











ISFAHANI UNIVERSITY

TECHNOLOGY



2017-2018

CONTENTS



FOREVVORD



In the Name of God





President's Welcome Message

Education has undoubtedly been one of the main contributors to the fast pace of changes in our lives but it also is the best remedy to cope and adapt with newly introduced changes and challenges. In this regard, pursuing higher education can greatly influence an individual's present and future life quality by providing him/her with new insights and knowledge on the ways to tackle challenges up ahead. Empowering our students with the required knowledge and expertise to make a difference in their lives and in the world around them through active learning and public services is of our greatest commitments at Isfahan University of Technology (IUT). Our students, faculty, alumni, administrators, and staff at IUT stand out for their commitment to academic excellence, creative innovation and entrepreneurial spirit.

I am honored to announce that, IUT celebrates its 40 years of activity in September 2017. During these years, IUT has nationally been recognized as one of the highly ranked universities in Iran for its dedications to scientific and technological development and contributions to excellence in teaching and training scholars.

In present era, the world has become a borderless science village with free access to information anytime and anywhere. With globalization of the science and technology in today's world, the human knowledge is shared worldwide and scientific progress depends on strong international ties. Being aware of the surge of international competitiveness, IUT has aimed for greater international scientific recognition through mutual constructive collaboration and corporation. IUT is a university that provides a wide range of programs from bachelor's degree to Ph.D. level in scientific and technological fields. IUT places a high premium on creating a learning community that is well equipped with advanced knowledge and skills in related fields. I believe that success in the marketplace and industrial section goes hand in hand with success in research. Therefore, here we pave the way for enthusiastic students to find their way towards research excellence while tasting knowledge acquisition and application, cognitive complexity, intrapersonal development, interpersonal competence and practical competence. I believe that well-trained, critical and creative scientists and engineers will be increasingly valuable in our society. Therefore I strongly encourage students to immerse themselves in all offered by IUT, such as outstanding research opportunities, remarkable facilities and unique experiences

We are a community of scholars in a creative and dynamic city. Undoubtedly, Isfahan is one of the most remarkable cities with a long-standing tradition in science, art and culture.

The following catalogue is the current edition of IUT Yearbook providing comprehensive information about the fields of education, research and facilities, plus admission regulations of IUT.

Sincerely,

Mahmood Modarres Hashemi

M. Medores_ Hash

President

Isfahan University of Technology



ISFAHAN UNIVERSITY OF TECHNOLOGY



The University Campus

Isfahan University of Technology is located 20 Kilometers (15 minutes drive) Northwest of city of Isfahan. The University is a state run university under the supervision of the Ministry of Science, Research and Technology. IUT is one of the major universities and research poles in Iran in the fields of science, engineering, agriculture and natural resources. IUT was founded in 1974 and began its academic activities in 1977 with about 800 students in five departments. Today the enrollment has grown to more than 9700 in fourteen independent departments in three levels of B.Sc., M.Sc. and Ph.D. The graduates from IUT have found great and varied opportunities and have played their key roles in a rapidly changing economic and industrial environment.



IUT occupies an area of 2300 hectares of land at the foot of Seyyed Mohammad Mountain. Of this, 400 hectares area has been dedicated to the main campus. The main campus, a self-contained one resembling a small town, commands a view of the farmlands and orchards of Isfahan suburbs. It includes all the educational or research buildings as well as modern dormitories to house 5,000 students, and the residential quarters which provide the academic staff with semi-detached houses. To facilitate for students and staff, IUT also offers the health

service center, shopping, sports and recreation centers inside the campus. The green belt around the campus and the quiet open surroundings makes life at IUT pleasant to students and staff.



OF ISFAHAN



Isfahan is a unique blend of Industry, Science, Fame, Art, History, Agriculture and Nature

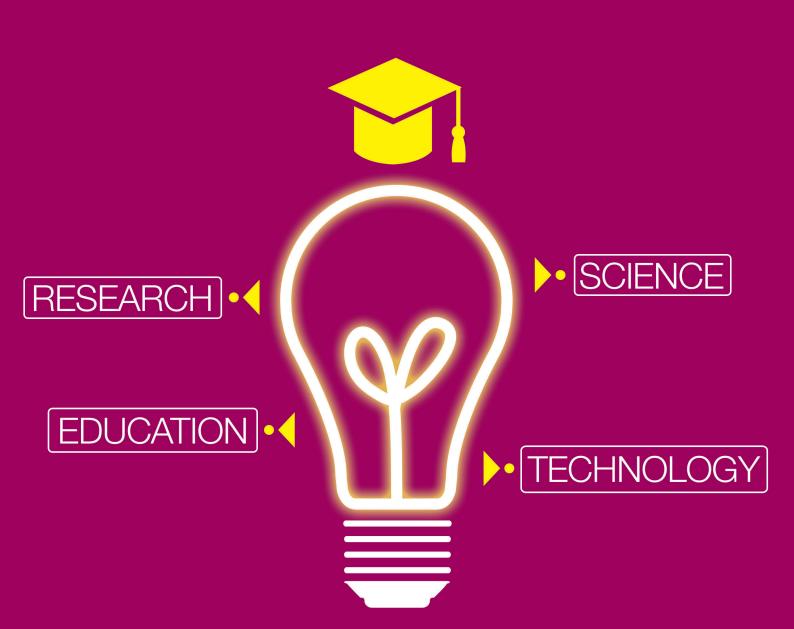
Isfahan University of Technology benefits the advantages of being situated in the vicinity of the historical, industrial, and commercial city of Isfahan; the city with long- standing tradition in science, art and culture as well as a leading center of technological activities in present Iran. Isfahan is a metropolis, the third largest city and the fourth most populated city of Iran. During her life, she has been a witness to many ups and downs, but she has always been the host of nations, tribes, and diverse religions by virtue of a wide tolerance that derived from its ancient civilization.

Rapid industrialization and four major universities have made Isfahan quite attractive to people of all walks of life. The historical assets and tourist attractions are a big plus.





THE UNIVERSITY MISSION



The University Mission

The objective of Isfahan University of Technology, as an institution of higher education, is to contribute in the education of the youth of the Islamic Republic of Iran, in particular, the world in general, and in advancement of knowledge.



With the long term plans of the government of the Islamic Republic of Iran towards a wider span of higher education, IUT has taken eminent steps in establishing M.Sc. and Ph.D. degrees in all fields of engineering, science and agriculture as means of attaining scientific self-sufficiency.

Isfahan University of Technology seeks excellence in all programs and activities. This challenge for high achievements creates a dynamic atmosphere.

IUT is committed to provide equal educational opportunity to all qualified applicants. The established national and international reputation of IUT is based upon the quality and distinctiveness of the research and scholarly activity of its faculties and students. IUT has established the International Campus in order to increase the number of international students and faculties as well as developing the e-Learning methods and programs and encourage the foreign academic members to cooperate through e-learning environment.



Some of the University's Strategic Interests are as follows:

- Developing strategic plan for achieving the green metrics in IUT (Green University)
- Establishing further agreements & linkages with accredited world universities especially the universities of Islamic world
- Improving the university ranking among the reputed universities
- Improving the collaboration with industry
- Increasing the number of centers of excellence and research centers
- Development of joint research with foreign scientific institutions
- Enhancing the university contribution to scientific publication
- · Providing & enhancing research facilities
- Improving the ratio of academic members to students
- Improving the methods of E-Learning programs
- · Increasing the university research income from industry
- Enhancing the knowledge-based companies, technology parks and incubators

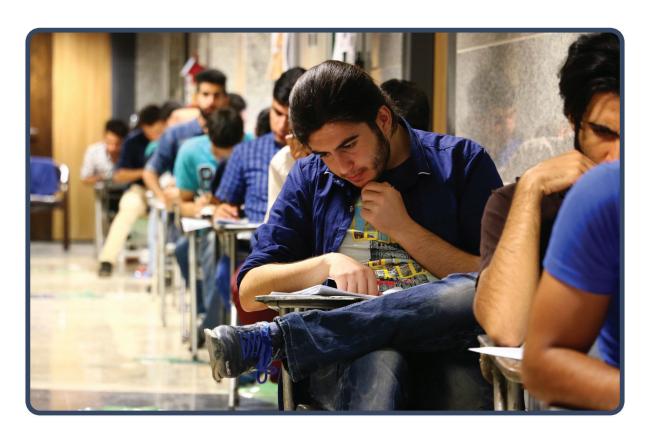
ADMISSION



The University Admission

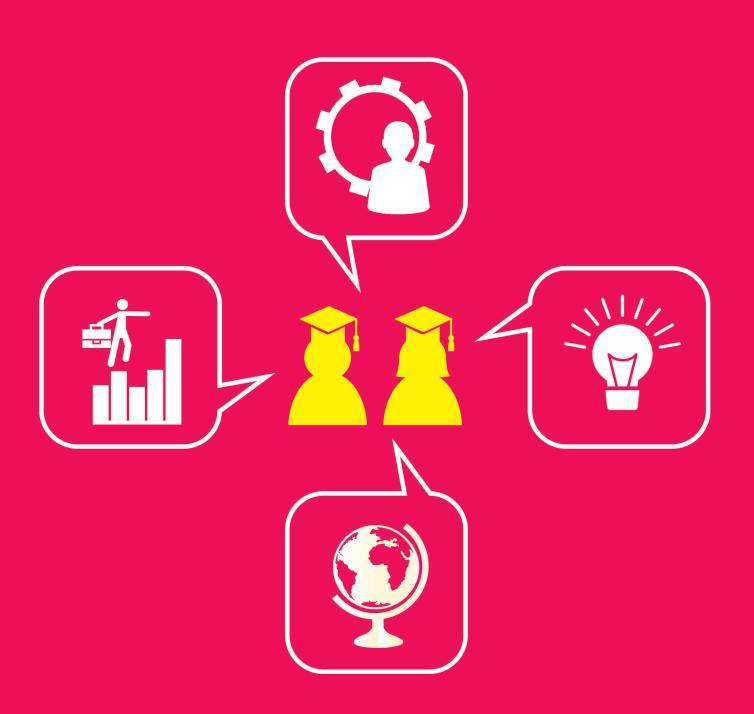
Admission to IUT, like other state run universities in Iran, is given to Iranian applicants who succeed in a nation-wide university entrance exam held every year. Although foreign students can apply for admission through bilateral agreements between IUT and other academic institutions or educational bodies abroad. In order to gain further information, foreign applicants are recommended to visit the website of IUT International & Scientific Cooperation Office (www. iscoweb.iut.ac.ir) or Embassy of Islamic republic of Iran in their own country.

In addition to this, IUT International Campus also offers some educational programs in a number of fields of engineering as well as basic sciences. Moreover a few numbers of programs is offered through e-learning basis at IUT.



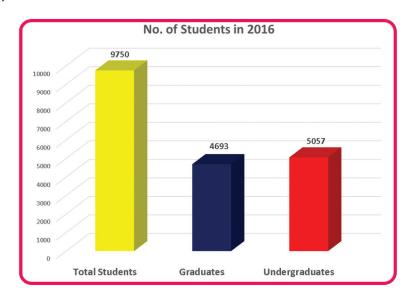


EDUCATION



■ Education ■

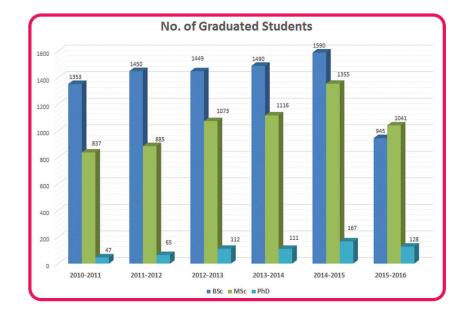
Isfahan University of Technology started its activities in 1977 with 800 undergraduate students. Today, IUT is a major and high ranking university (top five) with more than 5057 undergraduates (38% female and 62% male) and about 4693 graduate students (45% female and 55% male).



IUT as a young university has been advancing knowledge and transforming lives through innovative teaching and research methods for nearly 40 years. IUT offers 161 comprehensive programs of study in the academic year 2016-2017 in three disciplines: Agriculture and Natural Resources, Engineering and Basic Sciences.

As a main activity during the past years, education has received the greatest attention at IUT. Students from IUT have taken nationally -held examinations to graduate programs across the country and have gained a high degree of success. Annual statistics reveal that a great portion of our undergraduate students have been admitted to M.Sc. programs being offered by IUT or other accredited universities across Iran. Many of M.Sc. graduates have been admitted to Ph.D. programs in leading universities throughout the world.

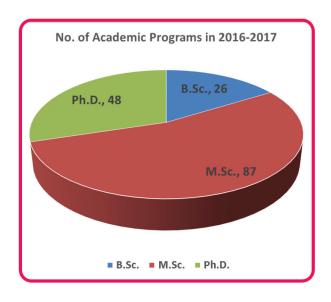
In addition to this, International Campus of IUT offers some post graduate programs in a number of fields of engineering as well as basic sciences.



The Graduate Center

The center for graduate studies has been one of the most dynamic departments of the university due to its fast growth of the number of M.Sc. and Ph.D. degree programs. At the present 87 M.Sc. and 48 Ph.D. programs are offered in a wide variety of fields mentioned above.

Every year about 3000 students are graduated from this university. Our graduates have found great and varied opportunities and have played their key roles in rapidly changing economics and industrial environment.



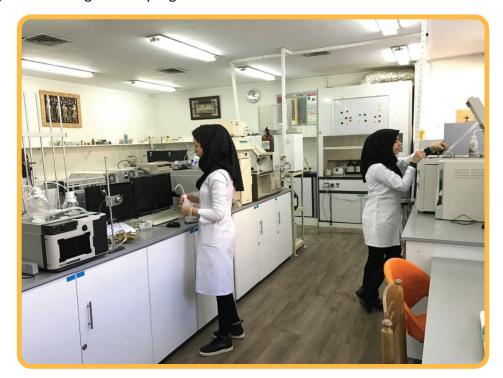
- DEPARTMENTS -



Department of Chemistry

Overview

Chemistry is one of the most important branches of basic sciences, which now plays an important role in daily life. Most of the fundamental scientific problems concentrate on the chemical nature of matters. The faculty and staff of the Department of Chemistry of Isfahan university of Technology provide a scientific and friendly environment where students at the undergraduate and graduate levels can explore, discover, and learn chemistry through coursework and research. The department uses the most modern educational and research instruments and offers both undergraduate and graduate programs.



The department offers the degrees of Bachelor of Science (B.Sc.) in Pure and Applied Chemistry. The aim of the undergraduate program is to enable students of pursuing either professional careers in industry and chemical education or advanced graduate studies.

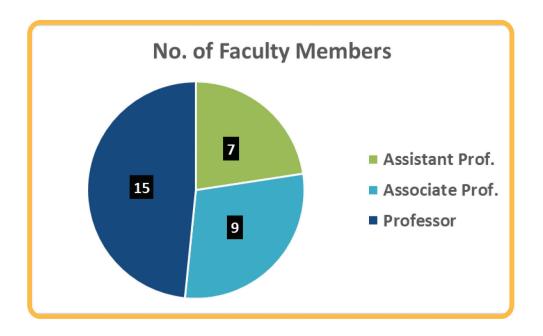
At the graduate level, the department offers the Master of Science (M.Sc.) and Ph.D.in the fields of Physical Chemistry, Organic Chemistry, Inorganic Chemistry and Analytical Chemistry.

Research Activities

- Analytical Chemistry including Supercritical Fluid Science and Technology, Extraction and Chromatographic Sciences, Trace and Ultra Trace Analysis of Organic and Inorganic Compounds, Different Microextraction Techniques, Optical and Electrochemical Based Chemical and Biochemical Sensors & Biosensors, Ion Mobility Spectrometry, Development of New Energy Source Materials Based on Nanomaterials for Fuel Cell and Storage of Energy.
- Inorganic Chemistry including DNA, HSA, and BSA Interactions with Metal Complexes and Anticancer Drugs, Organometallics (Ferrocenes, Orthopalladated and Cyclometalated Complexes), Electrochemical and Spectroelectrochemical Studies of Transition Metal Complexes, Preparation of Inorganic Materials, Inorganic Polymers, Transition Metal Complexes, and Catalysts, Photocatalytic Reactions, Electrocatalytic Reactions, Solidstate Luminescence, Nanochemistry: Nanoparticles, Nanomaterials and Nanocatalysts, Computational Methods in Inorganic Chemistry
- Organic Chemistry including New Synthesis and Methodologies for Organic Compounds;
 Synthesis, Modification and Applications of Simple and Doped Carbon Nanotubes and Graphenes;
 Computational Chemistry;
 Nanomagnetic Catalyst;
 Study of Reaction Mechanisms;
 Multicomponent Reaction;
 Nanochemistry;
 Biomass Conversions;
 Application of Heterogeneous Catalysts in Organic Synthesis;
 Polymer Chemistry;
 Novel Drug Delivery Systems.
- Physical Chemistry including Computational Quantum Chemistry, Theoretical Quantum Chemistry, Chemical Bond Theory, Molecular Dynamic Simulation and Docking Calculations, Bioinformatics, Thermodynamic (Equilibrium and Non-equilibrium), Thermodynamic of Nano Systems, Laser Mass Spectrometry, Ion Mobility Spectrometry, Theoretical and Experimental Spectroscopy, Synchrotron Radiation Based Spectroscopy (Photoelectron Spectroscopy, Auger Spectroscopy, NEXAFS and EXAFS), Fuel Cells, Electrochemistry

Honors and Awards

- 1. Three faculty members of this department are among TOP 1% World Scientists in Chemistry based on ISI Essential Science Indicator Database.
- 2. The distinguished researcher of the year of IRAN.
- 3. Three distinguished scientists of the Islamic world countries.
- 4. The best researcher of the year in Isfahan University of Technology
- 5. The distinguished researchers of the years in Isfahan Province
- 6. Kharazmi International Award, Iranian Research Organization for Science and Technology (IROST).
- 7. Razi International Award for international distinguished project in basic sciences.
- 8. Allameh Tabatabaei Award for Iranian distinguished scientists and researchers.
- 9. Young Research Award, of the year in Isfahan University of Technology
- 10. Highly cited papers awards
- 11. Distinguished Prof. awards, Iranian Chemical Society.



