

YILDIZ TECHNICAL UNIVERSITY









Prof. Dr. Bahri ŞAHİN Rector

YILDIZ TECHNICAL UNIVERSITY

Founded in 1911, Yildiz Technical University occupies a prominent position among the universities and research institutions in Turkey. We offer an inspiring research environment and provide comprehensive education for our students, as well as creating jobs through the launch of spin-off enterprises. YTU is renowned for its excellent education, its cutting-edge fundamental research and its efforts to put new knowledge and innovations directly into practice. Our educational ethos is built on the premise that education can transform lives and unlock the potential of our students. This drives our commitment to excellence in teaching, learning and graduate outcomes – preparing our students to shape the world around them. At YTU, students are encouraged to engage with the university's research projects, many of which are incorporated into its teaching.

Our pioneering spirit is to form a globally connected network of education, research and industrial engagement. Teaching at Yildiz Technical University is always strongly informed by up-to-date research and driven by the latest scientific findings within from and outside the academia.

Global university at the heart of a historical city

Barzin .

....

YILDIZ CAMPUS



YILDIZ TECHNICAL UNIVERSITY IN NUMBERS

37.000+ STUDENTS

45 BACHELOR DEGREE PROGRAMS RICH IN HERITAGE AND CULTURE, **ESTABLISHED IN 1911**

ACADEMIC STAFF

YILDIZ TECHNICAL UNIVERSITY IS ONE OF THE **TOP RESEARCH** UNIVERSITIES IN THE COUNTRY

BPH.D PROGRAMS **143** PROGRAMS **70** STUDENT CLUBS

141.000+ PRINTED SOURCES **200.000+** SUBSCRIPTION **200.000+** E-SOURCES **45.000+** E-SOURCES

GREEN CAMPUSES LOCATED IN **THE HEART OF** ISTANBUL



3000+ ANNUAL NUMBER OF GRADUATES



Alumni Network System

With its long history and tradition, YTU has introduced a high quality of talented people to society. The university's alumni have been placed in leading sectors of society. Such positions include head positions of government organizations, high ranking officials,current prosecutors and CEOs

20 THEMATIC RESEARCH GROUPS

BENEFIT FROM OUR CONNECTIONS WITH INDUSTRY

Our academics are industry leaders who will inspire you and link you to the real world.

We believe in connecting you directly with industry partners through industry-based projects, internships and international opportunities.

28 RESEARCH AND APPLICATION CENTERS **300+** RESEARCH LABS

Faculties & Departments

FACULTY OF NAVAL ARCHITECTURE AND MARITIME DEPARTMENT OF NAVAL ARCHITECTURE & MARINE ENGINEERING

DEPARTMENT OF NAVAL ARGHITEGTORE & MARINE ENGINEERING DEPARTMENT OF MARINE ENGINEERING OPERATIONS

FACULTY OF MECHANICAL ENGINEERING

DEPARTMENT OF INDUSTRIAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING DEPARTMENT OF MECHATRONICS ENGINEERING

FACULTY OF ARCHITECTURE

DEPARTMENT OF ARCHITECTURE DEPARTMENT OF URBAN & REGIONAL PLANNING DEPARTMENT OF CONSERVATION & RESTORATION OF CULTURAL PROPERTY

FACULTY OF EDUCATION

DEPARTMENT OF COMPUTER EDUCATION & INSTRUCTIONAL TECHNOLOGIES DEPARTMENT OF ELEMENTARY EDUCATION DEPARTMENT OF TURKISH LANGUAGE EDUCATION DEPARTMENT OF FOREIGN LANGUAGES TEACHING DEPARTMENT OF EDUCATIONAL SCIENCES DEPARTMENT OF MATHEMATICS & SCIENCE EDUCATION

FACULTY OF ELECTRICAL AND ELECTRONICS ENGINEERINGONICS

DEPARTMENT OF COMPUTER ENGINEERING DEPARTMENT OF ELECTRICAL ENGINEERING DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING DEPARTMENT OF CONTROL & AUTOMATION ENGINEERING

