

ARTIE MCFERRIN DEPARTMENT OF CHEMICAL ENGINEERING

<http://engineering.tamu.edu/chemical> (<http://engineering.tamu.edu/chemical/>)

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

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PHD, Texas A&M University, 2003

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PHD, University of California at Santa Barbara, 2007

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PHD, Queen Mary Westfield College, University of London, 2007

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PHD, Texas A&M University, 2019

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PHD, Technical University of Eindhoven, Netherlands, 2013

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PHD, Stanford University, 1981

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Hu, Chelsea, Assistant Professor
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PHD, University of California at Irvine, 1998

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PHD, Aristotle University, 2009

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PHD, California Institute of Technology, 1984

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Chemical Engineering
PHD, University of California at Los Angeles, 2015

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PHD, University of Delaware, Newark, 2010

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PHD, University of Manchester Institute of Science and Technology, 2001

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PHD, University of South Florida, 1987

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PHD, Michigan Technological University, 1999

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PHD, Ohio State University, 2000

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Chemical Engineering
PHD, Carnegie Mellon University, 1988

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PHD, University of Alberta, 2004

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PHD, Princeton University, 2008

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

Salama, Ghada H, Instructional Professor
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Seminario, Jorge M, Professor
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PHD, Southern Illinois University Carbondale, 1987

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Chemical Engineering
PHD, McGill University, 1995

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PHD, Massachusetts Institute of Technology, 2017

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

Tamamis, Phanourios, Associate Professor
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PHD, University of Cyprus, 2010

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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
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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
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PHD, Texas A&M University, 2006

Xie, Shuyi, Assistant Professor
Chemical Engineering
PHD, University Of Minnesota-Twin Cities, 2020

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/>)
- Safety in Semiconductor Processing (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/chemical/safety-semiconductor-processing-certificate/>)