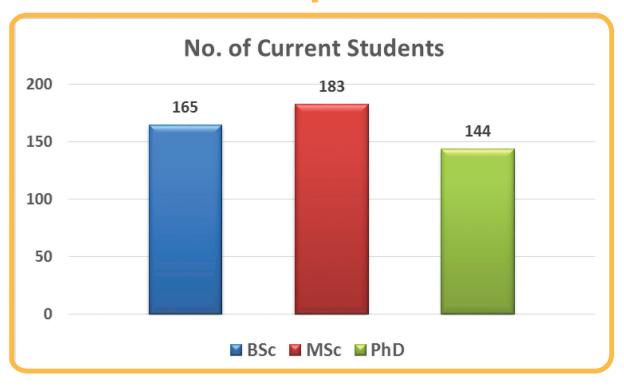
Contact Information

Department of Chemistry, Isfahan University of Technology (IUT).

Website: http://chem.iut.ac.ir/en

Tel: +98-31- 33913252, Fax: +98-31-33912350







Different Disciplines of the Department of Chemistry	
B.Sc.	Applied Chemistry
	Pure Chemistry
M.Sc.	Nano Chemistry
	Applied Chemistry
	Organic Chemistry
	Physical Chemistry
	Inorganic Chemistry
	Analytical Chemistry
Ph.D.	Organic Chemistry
	Physical Chemistry
	Inorganic Chemistry
	Analytical Chemistry

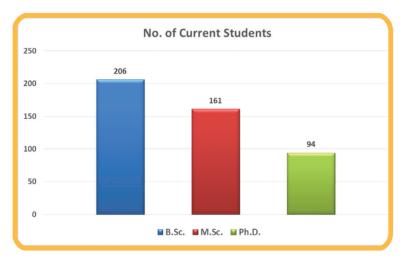
Department of Mathematical Sciences

Overview

The department of mathematical sciences was founded in 1976 as a part of the faculty of fundamental sciences. It became an independent department in 1982, offering bachelor degrees in mathematical sciences, and later running master programs in pure and applied mathematics in 1986 and 2000, respectively. The department has offered master programs in pure and socioeconomic statistics since 1996 and 1998, respectively. The department is currently offering Ph.D. degrees in various disciplines of mathematical and computer sciences including combinatorics, dynamical systems, numerical analysis, optimizations and control theory, singularity theory, coding, cryptography, information theory, partial differential equations, various fields of statistics, algebraic geometry, logic, topology, mathematical analysis and algebra.

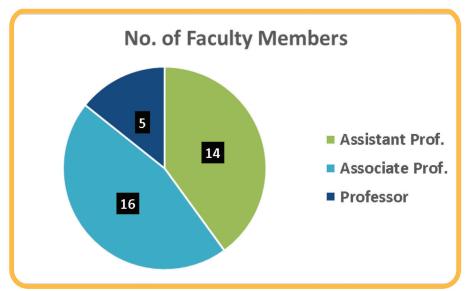


The department has 35 faculty members including 5 full professors, 16 associate professors and 14 assistant professors as of June 2017. It currently has 206 undergraduate students, 161 master students and 94 Ph.D. students in different disciplines of mathematics and statistics.



Research Groups

The department has 7 research groups in applied mathematics and statistics named as graph and combinatorics, partial differential equation and dynamical systems, numerical analysis, coding, cryptography and information theory, probability and statistics, applied statistics, and inference. The research groups in pure mathematics are logic, mathematical analysis, algebra and geometry. The department also has active researches in mathematical and statistical education and computer sciences.



Industrial collaborations

The department has strong connections with industry and other external partners. Our collaborations include research projects to deal with organizational challenges. The department has active cooperative projects with some industrial companies including: Mobarakeh Steel Co., Ministry of Information and Communications Technology (Research Centre), Ministry of Energy, Ministry of Industries and Business, Isfahan Sugar Co., Iran Aircraft Manufacturing Industrial Co., etc.

Awards

International

World Federation of National Mathematics Competitions Award (Paul Erdős Award), awarded to **Dr.** Ali Rejali in 2006 in recognition of his "significant role in the development of mathematical challenges at the national or international level and stimulus for the enrichment of mathematics learning."

National

- o Iranian Academy of Sciences Award (Abu-Reyhan Award) in Mathematics, awarded to Dr. Mohammad Reza Koushesh in 2015.
- Iranian Mathematical Society Prize for best conference paper at Annual Iranian Mathematics Conference (Riazi Kermani Prize), awarded to Dr. Mahmood Behboodi in 2011 and to Dr. Rasoul Nasr-Isfahani (jointly with Fatemeh Akhtari) in 2013.
- Iranian Mathematical Society Prize for outstanding leadership roles in advancement of Mathematics (Behzad Prize) awarded to Dr. Ali Rejali in 2012.
- Iranian Mathematical Society Prize in Geometry & Topology (Hashtroodi Prize), awarded to Dr. Mohammad Reza Koushesh in 2012.
- Iranian Presidential Award (Loh Zarrin Sepas), awarded to Dr. Golam Reza Omidi in 2011.
- o Institute for Research in Fundamental Sciences (IPM) Prize for Young Mathematician, awarded to Dr. Golam Reza Omidi in 2009.
- o **Iranian Ministry of Science, Research and Technology Award** for Excellence in Professorship **(Ostad Nemooneh)**, awarded to Dr. **Ahmad Haghani** in 1993.

Student Awards (National and International in last 3 years)

- Alimohammadi Prize, Institute for Research in Fundamental Sciences (IPM),
 2017. (Maryam Shahsiah)
- Functional Analysis Award, Tusi Mathematics Research Group & Ferdowsi
 University of Mashhad, 2011. (Mehdi Nemati)
- International Scientific Olympiad in Statistics for University Students:
 - 1 Gold Medal, 2016. (Meysam Shafiei)
 - 1 Gold Medal, 2014. (Amir Abbas Mofidian)
- National Entrance Examinations:
 - 1st Place, PhD in Pure Mathematics, 2014. (Mazyar Ghani)
 - 1st Place, MSc in Statistics, 2014. (Ahmad Reza Hajiheydari)
- Statistics Competition for University Students:
 - **3**rd **Place** (team), 2015.
 - 1st Place (team), 2014.

- Khwarizmi Youth Festival:
 - 2nd Place, Fundamental Research, 2014. (Fahimeh Mokhtari)
- Mathematics Competition for University Students:
 - 3rd Place (team), 2 Silver, and 2 Bronze Medal, 2016.
 - 2nd Place (team), 3 Silver, and 1 Bronze Medal, 2015.
 - 2nd Place (team), 2 Silver, and 2 Bronze Medal, 2014.
- o International Mathematics Competition for University Students:
 - 1 Silver, and 2 Bronze Medal, 2 Honorable Mention, 2016. (Bulgaria)
 - **2 Bronze Medals, 3 Honorable Mention**, 2015. (Bulgaria)
 - 1 Gold, 1 Silver, and 2 Bronze Medal, 1 Honorable Mention, 2014. (Bulgaria)
- Scientific Olympiad in Statistics for University Students:
 - 2nd Place, 2016. (Meysam Shafiei)
 - 2nd Place, 2015. (Ahmad Reza Hajiheydari)
 - 2nd Place, 2014. (Shared: Amir Abbas Mofidian & Maryam Sabet Rasekh)

Contact Information

Department of Mathematical Sciences, Isfahan University of Technology (IUT).

Website: http://mathdept.iut.ac.ir/en

Tel: +98-31-33912600-01, Fax: +98-31-33912602, Email: Math-office@of.iut.ac.ir

Different Disciplines of the Department of Mathematical Sciences	
B.Sc.	Statistics and its Applications
D.3C.	Mathematics and its Applications
	Applied Mathematics
	Coding & Cryptography Theory
	Combinatorics & Graph Theory
	Dynamical Systems & Differential Equations
	Numerical Analysis
	Optimization
M.Sc. & Ph.D.	Pure Mathematics
IVI.SC. & PII.D.	Algebra
	Mathematical Analysis & Topology
	Geometry
	Logic
	Statistics
	Mathematical Statistics& Probability
	Applied Statistics

Department of Physics

Overview

The Department of Physics started its activities in 1985, by offering degrees in Bachelor of Science (B.Sc.) in physics and degree of Master of Science (M.Sc.) and Doctor of Philosophy (Ph.D.) in Condensed Matter Physics, Nuclear Physics, and High Energy Physics.

With 25 affiliated faculty members and 186 graduate students, including (M.Sc. and Ph.D. students), and about 165 undergraduates, presently the Physics Department has a lively intellectual environment in 2017.



Research Activities

The research interests of the department are mainly focused on the following fields:

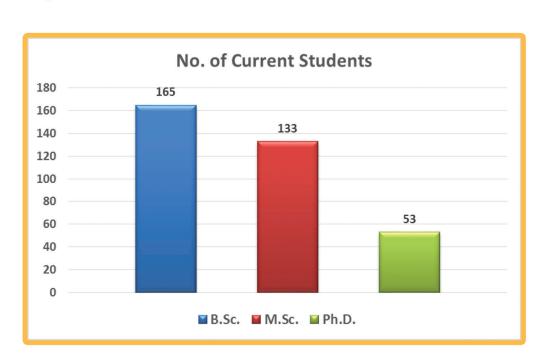
- Theoretical Condensed Matter Physics
- Complex Systems
- Computational Materials Science
- Experimental Condensed Matter Physics
- High Energy Physics
- Gravity and Cosmology
- Nuclear Physics



Since 2003, IUT Department of Physics has been acting as an affiliated Center of Abdus Salam International Center for Theoretical Physics (ICTP).

Scientific Societies and Activities at the Department of Physics

- The Society of Physics Students at the Isfahan University of Technology
- The Society of Astronomy at the Isfahan University of Technology
- Tabesh Magazine



The Society of Physics Students and the Society of Astronomy are professional separate associations whose main members are officially elected annually by the students of the department. Among the basic activities of these associations are:

- Arrangement of scientific visits, scientific meetings and invited talks, scientific research unions.
- Preparation of scientific news and reports.
- Arrangement of scientific competitions and student national physics Olympiads,
- Arrangement of physics (introduction) day, and etc.

Since 2016, the International Center for Relativistic Astrophysics Network (ICRANet) office in Isfahan (ICRANet-Isfahan) started its activities at the Department of Physics in order to develop research activities in relativistic astrophysics, organizing workshops and schools, exchanging of researchers, faculty members and graduate students.

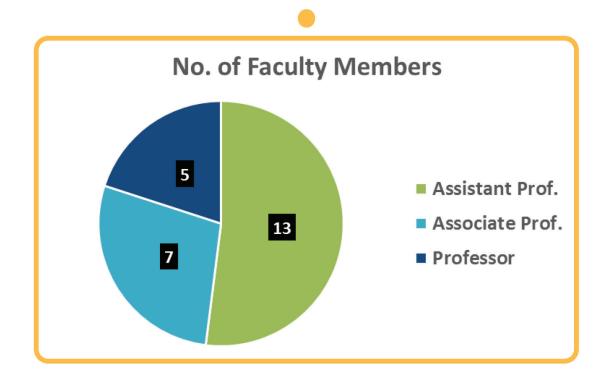


Contact Information

Department of Physics, Isfahan University of Technology (IUT).

Website: http://physics.iut.ac.ir/en

Tel: +98-31- 33912375, Fax: +98-31-33912376



Different Disciplines of the Department Physics	
B.Sc.	Physics
	Elementary Particle
M.Sc.	Condensed Matter
	Nuclear Physics
Ph.D.	Elementary Particle (Cosmology)
	Condensed Matter (Experimental)
	Condensed Matter (Theoretical & Computational)
	Nuclear Physics

Department of Chemical Engineering

Overview

The Chemical Engineering Department was established in 1982 at the Isfahan University of Technology (IUT). The department has constantly developed so the total number of graduated students has been ever-increasing. Full time faculty members are teaching and carrying research activities in different fields of Chemical Engineering including Transport Phenomena, Membrane Processes, Catalytic Systems, Adsorption and other Separation Processes, Process Design, Reaction Engineering, Polymer Science and Engineering, Biotechnology, Synthesis and Application of Nano- and Bio- Materials, Petroleum Reservoir Engineering and Enhanced Oil Recovery (EOR), Computational Fluid Dynamics (CFD) in the well-equipped laboratories available in the department.

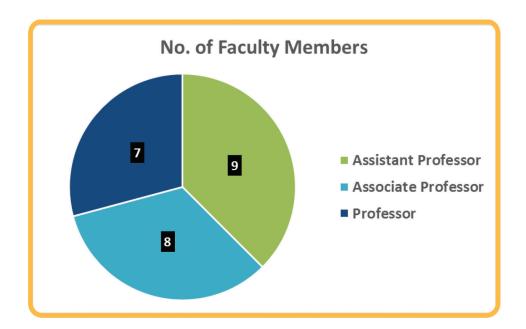


At the present time the Department of Chemical Engineering offers three programs of Bachelor of Science (B.Sc.), Master of Science (M.Sc.), and Doctor of Philosophy (Ph.D.).

In B.Sc. program undergraduate students are studying in four primary majors of Petrochemical Engineering, Polymer Engineering, Biotechnology, and Petroleum Reservoir Engineering (from September 2017).

The M.Sc. program includes the four majors of: Chemical Engineering, Polymer Engineering, Biotechnology, and Petroleum Reservoir Engineering (from September 2017). However, the M.Sc. students in the Chemical Engineering major pursue their study in one of the following fields of study: Separation Processes, Transport Phenomena, and Processes Design.

The Ph.D. program in this department covers two majors of Chemical Engineering and Polymer Engineering.



Research Activities

- Transport Phenomena.
- Water Treatment and Pollution Control
- Membrane Processes: Organic and Inorganic Membranes Synthesis and Application
- Modeling and Simulation
- Computational Fluid Dynamics (CFD)
- Nano-Particles Synthesis and Chracterization
- Nano-fluid Application in Mass and Head Transfer
- Supercritical Fluid Technology: Principles and Applications
- Conventional Separation Processes including: Distillation, Adsorption, Absorption, etc.
- Polymer Synthesis and Processing
- Biotechnology
- Petroleum Reservoir Engineering: Experiment and Modeling
- Enhanced Oil Recovery (EOR)



Honors and Awards

- Iran Nanotechnology initiative council awards
- Top Researchers awards of Isfahan Province in 2012 and 2013

International Partners

Co-operation between Isfahan University of Technology and University College of Boras, Sweden

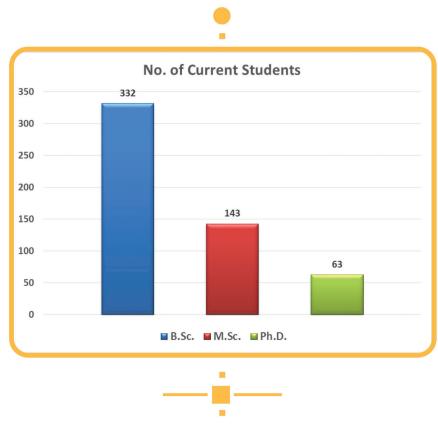


Contact Information

Department of Chemical Engineering, Isfahan University of Technology (IUT).

Website: http://che.iut.ac.ir/en

Tel: +98-31- 33912675-6, Fax: +98-31-33912677



Different Disciplines of the Department of Chemical Engineering	
	Petrochemical Engineering
B.Sc.	Polymer Engineering
D.SC.	Biotechnology
	Petroleum Reservoir Engineering
	Separation Processes
	Transport Phenomena
M.Sc.	Processes Design
IVI.SC.	Polymer Engineering
	Biotechnology
	Petroleum Reservoir Engineering
Ph.D.	Chemical Engineering
PILD.	Polymer Engineering

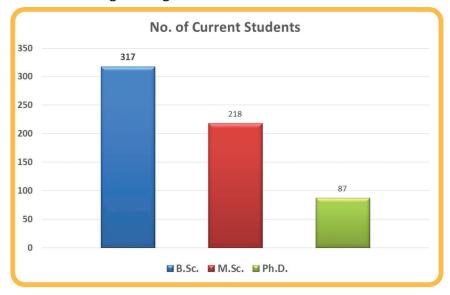
Department of Civil Engineering

Overview

Department of Civil Engineering is among the oldest departments in IUT, established in 1977, offers different degrees in various fields. It has always tried to train qualified and knowledgeable students with the help of proficient professors and academic staffs.

