

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 fundamental chemical principles; (2) train students to become independent researchers, broadly defined, in the chemical sciences; (3) teach students how to effectively communicate the results of research; and (4) prepare students to become professional scientists and educators. Upon completion of the PhD program in chemistry, students are qualified for a wide range of advanced careers, such as staff scientists/researchers in industrial and government labs, research consultants, science educators, science communicators, or faculty members at academic institutions. This degree can also be a springboard for scientific entrepreneurial opportunities in start-up companies.

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, green, inorganic, materials, mechanochemical, medicinal, nano, nuclear, organic, organometallic, physical, polymer, surface and supramolecular chemistry, etc. Students are trained in the use state-of-the-art instrumentation, advanced laboratory procedures and protocols, as well as laboratory safety. In addition to research, graduate students in the Department of Chemistry garner essential professional experience through their enrollment in advanced chemistry coursework, by serving as teaching assistants for at least two semesters, and by presenting and attending seminars at the cutting edge of their respective fields.

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

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>.

Faculty

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

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

Altman, Alison, Assistant Professor
Chemistry
PHD, University of California, Berkeley, 2017

Baker, Lane, Professor
Chemistry
PHD, Texas A&M University, 2001
PHD, Texas A&M University, 2001

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

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

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

Cai, Yuguang, Instructional Associate Professor
Chemistry
PHD, Princeton University, 2003

Collins, Daniel P, Instructional Associate Professor
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

Edwards, Joshua, Instructional Assistant Professor
Chemistry
PHD, University of Utah, 2022

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

Folden III, Charles M, 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 Professor
Chemistry
PHD, University of Houston, 2001

Gutierrez Santacruz, Osvaldo, Associate Professor
Chemistry
PHD, University of California- Davis, 2012
PHD, University of California-Davis, 2012

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

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

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

Lee, Edward, Senior 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

Martinez, Zachary, Instructional Assistant Professor
Chemistry
PHD, Texas A&M University, 2022

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

McCartney, Stephanie A, Instructional Associate Professor
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, Professor
Chemistry
PHD, Harvard University, 2012

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

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

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

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 Associate 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, Associate 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

Songok, Abigael, Lecturer
Chemistry
PHD, Louisiana State University, 2018

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

Weitzel, Alison, Professor
Chemistry
PHD, Indiana University, Bloomington, 2009

Weitzel, Christopher, Instructional Associate Professor
Chemistry
PHD, Indiana University-Bloomington, 2009

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

Xu, Shiqing, Assistant 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

deGruyter, Justine, Lecturer
Chemistry
PHD, Scripps Research, 2019

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/>)