

# ARTIE MCFERRIN DEPARTMENT OF CHEMICAL ENGINEERING

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**Head:** V. Ugaz

**Graduate Advisor:** M. Green

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

Abdalla, Ahmed A, Professor  
Chemical Engineering-Qatar Campus  
PHD, North Carolina State University, 2001

Abdel-Wahab, Ahmed I, Professor  
Chemical Engineering-Qatar Campus  
PHD, Texas A&M University, 2003

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

Al-Mohannadi, Dhabia, Engineering Assistant Professor  
Chemical Engineering-Qatar Campus  
PHD, Texas A&M University, 2019

Al-Rawashdeh, Ma'moun, Engineering Assistant Professor  
Chemical Engineering-Qatar Campus  
PHD, Technical University of Eindhoven, Netherlands, 2013

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

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

Economou, Ioannis, Professor  
Chemical Engineering-Qatar Campus  
PHD, Johns Hopkins University, 1993

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

Elbashir, Nimir O, Professor  
Chemical Engineering-Qatar Campus  
PHD, Auburn University, 2004

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

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

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

Holtzapfel, 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

Kakosimos, Konstantinos E, Associate Professor  
Chemical Engineering-Qatar Campus  
PHD, Aristotle University, 2009

Khan, Faisal, Professor  
Chemical Engineering  
PHD, Pondicherry University, 1998

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

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

Lutkenhaus, Jodie L, Professor  
Chemical Engineering  
PHD, Massachusetts Institute of Technology, 2007

Malave, Ceasar, Professor  
Chemical Engineering-Qatar Campus  
PHD, University of South Florida, 1987

Mashuga, Chad V, Assistant Professor  
Chemical Engineering  
PHD, Michigan Technological University, 1999

Mittal, Jeetain, Professor  
Chemical Engineering  
PHD, The University of Texas at Austin, 2007  
PHD, University of Texas at Austin, 2007

Nounou, Mohamed N, Professor  
Chemical Engineering-Qatar Campus  
PHD, Ohio State University, 2000

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

Salama, Ghada H, Instructional Professor  
Chemical Engineering-Qatar Campus  
PHD, Cairo University, 2001

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

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

Shetty, Manish, Assistant Professor  
Chemical Engineering  
PHD, Massachusetts Institute of Technology, 2017

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

Tamamis, Phanourios, Associate 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

Vechot, Luc N, Associate Professor  
Chemical Engineering-Qatar Campus  
PHD, Ecole Nationale Supérieure des Mines de Saint Etienne, France, 2007

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

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

Woodard, Susan, Senior Lecturer  
Chemical Engineering  
PHD, Colorado State University, 1992

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/>)
- Master of Science in Safety Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/ms-seng/>)

## 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/>)
- Safety Engineering Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/safety-engineering-certificate/>)