The faculty of the Zachry Department of Civil and Environmental Engineering strives to ensure that our ever-evolving educational programs accomplish several objectives. First, our faculty must prepare the students to address the current and future civil and environmental engineering needs of the State of Texas, the nation and the world by being able to recognize the important geopolitical and public policy needs; and solve technical problems. In addition, the Department provides a curriculum that integrates scientific and technical knowledge with an appreciation for social, economic, and political concerns. The curriculum and programs provide opportunities for our students to:

1. build leadership skills,
2. learn professionalism and ethical responsibility, and
3. develop an understanding of the need to engage in lifelong learning.

Finally, the faculty of the Zachry Department of Civil and Environmental Engineering at Texas A&M University promotes the highest academic standards of excellence, quality, and ethics in both our undergraduate and graduate programs, and in doing so create both a culture of excellence and a community of scholars. Through our programs, our faculty and graduates provide local, state, national, and international leadership to a profession that must solve the civil and environmental engineering problems facing an increasingly complex society.

B.S. in Civil Engineering

The program educational objectives for the undergraduate civil engineering program within the Department of Civil and Environmental Engineering at Texas A&M University are to produce graduates:

1. who are prepared to enter civil engineering practice and/or continue their education through study in graduate and professional programs,
2. most of whom will become practicing civil engineers with most of these becoming licensed professional engineers, and
3. many of whom will pursue advanced studies.

The undergraduate program in civil engineering within the Zachry Department of Civil and Environmental Engineering at Texas A&M is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (http://www.abet.org/).

Students pursuing a B.S. in Civil Engineering can follow a general track or specialize in one of seven areas. Eight tracks are available for undergraduate study within Civil Engineering as follows:

1. General Civil Engineering
2. Coastal Engineering
3. Construction Engineering and Management
4. Geotechnical Engineering
5. Environmental Engineering
6. Structural Engineering
7. Transportation Engineering
8. Water Resources Engineering

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

Graduate programs in civil engineering are also available. These programs allow further specialization and offer more in-depth study to address more complex technical and management issues. Graduate degrees also offer additional employment opportunities.

B.S. in Environmental Engineering

The program educational objectives for the undergraduate environmental engineering program within the Department of Civil and Environmental Engineering at Texas A&M University are to produce graduates:

1. who are prepared to enter environmental engineering practice and/or continue their education through study in graduate and professional programs,
2. most of whom will become practicing environmental engineers with most of these becoming licensed professional engineers, and
3. many of whom will pursue advanced studies.

Our environmental engineering curriculum is unique in that it:

1. Has a specific focus on the protection of public and environmental health by solving environmental challenges;
2. Showcases a broad range of coursework to pursue specific environmental interests in natural or engineered systems;
3. Is multidisciplinary in every approach, melding earth science, life science, chemistry, social science and engineering;
4. Provides the tools to develop solutions to solve emerging and existing issues such as water treatment, climate change, and other environmental challenges.

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

Faculty

Appleton, Robert A, Associate Professor of the Practice
Civil Engineering
BS, Texas A&M University, 1984

Aubeny, Charles P, Professor
Civil Engineering
PHD, Massachusetts Inst of Technology, 1992

Autenrieth, Robin L, Professor
Civil Engineering
PHD, Clarkson University, 1986

Banks, Margaret K, University Distinguished Professor
Civil Engineering
PHD, Duke University, 1989

Barroso, Luciana R, Associate Professor
Civil Engineering
PHD, Stanford University, 1999

Birely, Anna C, Associate Professor
Civil Engineering
PHD, University of Washington, 2012

Birgisson, Bjorn, Professor
Civil Engineering
PHD, University of Minnesota, 1996

Bracci, Joseph M, Professor
Civil Engineering
PHD, University at Buffalo - SUNY, 1992

Brackin, Michael S, Instructional Assistant Professor
Civil Engineering
PHD, Texas A&M University, 2017

Briaud, Jean-Louis, University Distinguished Professor
Civil Engineering
PHD, University of Ottawa, Canada, 1979

Brumelow, James K, Associate Professor
Civil Engineering
PHD, Georgia Institute of Technology, 2001

Bullard, Jeffrey, Professor
Civil Engineering
PHD, University of California - Berkeley, 1993

Burris, Mark W, Professor
Civil Engineering
PHD, University of South Florida, 2001

Cahill, Anthony T, Associate Professor
Civil Engineering
PHD, Johns Hopkins University, 1998

Chang, Kuang-An, Professor
Civil Engineering
PHD, Cornell University, 1999

Chellam, Shankararaman, Professor
Civil Engineering
PHD, Rice University, 1995

Chen, Hamn C, Professor
Civil Engineering
PHD, University of Iowa, 1982

Chinn, Timothy D, Professor of the Practice
Civil Engineering
BS, Texas A&M University, 1980

Chu, Kung-Hui, Professor
Civil Engineering
PHD, University of California, Berkeley, 1998

Damnjanovic, Ivan, Associate Professor
Civil Engineering
PHD, University of Texas, 2006

England, Peter S, Instructional Associate Professor
Civil Engineering
PHD, Texas Tech University, 2011

Ford, David N, Professor
Civil Engineering
PHD, Massachusetts Inst of Technology, 1995

Gao, Huilin, Associate Professor
Civil Engineering
PHD, Princeton University, 2005

Gharaibeh, Nasir G, Associate Professor
Civil Engineering
PHD, University of Illinois, 1997

Grasley, Zachary C, Professor
Civil Engineering
PHD, University of Illinois Urbana Champaign, 2006

Hawkins Jr, Harvey E, Professor
Civil Engineering
PHD, Texas A&M University, 1993
Hueste, Marybeth D, Professor  
Civil Engineering  
PHD, University of Michigan, 1997

