Amirkabir University of Technology
Iran culturally rich country

Four campuses around Iran

- Tehran
- Garmsar
- Mahshahr
- Bandar Abbas
The University at a Glance

• **Opened**: 1958

• **Student Enrollment**:  
  - Undergraduates: 5,345  
  - Graduates: 8,239

• **Faculty**:  
  - 110 professors  
  - 526 (total staff)  
  - 10 Minister posts

• **Research (in 2015)**:  
  - 3495 Journal papers  
  - 1317 ISI Papers  
  - 205 billion Rials industrial project  
  - 63 patents  
  - 16 mega projects
Global Ranking

- **CWTS Leiden Ranking 2016**
  - Top university in Iran

- **Shanghai Academic of World University**
  - Between 150-200 Technological Universities
Academic Program

140 Credits + Project

BACHIELORS

B1  B2  B3  B4

Entrance Exam

8 Courses + Seminar + Thesis

MASTERS

M1  M2

Entrance Exam

6 Courses + Proposal + Dissertation

DOCTOR OF PHILOSOPHY

P1  P2  P3  P4

Entrance Exam

16

131

77
Faculty of Engineering

Aerospace Engineering
Biomedical Engineering
Chemical Engineering
Civil and Environmental Engineering
Computer Engineering and Information Technology
Electrical Engineering
Energy Engineering and Physics
Industrial Engineering and Management Systems
Marine Engineering
Mathematics and Computer Science
Mechanical Engineering
Mining and Metallurgical Engineering
Petroleum Engineering
Polymer Engineering and Color Technology
Textile Engineering
Faculty of Science

Pure Science
Physics
Chemistry
Mathematics

Social Science
Management, Science and Technologies
Different Programs

Conventional Undergrad and Grad Programs
- Bachelors
- Masters
- PhD

e-Learning
- Masters

English Programs
- Bachelors
- Masters
- PhD

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16 Centers of Excellence

- Biomedical Engineering
- Petrochemical Engineering
- Power Systems
- Radio Communications
- Energy and Control
- Textile Engineering
- Computational Aerospace
- Retrofitting & Optimization of Structures and Lifelines
- Thermo-Elasticity
- Strengthening and Optimization of Buildings, Virtual Structures, and Roads
- Biomechanics
- Interactive Fiber Structures and Environmental Enhancement
- Material Forming Processes
- Digital Processing Systems

Main AUT Research Streams

- Health
- Safety
- Water
- Environment
- Energy
Excellence in Research

24 Research Centers and Institutes
- Industrial Engineering and Productivity Research Center
- New Technologies Research Center
- Energy Research Center
- Advanced Textile Materials and Technology Research Institute
- Concrete Technology and Durability Research Center
- Information and Communication Technology Research Center
- Environment Research Center
- Institute of Oil, Gas and Petrochemical Research Institute
- Radiation Research Institute
- Iran Grid Secure Operation Research Centre
- Nanotechnology Research Institute
- Institute of Communication Technology & Applied Electromagnetics
- Seismology & Earthquake Research Center
- Color and Polymer Research Center
- Optics, Laser and Photonics Institute
- Intelligent Transportation Systems Research Institute
- Space Science and Technology Research Institute
- Futures Studies Research Institute
- Renewable Energy Research Center
- Research Center for Materials and Mining Industries Technology
- Vehicle Technology Research Institute
- APA Research Center
- Institute of Medical Detection Systems
- High Performance Computing Research Center
Entrepreneurship and Innovation

- Start-up weekend
- TEDx Tehran
- Idea Bazaar
AUT Iran’s high technology state

16 Mega Projects

• National level
• High budget level
• Close relation with industry
AUT Iran’s high technology state

List of Projects:

- Design of Spaceship Carrying Live Entities
- Development of 100-150 Passenger Aircraft
- National Electrical Intelligent Network
- Power System Protection Numerical Relay
- Intelligent Transportation System
- National Platform For Automobiles
- Small Cyclotron Design & Manufacturing
- South Pars Gas Field Integrated Management
- Underground Storage Of Gas And Oil
List of Projects:

- Satellite "Autsat"
- Design and Implementation of a Constellation of Telecommunication Satellites
- National Information Network
- National Cyber Defense Center
- Secure Software Base Platform
International Focus

- Memorandum of Understanding
- Joint Program
- Dual Degree
- Student Exchange
- International Internship
- Joint Supervision
- Joint Course
- Webinar

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Memorandum of Understanding

75 MOUs
From 24 Countries
4 Continents

North America: 3
South America: 1
Europe: 43
Asia: 28
Memorandum of Agreement

Dual Degree
- University Technology Malaysia, Malaysia
- University of Malaya, Malaysia
- Multi Media University, Malaysia
- University of Bayreuth, Germany
- University of Leuven, Belgium
- University of Groningen, Netherland
- Radboud University, Netherland
- Torino University, Italy
- University of Burgundy, France

Student Exchange
- Sungkyunkwan University, South Korea
- Santiago de Compostela, Spain
- Passau University, Germany
- Lodz university of Technology, Poland

Joint Supervision
- Eastern Mediterranean University, Cyprus
Joint Programs

Technical University of Delft, The Netherlands
PhD in Energy Management

Maastricht School of Management, The Netherlands
Doctorate in Business Administration Programs

Salzburg Management Business School, Austria
International Executive MBA

Passau University, Germany
Exchange of MSc students in IT and Computer Engineering

University of Leoben (Austria) and Freiberg University (Germany)
Triple Masters Degree in Mining Engineering

Paris Descartes University, France
Joint Masters program in Statistics
International Students

- 20% of International Students are Women

- 47% Bachelors, 43% Masters, 10% Doctorate

- Countries with the highest numbers of International Students:
  - NETHERLANDS: 1
  - BAHRAIN: 28
  - AFGHANISTAN: 51
  - PAKISTAN: 2
  - INDIA: 2
  - NIGERIA: 1
  - PALESTIN: 3
  - SYRIA: 115
  - IRAQ: 1
  - OMAN: 1
  - YEMEN: 3

- Years:
  - 2011: 4
  - 2012: 22
  - 2013: 54
  - 2014: 86
  - 2015: 158

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AUT’s Language Center

• AUT as the only school that offers it’s programs in English, recently started a language center for its international and national students the guidance of Dr. Mojtahedi.
• This centers offers both English and Farsi courses.
• Students participating in the English courses are prepared for the IELTS exam as well.
International Programs/Activities

German Funding Organizations/Institutions
   DAAD, AvH, DFG, Max Plank, Fraunhofer, GIZ

Erasmus Mundus
   Marhaba

Erasmus Plus
   Sustainability, Resilience, and Exclusiveness

AIESEC
   International Association of Students in Economic and Commercial Sciences

AUTEX
   Association of Universities of Textiles

EURAS
   Euras Eurasian Universities Union

IAU
   International Association of Universities

ASAIHL
   The Association of Southeast Asian Institutions of Higher Learning

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https://www.linkedin.com/edu/amirkabir-university-of-technology---tehran-polytechnic-13712

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