The Department of Civil Engineering is active both in undergraduate and graduate levels by having currently about 317 undergraduate students and 305 graduate students (including M.Sc. and Ph.D. students).

The department offers the degree of Bachelor of Science (BSc) in Civil Engineering. At the graduate level both M.Sc. and Ph.D. programs offer Structural Engineering, Water & Hydraulic Structures Engineering, Water Resources Management and Engineering and Geotechnical Engineering. However M.Sc. program includes Highway and Transportation Engineering and Water and Environmental Engineering.



Research Activities

The research activities at the Department of Civil Engineering are broad and deep. The department staffs conduct research in different fields, and seek to expand student knowledge through analysis, innovation, and insight. Research is focused in three major disciplines: Structural Engineering, Water and Environmental Engineering, and Geotechnical and Highway Engineering. The department works in partnership with government, major corporations and

professional associations to ensure that its research carried out in contemporary issues. Collaboration in different disciplines is fostered strongly at the department to give a unique opportunity to explore the diversity of research expertise.

The research areas are focused, but not limited, on the following subjects:

- Nano and composite materials
- Topology optimization of structures
- Computational methods in structural analysis
- Principles and methods of prestressing
- Soil-structures and fluid-structure interaction
- Seismic behavior of concrete precast structures
- Fiber reinforced polymer in concrete and masonry structures
- Sustainable development and environmental assessment
- Water quality- quantity management in river- reservoir systems
- Groundwater contaminant transport modeling
- Two-phase air-water flows
- Marine geotechnics
- Rubble mound breakwaters
- Floating sea-water desalination technology

Research Facilities and Labs

- Building Materials Lab
- Fluid Mechanics Lab
- Soil Mechanics Lab
- Structure Labs
- Hydraulic Structures Lab
- Environmental Lab
- Concrete Technology Lab



Honors and Awards

- Outstanding Lecturer of IUT, 2012, 2009, 2008, 2006, 2004, 2003
- Best Manager of Technological Research with Industrial Sectors, 2008
- The Distinguished Book of Engineering National Award, 2012
- IUT Outstanding Researcher Award, 2011, 2010, 2007, 2001
- Outstanding Researcher of Isfahan Province award, 2009, 2003
- Citation Award, 2007, 2006
- Youngest Distinguished Research Award, 2011, 2010, 2009.
- Distinguished Man of Concrete in Iran, 2012
- Distinguished Grade in Kharazmi Festival, 1992 (Assabehat Design)
- Best Author of the Engineering Book in Isfahan Province Award, 2006, 2000.

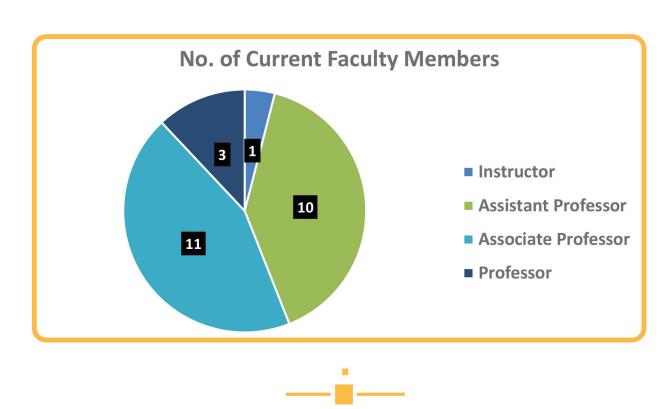


Contact Information

Department of Civil Engineering, Isfahan University of Technology (IUT).

Website: http://civil.iut.ac.ir/

Tel: +98-31- 33912701-2, Fax: +98-31-33912700



Different Disciplines of the Department of Civil Engineering	
B.Sc.	Civil Engineering
	Structural Engineering
	Water Engineering & Hydraulic Structures
	Water Resources Management and Engineering
M.Sc.	Geotechnical Engineering
	Highway and Transportation Engineering
	Earthquake Engineering
	Environmental Engineering
	Structural Engineering
Ph.D.	Water Engineering & Hydraulic Structures
Pn.D.	Water Resources Management and Engineering
	Geotechnical Engineering

Department of Electrical & Computer Engineering

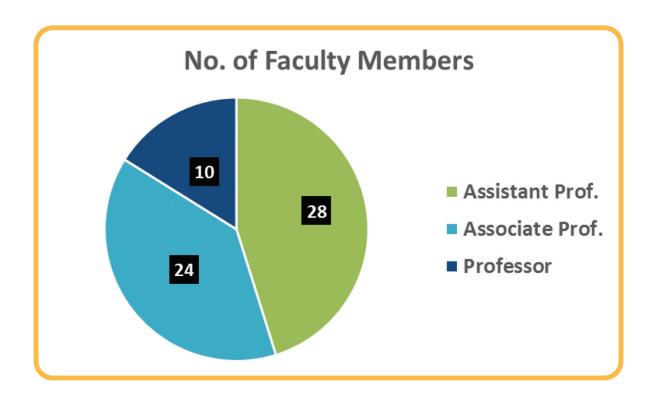
Overview

Department of Electrical and Computer Engineering (ECE) is one of the first and most competitive engineering departments at the Isfahan University of Technology (IUT), established in 1977. This department offers a broad range of high quality undergraduate and graduate programs, and conducts research in many challenging electrical and computer engineering fields



Electrical and computer engineering is a crucial part of almost every modern system and technology. The primary mission of ECE department is to provide its bright and diligent students with a top quality and modern academic education. Another important mission of the department is to perform high-quality theoretical and applied research to advance the state-of-the-art technology solutions. Such research aims to support high-tech industries in the region, and to contribute to the global advancement of science and technology in related domains. All scientific staff, undergraduate, and graduate students work hard together to achieve these objectives, and to keep ECE department recognized as a reputable institute nationally and internationally.

The educational and scientific activities at ECE department are led by more than 60 recognized faculty members with different academic rankings and diverse specialties in various fields of electrical and computer engineering. The department also actively hosts post-doctoral fellows to efficiently extend and support the associated research activities.

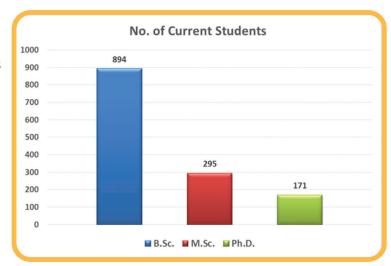


At ECE, special attention is paid to undergraduate education, as a result the university is nationally and internationally well-known for its high quality undergraduate programs and graduates. About 900 undergraduate students are currently enrolled at the Bachelor of Science (B.Sc.) level in 4 majors of electrical engineering (i.e., communications, control, electronics, and power engineering) as well as 3 majors of computer engineering (i.e., computer architecture, software engineering, and information technology). They are selected from the top 1% of the participants at the National University Entrance Exam. In addition to a deep understanding of various theoretical aspects of the electrical and computer engineering, the undergraduate programs also address experimental aspects of the real-world engineering challenges. Currently, the educational efforts of the department are supported by 40 educational laboratories at the ECE department. The laboratories are led by the academic staff of the department and equipped with up-to-date facilities.



ECE department currently hosts over 460 graduate students in a broad range of fields, including:

- ✓ Communication systems
- ✓ Communication networks
- ✓ Electromagnetic fields and waves
- ✓ Electronics
- ✓ Power electronics
- ✓ Power systems
- ✓ Electric machines and drives
- ✓ Control
- ✓ Computer architecture
- ✓ Computer software
- ✓ Artificial intelligence



Master of Science (M.Sc.) studies follow typical two-year program whose admission is mainly through associated national entrance exam. However, every year, the department also offers admission to the top 10% of its B.Sc. graduates to attend M.Sc. program. The admission into the four-year Ph.D. program follows a similar routine, but relies heavily on evidences of research capabilities and academic potentials of the applicants. The department is currently serving 171 Ph.D. students who are conducting research toward their dissertations. This research is usually carried out in the research groups coordinated by post-doctoral fellows, and led by the faculty members.

There are several research fields in the domain of electrical and computer engineering. ECE department has extensive expertise, research teams, and high-tech facilities that enable advanced and high-quality research in many of those fields. There are active research groups in the field of control, electronics and optoelectronics, information and communication, power engineering and energy systems and also there are several research labs within ECE department to support research activities.

The following is a partial list of research topics that are under active investigation in the ECE department.

- ✓ Artificial Intelligence, Pattern Analysis, and Machine learning
- ✓ Wireless Sensor Networks and Internet-of-Things
- ✓ Wired/Wireless Networking and Network Security
- ✓ High-Speed Networking
- ✓ Switching and Routing
- ✓ Digital Communication and Signal Processing (DSP)
- ✓ Control and Industrial Automation
- ✓ Advanced Control
- ✓ Robotics
- ✓ Power Electronics and Electric Drives
- ✓ Power Systems and Smart Grids
- ✓ Renewable Energies and Energy Harvesting
- ✓ Switching Power Supplies
- ✓ Microelectronics
- ✓ Photonics
- ✓ Statistical and Array Signal Processing
- ✓ Microwave and Antennas
- ✓ Cryptography and System Security
- ✓ Image and Video Processing
- ✓ Information theory and coding
- ✓ Big Data, Data Mining, and Bioinformatics
- ✓ Software Engineering and Formal Methods
- ✓ Real-Time Dependable Networked Embedded Systems



Industrial Partners

ECE department has worked closely with national industries ever since it was established in 1977. Making engineering knowledge accessible to industry has been considered as an important task of ECE department. This task is fulfilled by training skillful and knowledgeable engineers as well as forming various industrial collaborations to support the needs of companies for high-tech solutions and systems. At the same time, the industrial partners participate in practical education by making it possible for the students of the ECE department to acquire practical experiences at site through internship opportunities and graduate projects. In recent years, the ECE department has had several agreements and collaborations with leading companies such as Mobarakeh steel co., Isfahan steel co., Isfahan regional electric co., Niroo Research Institute (NRI), Information and Telecommunication Research Center (ITRC), Telecommunication Infrastructure Company (TIC) of Iran ministry of ICT, and Isfahan urban railway organization, just to name a few.



International Collaboration

International collaborations are one of the keys for achieving the mission of ECE department. Therefore, establishing and extending such collaborations are actively pursued at the department. Faculty members, graduate, and undergraduate students are involved in international cooperation in different ways. Every year, several faculty members pay scientific visits to top universities in the world to extend their international network. Furthermore, the department facilitates Ph.D. students to spend their sabbatical leaves at the world's top universities. Joint research projects can be considered as another aspect of the international collaborations of the department. Also, frequent invited talks by the pioneers in various relevant fields are organized in ECE department. The role of the students can be further highlighted by noting the active representations of student branches of international institutes/associations related to the electrical and computer engineering such as Institute of Electrical and Electronics Engineers (IEEE).

Honors and Awards

- ✓ More than 20 international and US patents, and several national patents
- ✓ Best Iranian book of the year prize
- ✓ National distinguished researcher awards
- ✓ Best industrial collaboration research project awards
- ✓ National and provincial best Iranian student awards
- ✓ Best Ph.D. thesis awards
- ✓ International awards in robotic championship competition
- ✓ ACM contest awards
- ✓ Mathematics Olympiads awards
- ✓ Award at the International Microelectronics Olympiad of Armenia
- ✓ 6 IEEE Iran section awards

Contact Information

Department of Electrical & Computer Engineering, Isfahan University of Technology (IUT).

Website: https://ece.iut.ac.ir/en/

Tel: +98-31- 33912450, **Fax**: +98-31-33912451

Different Disciplines of the Department of Electrical and Computer Engineering		
	Electrical Engineering	
B.Sc.	Computer Engineering	Computer Architecture
		Software
		Information Technology
		Electronics
		Power
		Power Electronics & Electrical Machinery
	Electrical Engineering	Control
		Communication Systems
M.Sc.		Communication Networks
		Fields and Waves
	Computer Engineering	Computer Architecture
		Software
		Artificial Intelligence and Robotics
		Artificial Intelligence and Robotics - E-Learning
		Electronics
	Electrical Engineering Computer Engineering	Power
Ph.D.		Control
		Communication Systems
		Fields and Waves
		Computer Architecture
		Software
		Artificial Intelligence and Robotics

Department of Transportation Engineering

Overview

Transportation engineering is a multi-modal field that includes highway, transit, aviation, maritime, rail, and pipeline systems. It considers the user, the vehicle, and the infrastructure required to move people and goods safely and efficiently within and between cities. Advanced monitoring systems are used to collect transportation data and computer simulation models are used to analyze that data.

Department of Transportation Engineering is a new engineering department which is founded in 2013. As a center of excellence, Department of Transportation Engineering admitted its first group of graduate students in Fall 2013. The department has started off with transportation planning as its main focus but is going to expand in railway, and pavement as well.



The department starts its formal students' acceptance in the field of Transportation Planning at Master of Science level. It is hoped to offer more fields specially conducting multidisciplinary pure and applied research.

Industrial Partners

- Ministry of Roads and Urban Development
- Isfahan Municipality
- Isfahan Bus Co.
- The Railways of the Islamic Republic of Iran (RAI)

Research Activities

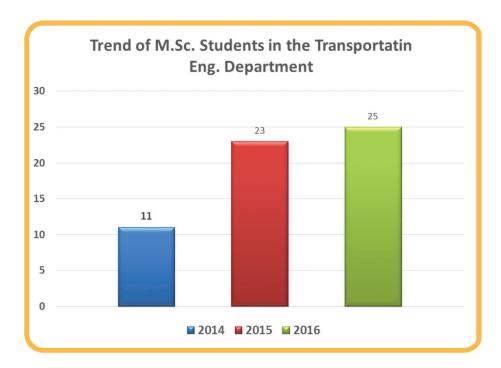
- Analyzing the demands for rail transport in Iran
- Preparing the master plan for the Isfahan province roads
- Developing the comprehensive software of bus transportation management
- Analyzing the resilience of Isfahan urban network
- Developing evacuation plan for Isfahan administrative complex
- Short term forecasting of traffic flow on Isfahan highway network.
- Developing transportation master plan for Isfahan metropolitan area.
- Developing a framework for computation of input efficiency of Isfahan transportation system.

Contact Information

Department of Transportation Engineering, Isfahan University of Technology (IUT).

Website: http://tr.iut.ac.ir/

Tel: +98-31- 33911400, Fax: +98-31-33911400



Different Disciplines of the Department of Industrial Engineering
M.Sc.
Civil Engineering -Transportation

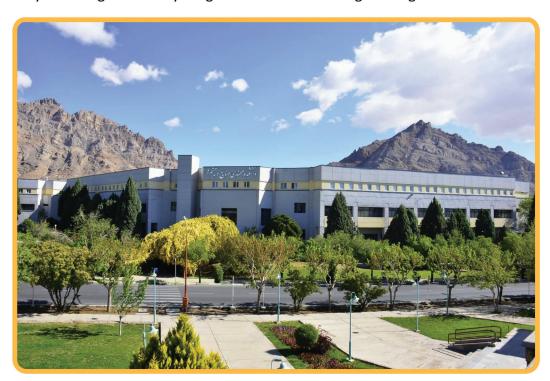
Department of Industrial and Systems Engineering

Overview

Department of Industrial Engineering was established in 1978 and extended to Industrial and Systems Engineering in 1982.

Industrial engineering is one of the fastest-growing areas of engineering. It is challenging, rewarding, and full of opportunities.

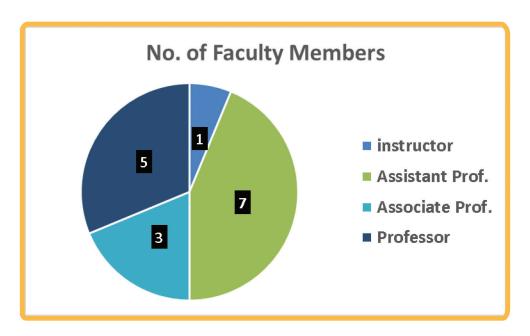
Industrial Engineers (IEs) deal with systems. They can design, implement or improve integrated systems comprised of people, materials, information or energy. IEs can develop better ways of doing almost anything in various fields of engineering.



Industrial engineers get jobs as production engineers, project managers, supply chain managers, operations analysts, quality engineers and information system specialists. They may work in any business environment, company, governmental agencies, or service-oriented enterprise that aims to improve operations and reduce costs.

The department is to provide high quality undergraduate and graduate education and research opportunities for students. The program continuously improves its educational process to help students gain higher levels of engineering education and make professional contribution to the social life.

The department offers B.Sc. degree in Industrial Engineering, M.Sc. degree in Industrial Engineering, Systems Engineering and System Planning and also PhD degree in Industrial Engineering.



Research Activities

The numerous natural resources in Iran and particularly the variety of manufacturing organizations in Isfahan region led to the establishment of an Industrial Engineering department in 1981. The aim was to meet the growing need for planning and management. It was in this department that, for the first time in Iran, a graduate program in systems planning was offered. The program aimed training analysts capable of identifying and solving problems of manufacturing management. The department has usually sought solutions to problems of industry through quantitative approaches. Part of the approach entails the development of mathematical models for under study problems to be ultimately solved by computer.

