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
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

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

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 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 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  

Mawk, Elmo J, Instructional Associate 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  

Rosynke, 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/science/chemistry/ms/)

**Doctoral**

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