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
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PHD, University of Bonn, 1994

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

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PHD, Massachusetts Institute of Technology, 1975

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PHD, Laudau Institute for Theoretical Physics, 1972

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PHD, The University of Texas at Austin, 1972

Fries, Rainer J, Professor
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PHD, University of Michigan, 1969

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PHD, University of Tsukuba, 1986

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PHD, University of Chicago, 1973

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PHD, University of Tennessee, 1999

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PHD, University of Paris XI, 2002

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Physics & Astronomy
PHD, Texas A&M University, 1965

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PHD, Texas A&M University, 2019

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PHD, Johns Hopkins University, 2002

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PHD, Tomsk State University, 1957

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PHD, University of Cambridge, 1980

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

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PHD, National Research Centre, 1999

Ross Jr, Joseph H, Professor
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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
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PHD, Yale University, 1966

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

Sokolov, Alexei V, Professor
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Strigari, Louis E, Associate Professor
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PHD, University of California at Santa Cruz, 1980

Teizer, Winfried, Professor
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PHD, University of Massachusetts - Amherst, 1998

Toback, David, Professor
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PHD, University of Chicago, 1997

Tribble, Robert E, Senior Professor
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PHD, Princeton University, 1973

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

Wang, Lifan, Professor
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PHD, California Institute of Technology, 1986
Welch, George R, Professor
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PHD, Massachusetts Institute of Technology, 1989

Wu, Wenhao, Associate Professor
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PHD, University of Chicago, 1992

Xu, Shenglong, Research Assistant Professor
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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/)