The areas of research activities in the department of Industrial Engineering are:

- Logistics and Supply Chain Management,
- Modeling and Analysis of Production and Manufacturing,
- Modeling and Analysis of Probabilistic Systems (Air Traffic Scheduling),
- Optimization,
- Quality and Reliability Engineering,
- Transportation Systems,
- Enterprise Systems, Management and Decision Analysis,
- Data Mining
- Modeling and Analysis of Service Systems.



Partners

IE department has several major industrial partners including:

- Mobarakeh Steel Complex
- Isfahan Steel Industries
- Isfahan Municipality

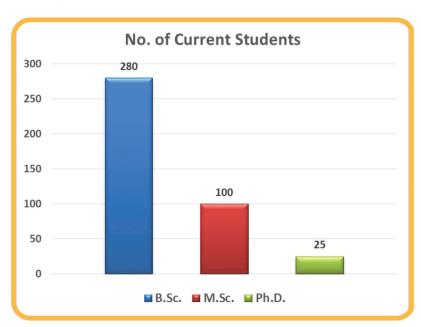


Contact Information

Department of Industrial Engineering, Isfahan University of Technology (IUT).

Website: http://indust.iut.ac.ir/

Tel: +98-31- 33912550-1, **Fax**: +98-31-33915526



Different Disciplines of the Department of Industrial Engineering	
B.Sc.	Industrial Engineering
M.Sc.	System Optimization
	System Modeling
	Engineering Management- E-Learning
	Logistic and Supply Chain Management
Ph.D.	Industrial Engineering

Department of Mining Engineering

Overview

Established in 1977, Department of Mining Engineering was started as one of the first university disciplines. Objective of this department as one of the most experienced units in mining engineering education, efforts to train experts in various fields of exploration, extraction, rock mechanics and mining and mineral processing in order to create change in the mineral industry and the needs of industry.



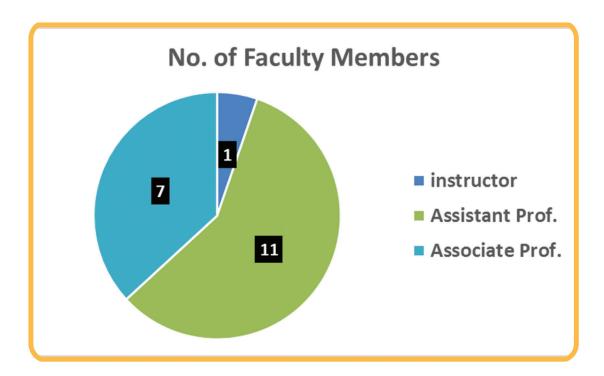
Mining Engineering Department of the Isfahan University of Technology (IUT) offers two Bachelor of Science degrees (B.Sc.) in Mining Exploration and Mining Exploitation. In the graduate level Mining Engineering department employs M.Sc. and Ph.D. students in four subjects: Mining Exploration, Rock Mechanics, Mining Exploitation, Petroleum Exploration and Mineral Processing.

Research Activities

The department of Mining Engineering consists of four main programs of Mineral Processing, Mining Exploration, Mining Exploitation and Rock Mechanics. The research activities and industrial projects are basically done in the graduate levels individually or by teams, in Mining and Rock Mechanics.

The research activities and research interests of the Department of Mining Engineering are as follows:

- Mineral processing in the field of hydrometallurgy includes leaching, solution concentration and purification, metal recovery.
- Mining exploration includes exploration geophysics, exploration geochemistry, remote sensing and GIS, evaluation hydrocarbon exploration.
- Rock mechanics and mining excavation includes dam, tunnel, slope, underground spaces, petroleum geo-mechanics, open pit mine and underground mine design.
- Petroleum exploration includes stratigraphy and sedimentology, petroleum geology, petrophysics, basin analysis and exploration geophysics.
- Mining extraction includes drilling and blasting.
- Coal mining.
- Ornamental stone.
- Mining machinery
- · Risk analysis



Research Laboratories

This department has 9 well-equipped research laboratories named as follows:

- 1. Rock Mechanics Laboratory
- 2. Geophysics Laboratory
- 3. Geochemistry Laboratory
- 4. Mineral Processing Laboratory
- 5. Cartography Laboratory
- 6. Mineralogy and Petrography Laboratory
- 7. Microscope Laboratory
- 8. Sample Preparation Laboratory
- 9. Decorative Stone Laboratory

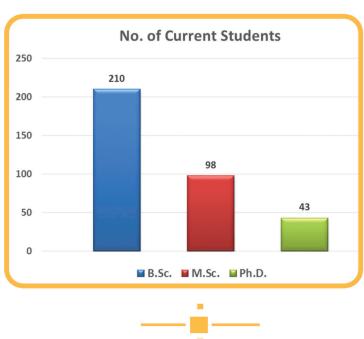


Contact Information

Department of Mining Engineering, Isfahan University of Technology (IUT).

Tel: +98-31- 33915100, **Fax**: +98-31-33912776





Different Disciplines of the Department of Mineral Engineering	
B.Sc.	Mining Engineering
	Mining Extraction
M.Sc.	Mining Exploration
	Petroleum Exploration
	Rock Mechanics
	Mineral Processing
	Rock Mechanics
Ph.D.	Mining Extraction
	Mining Exploration
	Mineral Processing

Department of Mechanical Engineering

Overview

Department of Mechanical Engineering was first established in 1977 as a division of the Faculty of Engineering and then became independent in 1979. Since beginning, the department's mission has been to offer students high quality programs in mechanical engineering. The education program of the department has been designed to enhance the students' abilities in cutting-edge research, critical thinking, and problem solving skills. The department has currently about 504 B.Sc., 272 M.Sc., and 87 Ph.D. students.



The department is committed to provide a supportive learning environment in which our talented students are able to obtain professional and teamwork skills by conducting challenging group projects and by taking part in several national and international student competitions. Our past successful experiences in terms of achieving top awards in different student events demonstrate the quality of education as well as research programs of the department.

Research Activities

Our research, conducted by 42 full-time faculty members, covers a broad spectrum of topics, with a strong integration between computation and experiment, and include, but is not limited to, the following areas:

- Biomechanics and Biomedical Manufacturing
- Polymer and Glass Processing and Characterization
- Additive Manufacturing and 3D Printing
- Hybrid Vehicles
- Tribology
- Smart Materials and Structures
- Laser Material Processing
- Combustion
- Robotics
- Metal Forming
- Damage and Fracture Mechanics
- Micro- and Nano-Composites
- Micro- and Nano-Fluidic Systems
- Energy Harvesting
- Phase Field Modeling
- Multi-phase Flows
- Multi-scale Modeling
- Plates and Shells
- Nonlocal Continuum Mechanics
- Renewable Energies
- Computational Mechanics
- Mechatronics

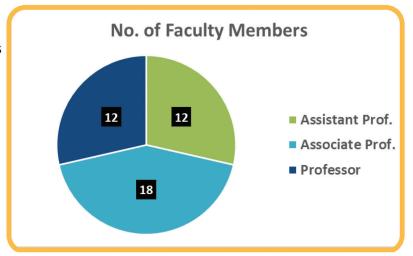


Joint Research With International institutes

- Alexander von Humboldt Foundation, Germany
- Institut de Recherche Dupuy de Lôme (IRDL), France
- Technischen Universität Hamburg, Germany
- Technische Universität München, Germany
- The University of Toledo, USA
- lowa State University, USA
- Louisiana State University, USA
- Advanced Material Research Laboratory, USA
- Franhaufer Institute of Technology, Germany
- Wrocław University of Technology, Poland

Industrial Partners

- Gas Souzan Ind. & Mfg. Company, Isfahan
- Mobarakeh Steel Company, Isfahan
- Inan Khodro, Tehran
- Isfahan Power Plant
- Isfahan Refinery Industries
- Zob-Ahan, Isfahan



Honors and Awards

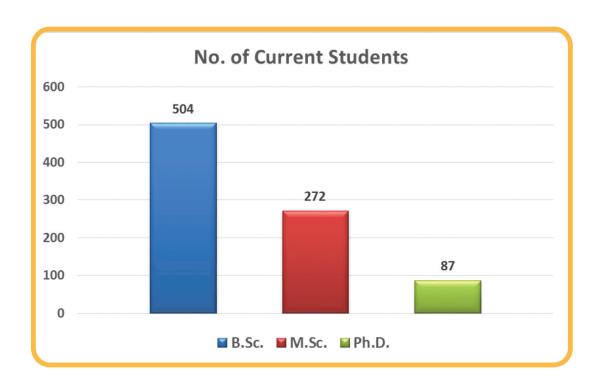
- Different awards for the best undergraduate projects and graduate theses in the whole country (almost one award each year)
- Publisher of Journal of Applied Fluid Mechanics as the first ISI journal in thermosfluids in Iran
- Several excellence awards for Outstanding Professor, Researcher, or Supervisor of the country
- Several awards for publishing the best books in Isfahan or Iran

Contact Information

Department of Mechanical Engineering, Isfahan University of Technology (IUT).

Website: http://mech.iut.ac.ir/en/

Tel: +98-31- 33912625-27, **Fax**: +98-31-33915265



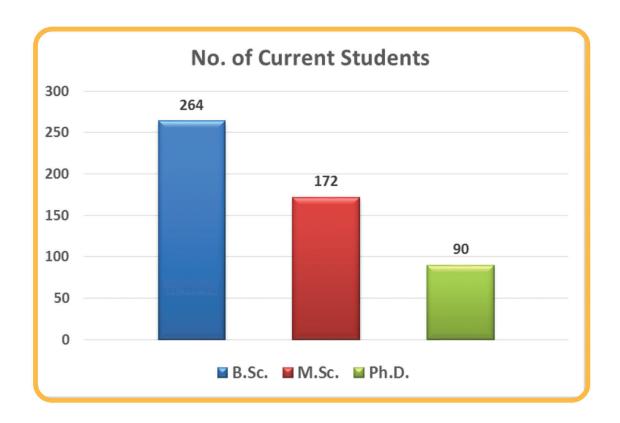
Different Disciplines of the Department of Mechanical Engineering		
B.Sc.	Mechanical Engineering	
M.Sc.	Mechanical Engineering- Applied Design (Solid)	
	Mechanical Engineering Applied Design (Dynamic, Control & Vibrations)	
	Mechanical Engineering Applied Design (Manufacturing Process)	
	Mechanical EngineeringEnergy Conversion	
	Mechanical EngineeringManufacture and Production	
Ph.D.	Mechanical Engineering- Applied Design (Solid)	
	Mechanical Engineering - Applied Design (Dynamic, Control & Vibrations)	
	Mechanical Engineering -Energy Conversion	
	Mechanical Engineering -Manufacture and Production	

Department of Materials Engineering

Overview

The Department of Materials Engineering is currently recognized as one of the leading departments in Iran with over 50 full-time faculty members including academic staff, technician and administrative staff. The department offers undergraduate and graduate programs with over 526 students currently studying at degrees B.Sc., M.Sc. and Ph.D. academic levels.

The goal of the department is to offer a comprehensive understanding of all aspects associated to the applications and processing in Materials Engineering today. Current academic staffs work on multidisciplinary projects ranging from the production and processing of materials for several industries such as ferrous and nonferrous, automotive, energy and also nano- and bio-based materials for medical applications.



Studying Materials Engineering at IUT

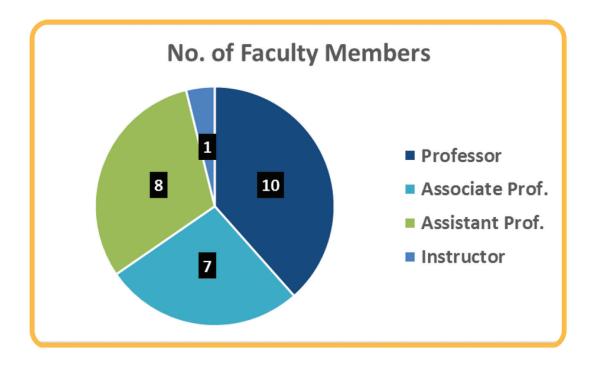
Materials engineering is an interdisciplinary subject, covering the physics and chemistry of matters, engineering applications and industrial manufacturing processes. Materials-based teaching focuses on applied science with a great emphasis on practical work. Material scientists study fundamentals of matters, both their structure and properties and use the knowledge towards manipulation of existing materials and also development of the improved products to meet engineering specifications.

The scope of materials engineering is huge, covering almost all areas of science. The subject enables the study of a diverse range of materials including metals, alloys, composites, ceramics, polymers, nanomaterials and biomaterials. The currently offered course programs in the department are listed in the table below.

Different Disciplines of the Department of Materials Engineering	
B.Sc.	Materials Engineering
M.Sc.	Materials Engineering - Metals Extractive Metallurgy
	Materials Engineering- Identification & Selection of Materials
	Materials Engineering - Corrosion & protection
	Materials Engineering - Welding
	Materials Engineering - Identification & Selection of Materials - International Branch
Ph.D.	Materials Engineering
	Biomedical Engineering - Biomaterial
	Nanotechnology Engineering - Nano Material
	Materials Engineering - International Branch

Research Activities

The main application sectors categorized by our research are; construction, automotive and aerospace, energy and utilities, and healthcare. The strong support and involvement of industrial organizations enables a high quality research within the department. These organizations include; Oil and Gas, Automotive, Power, Petro-chemical, Steel and Aluminum. In addition, the department has close international collaborations with universities from Canada, East Asia, Europe, and United States. These close collaborations with both industry and international institutes, alongside our facilities, ensure that the department is at the head of material engineering research.

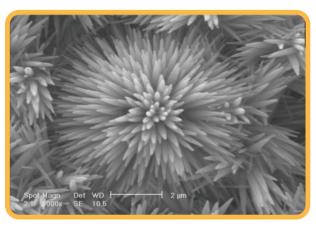


The current researches within the department are broadly categorized into:

- Advanced materials
- Biomaterials –tissue engineering and regenerative medicine
- Ceramics
- Computer modelling and simulations
- Corrosion and protection
- Extractive metallurgy
- High temperature materials
- Materials processing
- Nano-biomaterials
- Nanomaterials and metallic glasses
- Processes of severe plastic deformation
- Solidification and casting of metals
- Surface engineering and tribology
- Thermo-mechanical treatments
- Welding

The department is equipped with modern equipment and facilities for almost all disciplines of research such as Scanning Electron Microscopy (SEM), X-ray Diffraction (XRD), Spark Plasma Sintering (SPS), Vacuum Induction Melting (VIM), Vacuum Arc Remelting (VIR), Physical Vapor Deposition (PVD), Chemical Vapor Deposition (PVD), Potentiostats/ Galvanostats, Tribo-corrosion, Slow Strain Rate Test (SSRT), Wear, Metal Forming, Low Cycle Corrosion Fatigue, Fatigue, High Temperature Creep, and Welding Machines.





Scanning Electron Microscope (left) and an image of ZnO nano-flowers (right)

Contact information

Department of Materials Engineering, Isfahan University of Technology, Isfahan, 8415683111, Iran

Tel: 0098 (0)31-33912750-51 Fax: 0098 (0)31-33912752

If you are interested in finding out more, there is further information available on the Department website http://materials.iut.ac.ir/en or email materials@of.iut.ac.ir



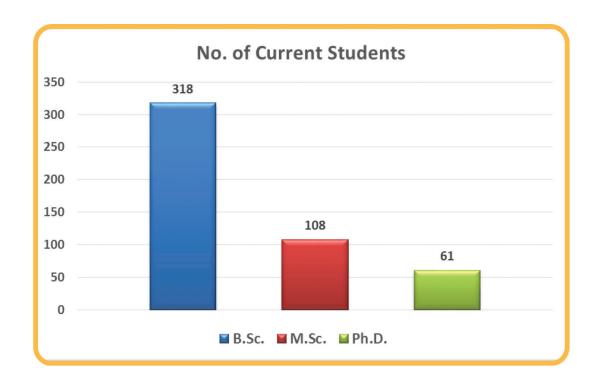
Department of Textile Engineerng

Overview

The Department of Textile Engineering was established at Isfahan University of Technology (IUT) in 1984.

This department is dedicated to advancement of textile technology, color science, fiber science & chemistry technical retiles polymer processing, fiber engineering and innovative applications of textiles. The principle mission of the textile engineering department is training of specialist graduates at B.Sc., M.Sc. and Ph.D. levels.

The department offers B.Sc. program in the fields of textile technology, technical textiles, fiber science & textile chemistry and clothing engineering. At the graduate level, the department offers M.Sc. and Ph.D. programs in Textile Technology and Textile Chemistry & Fiber Science.



Research Activities

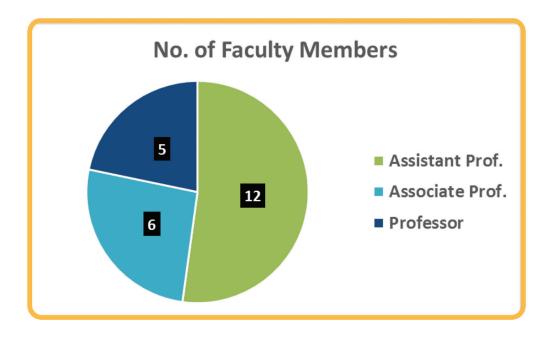
- Nano-fibrous materials, porous materials
- Sheet hollow fiber membranes
- Biotechnology in textile engineering
- Technical textiles
- Intelligent textiles
- Non-wovens
- Color science
- Textile dyeing, printing and finishing
- Textile auxiliaries
- Fibers
- Fibrous filters and membranes
- Polymer processing
- Polymer Alloys and blends
- Fibrous composites

Honors and award

Outstanding researcher of the province, 2005, 2008

Partners

Local Textile Industries





Scientific Association of Textile Engineering Department

The Textile Engineering Department Scientific Association is one of the most active scientific associations in IUT and is honored in deferent festivals such as "Harekat" festival.

