



MIDDLE EAST TECHNICAL UNIVERSITY

[http:// www.metu.edu.tr](http://www.metu.edu.tr)



MIDDLE EAST TECHNICAL UNIVERSITY

“Together, we can change the world”



MIDDLE EAST TECHNICAL UNIVERSITY

TURKEY@ A GLANCE

- Turkey is a **transcontinental** country in Eurasia, mainly in Anatolia in Western Asia, with a smaller portion on the Balkan peninsula in Southeast Europe. It is an attractive destination that connects Asia and Europe.



TURKEY@ A GLANCE

- The country is encircled by seas on three sides: the **Aegean** Sea, the **Black** Sea and the **Mediterranean** Sea.
- Its diverse cultural heritage, famous food, vast history and its popular destinations like Istanbul with its Byzantine and Ottoman glories, Ephesus, Cappadocia, Pamukkale, Antalya, etc. attract all who visit here.



ANKARA @ A GLANCE

Turkey's capital city, Ankara, is an appealing, modern city, home to government buildings, commercial businesses, universities and foreign embassies.

The city itself offers a lively arts and culture scene with a large concentration of museums, including the Museum of Anatolian Civilizations.

Located right in the center of the country and the Anatolia region, Ankara is an important transportation hub, linking travelers to other major destinations in Turkey.



METU @ A GLANCE



MIDDLE EAST TECHNICAL UNIVERSITY

METU @ A GLANCE

METU has three Campuses:

- Main Campus,
Ankara
(founded in 1956)
- Erdemli Campus,
Mersin
(1975)
- Northern Cyprus Campus,
Kalkanlı
(2000)



2017-2021 METU Mission

METU's mission is to attain excellence in research, education and public service for society, humanity and nature, in an environment nurturing creative and critical thinking, innovation, leadership, and universal values.



2017-2021 METU Vision

A leading international university that transforms its region and the world.



METU @ A GLANCE

- Turkey's premier state university
- Established with an international mandate
 - “Middle East Technical University “
 - English as the medium of instruction at all levels



MIDDLE EAST TECHNICAL UNIVERSITY

METU *in NUMBERS* (2016-2017)

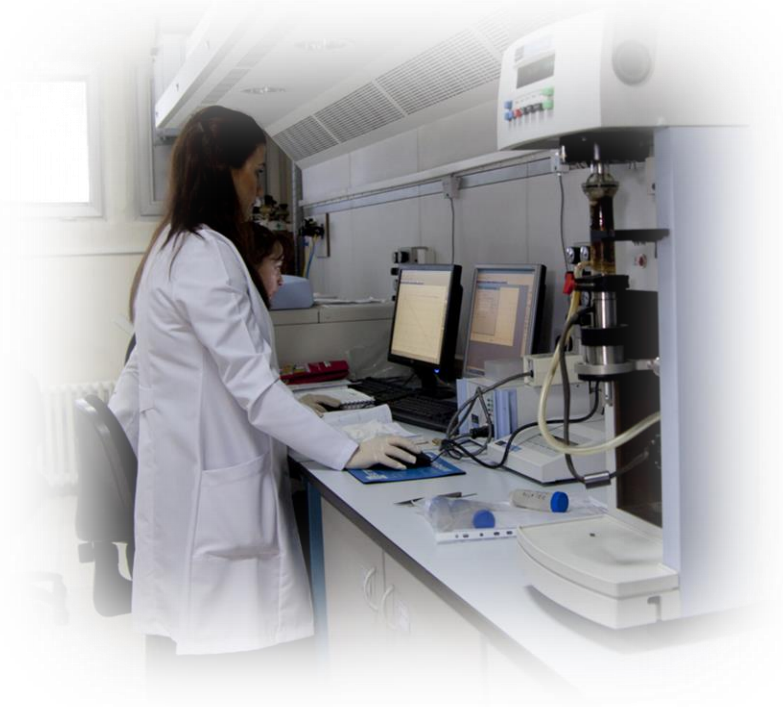
- **30,000+ students:**
 - 21,000+ undergraduate and
 - 8,500+ graduate students
- 1,250 full-time teaching **faculty** members (2,600 inc. research staff)
- 5 Faculties offering **42 undergraduate** degree programs
- 5 Institutes offering **107 Master's** and **69 Ph.D.** programs
- **29** Interdisciplinary Research Centers



