The Department of Chemical Engineering offers three graduate degrees: Doctor of Philosophy (PhD), Master of Science (MS), and Master of Engineering (MEng). The PhD and MS degree programs include a significant research component in addition to graduate coursework. Information about specific departmental requirements for coursework and examinations is available upon request from the graduate advisor and on our website, [http://engineering.tamu.edu/chemical/](http://engineering.tamu.edu/chemical/).

Some of the research areas available within the department include: advanced materials, applied fluid mechanics and transport phenomena, catalysis, kinetics and reaction engineering, microelectronics and plasma processing, nanotechnology, polymers, process modeling and control, process optimization, process safety and design, systems biology, thermodynamics, and molecular simulation. Modern equipment is available in numerous laboratories to perform research in these and other areas.

**Faculty**

Akbulut, Mustafa, Associate Professor  
Chemical Engineering  
PHD, University of California at Santa Barbara, 2007

Alam, Mohammad, Lecturer  
Chemical Engineering  
PHD, University of Hong Kong, 1999

Aydogmus, Turkan, Associate Professor Of The Practice  
Chemical Engineering  
PHD, Texas A&M University, 2004

Balbuena, Perla B, Professor  
Chemical Engineering  
PHD, The University of Texas at Austin, 1996

Barteau, Mark A, Professor  
Chemical Engineering  
PHD, Stanford University, 1981

Behie, Stewart, Professor of the Practice  
Chemical Engineering  
PHD, The University of Western Ontario, 1974

Djire, Abdoulaye, Assistant Professor  
Chemical Engineering  
PHD, University of Michigan, 2016

El-Halwagi, Mahmoud M, Professor  
Chemical Engineering  
PHD, University of California at Los Angeles, 1990

Elabd, Yossef A, Professor  
Chemical Engineering  
PHD, Johns Hopkins University, 2001

Gagnon, Zachary, Associate Professor  
Chemical Engineering  
PHD, University of Notre Dame, 2009

Green, Micah, Professor  
Chemical Engineering  
PHD, Massachusetts Institute of Technology, 2007

Halim, Syeda, Lecturer  
Chemical Engineering  
PHD, Texas A&M University, 2019

Hasan, M M Faruque, Associate Professor  
Chemical Engineering  
PHD, National University of Singapore, 2010

Hilaly, Ahmad K, Professor of the Practice  
Chemical Engineering  
PHD, Colorado State University, 1992

Holtzapple, Mark T, Professor  
Chemical Engineering  
PHD, University of Pennsylvania, 1981

Jayaraman, Arul, Professor  
Chemical Engineering  
PHD, University of California at Irvine, 1998

Jeong, Hae-Kwon, Professor  
Chemical Engineering  
PHD, University of Minnesota, 2004

Kravaris, Costas, Professor  
Chemical Engineering  
PHD, California Institute of Technology, 1984

Kuo, Yue, Professor  
Chemical Engineering  
PHD, Columbia University, 1980

Kwon, Joseph, Associate Professor  
Chemical Engineering  
PHD, University of California at Los Angeles, 2015

Lele, Pushkar P, Associate Professor  
Chemical Engineering  
PHD, University of Delaware, Newark, 2010

Linke, Patrick, Professor  
Chemical Engineering  
PHD, University of Manchester Institute of Science and Technology, 2001

Lutkenhaus, Jodie L, Professor  
Chemical Engineering  
PHD, Massachusetts Institute of Technology, 2007
Mashuga, Chad V, Assistant Professor
Chemical Engineering
PHD, Michigan Technological University, 1999

Pistikopoulos, Efstratios, Professor
Chemical Engineering
PHD, Carnegie Mellon University, 1988

Reeves, Gregory, Associate Professor
Chemical Engineering
PHD, Princeton University, 2008

Rodden, John, Professor of the Practice
Chemical Engineering
PHD, Texas A&M University, 1988

Rogers, William J, Lecturer
Chemical Engineering
PHD, Ohio State University, 1976

Seminario, Jorge M, Professor
Chemical Engineering
PHD, Southern Illinois University Carbondale, 1987

Sentmanat, Martin, Professor of the Practice
Chemical Engineering
PHD, McGill University, 1995

Sun, Qing, Assistant Professor
Chemical Engineering
PHD, University of Delaware, 2010

Tamamis, Phanourios, Assistant Professor
Chemical Engineering
PHD, University of Cyprus, 2010

Tseregounis, Spyros, Professor of the Practice
Chemical Engineering
PHD, University of California at Los Angeles, 1984

Ugaz, Victor, Professor
Chemical Engineering
PHD, Northwestern University, 1999

Vaddiraju, Sreeram, Associate Professor
Chemical Engineering
PHD, University of Louisville, 2006

Wang, Qingsheng, Associate Professor
Chemical Engineering
PHD, Texas A&M University, 2010

Weatherston, Joshua, Lecturer
Chemical Engineering
PHD, Texas A&M University, 2019

Wilhite, Benjamin A, Associate Professor
Chemical Engineering
PHD, University of Notre Dame, 2003

Wu, Hung-Jen, Associate Professor
Chemical Engineering
PHD, Texas A&M University, 2006

Zhu, Xuejun, Assistant Professor
Chemical Engineering
PHD, University of California, Berkeley, 2017

**Masters**
- Master of Engineering in Chemical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/meng/)
- Master of Science in Chemical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/ms/)

**Doctoral**
- Doctor of Philosophy in Chemical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/phd/)

**Certificates**
- Engineering Therapeutics Manufacturing Certificate (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/engineering-therapeutics-manufacturing-certificate/)