This association fields of activity are as follows:

- 1. Linking university and industries
- 2. Familiarize students, especially new students with miscellaneous scientific and industrial aspects of textile engineering
- 3. Organizing scientific classes and visits
- 4. Publishing Diba Scientific magazine about textile industry economic situation in Iran and the world and textile engineering improvement
- 5. Organizing authoritative seminars and conferences at the university
- 6. Holding national and international contests
- 7. Conducting various programs in the University with the aim of motivation and hilarity augmentation of students

Contact Information

Department of Textile Engineering, Isfahan University of Technology (IUT).

Website: http://textile.iut.ac.ir/en/

Tel: +98-31- 33912425-41, Fax: +98-31-33912444

Different Disciplines at Department of Textile Engineering	
B.Sc.	Textile Chemistry
	Textile Fibers Engineering
	Apparel Clothing Engineering
	Technical Textiles
	Textile Technology
	Polymer Fibers
M.Sc.	Textile Chemistry & Color Science
	Textile Technology
Ph.D.	Textile Chemistry and Fiber Science
	Textile Technology

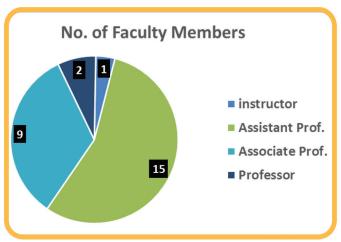
Department of Natural Resources

Overview

Department of Natural Resources is mainly focused on understanding different dimensions of natural and urban environments to improve environmental sustainability. The department was founded in 1993 and includes three divisions as follows: Environmental Science, Range and Watershed Management and Fisheries Science. Undergraduate students have the chance to gain knowledge in these majors. For graduate programs the department covers thirteen different majors for Ph.D. and M.Sc. candidates. Ph.D. programs include biodiversity, land use planning and environmental pollutions for environmental science and also Ph.D. program for range sciences and fisheries. Our M.Sc. programs are focused on range management, combating desertification, watershed management, aquaculture, aquatic ecology, land use planning, biodiversity and environmental pollutions.



The department has over 27 academic staff, 211 undergraduate and 204 graduate students. Equipped laboratories in the department provide students with the opportunity to understand spatial and land use planning procedures; learn more about soil, water and vegetation interactions, botany, wildlife research techniques; and work on environmental pollution analyses, fisheries and aquatic ecology and aquaculture.



Research Activities

Most of our research activities are interdisciplinary researches including: soil and water pollution, environmental impact assessment, landscape ecology, landscape genetics, land use planning, wildlife management and conservation biology, aquatic biotechnology, ichthyology, marine and fresh water ecology, limnology, fish physiology, aquatic health management, range management, range ecology, species distribution modelling, medicinal plants, soil conservation, geomorphology, economic valuation of ecosystem services and climate change, hydrology, drought, remote sensing and GIS.



Partners

- The Department of Natural Resources acted as an official chapter of International Association for Landscape Ecology in Iran (IALE-Iran) since 2012.
- University of Zurich.
- Xingiang Institute of Ecology and Geography.



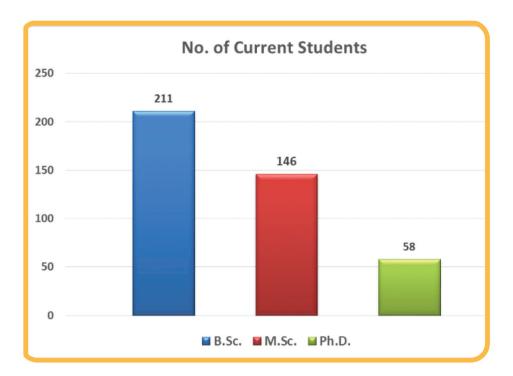
Honor and Awards

The department of natural resources acted as an official chapter of International Association for Landscape Ecology in Iran (IALE – Iran) since 2012.

Scientific Association

The Department of Natural Resources has 27 active academic research member who work on various aspects of natural resources management. Concerning the related fields, several seminars and workshops are held annually at the department.





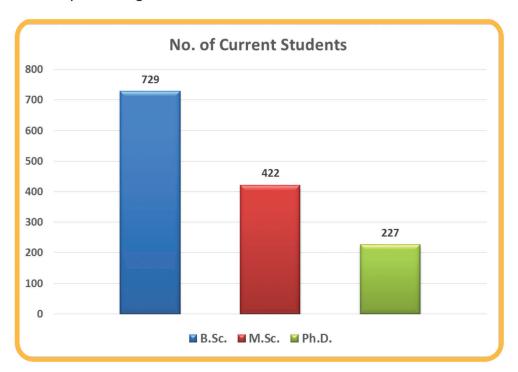
Contact Information

Department of Natural Resources, Isfahan University of Technology (IUT).

Differe	ent Disciplines of the Department of Natural Resources
B.Sc.	Fisheries
	Environmental Science
	Range & Watershed Management
	Propagation & Cultivation of Aquatic Organisms
	Aquatic Ecology and Fisheries
	Environmental Pollution
M.Sc.	Land use Planning and assessment
IVI.SC.	Habitats and Biodiversity
	Combating Desertification
	Range Management
	Watershed Management
	Propagation & Cultivation of Aquatic Organisms
Ph.D.	Range Sciences
	Environmental Science (Habitats and Biodiversity)
	Environmental Science (Land Preparation and Assessment)
	Environmental Science (Environmental Pollution)

College of Agriculture

The College of Agriculture was founded in 1977 with the intention of improving and raising the level of agricultural products in the country through enhancement of scientific know-how, educational planning and research activities. The curricula in the College of Agriculture is designed to meet the needs of students in a wide range of subject matters related to food production and processing.



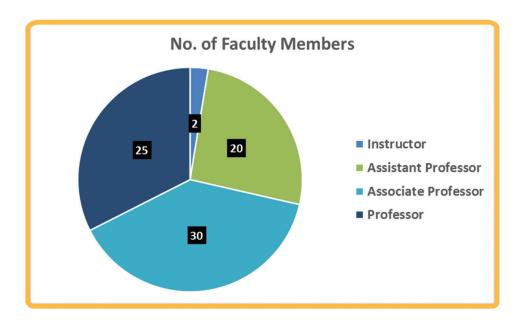
International students can apply for the graduate level programs considering the university general policies. Also, all the departments accept transferring students for joint projects or for sabbatical programs in the framework of university general policies.

Contact Information

College of Agriculture, Isfahan University of Technology (IUT).

Website: https://agri.iut.ac.ir/en

Tel: +98-31- 3391 2255 - 3300, **Fax**: +98-31-33912254





The College of Agriculture consists of ten different departments as follows:

1-Department of Agronomy and Plant Breeding

Overview

Agronomy and plant breeding department started its activity in 1980 to improve farming systems and agricultural products by educating and training students to prepare them for careers in farms, industry, government and academia. Its mission is to expand and transfer knowledge of agronomy and plant breeding to continuously improve factors such as the safety, quality, harvest index, and economic value of crops. Full time faculty members are mainly involved in teaching and investigating different fields of agronomy science with emphasize on new advances in this realm.



The department provides a range of research laboratories, as well as specialized devices for analyzing crops and agronomic products supporting educational programs at both undergraduate and graduate levels. A team of about 20 faculty and staff members support a body of 200 students. At undergraduate level, department offers a general program in agronomy and plant breeding. The graduate program is specialized into agronomy and plant breeding with masters and PhD curriculum offered in both fields. The main goals of graduate

curriculum are to train students for professional careers enabling them to manage research programs in the area of crop production, crop physiology and classical and molecular breeding. Research is mainly focused on cereals, forage crops, oilseeds and other industrial and medicinal plants to improve yield and quality of production. Sustainability and environmental issues are highly considered in this process.



Research Fields

- 1. Germplasm evaluation and enhancement of many cultivated and wild relatives of crop species (such as wheat, safflower, linseed, sesame, canola) for resistance to abiotic stresses employing traditional and molecular techniques.
- 2. Improvement of cultural practices for crop most important to Iran.
- 3. Assessment of climate change and plant growth, development and yield.
- 4. Neglected crops are being given a high priority at this department.

The Iranian Society of Plant Physiology runs under supervision of this department.

Different Disciplines of the Department of Agronomy and Plant Breeding	
B.Sc.	Agronomy and Plant Breeding
M.Sc.	Agronomy
	Plant Breeding
Ph.D.	Plant Breeding
	Agronomy

2- Department of Animal Sciences

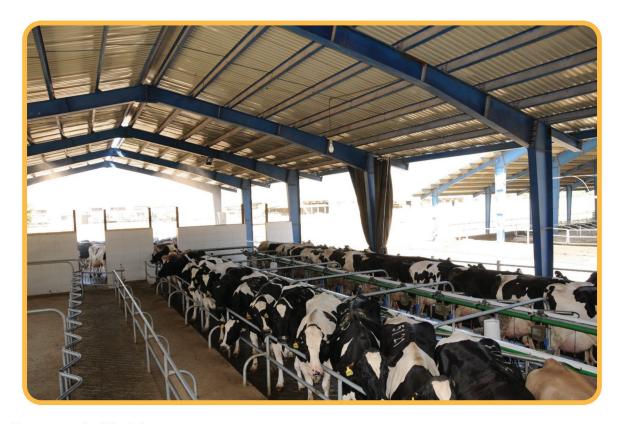
Overview

By producing 3000 ton of raw milk per day, the livestock industry especially in dairy cattle industry in Isfahan province is responsible for about 25% of the total milk production in Islamic Republic of Iran and has the first rank in this country. Department of Animal Sciences of Isfahan University of Technology was established in the early 1980's to train students capable of properly managing livestock and poultry farms, and join science with practice in animal science. The mission of this department is to expand and transfer knowledge for continuous improvement of the animal husbandry to support Iran's population with sufficient quantity and quality of safe food such as egg, milk, meat and other animal products.



The B.Sc. degree in animal science with either livestock or poultry majors prepares undergraduate students for professions in livestock or poultry production and breeding. At the graduate level, the department offers professional courses to support master majors in animal and poultry nutrition, genetics and breeding, physiology and management of livestock and poultry farms, so that graduate students are prepared to enter the work force as researchers, academics, as well as senior executives for manufacturing and production enterprises within the country. At the Ph.D. level, admitted students can persuade in ruminant nutrition, poultry nutrition, reproductive, growth and digestive physiology, as well

as animal breeding. About 17 faculty and academic staff supports a body of about 150 students at different graduate levels.



Research Fields

- Animal Breeding and Genetics
- Ruminant Nutrition
- Poultry Nutrition
- Animal Physiology
- Management of Livestock and Poultry Farms

Different Disciplines of the Department of Animal Sciences	
B.Sc.	Animal Sciences
	Animal Breeding
M.Sc.	Animal Nutrition
	Animal Physiology
	Animal Nutrition
Ph.D.	Animal Breeding
	Animal Physiology

3- Department of Biosystems Engineering

Overview

Biosystems Engineering Department (formerly Farm Machinery) started its activity in 1982 to train students capable of applying engineering concepts to solve problems related with biological systems. This field of science integrates engineering and design with applied biological, environmental, and agricultural sciences. It represents an evolution of the Agricultural Engineering discipline applied to all living organisms excluding biomedical fields. The department is mostly involved in agricultural machinery systems planning and management, farm machinery design, development and performance evaluation, post-harvest technology, food processing, food safety, bio-processing, nondestructive quality evaluation techniques, precision farming, production of bioenergy, development of biosensors, environmental and ecological engineering and biological treatment of wastes.



The Department of Biosystems Engineering offers an undergraduate program that integrates biological sciences into engineering, and graduate programs leading to M.Sc. and PhD levels. About 10 faculty and staff members support a body of about 100 students at different graduate levels.





Differer	Different Disciplines of the Department of Biosystems Engineering	
B.Sc. Biosystems Engineering - Design and Development		
M.Sc.	Biosystems Engineering - Design and Development	
	Postharvest Technology	
Ph.D	Biosystems Engineering – Modern Agricultural Technology Development	

4- Department of Food Science and Technology

Overview

Department of Food Science and Technology was established in 1980 with the aim of training students to obtain a better understanding about food processes and a systematic investigation into a variety of foods properties and compositions and ultimately improve food products for the general public. A group of more than 15 full time faculty and staff members at this department investigate the physical, microbiological, and chemical makeup of different foods. By applying their findings, they are responsible for developing the safe, nutritious foods and innovative packaging that supports the ever-growing national food industry.



The department has a strong research culture based on the application of fundamental scientific principles and focusing on expanding understanding of foods as biomaterials. The research initiatives cover a range of topics including the food chemistry, food engineering, food microbiology, and food technology. The department offers three degrees of graduation including B.Sc. in food science and technology (general option), M.Sc. and Ph.D. in food

science engineering, food microbiology and food technology. The Center of Excellences in Food Safety and Quality at this department is nationally recognized and is funded directly by the ministry of science, research and technology of Iran.



Our international collaborations includes, production of novel functional foods (Guelf University, Canada), controlling texture in meat production (University of Nottingham, United Kingdom), development of a functional milk product (University of Sari, Italy), optimization of exopolysaccharide production by Lactobacillus species (University of Alberta, Canada), detection of Ochratoxin A by application of gold nanoparticles based immunochromatography (oil crops research institute of the Chinese academy of agricultural sciences, China) and production of probiotic yoghurt using native *Lactobacillus plantarum* (Lille University, France).

	Department of Food Sciences & Technology Offered Courses in 2015-2016
B.Sc.	Food Science and Technology
M C- Q	Food Science and Technology (Food Engineering)
M.Sc. & Ph.D.	Food Science and Technology (Food Microbiology and Biotechnology)
	Food Science and Technology (Food Technology)

5- Department of Horticulture

Overview

Department of Horticultural Sciences was established in 1983 to help Iran's horticultural industries achieve their full potential through research and marketing by educating and training students for careers in farm, industry, government, and academia. Our mission is to train innovative graduates, create knowledge, enhance entrepreneurship and provide community service/outreach through quality teaching and training. Our full time faculty members are teaching and investigating in the different fields of horticulture including pomology, olericulture, floriculture, biotechnology of fruit crops as well as landscape design and postharvest technology. The department provides relatively well-equipped research laboratories, specialized facilities and greenhouses for research and education. Grape vines and other temperate and subtropical fruit collections and olive adaptation orchard are other resources available in this department. Currently the department of horticultural offers diverse and highly rated educational programs in three degrees of B.Sc., M.Sc. and Ph.D.



The M.Sc. and Ph.D. graduate programs attract students from different fields such as ornamental plants, olericulture and pomology. The department is actively engaged in four major areas of research including micropropagation of horticultural crops, vegetable production technology, environmental factors affecting plant growth and development, and post-harvest physiology and technology.

Different Disciplines of the Department of Horticulture		
B.Sc.	Horticultural Sciences	
M.Sc.	Horticultural Sciences (Vegetable crops)	
	Horticultural Sciences (Ornamental crops)	
	Horticultural Sciences (Pomology)	
Ph.D.	Physiology and Postharvest Physiology of Horticultural Crops	
	Biotechnology and Breeding of Horticultural Crops	
	Production of Greenhouse Crops	

6- Department of Water Sciences and Engineering

Overview

This department started its academic activities in 1981 to provide students with broad-based engineering skills necessary to solve water engineering problems related to different subjects such as irrigation, drainage, water resources, water structures, hydraulics and river engineering. A group of more than 15 full time faculty and staff members are involved in both teaching and research in different aspects of water engineering.

The department offers degrees of Bachelor of Science (B.Sc.) in Irrigation and Drainage Engineering, Master of Sciences (M.Sc.) in irrigation and draining engineering, water structures engineering and water resources engineering and doctor of philosophy (Ph.D.) in water sciences and engineering-irrigation and drainage.



Department of Water Sciences and Engineering have established a very effective collaborations both nationally and internationally with some research institutions and governmental offices. These collaborations focuses on waste water reuse, irrigation water demand, irrigation efficiency, soil and water pollution control, deficit irrigation, technology developments, flood estimation, drought mapping, applied research projects and consultations.

Different Disciplines of the Department of Water Sciences and Engineering		
B.Sc.	. Water Sciences and Engineering	
M.Sc.	Irrigation and Drainage	
	Hydraulic science	
	Water Resources Engineering	
Ph.D.	Agricultural EngIrrigation and Drainage	

7- Department of Plant Protection

Overview

Plant protection is a branch of agricultural science that studies biology and ecology of harmful organisms of agricultural crops, and develops methods to control and to prevent the damage to crops and losses of yield.

Plant protection involves many disciplines, requiring knowledge of the biology of pests, principals of crop production, biotechnology, pesticide toxicology, and environmental science. Besides, plant protection is an integrated approach based on biological control strategies, population dynamics and a molecular and genetic understanding of plant-pathogen, plant-insect and plant-weed interactions in order to minimize damaging species' impacts upon natural environments.