METU ANKARA CAMPUS

Undergraduate education at METU Ankara:

- Faculty of **Engineering**
(13 departments)
- Faculty of **Arts & Sciences**
(9 departments)
- Faculty of **Econ. and Admin. Sciences** (4 departments)
- Faculty of **Architecture**
(3 departments)
- Faculty of **Education**
(6 departments)



METU ANKARA CAMPUS

Undergraduate Education

FACULTIES

Architecture	Arts and Sciences	Economics and Administrative Sciences
Architecture	Biology	Business Administration
City and Regional Planning	Chemistry	Economics
Industrial Design	History	International Relations
	Mathematics	Political Science and Public Administration
	Molecular Biology and Genetics	Bussiness Administration (METU-SUNY Binghamton)
	Philosophy	Global and International Affairs (METU-SUNY Binghamton)
	Psychology	
	Physics	
	Psychology	
	Sociology	
	Statistics	

METU ANKARA CAMPUS

FACULTIES

Engineering	Education
Aerospace Engineering	Computer Education and Instructional Technology
Chemical Engineering	Educational Sciences
Civil Engineering	Elementary Education
Computer Engineering	Foreign Language Education
Electrical and Electronics Engineering	Physical Education and Sports
Engineering Sciences (no UG program)	Secondary Science & Math. Education
Environmental Engineering	English Language Teaching (METU-SUNY)
Food Engineering	
Geological Engineering	
Industrial Engineering	
Mechanical Engineering	
Metallurgical and Materials Engineering	
Mining Engineering	
Petroleum and Natural Gas Engineering	

METU ANKARA CAMPUS

Graduate Education at METU Ankara

- Institute of Natural and Applied Sciences
- Institute of Social Sciences
- Institute of Informatics
- Institute of Applied Mathematics
- Institute of Marine Sciences (Erdemli Campus)



Graduate Programs

Natural and Applied Sciences

• Aerospace Engineering	M.S. (1)	Ph.D.
• Archaeometry	M.S. (1,2)	Ph.D.
• Architecture	M.ARCH. (1)	Ph.D.
• Biochemistry	M.S. (1)	Ph.D.
• Biology	M.S. (1)	Ph.D.
• Biomedical Engineering	M.S. (1)	Ph.D.
• Biotechnology	M.S. (1)	Ph.D.
• Building Science	M.S. (1)	Ph.D.
• Cement Engineering	M.S. (2)	
• Chemical Engineering	M.S. (1)	Ph.D.
• Chemistry	M.S. (1)	Ph.D.
• City and Regional Planning	Ph.D.	
• City Planning	M.C.P. (1)	
• Civil Engineering	M.S. (1)	Ph.D.

** Degrees Offered: (1) With thesis, (2) Without thesis, (3) Evening program without thesis*



Graduate Programs

Natural and Applied Sciences

- Computational Design and Fabrication Technologies in Architecture
METU - TU Delft International Joint Master of Science Program M.S. (1)
- Computer Education and Instructional Technology M.S. (1) Ph.D.
- Computer Engineering M.S. (1,3) Ph.D.
- Conservation of Cultural Heritage M.S. (1) Ph.D.
- Design for Interaction
METU - TU Delft International Joint Master of Science Program M.S. (1)
- Earthquake Studies M.S. (1)
- Earth System Science M.S. (2) Ph.D.
- Electrical and Electronics Engineering M.S. (1) Ph.D.
- Engineering Management M.S. (3)
- Engineering Sciences M.S. (1) Ph.D.
- Environmental Engineering M.S. (1) Ph.D.
- Environmental Management M.S. (3)



