

# 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, masters and doctoral degrees, combination degree programs that award multiple degrees in a shortened timeframe, 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

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

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

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

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

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

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

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

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

## Masters

- Master of Engineering in Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/multidisciplinary/engineering-meng/>)
- Master of Engineering in Engineering and Doctor of Medicine Combined Degree Program (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/interdepartmental-degree-programs/men-md/>)
- Master of Science in Interdisciplinary Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/multidisciplinary/interdisciplinary-ms/>)

## Doctoral

- Doctor of Engineering in Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/multidisciplinary/engineering-deng/>)
- Doctor of Philosophy in Interdisciplinary Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/multidisciplinary/interdisciplinary-phd/>)

## Certificates

- Engineering Project Management Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/interdepartmental-degree-programs/engineering-project-management-certificate/>)
- Subsea Engineering Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/multidisciplinary/subsea-engineering-certificate/>)