FACULTY OF ARTS AND SCIENCE

DEPARTMENT OF WESTERN LANGUAGES & LITERATURE DEPARTMENT OF PHYSICS DEPARTMENT OF STATISTICS DEPARTMENT OF CHEMISTRY DEPARTMENT OF MATHEMATICS DEPARTMENT OF MOLECULAR BIOLOGY & GENETICS DEPARTMENT OF TURKISH LANGUAGE & LITERATURE

FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

DEPARTMENT OF ECONOMICS DEPARTMENT OF BUSINESS ADMINISTRATION DEPARTMENT OF POLITICAL SCIENCE & INTERNATIONAL RELATIONS

FACULTY OF CIVIL ENGINEERING DEPARTMENT OF CIVIL ENGINEERING DEPARTMENT OF ENVIRONMENTAL ENGINEERING DEPARTMENT OF GEOMATIC ENGINEERING

FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING

DEPARTMENT OF BIOENGINEERING DEPARTMENT OF FOOD ENGINEERING DEPARTMENT OF CHEMICAL ENGINEERING DEPARTMENT OF MATHEMATICAL ENGINEERING DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING

FACULTY OF ARTS AND DESIGN

DEPARTMENT OF COMMUNICATION DESIGN DEPARTMENT OF MUSIC & PERFORMING ARTS DEPARTMENT OF ART

FACULTY OF APPLIED SCIENCES DEPARTMENT OF AVIONICS

SCHOOL OF FOREIGN LANGUAGES BASIC ENGLISH MODERN LANGUAGES

DEPARTMENTS REPORTING TO RECTORATE

PRINCIPLES OF KEMALISM & MODERN TURKISH HISTORY TURKISH LANGUAGE INFORMATICS PHYSICAL EDUCATION

GRADUATE SCHOOLS

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING GRADUATE SCHOOL OF SOCIAL SCIENCES

SCHOOL OF NATIONAL PALACES & HISTORICAL BUILDINGS DEPARTMENT OF ARCHITECTURAL DESIGN

Graduate School of Science and Engineering

Department of Computer Engineering

Computer Engineering **MSc.** Computer Engineering **Non-Thesis MSc.** Information Technologies **Non-Thesis MSc.** Information Technologies **Non-Thesis MSc. (English)** Computer Engineering **Ph.D.**

Department of Avionics Engineering

Avionics Engineering MSc.

Department of Computer Education and Instructional Technologies

Computer Education and Instructional Technologies MSc.

Department of Bioengineering

Bioengineering **MSc.** Bioengineering **Non-Thesis MSc.** Bioengineering **Non-Thesis MSc. (English)** Bioengineering **Ph.D.**

Department of Biotechology

Biotechnology MSc.

Department of Environmental Engineering

Environmental Engineering **MSc.** Environmental Engineering **Ph.D.**

Department of Electrical Engineering

Electrical Power Systems MSc. Electrical Machines and Power Electronics MSc. Electrical Engineering MSc. Electrical Engineering Non-Thesis MSc. Electrical Engineering Non-Thesis MSc. (English) Electrical Engineering Ph.D. Electrical Power Systems Ph.D. Electrical Machines and Power Electronics Ph.D.

Department of Electronics and Communications Engineering

Electronics **MSc.** Telecommunications **MSc.**

Electronics and Communications Engineering Non-Thesis MSc. Electronics & Communications Engineering Non-Thesis MSc. Electronics & Communications Engineering Non-Thesis MSc. (English) Electronics Ph.D. Communication Ph.D.

Department of Energy Technologies

Energy Technologies **MSc.** Energy Technologies **Ph.D**.

Department of Industrial Engineering

Industrial Engineering **MSc.** Industrial Engineering **MSc. Evening Ed.** Engineering Management **MSc. Evening Ed.** Systems Engineering **MSc.** Occupational Safety Non-Thesis **MSc Evening Ed.** Occupational Safety and Occupational Health **Ph.D.** Industrial Engineering **Ph.D.**

Department of Physics

Physics **MSc.** Physics **MSc. (English)** Medical Radiation Physics Non-Thesis **MSc. Evening Ed.** Physics **Ph.D.** Physics **Ph.D. (English)**

Department of Naval Architecture and Marine Engineering

Naval Architecture and Marine Engineering **MSc.** Naval Architecture and Marine Engineering **Ph.D.**