Graduate Programs

Natural and Applied Sciences

▪ Food Engineering	M.S. (1)	Ph.D.
▪ Geodetics - Geographical Information Technologies	M.S. (1)	Ph.D.
▪ Geological Engineering	M.S. (1)	Ph.D.
▪ Hydrosystems Engineering	M.S. (3)	
▪ Industrial Design	M.S. (1)	Ph.D.
▪ Industrial Engineering	M.S. (1)	Ph.D.
▪ Mathematics	M.S. (1,2)	Ph.D.
▪ Mechanical Engineering	M.S. (1)	Ph.D.
▪ Mechanical Design and Manufacturing	M.S. (3)	
▪ Metallurgical and Materials Engineering	M.S. (1)	Ph.D.
▪ Micro and Nanotechnology	M.S. (1)	Ph.D.
▪ Mining Engineering	M.S. (1)	Ph.D.
▪ Molecular Biology and Genetics	M.S. (1)	Ph.D.
▪ Neuroscience and Neurotechnology		Ph.D.
<i>METU-Hacettepe University Joint Degree Program</i>		
▪ Occupational Health and Safety	M.S. (1) (2)	
▪ Operational Research	M.S. (1)	Ph.D.
▪ Petroleum and Natural Gas Engineering	M.S. (1)	Ph.D.
▪ Physics	M.S. (1)	Ph.D.



Graduate Programs

Natural and Applied Sciences

▪ Polymer Science and Technology	M.S. (1)	Ph.D.
▪ Regional Planning	M.C.P. (1)	
▪ Secondary Science and Mathematics Education	M.S. (1,2)	Ph.D.
▪ Software Engineering	M.S. (3)	
▪ Statistics	M.S. (1) (2)	Ph.D.
▪ Structural Mechanics	M.S. (3)	
▪ Urban Design	M.C.P. (1)	



METU ANKARA CAMPUS

Graduate Education at METU Ankara

- Institute of Natural and Applied Sciences
- Institute of Social Sciences
- Institute of Informatics
- Institute of Applied Mathematics
- Institute of Marine Sciences (Erdemli Campus)



Graduate Programs

Social Sciences

▪ Area Studies		Ph.D.
▪ Asian Studies	M.S. (2)	
▪ Business Administration	M.B.A. (1,2)	Ph.D.
▪ Curriculum and Instruction	M.S. (1)	Ph.D.
▪ Early Childhood Education	M.S. (1)	
▪ Economics	M.S. (1,2)	Ph.D.
▪ Educational Administration and Planning	M.S. (1)	Ph.D.
▪ Educational Sciences	M.S. (1)	Ph.D.
▪ Elementary Education		Ph.D.
▪ Elementary Science and Mathematics Education	M.S. (1)	
▪ English Language Teaching	M.A. (1)	Ph.D.
▪ English Literature	M.A. (1)	Ph.D.
▪ Eurasian Studies	M.A. (1,2)	
▪ European Integration	M.S. (3)	
▪ European Studies	M.S. (1,2)	
▪ Executive MBA	M.B.A. (3)	
▪ Family Psychology	M.S. (3)	
▪ Guidance and Psychological Consultancy	M.S. (1)	Ph.D.



Graduate Programs

Social Sciences

▪ Gender and Women's Studies	M.S. (1,2)	
▪ German-Turkish Social Sciences (METU - Humboldt Dual Degree Program)	M.A. (2)	
▪ History	M.S. (1)	Ph.D.
▪ History of Architecture	M.A. (1)	Ph.D.
▪ Human Resources Development in Education	M.A. (3)	
▪ Industrial and Organizational Psychology	M.S. (2)	
▪ International Relations	M.S. (1,3)	Ph.D.
▪ Latin and North American Studies	M.S. (1,2)	
▪ Media and Cultural Studies	M.S. (1,2,3)	
▪ Middle East Studies	M.S. (1,2)	
▪ Philosophy	M.A. (1)	Ph.D.
▪ Physical Education and Sports	M.S. (1)	Ph.D.
▪ Political Science and Public Administration	M.S. (1,2)	Ph.D.
▪ Psychology	M.S. (1)	Ph.D.
▪ Science and Technology Policy Studies	M.S. (1,2)	Ph.D.
▪ Settlement Archaeology	M.S. (1)	Ph.D.
▪ Social Anthropology	M.S. (1)	
▪ Social Policy	M.S. (1,2)	
▪ Sociology	M.S. (1,2)	Ph.D.
▪ Urban Policy Planning and Local Governments	M.S. (1,2)	Ph.D.



