DEPARTMENT OF CHEMISTRY

http://chem.tamu.edu

Head: S. W. North

Graduate Advisor: Christian B. Hilty

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 to obtain jobs as senior scientists in industrial and government labs or as postdoctoral researchers or junior 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, inorganic, materials, nuclear, organic, organometallic, physical and polymer chemistry. 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, present and attend seminars, and pass a series of cumulative exams.

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.

Faculty

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, Berkeley, 1995

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

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

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

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

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

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

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

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

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

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

Eller, Michael J, Research Assistant Professor
Chemistry
PHD, Texas A&M University, 2012

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

Fierke, Carol A, Provost & Executive Vice President
Chemistry
PHD, Brandeis University, 1984

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

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

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

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

Goodey, Joanna R, Instructional Assistant Professor
Chemistry
PHD, University of Houston, 2001
Gopalakrishnan, Ganesa, Senior Lecturer
Chemistry
PHD, University of Madras, India, 1977

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, Assistant Professor
Chemistry
PHD, University of California, 2011

Lim, Soon Mi, Instructional Assistant 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, Davis, 2005

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

McCartney, Stephanie A, 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, San Diego, 2000

Nippe, Michael, Assistant Professor
Chemistry
PHD, University of Wisconsin-Madison, 2011

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

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

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

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

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

Powers, Tamara M, Lecturer
Chemistry
PHD, Harvard University, 2013

Raushel, Frank M, University 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-Lincoln, 1978

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

San Pedro, Joanna Maria N, 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, Assistant 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, Berkeley, 2010

Singleton, Daniel A, Professor
Chemistry
PHD, University of Minnesota, 1986
Son, Dong H, Professor
Chemistry
PHD, University of Texas at Austin, 2002

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

Watanabe, Coran M, Associate 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, 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/science/chemistry/ms)

Doctoral
• Doctor of Philosophy in Chemistry (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/science/chemistry/phd)