Department of Food Engineering

Food Engineering **MSc.** Food Engineering **Non-Thesis MSc.** Food Engineering **MSc. (English)** Food Engineering **Ph.D.** Food Engineering **Ph.Dr**

Department of Geodesy and Photogrammetry Engineering

Remote Sensing and GIS **MSc.** Geomatics **MSc.** Real Estate Appraisal and Development Non-Thesis **MSc.** Remote Sensing and GIS **Ph.D.** Geomatics **Ph.D.**

Department of Mathematics and Science Education

Science Education Non-Thesis MSc. Evening Ed. Science Education Non-Thesis MSc. Science Education MSc. (English) Science Education MSc. Mathematics Education MSc. Science Education Ph.D.

Department of Civil Engineering

Geotechnical Engineering MSc. Hydraulics MSc. Mechanics MSc. Coastal and Port Engineering MSc. Transportation MSc. Structural Engineering MSc. Civil Engineering MSc. (English) Construction Management Non-Thesis MSc. Evening Ed. Geotechnical Engineering Ph.D. Hydraulics Ph.D. Mechanics Ph.D. Coastal and Port Engineering Ph.D. Transportation Ph.D. Structural Engineering Ph.D. Civil Engineering Ph.D. Civil Engineering Ph.D.

Department of Statistics

Statistics **MSc.** Statistics **Non-Thesis MSc Evening Ed.** Statistics **Ph.D.**

Department of Chemistry

Chemistry MSc. (English) Inorganic Chemistry MSc. Physical Chemistry MSc. Analytical Chemistry MSc. Organic Chemistry MSc. Biochemistry MSc. Chemistry Ph.D. (English) Inorganic Chemistry Ph.D. Physical Chemistry Ph.D. Analytical Chemistry Ph.D. Organic Chemistry Ph.D. Biochemistry Ph.D.

Department of Chemical Engineering

Chemical Engineering **MSc.** Chemical Engineering **Ph.D.**

Department of Control and Automation Engineering

Control and Automation Engineering MSc. Control and Automation Engineering Non-Thesis MSc. Evening Ed. Control and Automation Engineering Non-Thesis MSc. Evening Ed. (English) Control and Automation Engineering Ph.D.

Department of Mechanical Engineering

Energy MSc. Heat and Processing MSc. Manufacturing MSc. Construction MSc. Machine Theory and Control MSc. Automotive Engineering MSc. Mechanical Engineering Non-Thesis MSc Evening Ed. Railway Systems Non-Thesis MSc. Evening Ed. Energy Ph.D. Heat and Processing Ph.D. Manufacturing Ph.D. Construction Ph.D. Machine Theory and Control Ph.D. Automotive Engineering Ph.D.

Department of Mathematics

Mathematics MSc. Mathematics MSc. (English) Mathematics Ph.D. Mathematics Ph.D. (English)

Department of Mathematical Engineering

Mathematical Engineering MSc. Mathematical Engineering MSc. (English) Mathematical Engineering Non-Thesis MSc Evening Ed. Mathematical Engineering Non-Thesis MSc (English) Evening Ed. Mathematical Engineering Ph.D.

Department of Mechatronics Engineering

Mechatronics Engineering **MSc.** Mechatronics Engineering **Non-Thesis MSc (English) Evening Ed.** Mechatronics Engineering **Ph.D.**

Department of Metallurgical and Materials Engineering

Production **MSc.** Material **MSc.** Metallurgical and Materials Engineering Non-Thesis **MSc. Evening Ed.** Production **Ph.D.** Material **Ph.D.**

Department of Architecture

History and Theory of Architecture **MSc.** Architectural Design **MSc.** Housing Production and Construction Management **MSc.** Building Research and Planning **MSc.** Building Research and Planning **Non-Thesis MSc.** Building Research and Planning **Non-Thesis MSc. Evening Ed.** Computer Aided Architectural Design **MSc.** Building Physics **MSc.** Building **MSc.** Building Survey and Restoration **MSc.** Building Physics **Non-Thesis MSc.** History and Theory of Architecture **Ph.D.** Architectural Design **Ph.D.** Building Research and Planning **Ph.D.** Building Survey and Restoration **Ph.D.** Building Physics **Ph.D.** Computer Aided Architectural Design **Ph.D.** Building **Ph.D.**

