The physics and astronomy curriculum provides classroom and research experience that prepares a graduate student for a career of either research and teaching at a university, or research and development at an industrial or government laboratory. The courses are well suited to graduate students in chemistry, mathematics, geosciences or engineering, as well as those seeking a graduate degree in physics or astronomy.

The faculty members of the department carry out theoretical and experimental research in the following areas: astronomy, atomic and molecular, computational physics, cosmology, high-energy, low-temperature/condensed matter, materials science, nuclear physics, and quantum optics. Laboratories supporting the experimental programs are well-equipped with modern research apparatus. Special support facilities include an astronomical instrumentation laboratory, access to high-performance computing, a variable-energy cyclotron, and many shared campus facilities.

**Faculty**

Abanov, Artem G, Associate Professor  
Physics & Astronomy  
PHD, Texas A&M University, 1998

Agnolet, Glenn, Professor  
Physics & Astronomy  
PHD, Cornell University, 1983

Akimov, Alexey, Associate Professor  
Physics & Astronomy  
PHD, Moscow Institute of Technology, 2003

Allen, Roland E, Professor  
Physics & Astronomy  
PHD, The University of Texas at Austin, 1969

Bassichis, William H, Professor  
Physics & Astronomy  
PHD, Case Western Reserve University, 1963

Becker, Katrin, Professor  
Physics & Astronomy  
PHD, University of Bonn, 1994

Belyanin, Alexey A, Professor  
Physics & Astronomy  
PHD, Institute of Applied Physics Russian Academy of Sciences, 1995

Chin, Siu A, Professor  
Physics & Astronomy  
PHD, Massachusetts Institute of Technology, 1975

Depoy, Darren L, Professor  
Physics & Astronomy  
PHD, University of Hawaii at Manoa, 1987

Dutta, Bhaskar, Professor  
Physics & Astronomy  
PHD, Oklahoma State University, 1995

Erukhimova, Tatiana L, Instructional Professor  
Physics & Astronomy  
PHD, Institute of Applied Physics, Russian Academy of Sciences, 1999

Eusebi, Ricardo, Professor  
Physics & Astronomy  
PHD, University of Rochester, 2006

Finkelstein, Alexander, Professor  
Physics & Astronomy  
PHD, Landau Institute for Theoretical Physics, 1972

Ford, Albert L, Professor  
Physics & Astronomy  
PHD, The University of Texas at Austin, 1972

Fries, Rainer J, Professor  
Physics & Astronomy  
PHD, University of Regensburg, Germany, 2001

Fry, Edward S, Distinguished Professor  
Physics & Astronomy  
PHD, University of Michigan, 1969

Gagliardi, Carl A, Professor  
Physics & Astronomy  
PHD, Princeton University, 1982

Holt, Jeremy W, Assistant Professor  
Physics & Astronomy  
PHD, Stony Brook University, 2008

Kamon, Teruki, Professor  
Physics & Astronomy  
PHD, University of Tsukuba, 1986

Kennicutt, Robert Charles, Professor  
Physics & Astronomy  
PHD, University of Washington, 1978

Khmelenko, Vladimir, Research Professor  
Physics & Astronomy  
PHD, Institute of Chemical Physics, 1984

Ko, Che-Ming, University Distinguished Professor  
Physics & Astronomy  
PHD, State University of New York at Stony Brook, 1973

Kocharovsky, Olga A, Distinguished Professor  
Physics & Astronomy  
PHD, Institute of Applied Physics, Russian Academy of Sciences, 1986

Kocharovsky, Vitaly V, Professor  
Physics & Astronomy  
PHD, Institute of Applied Physics, Russian Academy of Sciences, 1986
Kolomenski, Alexandre, Research Professor  
Physics & Astronomy  
PHD, P N Lebedev Physics Institute of the Russian Academy of Sciences, 1980

Lee, David M, University Distinguished Professor  
Physics & Astronomy  
PHD, Yale University, 1959

Lyuksyutov, Igor F, Professor  
Physics & Astronomy  

Macri, Lucas M, Professor  
Physics & Astronomy  
PHD, Harvard University, 2001

Mahapatra, Rupak K, Professor  
Physics & Astronomy  
PHD, University of Minnesota, 2000