METU ANKARA CAMPUS

Graduate Education at METU Ankara

- Institute of Natural and Applied Sciences
- Institute of Social Sciences
- Institute of Informatics
- Institute of Applied Mathematics
- Institute of Marine Sciences (Erdemli Campus)



Graduate Programs

Informatics

▪ Bioinformatics	M.S. (1)	
▪ Cognitive Sciences	M.S. (1)	
▪ Cyber Security	C.M.S (1,2)	
▪ Game Technologies	M.S. (1)	
▪ Informatics On-line	M.S. (3)	
▪ Information Systems	M.S. (1,2)	Ph.D.
▪ Medical Informatics	M.S. (1,2)	Ph.D.
▪ Modeling and Simulation	M.S. (3)	
▪ Software Management	M.S. (3)	
▪ Work Based Learning (<i>METU-Middlesex Joint Master Programme</i>)	M.S. (3)	



METU ANKARA CAMPUS

Graduate Education at METU Ankara

- Institute of Natural and Applied Sciences
- Institute of Social Sciences
- Institute of Informatics
- Institute of Applied Mathematics
- Institute of Marine Sciences (Erdemli Campus)



Graduate Programs

Applied Mathematics

- | | | |
|-------------------------|------------|-------|
| ▪ Actuarial Sciences | M.S. (1,2) | |
| ▪ Cryptography | M.S. (1,2) | Ph.D. |
| ▪ Financial Mathematics | M.S. (1,2) | Ph.D. |
| ▪ Scientific Computing | M.S. (1) | Ph.D. |



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Graduate Education at METU Ankara

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- Institute of Social Sciences
- Institute of Informatics
- Institute of Applied Mathematics
- Institute of Marine Sciences (Erdemli Campus)



METU ERDEMLİ CAMPUS

Marine Sciences

1. Oceanography

M.S.

Ph.D.

- Chemical Oceanography
- Physical Oceanography
- Ocean-Atmosphere Interactions
- Biogeochemical and Ecosystem Modelling
- Marine Biodiversity and Functioning
- Geological Oceanography
- Polar Oceanography



2. Marine Biology and Fisheries

M.S.

Ph.D.

3. Marine Geology and Geophysics

M.S.

Ph.D.



METU **NORTHERN CYPRUS** CAMPUS



MIDDLE EAST TECHNICAL UNIVERSITY



METU NORTHERN CYPRUS CAMPUS

- It is the first overseas campus founded by a Turkish university
- All programs at METU NCC meet the academic standards of METU
- Students receive METU diplomas approved by the University Senate



MIDDLE EAST TECHNICAL UNIVERSITY



METU NORTHERN CYPRUS CAMPUS

Undergraduate degree programs

Economic and Administrative Sciences

- Business Administration
- Business Administration (Joint Undergraduate Program with SUNY New Paltz)
- Economics
- Political Science and International Relations

Engineering

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering
- Petroleum and Natural Gas Engineering

Education/Humanities

- Computer Education and Instructional Technology
- Guidance and Psychological Counseling
- Teaching English as a Foreign Language
- Psychology

Architecture (in progress)



METU NORTHERN CYPRUS CAMPUS

Graduate Programs

- | | |
|---|------|
| ▪ Political Science and International Relations | M.S. |
| ▪ Sustainable Environment and Energy Systems | M.S. |
| ▪ English Language Teaching (TEFL) | M.A |
| ▪ Electrical and Electronics Engineering (EEE) | M.S |
| ▪ Computer Engineering (in progress) | M.S |