Department of Plant Protection was established in 1982 by admitting students at B.Sc. level. The department has been offering M.Sc. in Agricultural Entomology since 1995 and Plant Pathology since 2002. The PhD program in Plant Pathology is offered since 2013.



The research activities are mainly in the areas of toxicology of pesticides, insect physiology, biological control of pests, Integrated Pest Management (IPM), fungal molecular systematic and phytopathology, plant-microbe interaction and plant viruses and virus-vector relationships.

Different Disciplines of the Department of Plant Protection	
B.Sc.	Agricultural Engineering - Plant Protection
M.Sc.	Agricultural Engineering - Entomology
	Agricultural Engineering – Plant Pathology
Ph.D.	Agricultural Engineering – Plant Pathology

8- Department of Soil Science

Overview

Department of Soil Science was established in 1983 to address the challenge of developing sustainable soil management for agriculture and environmental activities. Our task is to expand and transfer knowledge for continuous improvement of the research and outreach programs related to soil sciences. This brings improving quality of life by educating and training students for careers in variety of industry, government, and academia. The full time faculty members are teaching and researching in different fields of soil science emphasizing on environmental shortcomings. The department has relatively well-equipped with research laboratories, as well as specialized facilities. The department offers a general B.Sc. degree in soil sciences. At M.Sc. and Ph.D. level programs courses are offered in soil physics, soil chemistry, soil genesis and classification, soil biology and soil environmental sciences. About 20 full time faculties and staff supports a body of about 200 students at different graduate levels.



Soil Science Department has a strong research culture on the basis of the application of fundamental scientific principles and focusing on expanding the understanding of soil and environment. The research includes a range of topics covering soil biology, soil chemistry and fertility, plant nutrition, soil genesis and classification and soil physics.

This department also supports a Center of Excellence in Soil Pollution and Human Health and the Soilless Culture Research Center.



This department has established international collaboration with several universities, institutes and scientific centers around the world such as ETH of Zurich (exchanging faculty and students) and EAWAG research center, Switzerland.

Different Disciplines of the Department of Soil Sciences	
B.Sc.	Soil Sciences and Engineering
	Soil Science (Biology and biotechnology)
NA Co	Soil Science (Genesis, classification and land evaluation)
M.Sc.	Soil Science (Chemistry and fertility)
	Soil Science (Physics and conservation)
	Soil Science (Chemistry and fertility)
Dk D	Soil Science (Biology and biotechnology)
Ph.D.	Soil Science (Physics and conservation)
	Soil Science(Genesis, classification and land evaluation)

9- Department of Rural Development

Overview

The Department of Rural Development established in 1998 to improve the rural status and agricultural products by educating and training students to prepare them for careers in rural areas, government and academia. Our mission is to expand and transfer knowledge of rural development and planning to continually improve dimensions such as the socioeconomic, environmental, agricultural, cultural and physical infrastructure in the rural areas. Our full time faculty members are teaching and exploring different fields of rural development and emphasis on new advances in this field. For us, rural areas are the real laboratories for research. The Department of Rural Development provides a lab with a range of electronic equipment and an academic environment for discussion and presentation. Currently, the department offers programs in M.Sc. level. The department consists of four full time faculty and staffs supporting a body of 40 students. The main goals of graduate curriculum are to train students for professional careers, enabling them to manage research programs in the area of sustainable development, socioeconomic development, institutional environmental and organizational governance analysis, agricultural extension and training, women studies, participatory rural appraisal, cooperatives and community based natural resources management.

The Masters of Science graduate programs attracts students from different fields such as agriculture, economics, social science, engineering, and etc.

Research Activities

- Agricultural and Rural Development
- Qualitative and Participatory Research
- Environmental Economics and Policy
- Integrated Project Appraisal



Different Disciplines of the Department of Rural Development

M.Sc. Rural Development

10- Department of Agricultural Biotechnology

Overview

Biotechnology and its application to agricultural systems have been recognized as a frontier technology for achieving sustainability of the food production in the world. In Iran, biotechnology has been also identified as one of the key strategic technologies aimed at supporting sustainable crop production. Therefore, education in the field of agricultural biotechnology in Iran has been considered as an essential part of planning and performing modern agriculture.



The Department of Agricultural Biotechnology was founded in 1999 based on a recognition that the future of Iran's agriculture will strongly depend on the incorporation of biotechnology in this field. The department offers graduate and undergraduate study programs in agricultural biotechnology and has launched a PhD program in molecular genetics in collaboration with the Department of Plant Breeding. The overall aims of this department are to acquaint students with the latest techniques and advances in agricultural

biotechnology with a strong emphasis on understanding the theories, principles, and techniques in different key areas of biotechnology.

Graduates with B.Sc. degrees are prepared for a variety of careers in industrial R&D laboratories, research institutions, business, and public service areas. They have the ability to perform managerial or supervisory roles in a wide range of scientific and research oriented area of biotechnology. Distinguished students will also have opportunity to join the graduate programs in various universities.

The M.Sc. students are instructed to have a clear understanding of molecular genetics, plant cell and tissue culture, molecular markers and genetic engineering and proteomics. The overall aim for M.Sc. program is to give the students experience in project management, written and oral presentation of scientific discoveries.

The interdepartmental Ph.D. program in molecular genetics has recently been launched to train students who can work effectively in research teams for the improvement of agricultural crops. Graduates of Ph.D. programs are usually qualified to be research scientists or academic staff.

Research Activities

The Department of Agricultural Biotechnology is nationally recognized for its excellence in both the basic and developmental research in agricultural biotechnology. The research activities at this department are focused on both basic and applied sciences including:

- 1. Genetic diversity of plants
- 2. Plant tissue culture and production of transgenic plants
- 3. Plant- microbe interactions
- 4. Genetic engineering
- 5. Proteomics and protein engineering

The Center of Excellence for Biotechnology of Pome Fruits & Almond Diseases is related to this department.

Different Disciplines of the Department of Agricultural Biotechnology	
B.Sc.	Agricultural Biotechnology
M.Sc.	Agricultural Biotechnology

-EDUCATIONAL CENTERS



Educational Centers

E-learning and Open Learning Center

About

E-learning and Open Learning Center of Isfahan University of Technology (IUT), provides activities in four sections:

- E-learning
- Open Learning and Language Courses
- Webinars
- Official GRE and TOEFL iBT exams



E-learning and Open Learning Center of IUT

E-learning

E-learning or E-Education which is also known as Virtual University and Distance Learning is one of the most important applications of Information and Communication Technology (IT-ICT) in recent years.

Isfahan University of Technology, as one of the major universities in the country and a well-known university at the international level, has considered the use of ICT in education as one of its main missions and extensive studies have been done in this regard. IUT is using E-Education as one of the main prospects to improve the quality of its traditional training for attending students. In additional to that, to meet the growing demand for higher education in the society and opening a different way for higher education enthusiasts, IUT has held a variety of electronic courses in the Open Learning Center. Currently this center offers M.Sc. degrees in

- Computer Engineering Artificial Intelligence,
- Industrial Engineering (Project Management, Innovation and Technology Management)
- Applied Mathematics.

E-learning center held its Learning courses in blended method. In this method, the majority of educational actives such as registration, unit selection, attending in classes, negotiation with teachers and etc. are done electronically while students should attend in mid-term and final exams and some laboratory, practical and problem solving classes.

E-learning Advantages

- E-learning system is an electronic platform between the students and the teachers.
- A good alternative to extracurricular classes.
- A good choice for those that have spatial and temporal constraints or have physical disability that cannot be present in the classroom.
- Today's web-based distance education and online universities are very popular.
- This method is more reliable in education and cost affordable.

The Benefits of E-learning Center

- The possibility of offering courses in multimedia voice, video, text, animation, etc.
- Access to content at any time and any place.

- Teacher and students communicate via the internet.
- Allowing the exchange of information and discussion on class lesson content at any time and any place.



Audio facilities (rooms for sound recording and producing content)



The special classes for online courses (with sound insulation and special Tablets for PC)

103

Open Learning

In addition to E-learning courses, IUT Open Learning Center held some short-term courses as a complementary for classic education for IUT students and staff as well as other organizations employees. To fulfilling these goals, IUT Open Learning Center has multiple classes with up-to-date electronic and audiovisual equipment and as well as several computer workshops and seminar halls which are using for specialized classes, workshops and seminars. This center issue formal certificate for those who participate in this short courses.

The Aims of Open Learning Center

- Improving the quality and updating the skills of graduates with using modern methods of teaching.
- Creating the background to increase access to higher education and providing continuing educations for students of universities and institutions of higher education.
- Doing short term and long term training courses in general and professional types.
- Counseling, assessment, planning and doing practical courses, seminars and workshops.

As mentioned previously, presetting international webinars, holding different foreign language classes and official iBT TOEFL and GRE exams are this center's other activities.





The sites with computers and updated systems.



Video conference room (for seminars and conferences out of campus).



Convening practical classes

GRE & TOEFL iBT official Exams

Isfahan University of Technology is the sole official agent of ETS organization in Isfahan province and from 2007 takes the iBT TOEFL and GRE (GRi) exams almost each week. IUT has provided the unique facilities with the highest standard levels based on the ETS requirements.



GRE & TOEFL iBT exam salon

Pardis College - Isfahan University of Technology (PIUT)

About

To improve the higher education in the country, Pardis of Isfahan University of Technology (PIUT) was established in 2013 and is located near to IUT.

PIUT intends to provide the opportunity for those who are interested in higher education in various industrial fields of engineering. In PIUT, the education expenses and tuition fees must be paid by the student. The establishment of Pardis self-governed university was on the agenda of the Ministry of Science, Research and Technology, since in the past due to the lack of universities in Iran the young had to study in colleges that were low in quality in other countries.

Based on the PIUT mission, its graduates have the professional abilities to function effectively in engineering fields and the technical skills to operate in an increasingly complex technical world.



Pardis of Isfahan University of Technology

Admission

Admission to PIUT is via written and oral exams taken by both the Ministry of Science, Research and Technology and the Isfahan University of Technology. Applicants need to pass the exams successfully to acquire the entrance admission.

Educational Program

PIUT provides PhD and MSc courses in the following fields:

- Civil Engineering
- Mechanical Engineering
- Materials Engineering
- Industrial Engineering
- Physics
- Chemistry
- Chemical Engineering

Facilities and equipment

PIUT continues to uphold the highest quality in both research and education. PIUT has provided proper facilities and classes and enjoys a comprehensive electronic library, a well-equipped computer center and high-speed wireless internet.



Information Technology Center (ITC)

The Information Technology Center provides computational facilities and programming advice in educational and research areas for students, faculty, and administrative staff. The computing sites throughout the campus provide general access to batch, time sharing as well as personal computer services. A computer networking system is being designed to help interaction between departments. In addition to the facilities outlined above, all departments have their own computing facilities.



Developing, hosting and configuring websites for academic staff, students, and other IUT centers is one of the IT Center duties. This center also is responsible for design, maintenance and support of the university computer network and its related services. In addition ITC provides software and hardware services as well as some IT training for the university staff and students.

The Information Technology Center occupies an area of 3500 square meters with great facilities including equipment and expertise and is considered as one of the most enhanced and effective computing centers in Iran. In addition to the main large site which has been allocated for large computers, there are other smaller sites which have been set aside for the medium and personal computers including PC section, Unix terminals for students, library, study room, academic staff's project, graduate students, Audio-video classrooms, power supply and UPS unit and other minor sections. This center is open 24 hours a day with three different working shifts in the whole year.

Central Library

Overview

The library of Isfahan University of Technology was established in 1972, then it moved to the new building in 2008. The new library is equipped with the advanced facilities and the high end technology, making it one of the best and largest libraries among the universities of Iran.

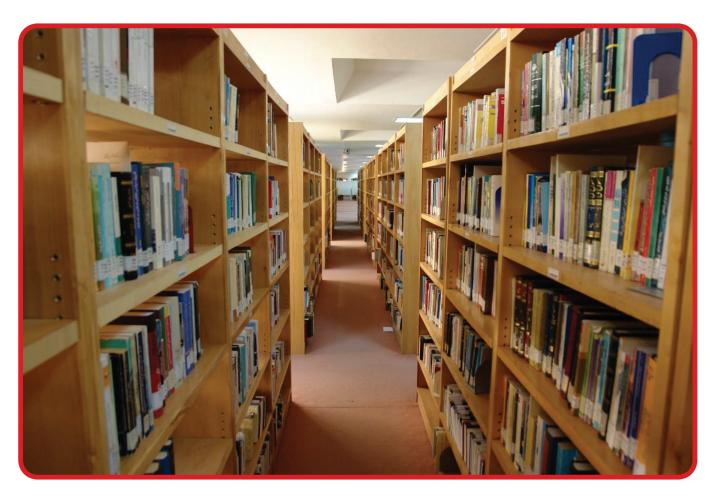


It offers a rich collections in printed and digital formats across the broad spectrum of disciplines presented at IUT. These collections are not only used by members of the campus community, they are accessible to anyone from any other university. Since its establishment, with the expertise of its librarians and staff, the library has played a critical role in the teaching, research, and service missions assigned to the University.

Staff of the library provide services of many types to guests, helping them to find information or borrow books. Books that are not held in the library itself can be ordered on an interlibrary loan basis from other domestic libraries. The staff will also help with reference searches.

Collections

The University library's collections comprise hundreds of thousands of volumes housed in the Main library, in some satellite small libraries, and special collections. Digital collections are also growing rapidly. In addition to locally digitized materials, the University library provides access to hundreds of thousands of e-books, journals, magazines, and newspapers.



Online Catalog

The library resources can be lent to both registered students and staff. These services are available on the main library 2nd floor. The borrowing procedure is defined as follows:

- Undergraduate students: 4 books at a time for 20 days.
- Postgraduate students: 6 books at a time for 20 days.
- PHD Students: 8 books at a time for 30 days.
- Faculty: 12 books at a time for 90 days.
- Staff: 4 books at a time for 30 days.

Online Easy Search enables users to search online catalogs for printed format. library materials already borrowed, can be renewed online or over the phone. Also, reserved books are accessible through the library's online catalog at the following address:

http://176.101.52.106/dl/search/

Reference Service

Special collection and reference services are provided on the 2nd floor of the library. These services encompass a broad range of information needs, such as finding quick answers to questions, accessing online catalogs and other electronic resources and locating library materials and information on specialized topics.

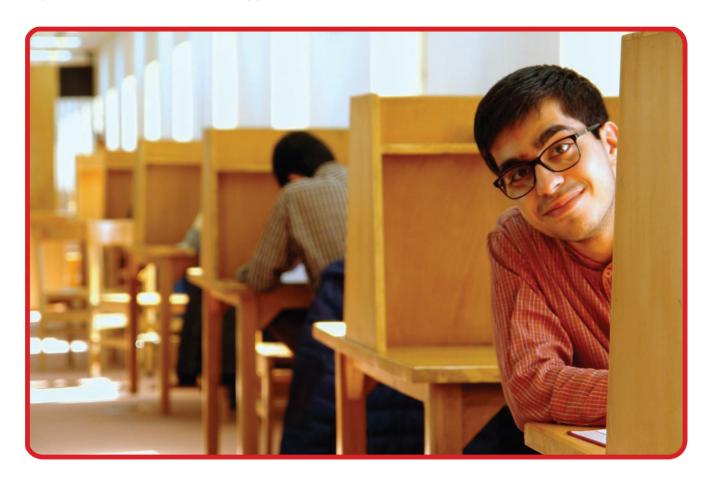


Documentation Center and Dissertations

IUT library is a repository of the unpublished research papers which have been conducted by M.Sc. and Ph.D. Students. Thus, the library provides free access to cross-searching for printed collections of intellectual output materials produced at the Isfahan University of Technology.

Computers, equipment and Internet Services

Currently, a number of workstations are available within the library for using the internet services. Through these PCs, users are free to browse online information in order to fulfill their information needs. Also, wireless connection is available for those who have their own laptops. For printing the materials, the photocopiers are available on the ground floor and provide more assistance and support.



E-Resources

Information of different types is accessible via the library's website, http://lib.iut.ac.ir. In addition to the information about the library holdings, there are links to various databases and other information utilities. The focus is on guidance with searches for references and links to electronic information resources. An example is **Electronic Resources**, the listing of electronic journals, in addition to a number of databases that are either subscribed to by the IUT or are free and open to everyone.

E-Resources include:

Science direct, Springer, Wiley, Onepetro, Scopus, MathsciNet, and etc.

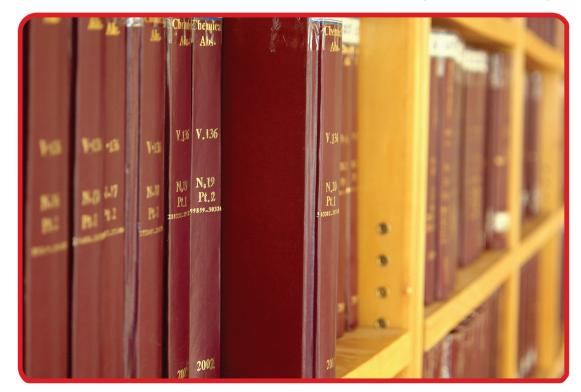
Interlibrary loan (ILL) system

Access to libraries of other universities means that the book or resource you need may be found and ordered at other local or global universities.



