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, Laudau 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

Kochorovskaya, 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

Lykysutov, 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

Ross, 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

Scully, Marlan O, Distinguished 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

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/science/physics-astronomy/astronomy-ms/)
• Master of Science in Physics (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/science/physics-astronomy/physics-ms/)

Doctoral

• Doctor of Philosophy in Applied Physics (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/science/physics-astronomy/applied-physics-phd/)
• Doctor of Philosophy in Astronomy (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/science/physics-astronomy/astronomy-phd/)
• Doctor of Philosophy in Physics (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/science/physics-astronomy/physics-phd/)