METU STRENGTHS



MIDDLE EAST TECHNICAL UNIVERSITY

THE ADVANTAGES OF ERASMUS/EXCHANGE SEMESTER AT METU



- ☐ Turkey's premier state university established with an international mandate
- ☐ English as the medium of instruction at all levels and all programs
- ☐ Exchange students are allowed to take any course from any department depending upon the confirmation of the instructors
- ☐ On-campus dormitories are offered for all Exchange students
- ☐ A green and diverse campus
- ☐ Variety of sport facilities, student clubs, sport teams and social activities
- ☐ A comprehensive orientation program for Exchange students
- ☐ An active ESN branch organizing many activities for Exchange students



METU STRENGTHS

Human Resources & Education

- **World-class faculty** with Ph.D. degrees earned from most prominent universities— majority (70%) from institutions abroad
- Majority of METU undergraduate students received from the top 1% of 2,000,000+ applicants taking the National University Entrance Examination every year
- Highly qualified body of **graduate students**
- Dedicated and well-qualified administrative staff
- More than 130,000 committed **alumni** organized under 40 (18 national and 22 international) alumni associations



METU STRENGTHS

An Innovative University

Numerous “first”s and innovations introduced to the Turkish higher education and research area. Several examples:

- First Turkish university to use **English as medium of instruction**
- First Turkish university **built on a campus**
- First Turkish university to use department, semester, and credit system
- **First Internet Service Provider (ISP)** in Turkey (still serving as the DNS authority)
- **Pioneering Technopark** in Turkey
- First Campus Abroad (Northern Cyprus Campus)
- Establishment of first University Central Lab
- First & only Turkish University in top 100 universities in international rankings (THE:2014-2015)
- First Confucius Center in Turkey
- Creation of Faculty Development Program (FDP) Network



METU STRENGTHS

A “Most Trusted Institution”

Community outreach and social responsibility have always been part of METU mission.

- Creation of 35 km² of **forested area** on METU Ankara Campus, an initiative that received the “The Aga Khan Award” (1995)
- **Student Associations** leading the nation in community outreach programs
- **METU Science and Society Initiative** – Science and Technology Museum
- Most extensive **student scholarship program** in the nation
- Public and private sector institutions seeking **counseling and consultancy** from METU as the most reliable source of information and solution partner

→ Independent public opinion surveys rate METU among the most trusted/relied upon institutions in society



METU STRENGTHS

An Interdisciplinary, Green and Diverse Campus

- The campus area is 4500 hectares (45 km²) with a **forest area** of 3043 hectares (35 km²)
- Departments representing **different disciplines** located in close proximity on the same campus (**a comprehensive university**)
- Availability of “**minor**” and “**double-major**” **programs**, and elective courses from other disciplines
- Wide spectrum of **interdisciplinary graduate programs** and research centers
- Students and academics from all parts of Turkey and **more than 80 countries**



METU STRENGTHS

Sport Facilities, Teams and Communities

- Wealth of sports, cultural, arts events as well as scientific and professional meetings (METU rated as “Turkish University with **Richest Social Life**” by Newsweek-Turkey magazine)
- 95 student clubs and 33 sport teams
- Over 1000 cultural, sports and arts events per year





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METU STRENGTHS



An International University

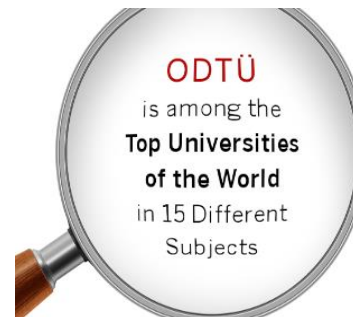
- Approximately **2,300 international degree students** at Ankara and Cyprus campuses
- More than **1,000 international** applications each year
- All engineering programs are approved by the US-based Accreditation Board for Engineering and Technology (ABET)
- Extensive experience of **collaboration with universities** abroad:
 - high degree of participation in Exchange and Erasmus+ programs with 700+ agreements with a wide range of European universities in various subjects
 - and about 300 agreements worldwide (excluding Erasmus)