Library Instruction

The University library is committed to helping IUT, staff, and students make full and self-sufficient use of information resources. The Researcher workshop series offers unique and



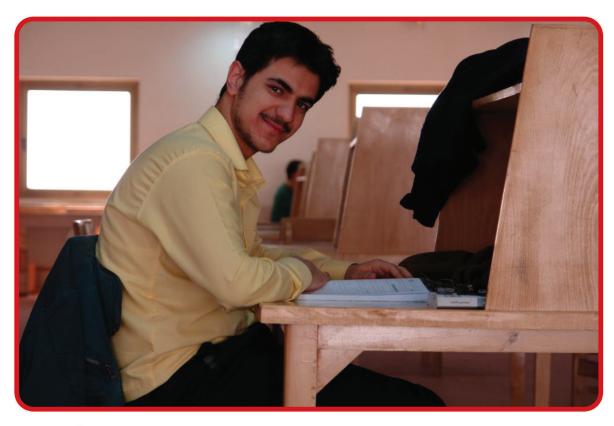
supplemental learning opportunities. Information about all of these programs and much more is available through the library's website. The Audiovisual Collection on the 2nd floor of the library includes CDs of some books.

Studying in the library

There are carrels and reading rooms on the 2nd floors of the library. These are intended for scholars, graduate students and others working on projects requiring the use of the library's collections or in need of peace and quiet to do their work.

Upon the request of students, the central library's study halls which are located at the ground floor, are open during the working days based on the following schedule:

- The Boys study hall is open 24 hours 5 days a week.
- The Girls study hall is open from 8:00 AM till 21:30 PM, 5 days a week.



Contact information:

Telephone: +98 31 33912520 Email: cent_lib@cc.iut.ac.ir

Website: http://lib.iut.ac.ir/en/node/27

Working Hours: Saturday- Wednesday 7:45-16:15

Educational Workshop Center

The Workshop Center offers courses to all engineering students of the university, with the intention of acquainting them with the various practical jobs in industry. The courses also help students gain skill in making tools they might need in the course of their research projects. Instruments needed for research by the departments are also made in the Workshop Center. So far a considerable number of them have been designed and made.



Islamic Teaching Center

IUT Islamic teaching center offers courses in Islamic Theology and also Persian literature.

The main goal of this center is to support the foundation of students' ideological thoughts, answer their questions, and clarify ambiguities. This center also publishes a seasonal magazine.

Language Center

The Language Center at IUT was founded in 1977 simultaneous with the inauguration of the campus. It was designated as a central academic service of the university, and in this capacity, we pride ourselves in having provided a user-friendly and welcoming place for students interested in improving their command of the English Language. The center provides different opportunities for learning within a well-equipped and friendly environment. The ELC at IUT, committed itself to improving the language skills of the students through a two-semester instruction and study. In addition to that, this center offers M.Sc. program in Learning English as a Foreign Language.

Physical Education

The center offers two courses in physical education to the students of all disciplines, it also offers sporting services to all residents in the campus. The center's sports facilities include a magnificent, large and beautifully designed indoor swimming pool with diving boards, steam and dry Sauna, as well as a small pool for children. A large football field with track and field facilities; three other grass football fields, an outdoor basketball court, a wrestling hall, a gymnastics hall, a martial arts hall, a table tennis hall, plus four multipurpose indoor sport halls with volleyball, basketball, badminton, athletics and fitness facilities in dormitory areas. The center organizes intra-mural competitions and takes part in university competitions across the country.



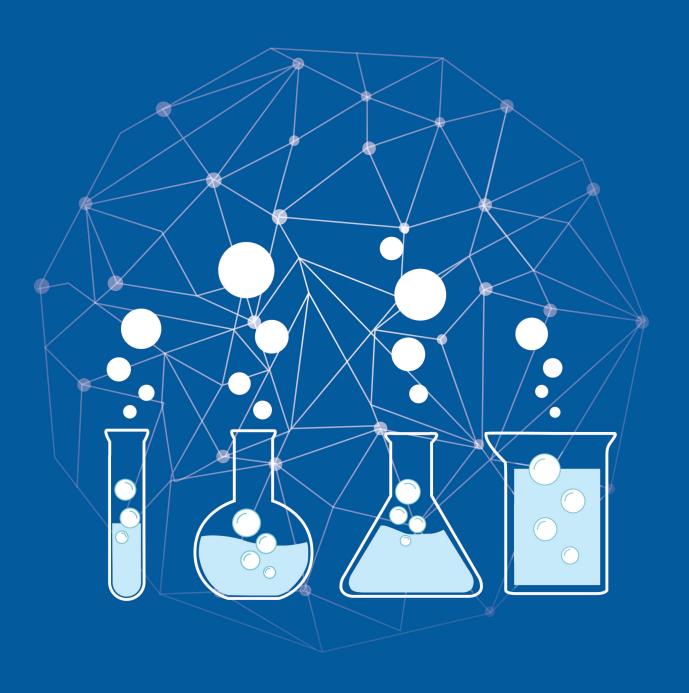


University Farm

The University Farms consist of three units. The Lavark Farm, located some 45 km away at Lavark village is the largest with 100 ha of land. It contains animal husbandry and poultry units, honey bee hives, and, fish ponds, four pumping wells and a canal from the Zayandehrood. The Lavark Farm is used for research, production and education. The second farming unit inside the campus is primarily used for educational purposes. The third unit with 12 ha of land is located in Shervedan region and is often used for graduate students' research work.



RESEARCH

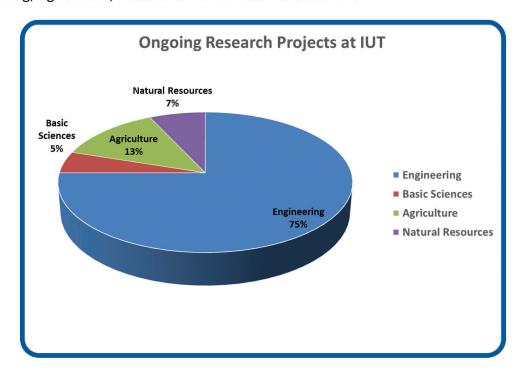


Research

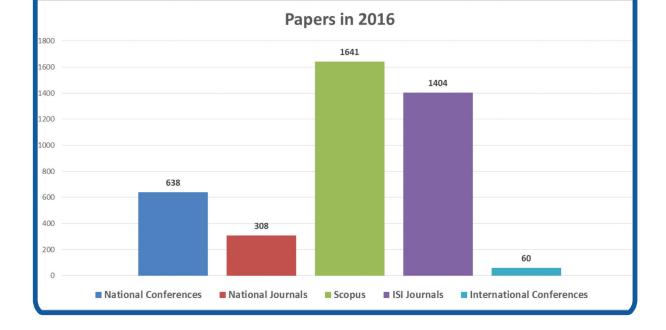
Since Isfahan University of Technology is being situated in the industrial hub of the country, developing research projects is one of the most important IUT missions; and it is because:

- Through research, faculty members enhance the scope and effectiveness of their teaching.
- Through public service, faculties validate past research findings & identify the need for new research and for modifications of curricula.

IUT has so far carried out 2100 research projects funded by well- known industries in the fields of Engineering, Agriculture, Natural Resources and Basic Sciences.



Since IUT believes that education, research and entrepreneurship are cornerstones to a global enterprise, the main research strategy at IUT is to focus on high impact research that advances knowledge and its application, and which is of high international quality and impact.



Strategic Research Management

- Determination of research priorities with respect to national and local Policies
- Establishment & reinforcement of research centers
- Providing support & sponsorship for the individual & group research
- More further collaboration with industry
- · Development of joint research with foreign scientific institutions
- Sponsoring and holding scientific conferences
- Development & expansion of the university IT structure
- Enhancing the university contribution to scientific publication production
- Synergizing multi-disciplinary strengths in research



RESEARCH CENTERS



■ IUT Research Centers



Avionics Research Center

Avionics research center (ARC) founded in 2013 for advanced research and development in aviation electronics. ARC is located near the Electrical and Computer Engineering department and works in joint collaboration with this department. There are three active research groups within ARC:

- Simulators, Flight Guidance and Control group
- Systems and Test Equipment Group
- Systems Integration Group

ARC Main Research Fields

- Formal specification and verification of avionics
- Safety assessment of avionics systems
- Avionics Data Bus Interfaces
- Integrated Modular Avionics (IMA)
- Real-time Operating Systems
- Digital Signal Processing with FPGA
- Airborne communication and radar systems
- Vision based localization, Navigation and Tracking
- Flight guidance and control systems
- Development of Unmanned Aerial Vehicles
- Multiagent Aerial Vehicle Systems
- Avionics Systems Integration

ARC Nationwide Activities

As the sole academic avionics research center in Iran, ARC has participated in many national activities in some of which ARC has been the initiator and organizer.



Host of The 2nd Iranian Conference on Avionics Systems



Member of the National Avionics Specialty Committee



Publisher of the Avionics Bimonthly Magazine



Developer of the National Avionics Roadmap



Manger of the National Civil Aircraft Project in Avionics Division





ARC Research Laboratories



Digital Comm. Systems Lab



Flight Control & Formation Lab

Some of ARC Products and Services



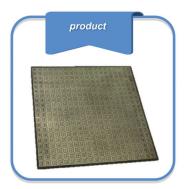
Flight Data Recorder



ADS-B Receiver



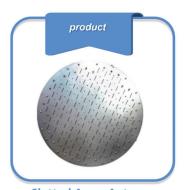
Quad-Rotor Autopilot



Planar Surface Wave Antenna



Rotman Lens Antenna



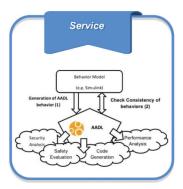
Slotted Array Antenna



Avionics Databus Interfaces



Flight Deck Mock-up



System Safety Assessment

Water and Wastewater Research Center

The researches in Water and Wastewater Research Center are mainly focused on three groups:

- Water Resources
- Water Quality
- Water management and Efficiency

The focus is largely based on developing and optimizing technology for the treatment of water and wastewater and to satisfy the needs of industry and the community. Research projects are selected and designed in close consultation with industrial partners such as Isfahan Province Water and Wastewater Company, Isfahan Regional Water Authority, Isfahan Province Village Water and Wastewater Company. Projects are mainly aimed to help industries maintain acceptable levels of effluent discharges, thus reducing negative environmental impact and commercialization of products generated from waste streams. The strength of the WWRC lies in the development of essential skills through student training, to satisfy the much needed human resource needs of the water sector (including industry) in Isfahan province.

Research Institute for Steel

So far, Isfahan has been the main center of steel production in Iran. The largest steel production plants of Iran, Mobarakeh Steel Co. and Esfahan Steel Co., are located in vicinity of Isfahan. To establish close cooperation as well as responding research and educational requirements by steel industries, Research Institute for Steel was founded in 2007 at Isfahan University of Technology.

The Research Institute comprises three research group including Design and Simulation, Process and Energy. Some of the research subgroups are rolling, casting, forming, surface metallurgy and coating, extractive metallurgy, etc.

Research Institute for Steel has conducted some projects in the field of optimization of steel production processes, design of machines and consulting in investment, development and byproducts recycling in different industries. The activities are mainly aimed to sustainable development of the steel industry.

This research institute may also offer educational services such as workshops for upgrading the knowledge of industrial experts and presenting professional seminars on special issues in different aspects of steel industries.

Information and Communication Technology Institute (ICTI)

Overview

Information and Communication Technology Institute (ICTI) was founded in 1989. Since then, it has been conducting intense applied research in the areas of communications, computers and electronics. The ICTI has dedicated its endeavors to the creation of an academically competent environment where academic research by the faculty and graduate students meets the demands of the nation's industry. The institute has successfully completed many projects, most of which have been under grants and contracts with the industry. Several graduate students of the IUT have completed their M.Sc. or Ph.D. theses toward subjects defined and supported by ICTI. The ICTI has received various awards for its excellence and fulfillments of national demands.

The main goals of the ICTI activities are as follows:

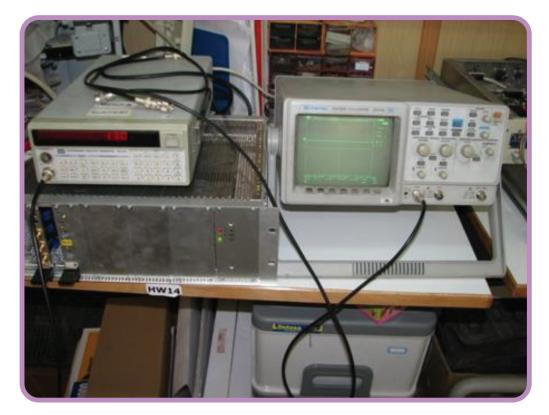
- Establishing an effective research interface between the university and industry.
- Design and supervision of modernization programs in various industries.
- Obtaining and maintaining state-of-the-art research facilities.
- Design and implementation of different systems in accordance with the demands of the industry.
- Defining, supervision and supporting graduate and undergraduate theses toward completion of large scale projects.



Research Areas

- Image, Video and 3D Data Processing
- Statistical and Array Signal Processing
- Wireless Communications
- Applied Software Development
- Computer Vision and Computer Graphics
- High Speed Parallel Processing Algorithms
- Intelligent Sensors and Actuators
- Solid State Radio Frequency (RF) Transmitters
- RF High Power Amplifiers
- High Sensitivity Receivers
- High Voltage Power Supplies
- Simulators and Training Devices





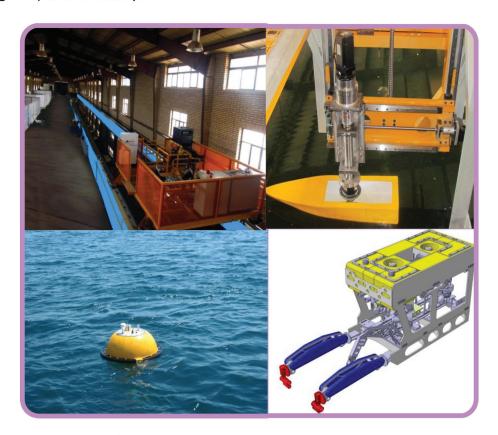
Honors and Awards

- 6th, 15th and 25th Khwarizmi International Award (KIA)
- ISESCO International Award
- IUT Best Research Organization



Subsea Research and Development Center (SRDC)

The center was established in 1984 with objectives of design and development of marine vehicles. It has a property of over than 6000 [Sq. m] of infrastructures and research groups, technical & administration offices, laboratories (Hydrodynamics, Electronics, Robotic & Intelligence) and Workshops.



The center is committed to:

- Performing scientific researches leading to development of marine system, and functionalize their engineering applications at the national and international level.
- Carrying out applied researches leading to production of advanced marine vehicles and underwater equipment.
- Technical Workshops and training Courses related to marine engineering and capacity building of human resources.
- Publishing scientific research findings in the field of marine engineering.

The main research groups of the center are:

- Hydrodynamic group
- Electrical & Navigation group
- Structure & Material group



The SRDC is currently engaged in the following research areas:

- Met- ocean measuring equipment's ,networks and forecasting systems
- Unmanned underwater vehicle systems (UUVs-ROVs-AUVs)
- Oceanographic and meteorological buoys (Met- ocean buoys)
- Corrosion monitoring systems for oil risers (cladding)
- Underwater ship hull cleaning systems (Cleaners)
- Hydrodynamic and hydrostatic deep sea pressure tests
- Advanced planning motion mechanisms for execution of deferent maneuvering tests at towing tank
- Underwater manipulator with various function and degree of freedom
- High accuracy sensor technology for directional ocean wave measurement
- Wind wave modeling, data assimilation and forecasting of Caspian Sea, Persian Gulf and Oman Sea
- Rotor- dynamic, special pump & electro motors for offshore oil & gas industry
- Consulting services in marine & underwater fields
- Road mapping & strategic planning in marine industries
- Risk, reliability & assessment analysis in marine industries

Research Institute for Biotechnology and Bioengineering

Research Institute for Biotechnology and Bioengineering was organized with 9 research groups and 50 faculty members in 2009 at Isfahan University of Technology. Considering the priority and importance of the role of Biotechnology in today's science world, this research institute has been stablished by Isfahan University of Technology.



This institute has 9 research groups which are named as follows:

- · Industrial Bioengineering
- Food Industrial Bioengineering
- Animal Bioengineering
- Biomaterials and Dental Materials Bioengineering
- Microbial Bioengineering
- Biosensors
- Plant Biotechnology
- · Environmental Bioengineering
- Mineral Bioprocessing Bioengineering

Goals of research institute according to National Biotechnology Document of Islamic Republic of Iran:

- 1. To establish the importance and effectiveness of biotechnology in society.
- 2. To prepare the national requirements in biotechnology research fields.
- 3. To expand interdisciplinary biotechnology related research programs.
- 4. To train scientists in biotechnology and bioengineering research fields.
- 5. To maximize the economic effects of research programs.
- 6. To create new opportunities in local and national industry.
- 7. To execute applied research projects in the field of biotechnology.

- 8. To enhance the publication of scientific articles in biotechnology.
- 9. To use biotechnology in order to preserve biodiversity and genetic supplies.



Research activities

- Membership in the national network of biotechnology and bioengineering laboratories
- Equipping laboratories to advanced biotechnology equipment
- Running a significant number of higher education projects and publishing more than 100 scientific papers in national and international journals.
- Production of technical knowledge in order to make facilities such as fermenter and bioreactor.

