



Physics

Department

Email: info@sharif.edu

Website: <http://phys.sharif.edu/>

Address: Department of Physics, Sharif University of Technology, P.O. Box 11156-3516, Tehran, Iran.

Telephone number: +98 21 6616 5301-2

The Department of Physics at Sharif University of Technology was established in 1966. In this department, teaching and research activities are conducted in theoretical, computational and experimental Physics. The department places great emphasis on colloquia and seminars, in which graduate students, faculty members and expert scientists participate. Additionally, the department enjoys national and international collaboration

with various centers, such as the European organization for Nuclear Research in Geneva, Switzerland, the institute for studies in theoretical physics and mathematics, the University of California at Riverside, the Abdus Salaam International Center for Theoretical Physics in Trieste, Italy, and Max Planck Institute for the Physics of Complex Systems, Dresden, Germany.

Undergraduate Course Structure

1st year	2nd year	3rd year	4th year
<ul style="list-style-type: none"> • Physics (I), (II) • Physics lab (I), (II) • Math (I), (II) • Physical Education • Diff. Equations 	<ul style="list-style-type: none"> • Physics (III) • Analytical Mechanics (I), (II) • Electromagnetism (I), (II) • Mathematical Physics (I) • Contemporary Physics • Contemporary Physics Lab • Quantic Mechanics (I) 	<ul style="list-style-type: none"> • Statistical Thermodynamics (I), (II) • Quantic Mechanics (II) • Lab (IV) • Elective Courses 	<ul style="list-style-type: none"> • Lab (V) • Quantic (II) • Statistical Thermodynamics (II) • Elective Courses

Graduate Program

In accordance with the requirements of the Graduate School at SUT, Both M.Sc. and Ph.D. degrees in Physics are offered in the following areas:

- Theoretical and Computational Physics

- Astrophysics and Cosmic Ray Physics
- Biophysics
- Complex Systems
- Condensed Matter Physics
- Cosmology and General Relativity
- Foundations of Physics
- Mathematical Physics

- Particle Physics and Field Theory
- Quantum Information
- String Theory
- Experimental Physics
- Chemical Physics
- Cosmic and Gamma Ray Detection
- High Superconductivity

- Low Temperature Physics
- Magnetism
- Laser Medical Physics
- Nanotechnology
- Nonlinear Optics
- Plasma
- Semiconductor Physics
- Surface and Interfaces
- Thin Films

Graduate Research Fields and Facilities

- Astrophysics
- Atomic and Laser Physics
- Complex Systems
- Condensed-Matter Physics
- High-Energy Physics

Affiliated research centers

- Center of Excellence in Complex Systems and Condensed Matter
- Center of Excellence in Nanostructures