METU STRENGTHS

An International University

- Offering **23 joint-degree programs** in collaboration with universities abroad (4 undergraduate and 19 graduate degree programs with universities in US and Europe) as well as one joint PhD degree with Hacettepe University
- METU rated among the **top world universities in several fields/rankings** (QS, Times Higher Education, Leiden, Webometrics, URAP, and others) over the years
- METU ranked as the **top university in Turkey** in **engineering and technology, basic sciences, and social sciences** (HEAACT, QS, URAP, and others)





MIDDLE EAST TECHNICAL UNIVERSITY

JOINT DEGREE PROGRAMS@METU

UNIVERSITY PARTNER	COUNTRY	NAME OF JOINT PROGRAM	PROGRAM LEVEL
SUNY Binghamton University	USA	Global and International Affairs	Undergraduate
SUNY Binghamton University	USA	Business Administration	Undergraduate
SUNY New Paltz University	USA	Business Administration	Undergraduate
SUNY New Paltz University	USA	Foreign Language Education/Liberal Studies	Undergraduate
Humboldt University	GERMANY	Social Sciences (Turkish-German)	Master's
Middlesex University	ENGLAND	Work Based Learning	Master's
Eindhoven University of Technology	HOLLAND	Industrial Engineering	Master's
TU Delft	HOLLAND	Design for Interaction	Master's
TU Delft	HOLLAND	Computational Design and Fabrication Technologies in Architecture	Master's

JOINT DEGREE PROGRAMS (cont.)

UNIVERSITY PARTNER	COUNTRY	NAME OF JOINT PROGRAM	PROGRAM LEVEL
The Rose School of the Institute for Advanced Study of Pavia The University Joseph Fourier-G I The University of Patras	ITALY FRANCE GREECE	Earthquake Engineering and Engineering Seismology	Master 's
University of Poitiers-ENSMA	FRANCE	Aerospace Engineering	Doctoral
University of Orleans	FRANCE	Aerospace Engineering	Doctoral
Universite Paul Sabatier (Toulouse)	FRANCE	Biology	Doctoral
Claude Bernard Lyon University	FRANCE	Biotechnology	Doctoral
INSA of Lyon (Institut National des Sciences Appliquees de Lyon)	FRANCE	Chemical Engineering	Doctoral
Ecole Nationale Superieure des Mines de Paris	FRANCE	Civil Engineering	Doctoral
University Bordeaux 1	FRANCE	Food Engineering	Doctoral
Univers.Louis Pasteur- Strasbourg I	FRANCE	Mathematics	Doctoral
Lumiere Lyon 2 University	FRANCE	International Relations	Doctoral
Technical University of Eindhoven	HOLLAND	Chemical Engineering	Doctoral
Carnegie Mellon University	USA	Civil Engineering	Doctoral
Carnegie Mellon University	USA	Environmental Eng.	Doctoral



MIDDLE EAST TECHNICAL UNIVERSITY

METU STRENGTHS

Human Resources in Research

- Ratio of graduate students to total: 30 %
- Research revenues accounting for over 35 % of all METU expenditures annually (including all payroll costs)
- Ph.D. Degrees granted per year: 270+



MIDDLE EAST TECHNICAL UN



METU STRENGTHS

Research

METU researchers carry out a wide spectrum of national and international research projects (FP6, FP7, H2020, Erasmus+, LLP, Newton Fund, Bilateral Cooperation, COST, EUREKA, MEDA, NATO, NSF, UN, World Bank, Jean Monnet).