Department of Molecular Biology and Genetics

Molecular Biology and Genetics **MSc.** Molecular Biology and Genetics **Ph.D.**

Department of Urban and Regional Planning

Urban Planning **MSc.** Urban Conservation and Planning **MSc.** Urban Transformation and Planning **MSc.** Spatial Organization and Design **MSc.** Landscape Planning **MSc.** Regional Planning **MSc.** Urban Planning **Ph.D.**

Graduate School of Social Sciences

Department of Principles of Atatürk and History of Modern Turkey

Principles of Atatürk and History of Modern Turkey **MA** Principles of Atatürk and History of Modern Turkey **Ph.D.**

Department of Western Languages and Literatures

Translation and Interpreting (French) **MA** Interlingual and Intercultural Translation Studies **Ph.D.**

Department of Educational Sciences

Curriculum and Instruction MA Educational Administration MA Guidance and Psychological Counselling MA Curriculum and Instruction Non-Thesis MA Educational Administration Non-Thesis MA Guidance and Psychological Counselling Non-Thesis MA Curriculum and Instruction Ph.D. Guidance and Psychological Counselling Ph.D.

Economics

Economics MA Economics MA (English) Modern Monetary Economics Non-Thesis MA Economics Ph.D. Economics Ph.D. (English)

Business Administration

Business Administration MA Human Resources Management MA Innovation, Entrepreneurship and Management MA Business Administration Non-Thesis MA Human Resources Management Non-Thesis MA Innovation, Entrepreneurship and Management Non-Thesis MA Business Administration Ph.D.

Humanities and Social Sciences

Philosophy MA Humanities and Social Sciences MA (English) Sociology MA History MA Philosophy Ph.D. (English) Cultural Studies Ph.D. (English)

Art and Design

Music and Performing Arts **MA** Art and Design **MA** Interactive Media Design **MA** Museology **MA** Music and Performing Arts **Ph.D.** Art and Design **Ph.D.** Qualification in Art **Ph.D.**

Political Sciences and International Relations

Political Sciences and International Relations **MA** Political Sciences and International Relations **Ph.D.**

Turkish Language and Literature

Old Turkish Language **MA** Turkish Literature **MA** Turkish Language and Literature **Ph.D.**

Primary Education

Preschool Education **MA** Primary School Education **MA** Primary School Education **Non-Thesis MA**

Turkish and Social Sciences Education

Turkish Language Education MA Social Sciences Education MA Teaching Turkish to Foreigners MA Teaching Turkish to Turkish Children Abroad MA Turkish Language Education Non-Thesis MA Social Sciences Education Non-Thesis MA Teaching Turkish to Foreigners Non-Thesis MA Turkish Language Education Ph.D.

Foreign Language Education

English as a Foreign Language **MA** English as a Foreign Language **Non-Thesis MA**







Undergraduate



*YTUYOS minimum score of 55 out of 100 point is required.

*SAT total score of 1200 out of 1600 is required. 640 out of 800 point is required from SAT Math section.

*These are the lowest required scores to make an application to undergraduate programs at YTU.

*English proficiency exam scores provide exemption from the English Preparatory Program.

*For further information, please visit **www.admissions.yildiz.edu.tr**

Postgraduate Graduate School of Science and Engineering MASTER of SCIENCE PROGRAMS



*If you are applying to a Turkish program, then a Turkish proficiency exam (TOMER) score, minimum C1 level, and given by a state university in Turkey or by Yunus Emre Enstitüsü is required apart from the requirements stated below. Candidates will be required to submit a minimum B1 level TOMER certificate if they are admitted to a program whose medium of instruction is 100 % English.



PhD PROGRAMS

For further information, please visit www.fbe.yildiz.edu.tr

Postgraduate Graduate School of Social Sciences MASTER of ART PROGRAMS





Innovation & Research

Our research brings together talented, passionate and dedicated people as they strive to make discoveries that have a real impact on lives and societies across the world.