Marshall, Jennifer L, Associate Professor  
Physics & Astronomy  
PHD, Ohio State University, 2006

McIntyre, Peter M, Professor  
Physics & Astronomy  
PHD, University of Chicago, 1973

Melconian, Daniel G, Professor  
Physics & Astronomy  
PHD, Simon Fraser University, 2006

Mioduszewski, Saskia, Professor  
Physics & Astronomy  
PHD, University of Tennessee, 1999

Mirabolfathi, Nader, Research Associate Professor  
Physics & Astronomy  
PHD, University of Paris XI, 2002

Naugle, Donald G, Professor  
Physics & Astronomy  
PHD, Texas A&M University, 1965

Nodurft, Dawson, Instructional Assistant Professor  
Physics & Astronomy  
PHD, Texas A&M University, 2019

Papovich, Casey J, Professor  
Physics & Astronomy  
PHD, Johns Hopkins University, 2002

Pokrovsky, Valery, Distinguished Professor  
Physics & Astronomy  
PHD, Tomsk State University, 1957

Pope, Christopher N, Distinguished Professor  
Physics & Astronomy  
PHD, University of Cambridge, 1980

Rapp, Ralf F, Professor  
Physics & Astronomy  
PHD, Rheinische Friedrich-Wilhelma University, Bonn, 1996

Rogachev, Grigory V, Professor  
Physics & Astronomy  
PHD, National Research Centre, 1999

Ross Jr, Joseph H, Professor  
Physics & Astronomy  
PHD, University of Illinois at Urbana-Champaign, 1986

Safonov, Alexei N, Professor  
Physics & Astronomy  
PHD, University of Florida, 2001

Saslow, Wayne M, Professor  
Physics & Astronomy  
PHD, University of California at Irvine, 1968

Schuessler, Hans A, Professor  
Physics & Astronomy  
PHD, Universitat Heidelberg, 1964

Scully, Marlan O, Distinguished Professor  
Physics & Astronomy  
PHD, Yale University, 1966

Sezgin, Ergin, Professor  
Physics & Astronomy  
PHD, State University of New York at Stony Brook, 1980

Sokolov, Alexei V, Professor  
Physics & Astronomy  
PHD, Stanford University, 2001

Strigari, Louis E, Associate Professor  
Physics & Astronomy  
PHD, Ohio State University, 2005

Suntzeff, Nicholas B, University Distinguished Professor and Regents Professor  
Physics & Astronomy  
PHD, University of California at Santa Cruz, 1980

Teizer, Winfried, Professor  
Physics & Astronomy  
PHD, University of Massachusetts - Amherst, 1998

Toback, David, Professor  
Physics & Astronomy  
PHD, University of Chicago, 1997

Tribble, Robert E, Senior Professor  
Physics & Astronomy  
PHD, Princeton University, 1973

Walsh, Jonelle L, Assistant Professor  
Physics & Astronomy  
PHD, University of California at Irvine, 2011

Wang, Lifan, Professor  
Physics & Astronomy  
PHD, University of Science and Technology of China, 1993

Weimer, Michael B, Professor  
Physics & Astronomy  
PHD, California Institute of Technology, 1986
Welch, George R, Professor  
Physics & Astronomy  
PHD, Massachusetts Institute of Technology, 1989

Wu, Wenhao, Associate Professor  
Physics & Astronomy  
PHD, University of Chicago, 1992

Xu, Shenglong, Research Assistant Professor  
Physics & Astronomy  
PHD, Univ of California, San Diego, 2017

Zheltikov, Alexey M, Professor  
Physics & Astronomy  
PHD, Lomonosov Moscow State University, 1990

Zubairy, Muhammad S, University Distinguished Professor  
Physics & Astronomy  
PHD, University of Rochester, 1979

Masters

- Master of Science in Astronomy ([http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/arts-and-sciences/physics-astronomy/astronomy-ms/](http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/arts-and-sciences/physics-astronomy/astronomy-ms/))

Doctoral