

DEPARTMENT OF CHEMISTRY

<http://chem.tamu.edu> (<http://chem.tamu.edu/>)

Head: S. W. North

Graduate Advisor: Lei Fang

The Department of Chemistry offers a program of study leading to a PhD degree in Chemistry.

The PhD degree curriculum in chemistry is designed to 1) provide students with an understanding of chemical principles 2) train students to become independent chemical researchers, 3) teach students how to effectively communicate the results of chemical research, and 4) prepare students to become professional chemists. Upon completion of the PhD program in chemistry students are qualified for a wide range of highly specialized careers, such as staff scientists in industrial and government labs, and as postdoctoral researchers or faculty members at academic institutions.

The PhD degree program is designed to ensure that students receive extensive research experience. Opportunities for research are available to graduate students in all areas of modern chemistry including analytical, atmospheric, biological, catalysis, computational, energy, environmental, inorganic, materials, nuclear, organic, organometallic, physical and polymer chemistry, etc. Students are trained in state-of-the-art instrumentation facilities, laboratories, and shops. In addition to research, graduate students in the Department of Chemistry are required to enroll in chemistry coursework, serve as teaching assistants for at least two semesters, and present and attend seminars.

Chemistry graduate students are generally admitted into the PhD program. However, with approval, a student may pursue a research-based MS degree with thesis.

For further details about programs, faculty, facilities and financial assistance, write to the Graduate Advisor of the Department of Chemistry, or send an email message to gradmail@chem.tamu.edu. Additional information may be found on the departmental website at <http://chem.tamu.edu> (<http://chem.tamu.edu/>) .

Faculty

Al-Hashimi, Mohammed, Research Associate Professor
Chemistry
PHD, Queen Mary Westfield College, University of London, 2007

Altemose, Alicia, Lecturer
Chemistry
PHD, Penn State University, 2020

Banerjee, Sarbajit, Professor
Chemistry
PHD, State University of New York at Stony Brook, 2004

Barondeau, David P, Associate Professor
Chemistry
PHD, Texas A&M University, 1996

Batteas, James D, Professor
Chemistry
PHD, University of California at Berkeley, 1995

Bazzi, Hassan S, Professor
Chemistry
PHD, McGill University, 2003

Begley, Tadhg P, University Distinguished Professor
Chemistry
PHD, California Institute of Technology, 1983

Bengali, Ashfaq A, Professor
Chemistry
PHD, University of Minnesota, 1992

Bergbreiter, David E, Regents Professor
Chemistry
PHD, Massachusetts Institute of Technology, 1974

Bethel, Ryan D, Senior Lecturer
Chemistry
PHD, Texas A&M University, 2014

Bluemel, Janet F, Professor
Chemistry
PHD, Technical University of Munich, Germany, 1989

Brothers, Edward N, Professor
Chemistry
PHD, Pennsylvania State University, 1997

Brown, Lawrence S, Instructional Associate Professor
Chemistry
PHD, Princeton University, 1986

Burgess, Kevin, Professor
Chemistry
PHD, The University of Cambridge, 1983

Collins, Daniel P, Senior Lecturer
Chemistry
PHD, University of South Carolina, 2012

Darensbourg, Donald J, Distinguished Professor
Chemistry
PHD, University of Illinois, 1968
PHD, University of Illinois at Urbana-Campaign, 1968

Darensbourg, Marcetta, Distinguished Professor
Chemistry
PHD, University of Illinois at Urbana-Campaign, 1967

Dunbar, Kim R, Distinguished Professor
Chemistry
PHD, Purdue University, 1984

Fang, Lei, Associate Professor
Chemistry
PHD, Northwestern University, 2010

Folden III, Charles M, Associate Professor
Chemistry
PHD, University of California at Berkeley, 2004

Gabbai, Francois P, University Distinguished Professor
Chemistry
PHD, Technische Universitat Munchen, Germany, 1999

Gaede, Holly C, Instructional Professor
Chemistry
PHD, University of California at Berkeley, 1995

Gladysz, John A, Distinguished Professor
Chemistry
PHD, Stanford University, 1974

Goodey, Joanna R, Instructional Associate Professor
Chemistry
PHD, University of Houston, 2001

Hall, Michael B, Professor
Chemistry
PHD, University of Wisconsin, Madison, 1971

Hilty, Christian B, Professor
Chemistry
PHD, Swiss Federal Institute of Technology Zurich, 2004