Laboratory Information System

Yildiz Technical University (YTU) has been founded so as to provide a user interface for our national and international shareholders with increased cooperative opportunities by facilitating access to the facilities and the capacity of YTU and with a listing of the industrial services provided.

The system is open to all internal and external shareholders of YTU along with all YTU staff and by selecting the relevant category on the main page and inserting "Keyword(s)", the relevant information regarding the laboratory, test, devices and software can be obtained. On the other hand, one can easily contact the relevant faculty member at the laboratory profile about the tests-experimentsanalyses and measurements. https://labsis.yildiz.edu.tr/



Thematic Research Groups

Enerav Technologies Automative Technologies Defence Technologies Healthcare Technologies Food/Agriculture Technologies Information and Communication Technologies Industry 4.0 -**Manufacturing Technologies Education Technologies** Nano / Micro / Opto Electronics and Semiconductor Technologies Sustainable Environmental Management Technologies **Advanced Technology Materials Genetics and Biotechnology Polymer** Big Data Naval Architecture and Maritimes **Transportation / Smart Transportation Systems Smart Cities Robots and Smart Systems Modelling and Simulation** Aviation and Space **Economics and Social Research**



Research Centers

Management of Tourism Areas Application and Research Centre Centre for the Protection of Historical Heritage Vedat Kosal Music Application and Research Centre Natural Sciences Research Centre Turkey Social and Economic History Research Centre International Centre for Urban Studies- ICUS **Transportation Application and Research Centre** Balkan Centre for Advanced Casting Technologies Strategic Research Centre Yildiz Technical University Continuing Education Centre **Research and Application Centre for Settlement and Architectural Sciences** Atatürk Principles and the History of Revolution Application and Research Centre Application and Research Centre for Industrial Relations Application and Research Centre for Balkan and Black Sea Studies Istanbul Historical Peninsula Application and Research Centre **Energy Application and Research Centre** Scientific and Technological Application and Research Centre **Distance Education Application and Research Centre** Turkish and Foreign Languages Application and Research Center Finance, Corporate Management and Sustainability Application and Research Center **Vocational Education Application and Research Center** Sultan II. Abdulhamid Application and Research Center Maritime Application and Research Center Membrane Materials and Technology Application and Research Center **YTU Statistics Application and Research Center**



Research University: Innovative Brainpower

Bepoliga

AISIN

apoligor

PCAM

The students can make new discoveries, and take the opportunity to put their knowledge to practice with our distinguished academic staff



Here at YTU, we have a standing for transformative and world-class research. Our multidisciplinary and collaborative approaches deliver sustainable solutions to global challenges.

≓SK





Robotics and Automation Club came 3rd in the competition with Automatic Cloakroom project in Germany.

She

29



Ae2 Project won the Safety Award in 30th Shell Eco-marathor

351 =

We aim at enriching the lives of our students by by engaging them to involve in projects encompassing all walks of art in the fields of arts and architecture.



defence industry, civil work and food industry.









Research and Development Facilities



Yıldız Technology Transfer Office aims to form efficient university-industry relations and supports research activities within the scope of industry. Information, training, project support, co-operation, intellectual property rights, entrepreneurship and incorporation are in the scope of YTU TTO's activities. Serving academicians, industry, entrepreneurs and students, Yıldız TTO has corporate communication, project support, university-industry cooperation, intellectual property rights and entrepreneurship units.



Yıldız Incubation is an incubation and acceleration program that provides office, infrastructure, training, mentoring services to entrepreneurs with innovative ideas from business idea to corporation, from commercialization to investment.



STARCAMP is "the first Turkish oriented incubation center" at Silicon Valley, Palo Alto. It has been established with the support of KOSGEB, which is taken together with five universities; Yıldız Technical University, Istanbul Technical University, Gebze Technical University, Hasan Kalyoncu University and Bahcesehir University.



Yıldız Prototype Workshop provides manufacturing support to entrepreneurs, academicians and students who want to turn their ideas into products. Being the first prototype workshop in Turkey, it has 3D Printer, CNC Router, CNC Milling, CNC Lathe, Lathe, Milling, Drill, Bandsaw, Gas Welding Machine, Hydraulic Press, Profile Cutting, Tapping Machine, Oscilloscope, Power Supply, Signal Generator, Soldering Iron Machine, Surface Grinding, NC Plunge Table.



