistant Professor
Eng Tech & Ind Distribution
PHD, Cornell University, 2012

Johnson, Jay, 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

Jones, Kaffia, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, Saybrook University, 2010

Kabir, Elnaz, Assistant Professor
Eng Tech & Ind Distribution
PHD, University of Michigan, 2021

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

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

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

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

Liu, Yuexin, Instructional Assistant Professor
Eng Tech & Ind Distribution
PHD, New Jersey Institute of Technology, 2022

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

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

Mahmoud, Ahmed Mohamed, 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 F, Senior Lecturer
Eng Tech & Ind Distribution
MA, University of Duisburg-Essen, 1998

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

Mody, Rustom K, 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

Natarajarathinam, 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

Nohe, Elizabeth B, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, Walden University, 2020

Pandey, Gaurav, Associate Professor
Eng Tech & Ind Distribution
PHD, The University of Michigan, 2014

Patterson, Albert E, 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 Lynn, Instructional Assistant Professor
Eng Tech & Ind Distribution
DEN, Lamar University, 2014

Preusser, Denise Ann, 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

Rao, Mano, Visiting Senior Lecturer
Eng Tech & Ind Distribution
PHD, Carnegie Mellon Unviersity, 1991

Rey, Danny G, 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

Rouziou, Maria, Assistant Professor
Eng Tech & Ind Distribution
PHD, HEC Paris, 2016

Shepard, Mark Cullom, Visiting Lecturer
Eng Tech & Ind Distribution
MS, University of Houston, 2018

Sherrod, Denise, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MEN, Texas A&M University, 2021

Simmons, Tiffany Ann, Visiting Lecturer
Eng Tech & Ind Distribution
MS, Southern Illinois University, 2019

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

Smith, Clint D, 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, Professor
Eng Tech & Ind Distribution
PHD, University of Minnesota, Twin Cities, 2011

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

Spence, Lisa A, Senior Lecturer
Eng Tech & Ind Distribution
PHD, Gonzaga University, 2022

Sweeney, David S, Visiting Associate Professor of the Practice
Eng Tech & Ind Distribution
PHD, Texas A&M University, 2018

Swink, Virginia C, Visiting Senior Lecturer
Eng Tech & Ind Distribution
BS, King's College, 1986

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

Tingey, Scott M, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MBA, Washington State University, 2000

Tofighi Zavareh, Amir, Assistant Professor
Eng Tech & Ind Distribution
PHD, Texas A&M University, 2019

Tong, David Y C, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MA, Houston Baptist University, 2019

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

Vadali, Sharada R., 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

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

Wang, Hairong, Visiting Lecturer
Eng Tech & Ind Distribution
MS, Georgia Institute of Technology, 2021

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

Wascom, David, Visiting Senior Lecturer
Eng Tech & Ind Distribution
MS, Louisiana State University, 1990

Webster, Sunshine P, Instructional Associate Professor
Eng Tech & Ind Distribution
PHD, The University of Texas at Austin, 2009

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, Norma Lucia, Visiting Lecturer
Eng Tech & Ind Distribution
PHD, Texas A&M University, 2011

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, Visiting Instructional Professor
Eng Tech & Ind Distribution
PHD, Texas A&M University, 1993

Majors

- Bachelor of Science in Electronic Systems Engineering Technology (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-electronic-systems-bs/)
- Bachelor of Science in Industrial Distribution (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/industrial-distribution-bs/)
- Bachelor of Science in Manufacturing and Mechanical Engineering Technology (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technology-manufacturing-mechanical-bs/)
- Bachelor of Science in Multidisciplinary Engineering Technology, Electro Marine Engineering Technology Track (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-electro-marine-engineering-technology-track/)
- Bachelor of Science in Multidisciplinary Engineering Technology, Mechatronics Track (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-mechatronics-track/)
- Bachelor of Science in Multidisciplinary Engineering Technology, STEM Education Track (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/multidisciplinary-engineering-technology-bs-stem-education-track/)

Minors

- Embedded Systems Integration Minor (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/embedded-systems-integration-minor/)
- Information Technology Service Management Minor (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/information-technology-service-management-minor/)
- Technical Sales Minor (https://catalog.tamu.edu/undergraduate/engineering/technology-industrial-distribution/technical-sales-minor/)