* Strong position in Turkey in terms of depth and breadth of research projects

- nearly 1000 completed and on-going national research projects (TÜBİTAK) with a budget of 417 M TL (about 100 M€)
- 167 completed and on-going EU-funded research projects (FP5, FP6, FP7, H2020) with a total budget of 620 M€ and METU share of 35 M€
- 147 completed and on-going other internationally-funded projects with a total budget of nearly 75 M€ and METU share of 9 M€

* METU's national stance has paved the way of METU taking part in the founding of the Alliance of Turkish Research Universities (ALTRU)



METU STRENGTHS

EU Funds

Premier university in Turkey in terms of EU Framework Programmes (FP5, FP6, FP7, H2020) participation

FP7

University	Project #	Budget (wrt)
METU*	85	16.369.824,34 €
Koç	59	14.453.622,11 €
Bilkent	45	12.253.072,58 €
Boğaziçi	47	8.738.106,03 €
İTÜ	46	6.957.137,98 €
Sabancı	48	6.386.587,22 €

* METU has a share of about **9% of all EU research funds brought to Turkey** and **19% of the total Turkish university participation in FP7**.



METU STRENGTHS

National Funds

* Premier university in Turkey in terms of TÜBİTAK ARDEB Programmes participation

University	Project #	Budget (wrt)
METU*	376	122.434.488,00 ₺
Bilkent	275	121.310.605,00 ₺
İTÜ	382	93.832.468,00 ₺
Sabancı	194	57.387.942,00 ₺
Koç	196	44.080.407,00 ₺
Boğaziçi	181	43.831.718,00 ₺

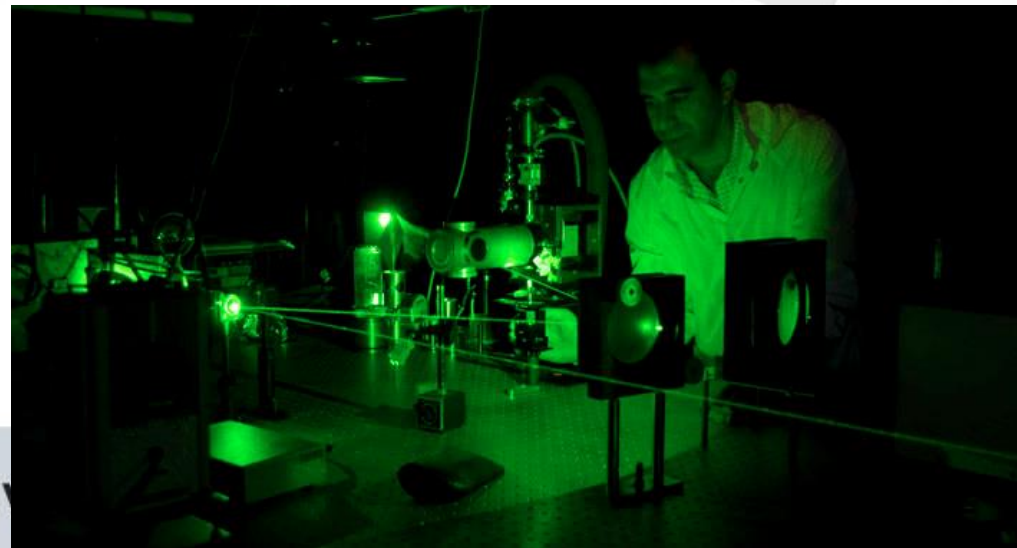
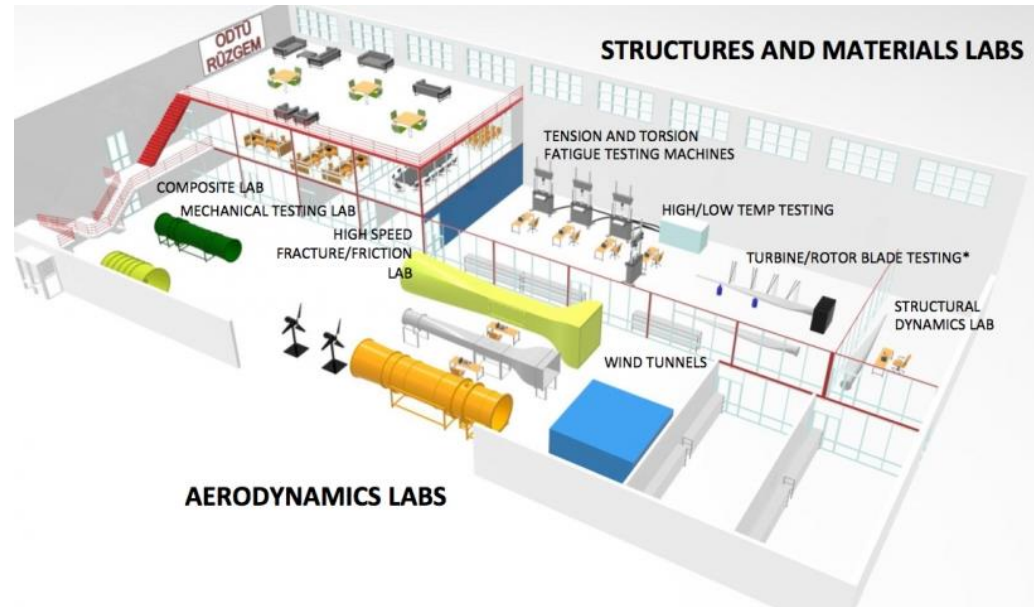
Data presented for years 2011-2015

