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, Assistant Professor
Physics & Astronomy
PHD, Moscow Institute of Technology, 2003

Allen, Roland E, Professor
Physics & Astronomy
PHD, 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

Becker, Melanie, Professor
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PHD, University of Bonn, Germany, 1994

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

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PHD, University of Hawaii at Manoa, 1987

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PHD, Princeton University, 1982

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PHD, University of Tokyo, 1986

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PHD, Institute of Chemical Physics, 1984

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PHD, State University of New York at Stony Brook, 1973
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PHD, Texas A&M University, 1965

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

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PHD, University of California - Irvine, 1968

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PHD, Universitat Heidelberg, 1964

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PHD, University of California, Irvine, 2011
Wang, Lifan, Professor  
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PHD, University of Science and Technology of China, 1993

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PHD, Princeton University, 1972

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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  
Physics & Astronomy  
PHD, University of Chicago, 1992

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PHD, Univ of California, San Diego, 2017

Zheltikov, Alexey M, Professor  
Physics & Astronomy  
PHD, M.V. 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/)