

# DEPARTMENT OF MULTIDISCIPLINARY ENGINEERING

The Department of Multidisciplinary Engineering provides opportunities for engineering study outside the constraints of traditional engineering curricula. Students may engage with the department in a variety of ways including four-year engineering degrees, combination degree programs that award baccalaureate and graduate/professional degrees in a shortened timeframe, minors, certificates, courses, and a range of engaging programs such as Engineering Entrepreneurship (<https://engineering.tamu.edu/student-life/eep/>) and Subsea Engineering (<https://engineering.tamu.edu/mtde/academics/degrees/graduate/mse-subsea/about-the-subsea-engineering-program.html>).

The mission of the Department of Multidisciplinary Engineering is to:

1. Utilize the strength of the College of Engineering's core discipline departments to ensure graduates have strong technical skills appropriate to engineering practice,
2. Provide a vehicle for innovation in both engineering curriculum design and pedagogy, including active classroom techniques, laboratories, and other experiential learning activities such as fabrication, research, internship, and co-op,
3. Offer customizable opportunities for regional and/or underserved populations,
4. Enable means for students to have unique interdisciplinary/multidisciplinary educational experiences, which may include non-engineering disciplines,
5. Support access for students to develop knowledge and skills in emerging and even not-yet-existing fields, and
6. Prepare leaders and engineers who exhibit a dedication to life-long learning, professional and ethical behaviors, sensitivity to global and cultural awareness and impact, and being agents of positive change.

In addition to activities at the College Station campus, the department maintains strong presences at the Galveston and McAllen campuses and through distance education worldwide. The department is an active innovator in engineering education through the creation and delivery of programs as well as granting students the ability to create new fields of study through the interdisciplinary engineering degree programs.

## Faculty

Anwar, Saira, Assistant Professor  
Multidisciplinary Engineering  
PHD, Purdue University, 2020

Arshad, Muzammil, Instructional Associate Professor  
Multidisciplinary Engineering  
PHD, Florida Institute of Technology, 2018

Boehm, Rodney, Associate Professor of the Practice  
Multidisciplinary Engineering  
MS, Texas A&M University, 1979

Brewer, Maurice, Adjunct Professor  
Multidisciplinary Engineering  
MBA, Harvard Graduate School of Business Administration, 1984

Brumbelow, James, Associate Professor  
Multidisciplinary Engineering  
PHD, Georgia Institute of Technology, 2001

Conkey, Andrew, Instructional Associate Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2007

Criscione, John, Professor  
Multidisciplinary Engineering  
MD, The Johns Hopkins University, 1999  
PHD, The Johns Hopkins University, 1999

Curran, Christopher, Associate Professor of the Practice  
Multidisciplinary Engineering  
BS, Texas A&M University, 1987

Diaz Rodriguez, Ivan, Instructional Assistant Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2017

Donnell, James, Professor of the Practice  
Multidisciplinary Engineering  
BS, Texas A&M University, 1982

Fox, Rafael, Associate Professor of the Practice  
Multidisciplinary Engineering  
MS, Texas A&M University Kingsville, 1996

Jacobs, Timothy, Professor  
Multidisciplinary Engineering  
PHD, University of Michigan, 2005

Ledbetter, William, Professor of the Practice  
Multidisciplinary Engineering  
BS, Texas A&M University, 1975

Ligler, George, Professor  
Multidisciplinary Engineering  
PHD, University of Oxford, 1975

Lopez, Oscar, Professor of the Practice  
Multidisciplinary Engineering  
MS, University of California at Berkeley, 1988

Lunney, Joseph, University Distinguished Professor  
Multidisciplinary Engineering  
JD, Stanford University, 1990  
PHD, TULANE UNIVERSITY, 2006

Medina, Mario, Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 1992

Moreno, Michael, Associate Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2009

Morganti, Dianna, Instructional Associate Professor  
Multidisciplinary Engineering  
MLS, University of North Texas, 2003

Munoz Vazquez, Aldo, Instructional Assistant Professor  
Multidisciplinary Engineering  
PHD, Centro de Investigacion y de Estudios Avanzados, 2017

Osborne, Lisa, Associate Professor of the Practice  
Multidisciplinary Engineering  
BS, University of Texas at Austin, 1984

Porter, Jay, Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 1993

Rich, Sharon, Professor Of The Practice  
Multidisciplinary Engineering  
BS, Texas A&M University - Galveston, 1992

Robbins, Andrew, Research Assistant Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2018

Sears, Nicholas, Instructional Assistant Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2017

Shaw, Surupa, Assistant Professor  
Multidisciplinary Engineering  
PHD, University of New Hampshire, 2015

Shryock, Kristi, Associate Professor  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2011

Shukla, Keshawa, Professor of the Practice  
Multidisciplinary Engineering  
PHD, Banaras Hindu University, 1979

Walters, Filza, Professor of the Practice  
Multidisciplinary Engineering  
MBA, Lawrence Technological University, 1997

Wolf, Charles, Professor of the Practice  
Multidisciplinary Engineering  
PHD, Texas A&M University, 2001

## Minors

- Engineering Project Management Minor (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/engineering-project-management-minor/>)

## Majors

- Bachelor of Science in Architectural Engineering, Mechanical Systems for Buildings Track (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/architectural-engineering-bs-mechanical-systems-buildings-track/>)
- Bachelor of Science in Architectural Engineering, Structural Systems for Buildings Track (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/architectural-engineering-bs-structural-systems-buildings-track/>)
- Bachelor of Science in Interdisciplinary Engineering (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/interdisciplinary-engineering-bs/>)
- Bachelor of Science in Interdisciplinary Engineering and Master of Public Health in Occupational Safety and Health, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/interdisciplinary-engineering-bs-occupational-safety-and-health-mph/>)
- Bachelor of Science in Interdisciplinary Engineering and Juris Doctor, 6-Year Degree Program (<http://catalog.tamu.edu/undergraduate/engineering/multidisciplinary/interdisciplinary-engineering-bs-juris-doctor/>)