Hughbanks, Timothy R, Professor
Chemistry
PHD, Cornell University, 1983

Laane, Jaan, Professor
Chemistry
PHD, Massachusetts Institute of Technology, 1967

Laganowsky, Arthur D, Associate Professor
Chemistry
PHD, University of California Los Angeles, 2011

Lee, Edward, Lecturer
Chemistry
PHD, University of Virginia at Charlottesville, 2011

Lim, Soon Mi, Instructional Associate Professor
Chemistry
PHD, Texas A&M University, 2006

Lindahl, Paul A, Professor
Chemistry
PHD, Massachusetts Institute of Technology, 1985

Liu, Wenshe, Professor
Chemistry
PHD, University of California at Davis, 2005

Madrahimov, Sherzod T, Associate Professor
Chemistry
PHD, University of Illinois, 2012

Mawk, Elmo J, Instructional Assistant Professor
Chemistry
PHD, Texas A&M University, 1999

McCartney, Stephanie A, Senior Lecturer
Chemistry
PHD, George Washington University, 2009

Michaudel, Quentin, Assistant Professor
Chemistry
PHD, The Scripps Research Institute, 2015

Mullen, Christine A, Senior Lecturer
Chemistry
PHD, University of California at San Diego, 2000

Nippe, Michael, Associate Professor
Chemistry
PHD, University of Wisconsin, Madison, 2011

North, Simon W, Professor
Chemistry
PHD, University of California at Berkeley, 1995

Ozerov, Oleg V, Professor
Chemistry
PHD, University of Kentucky, 2000

Pennington, James D, Instructional Associate Professor
Chemistry
PHD, University of Michigan, 1998

Pentzer, Emily, Associate Professor
Chemistry
PHD, Northwestern University, 2010

Ponnamperuma, Krishan, Senior Lecturer
Chemistry
PHD, University of Cambridge, UK, 1992

Powers, David C, Associate Professor
Chemistry
PHD, Harvard University, 2012

Powers, Tamara M, Instructional Assistant Professor
Chemistry
PHD, Harvard University, 2013

Raushel, Frank M, Distinguished Professor
Chemistry
PHD, University of Wisconsin, Madison, 1976

Rosynek, Michael P, Professor
Chemistry
PHD, Rice University, 1972

Russell, David H, Professor
Chemistry
PHD, University of Nebraska at Lincoln, 1978

Saber, Mohamed, Lecturer
Chemistry
PHD, Texas A&M University, 2013

San Pedro, Joanna Maria N, Senior Lecturer
Chemistry
PHD, Johns Hopkins University, 2014

Santander, Patricio J, Senior Lecturer
Chemistry
PHD, Texas A&M University, 1987

Schaefer, Amber J, Instructional Assistant Professor
Chemistry
PHD, Rice University, 2007

Schweikert, Emile A, Professor
Chemistry
PHD, Universite de Paris, France, 1964

Sczepanski, Jonathan T, Associate Professor
Chemistry
PHD, The Johns Hopkins University, 2010

Serrano, Catherine M, Lecturer
Chemistry
PHD, University of Utah, 2015

Sheldon, Matthew T, Assistant Professor
Chemistry
PHD, University of California at Berkeley, 2010

Singleton, Daniel A, Professor
Chemistry
PHD, University of Minnesota, 1986

Son, Dong H, Professor
Chemistry
PHD, The University of Texas at Austin, 2002

Tabor, Daniel, Assistant Professor
Chemistry
PHD, University of Wisconsin, Madison, 2016

Thomas, Andy, Assistant Professor
Chemistry
PHD, University of Illinois at Urbana - Champaign, 2017

Waas, Jack R, Senior Lecturer
Chemistry
PHD, University of Michigan, 1997

Watanabe, Coran M, Professor
Chemistry
PHD, John Hopkins University, 1999

Williamson, Vickie M, Instructional Professor
Chemistry
PHD, University of Oklahoma, 1992

Wooley, Karen L, University Distinguished Professor
Chemistry
PHD, Cornell University, 1993

Xu, Shiqing, Research Associate Professor
Chemistry
PHD, Fudan University, 2009

Yan, Xin, Assistant Professor
Chemistry
PHD, Purdue University, 2015

Yennello, Sherry J, Professor
Chemistry
PHD, Indiana University, 1990

Zhou, Hongcai J, Professor
Chemistry
PHD, Texas A&M University, 2000

Masters

- Master of Science in Chemistry (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/arts-and-sciences/chemistry/ms/>)

Doctoral

- Doctor of Philosophy in Chemistry (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/arts-and-sciences/chemistry/phd/>)