Nanotechnology and Advanced Materials Institute (NAMI)

Considering the important role of new technologies in the country's development road map as well as establishing a more coherent communication and running big technological projects for industries, Nanotechnology and Advanced Materials Institute has been founded by Isfahan University of Technology, taking advantage of the scientific and research potentials of its academics in this field.



The main goals of Nanotechnology and Advanced Materials Institute are:

- Promote and advertise the importance and impact of nanotechnology on the society
- Prepare the basis of running applied research projects in the field of nanotechnology
- Research, production of knowledge, publishing scientific papers and patents in the field of nanotechnology.
- Establishing an advanced computing system to fulfill the computing and simulating needs in the fields of nanotechnology and advanced materials
- Equip an up to date research lab
- Design the comprehensive Nanotechnology roadmap of the Isfahan province
- Organizing national and international conferences



Nanotechnology and Advanced Materials Research Center consists of three specialized groups which are named as follows:

- Nanoscience: The fundamental and basic issues in the field of nanotechnology and advanced materials are considered in this group. In addition, this group provides the required scientific support for the other two groups. The main activities of this group include nano thermodynamics, nanocatalysts, Nano quantum, etc.
- Nono and Advanced Materials: This group focuses mainly on nano structured materials like nanocomposites, nanopowders as well as advanced materials like composites, inter metallic and super alloys. The activities of this group also concerns manufacturing and commercializing of nanoparticles, nanocomposites, nano-coatings and nanostructured devices.
- Nanoengineering: Applying nanotechnology in different branches of engineering like materials, textiles, chemical, mechanical, civil, electrical, environmental is considered as the main of Nanoengineering group. Application of nanofluids in the field of heat and fluid and replacing fossil fuels with renewable energies in the field of environmental engineering are some examples. Nanofluids, nanofilters, nanocatalysts, nanoelectronics constitute the main interests of this group.

Achievements

- Hiring 40 researchers in the field of nanotechnology and advanced Materials
- Running tens of applied research projects
- Publishing more than 400 ISI papers
- Publishing 5 books in the field of nanotechnology and advanced materials
- Running more than 200 postgraduate research projects
- Producing different kinds of nano materials
- Equipping several research laboratories for production, characterization and simulation in the field of nanotechnology and advanced materials.
- Manufacturing of some devices used in the production of nanomaterials



Research Activities

- Production of Al-Zn/Al₂O₃ nanocomposite
- Production of nanostructured aluminum sheet
- Design and production of nanotubes and nanoparticles to reduce engine oil consumption
- Improve the tribological behavior of components using nanostructured ZrO₂-Y₂O₃ coatings
- Manufacturing nanometer ceramic filters made of titania using sol-gel method

- Manufacturing nanostructured NiTi intermetallic compounds
- Manufacturing and evaluating microcapsules containing nano- nutrients in hydroponic environment
- The synthesis of nano-copper powder
- Producing copper covered acrylonitrile conductive nanofibers
- Construction, characterization and evaluation of bioceramic particles such as calcium hydroxyapatite.
- Design, and manufacturing of biocompatible and bioactive steritenano-particles.
- Manufacturing of nanostructured bioceramic coatings and bioceramic composites for dental and orthopedic implants



In addition to these research centers, IUT has 6 Centers of Excellence with interdisciplinary research activities. These centers are as follows:

- 1. Food Safety and Quality
- 2. High Performance Steel
- 3. Soil and Water Pollution
- 4. Sensor and Green Chemistry
- 5. Applied Nano Technology
- 6. Biotechnology of Pome Fruits & Almond Diseases



INTERNATIONAL RELATIONS



International Relations at IUT

As a strategic plan, IUT has started to increase its international ties with other well-known institutions all around the world, more than before, in past ten years. We have successfully been able to observe a sharp and fast increase (10 fold increase since 1999) in the number of agreements signed by IUT and other internationally recognized universities. The aim is to expand our scientific relation through exchange of scientists, faculty and students, offering joint degree programs and conducting joint research projects.



Scientists from various countries are also regularly invited to offer short courses, lecturers, or consultation services to the faculty or PhD students. Each year a number of IUT academic members spend their sabbatical leaves at prominent universities around the world as well as attend international conferences here and abroad. Also, annually, many of IUT PhD students are sent to the accredited universities abroad for their sabbatical leaves for about 6-9 months.





The office of International Relations supports the University's commitment to internationalization and coordinates services and programs for international students, scholars and alumni. This office also aims to provide an effective corporate publicity for Isfahan University of Technology, to promote and enhance the University's image and reputation on international level.

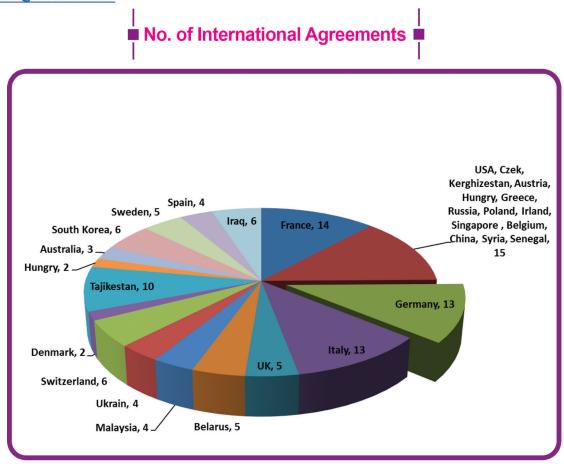


Swiss National Contact Point

Based on its tight cooperation with top universities of Switzerland, Isfahan University of Technology has been appointed as the "National Contact Point in Scientific Collaboration with Swiss" by Iranian Ministry of Science, Research and Technology.



For developing the academic relations with Switzerland, Isfahan University of Technology established the "Swiss desk" at the International and Scientifica Cooperation Office in 2017. Swiss desk is responsible to provide required educational/ research information for national universities to promote the academic collaboration and joint research projects between Iranian and Switzerland academia. Dr. Sima Fakharan, a faculty member of IUT Department of Natural Resources is the head of the Swiss desk. For more information you can contact her through eu.isco@isco.iut.ac.ir.



Collaboration with Non-Residence Iranian



ISCO is responsible for collaboration with non-resident Iranian scientists and specialists in the framework of a joint project with Iran National Elite Foundation and Vice-President for Science and Technology. This project aims to support scientific and research programs, including post-doctoral opportunities, sabbaticals, short-term and long-term technical projects and conducting lectures and professional workshops and trying to improve the effective communication between non-resident Iranian scientists and specialists and chosen Iranian research centers.

International and Scintific Cooperation Office (ISCO) Staff



•• Prof. Nasrollah Mahboobi Soofiani ••

Director of International and Scientific Cooperation Office Email: isco@cc.iut.ac.ir

Secretary >



Secretory of International and Scientific Cooperation Office Email: arab@of.iut.ac.ir

Swiss Desk Section >



Head of Swiss Desk at International and Scientific Cooperation Office Email: eu.isco@isco.iut.ac.ir

International and Scientific Cooperation > Section



- Management of international agreements
- Management of international visitors International students adviser

International and Scientific Cooperation (>) Section



Officer for International and Scientific Relation

Email: tajvari@of.iut.ac.ir

- · Management of Visa requests
- · International students adviser

Research Scholarships Section

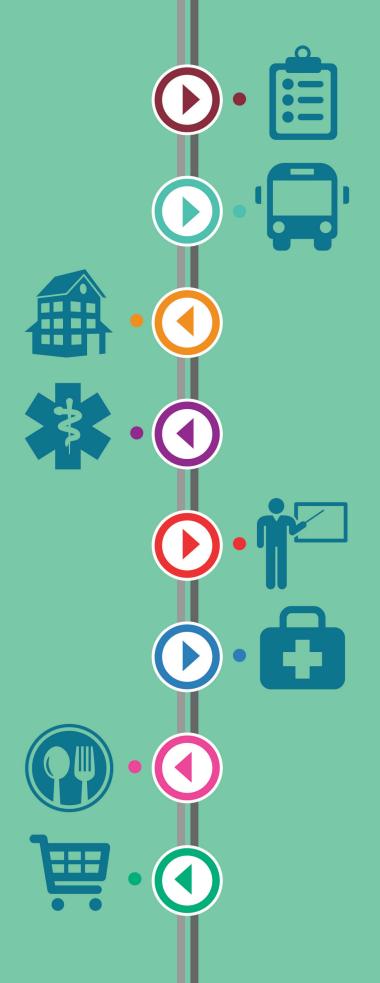


Saeid Poursahrafeddin •••••••

Senior Officer for Academic Members and Students Research Scholarships Email: sharafeddin@isco.iut.ac.ir

- Management of internship affairs
- Management of sabbatical activities

FACILITY & SERVICES



Facility and Services

University Publication Center

IUT Publication Center was founded in 1986. Through these years it has focused on publishing academic books, and published over 141 books up to the present time, 34 of which have received national awards.



This Center is responsible to publish the book of abstracts of the national and international seminars which are held at IUT. This center annually publishes many books and ten periodical scientific journals named as follows:

- **ESTEGHLAL**: is an engineering journal which has received scientific and research honorary grade from Ministry of Science, Research and Technology. This journal has been divided to two different subjects of engineering named as follow:
 - 1- Journal of Advanced Materials in Engineering
 - 2- Journal of Computational Methods in Engineering
- Iranian Journal of Physics: is a journal publishing papers in Physical Sciences in collaboration with the Physics Society of Iran.

- Journal of Science and Technology in Agricultural Sciences and Natural Resources: is published in Persian by the College of Agriculture and Department of Natural Resources. This journal has been divided to four different subjects named as follows:
 - 1- Journal of Crop Production and Processing
 - 2- Journal of Science and Technology of Greenhouse Culture
 - 3- Journal of Science and Technology of Agriculture and Natural Resources
 - 4- Iranian Journal of Applied Ecology
- Journal of Applied Fluid Mechanics: The Journal of Applied Fluid Mechanics (JAFM) is an ISI, international, peer-reviewed journal and covers a wide range of theoretical, numerical and experimental aspects in fluid mechanics. The emphasis is on the applications in different engineering fields rather than on pure mathematical or physical aspects in fluid mechanics.
- Journal of Metal and Iron: International Journal of Iron & Steel Society of Iran (ISSI) is published semiannually by (ISSI). Original contributions are invited from worldwide ISSI members and non-members.
- **Journal of Payam-e- Foulad**: is a seasonal journal which its goal is to publish the new scientific and research achievements in metal and iron.



In 2011, IUT Publication Center was recognized as the best academic publication center in Iran and received a national award.

Innovation and Entrepreneurship Center

Entrepreneurship is the process of starting a business or other organization. Entrepreneurs may be the key drivers of tomorrow's innovations and integral to creating a thriving economy. Since the universities and higher education centers are one of the most effective places for forming and developing the knowledge base companies with fresh ideas, therefore motivating the students for this matter, should be one of the high-lighted missions for any university.

The main purpose of IUT Entrepreneurship Center is to establish, expand and encourage the innovation based on technology and form the entrepreneurship kernel to establish the knowledge based companies.



Housing and Accommodation

During the past years, distinguished faculty and hardworking administrators have transformed this institute into a highly competitive learning and research institution that is well recognized both locally and internationally.

A considerable number of IUT faculty members reside inside the campus as well as students who live in the provided dormitories. This situation will help them to have an easy access to learning and research areas and facilities.





Nowadays, the university dormitories have enough capacity for accommodating more than 4000 students and the quantitative and qualitative development of these dormitories is seriously considered by the university administration.

University Health Services



The University Health Service offers full time, multi-purpose medical services at affordable rates for all the university staff and students. Minor illnesses, requiring residential care and not sufficient to need admission to a hospital, are treated in a sick bay. There are also physicians and dentists available within the office hours for all residents.



University Schools

There are primary and high schools on the campus, where students' and staff's children can study. However, since only honors students are admitted to these on campus schools and due to a shortage of space, non-resident as well as resident students can only be enrolled upon passing the entrance exam held each year in June.



Day Care Center

The students and the staff who have children below the age of five can leave their children with the qualified personnel in the Nursery and the Day Care Center during the office hours. These services is provided at an affordable rate.



Sport's Center

Sports Center offers sporting services to all residents in the campus. The center's sports facilities include a magnificent, large and beautifully designed indoor swimming pool with diving boards, steam and dry sauna, as well as a small pool for children, a large football field with track and field facilities plus three small grass football fields, two tennis courts, three fitness centers, an outdoor basketball court, a wrestling hall, a gymnastics hall, a martial arts hall and a table tennis hall.



In addition to that in dormitory area there are four multipurpose indoor sport halls with volleyball, basketball, badminton, athletics and fitness facilities. The center organizes intra-mural competitions and takes part in university competitions across the country.



University Restaurant and Canteens

Restaurants, run under the supervision of the Vice-President for Student Affairs, cater for all students and staff. Lunch is served at the subsidized price for students and staff. Students living in the campus also have their dinner and breakfast in these restaurants and cafeteria. In addition to that, there are several restaurants in the campus that offers a variety of foods for every meal time.



University Shopping Center

IUT shopping center named as Pardis, is to provide daily necessities for students and staff who are accommodated within the university campus.



Student Unions

These unions allow students to collaborate in the scientific, cultural, political, literary and social activities beside their academic studies.





ADMISSION FOR INTERNATIONAL STUDENTS



IUT welcomes students from across the country and all over the world, with diverse backgrounds and far-ranging talents and interests.

Many factors are taken into consideration during the review process. The most important are, applicants' previous academic record, completed courses, received degrees, overall standing, etc. Other factors include: reference letters, research area, supervisor availability, funding availability and lab space, etc.



Isfahan University of Technology establishes the minimum admission requirements common to all students. However, some departments may need additional requirements.

Admission Requirements

- ➤ There are no legal restriction for the applicants to continue their studies based on educational policy.
- ➤ Getting a valid certificate of physical and mental health from a reliable physician of IR Iran agency and university reliable physician

> Applying for a Master's Degree:

Holding a B.Sc. degree from an accredited institution with a minimum GPA of 14 out of 20 (2.8 out of 4.0).

> Applying for a PhD Degree:

Holding a M.Sc. degree from an accredited institution with a minimum GPA of 14 out of 20 (2.8 out of 4.0).

> Applicant who wants to take part in English courses:

Should have a valid English language certificate. Acceptable certificates and scores are described in the following table:

Education Level	TOEFL iBT	TOEFL PBT	TOEFL CBT	IELTS
MSc.	69	525	195	5.5
PhD.	79	550	213	6

> Applicants who wants take part in Persian courses:

Should hold a Persian language certificate from one of the Persian language official centers in Iran.

Note: Persian knowledge of those international applicants who have passed their previous education level in Iran is acceptable



All applicationts are requested to provide:

- Completed application form (available at http://iscoweb.iut.ac.ir).
- Two letters of recommendation from individuals who can attest to your educational capabilities (it must be sealed in an envelope and signed across the back flap).
- Three copies of official transcripts translated into English (see note below).
- Three copies of applicant's passport or Identification card.
- Three recent photographs

Notes:

- After receiving an admission letter, please submit the original documents as signed and sealed by the Iranian Diplomatic Mission in your country.
- Application materials should be submitted in one package



How to Apply

- Step 1- Collect all required documents, mentioned in the Admission section
- **Step 2-** Scan and send all the required documents to **isco@cc.iut.ac.ir** before the application deadline.
- **Step 3** Admission request will be sent to the related department and related authorities will make decision based on provided documents.

Application Schedule:

Procedure	Spring Admission (all programs)	Fall Admissions (all programs)		
Application deadline	October	End of May		
Final Result Notification	Early December	Early July		
Semester Start	Early February	Early September		
This schedule may change.				

Tuition fee per year:

Level of Study	Yearly Fee* (all programs)			
Master	USD 8000			
PhD	USD 9600			
*The tuition fee may change.				

^{*}Scholarships (up to the 50 percent of the yearly tuition fee) is provided for talented students.

On Campus* Cost of Living:

	Туре	Fee	Remark
On Campus	Housing	USD 80/ per month	Shared room
On Campus	Dining	USD 80/ per month	Breakfast, Lunch & Dinner
Health Insurance		USD 50 per year	

^{*}Off-campus costs are different and depend on student's lifestyle.

Published by : International & Scientific Cooperation Office (ISCO) , Isfahan University of Technology (IUT)

Printed in : Isfahan , Iran

Photographs by: IUT Public Relations Office, Salar Sohrabi & Sajjad Mortazavi

Further Information:

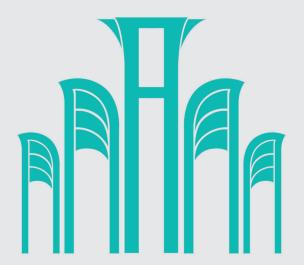
International & Scientific Cooperation Office (ISCO) , Isfahan University Of Technology , Isfahan , Iran , 84156-83111

Tel: +98 (31) 33912505-6

Fax: +98 (31) 33912511

Email: isco@cc.iut.ac.ir

Website: http://iscoweb.iut.ac.ir



Isfahan University of Technology, Isfahan, Iran, 84156-83111 website: http://www.iscoweb.iut.ac.ir

email: isco@cc.iut.ac.ir tel: +98 (31) 33912505-6 fax: +98 (31) 33912511