Welcoming students from all over the world


WHEN YOU CHOOSE TO STUDY AT YTU, YOU'LL HAVE THE OPPORTUNITY TO GO ON EXCHANGE.

THE WIDE RANGE OF INTERNATIONAL STUDENT MOBILITY PROGRAMS

AVAILABLE AT YTU WILL PROVIDE ENDLESS OPPORTUNITIES FOR YOU TO ADD VALUE TO YOUR DEGREE PROGRAM AND HELP YOU STAND OUT FROM THE CROWD AS A GRADUATE.

www.ytuinternational.yildiz.edu.tr

YTU International Relations a global experience

INTERNATIONAL PARTNERS 59 countries 820 agreements 405 partners

OVER **1600** YTU STUDENTS HAVE GONE ON EXCHANGE IN THE LAST THREE YEARS

OVER 500

INCOMING EXCHANGE

STUDENTS

2000+ FOREIGN STUDENTS FROM 100+ COUNTRIES

> NEARLY €1.5 MILLION IN THE TRAVEL BURSARIES AND SCHOLARSHIPS AWARDED ANNUALLY

39

Campus Life



Student Clubs

At Yildiz Technical University, there are 70 official student clubs and extracurricular activity groups in a wide range of areas including arts, sports and culture. The clubs range from those with a long tradition at the university to those more connected with contemporary culture, and all are run by the students themselves. The university supports these activities within the scope of nurturing individuals with the spirit of autonomy and self-reliance.



Student Clubs

Alternative Energy Systems Club Board of European Students of Technology Club Science and Mathematics Club **Environmental Society Club** Child and Education Club **Climbing Club Digital Game Development and Digital Gaming Club Education and Informatics Technologies Club Economics Club** Photography Club Naval Architect and Maritime Club **Entrepreneurship Club** Food and Healthy Nutrition Club **Animal Rights Club IEEE Club Business Club Quality and Productivity Club Chemistry Technologies Club Machine Technologies Club** Music Club **Robotics and Automation Club** Wind Power Club Chess Club

Material Sciences Club Cinema Club Social Responsibility Club Sports Club **History and Civilization Club Design Club Theater Club** International Intern Exchange Club **Construction and Architecture Club** Sailing Club Green Crescent Club Yildiz Erasmus Club Intelligence and Mind Games **Biotechnology and Genetics Club Geoinformatics Club Quidditch Club Travel and Camping Club Psychological Counselling Club Red Crescent Club Turkish Music Club** Astronomy Club **Biking Club Physics Club**

Youth Career Development Club **Material Design Club Multidisciplinary Innovation Technologies Club** Model Aircraft Design and Training Club Motorcycle Club **Archery Club SKYLAB Club** SPARK Club **Underwater Sports Club** International Student Club Foreign Languages and Translation Club Space and Avionic Systems Club Science Fiction and Fantastic Club 1002 Poetry and Tale Club **Project Development and Techniques Club** Language Workshop Club **Electrical Power Systems** Awareness and Ombudsman Club Innovation and Development Club **Traditional Arts Club** Lagari UAV Team Medical Technology Club



Get involved Life outside classroom

Yildiz Technical University offers a broad variety of art and cultural activities in a vivid social environment.



SOCIAL FACILITIES

LIBRARY **CONFERENCE HALLS** HEALTH CENTER FOOD COURTS DORMITORIES YTU SCHOLARSHIP UNIT **DISABILITY SUPPORT UNIT** MINI MOVIE THEATER **STUDENT COUNCIL STUDENT CLUBS SPORTS FACILITIES** YILDIZ ÇATI RESTAURANT **YILDIZ HİSAR RESTAURANT**

Martry.Prof. Dr. İlhan Varank Library Davutpaşa Campus















CULTURAL/COSMOPOLITAN/CIHARMING & LIVELY

This is one of the greatest cities in the world where you can see a modern western city combined with a traditional eastern city.





Take your part in the future

50





YILDIZ TECHNICAL UNIVERSITY

www.yildiz.edu.tr/en f 🛩 🎯 🏧 / Yildiz.Edu Yildiz.teknik Universitesi