Hurlebaus, Stefan, Professor  
Civil Engineering  
PHD, University of Stuttgart, Germany, 2002

Hutchinson, Richard N, Instructional Assistant Professor  
Civil Engineering  
PHD, Texas A&M University, 2015

Kaifatu, James M, Professor  
Civil Engineering  
PHD, University of Delaware, 1994

Keating, Peter B, Associate Professor  
Civil Engineering  
PHD, Lehigh University, 1987

Kim, Yong-Rak, Professor  
Civil Engineering  
PHD, Texas A&M University, 2003

Koliou, Maria, Assistant Professor  
Civil Engineering  
PHD, University of Buffalo - The State University of New York, 2014

Little, Dallas N, Professor  
Civil Engineering  
PHD, Texas A&M University, 1979

London, Mara R, Instructional Associate Professor  
Civil Engineering  
PHD, University of Texas at Austin, 2009

Lord, Dominique, Professor  
Civil Engineering  
PHD, University of Toronto, 2000

Lowery Jr, Lee L, Senior Professor  
Civil Engineering  
PHD, Texas A&M University, 1967

Lyle, Stacey, Associate Professor Of The Practice  
Civil Engineering  
PHD, University of Georgia, 2003

Lytton, Robert L, Professor  
Civil Engineering  
PHD, University of Texas - Austin, 1967

Ma, Xingmao, Associate Professor  
Civil Engineering  
PHD, Missouri University of Science and Technology, 2004

Mander, John B, Professor  
Civil Engineering  
PHD, University of Canterbury, 1984

Martin, Amy E, Professor  
Civil Engineering  
PHD, University of California, Berkeley, 1997

McKay, Garrett, Assistant Professor  
Civil Engineering  
PHD, University of Colorado Boulder, 2017

Medina Cetina, Zenon, Associate Professor  
Civil Engineering  
PHD, John Hopkins University, 2007

Mercier, Richard S, Professor  
Civil Engineering  
PHD, Massachusetts Inst of Technology, 1985

Miller, Gretchen R, Associate Professor  
Civil Engineering  
PHD, University of California, Berkeley, 2009

Mostafavidarani, Ali, Associate Professor  
Civil Engineering  
PHD, Purdue University, 2013

Niedzweci, John M, Professor  
Civil Engineering  
PHD, The Catholic University of America, 1977

Noshadravan, Arash, Assistant Professor  
Civil Engineering  
PHD, University of Southern California, 2011

Olivera, Francisco, Associate Professor  
Civil Engineering  
PHD, University of Texas, 1996

Paal, Stephanie G, Assistant Professor  
Civil Engineering  
PHD, Georgia Institute of Technology, 2013

Pittman, Leslie W, Associate Professor of the Practice  
Civil Engineering  
MS, Colorado State University, 1978

Puppala, Anand, Professor  
Civil Engineering  
PHD, Louisiana State University, 1993

Quadriofoglio, Luca, Associate Professor  
Civil Engineering  
PHD, University of Southern California, 2005

Rogers Jr, Alton G, Associate Professor of the Practice  
Civil Engineering  
BS, Texas A&M University, 1976

Sakhaei Far, Maryam S, Assistant Professor  
Civil Engineering  
PHD, North Carolina State University, 2011

Sanchez Castilla, Marcelo Javier, Professor  
Civil Engineering  
PHD, Universidad Politectnica de Catalunya (UPC), Barcelona, Spain, 2004

Scarfuto, Jessica C, Lecturer  
Civil Engineering  
MS, Texas A&M University, 2014
Sideris, Petros, Assistant Professor
Civil Engineering
PHD, University of Buffalo, State University of New York, 2012

Socolofsky, Scott A, Professor
Civil Engineering
PHD, Massachusetts Inst of Technology, 2001

Torres, Jacob, Senior Lecturer
Civil Engineering
PHD, Rice University, 2016

Walewski, John A, Associate Professor of the Practice
Civil Engineering
PHD, University of Texas, 2005

Wang, Xiubin B, Professor
Civil Engineering
PHD, University of California, Irvine, 2001

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

Wurbs, Ralph A, Senior Professor
Civil Engineering
PHD, Colorado State University, 1978

Yarnold, Matthew T, Assistant Professor
Civil Engineering
PHD, Drexel University, 2013

Ying, Qi, Associate Professor
Civil Engineering
PHD, University of California, Davis, 2004

Zhang, Yunlong, Professor
Civil Engineering
PHD, Virginia Tech, 1996

Zollinger, Dan, Professor
Civil Engineering
PHD, University of Illinois at Urbana-Champaign, 1989

• Bachelor of Science in Civil Engineering, Coastal and Ocean Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/coastal-ocean-engineering-track/)
• Bachelor of Science in Civil Engineering, Construction Engineering and Management Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/construction-engineering-management-track/)
• Bachelor of Science in Civil Engineering, Environmental Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/environmental-engineering-track/)
• Bachelor of Science in Civil Engineering, General Civil Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/general-civil-engineering-track/)
• Bachelor of Science in Civil Engineering, Geotechnical Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/geotechnical-engineering-track/)
• Bachelor of Science in Civil Engineering, Structural Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/structural-engineering-track/)
• Bachelor of Science in Civil Engineering, Transportation Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/transportation-engineering-track/)
• Bachelor of Science in Civil Engineering, Water Resources Engineering Track (https://currcatalog.tamu.edu/undergraduate/engineering/civil/bs/water-resources-engineering-track/)
• Bachelor of Science in Environmental Engineering (https://currcatalog.tamu.edu/undergraduate/engineering/civil/environmental-engineering-bs/)