* METU has a share of about **4.6% of all TÜBİTAK projects** and **7.5% of TÜBİTAK funds** within the total Turkish university participation.



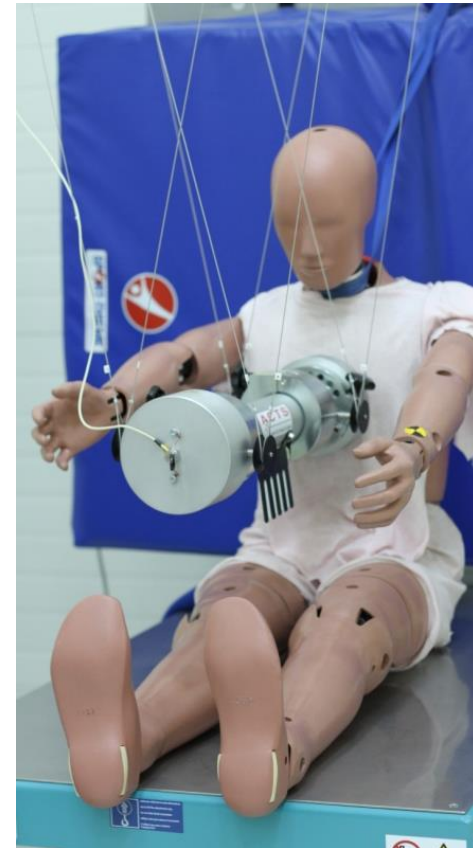
RESEARCH@METU

- METU has **prioritized the following areas of research** with respect to national funds and international policies but also its own capacity in terms of infrastructure and human resources:
 - **Renewable Energy, Ecosystems and Sustainability**
 - **Aeronautics and Space**
 - **Biomedical and Biomaterial Sciences**
 - **Electronics – MEMs**



METU Research Centers

- **29 University-wide Interdisciplinary Research Centers** contributing to the integration of graduate programs and research
- Most **recently** established national centers of excellence:
 - GÜNAM (Solar Energy Research Center) (2009)
 - RÜZGEM (Wind Energy Technologies Research Center) (2011)
 - BIOMATEN (Biomaterials and Tissue Engineering Research Center) (2011)
 - DEKOSİM (Marine Ecosystems and Climate Studies Center) (2012)
 - OGAM (Center of Image Analysis) (2014)
 - ÖGEM (Center for Learning and Student Development) (2015)
 - BİLTEM (Center for Science, Technology, Engineering, and Mathematics Education) (2015)



Others...

1. [Applied Ethics Research Center \(UEAM\)](#)
2. Audio-Visual Research and Production Center (GİSAM)
3. [Center for Black Sea and Central Asia \(KORA\)](#)
4. [METU BILTIR Center](#)
5. [Center for Image Analysis \(OGAM\)](#)
6. [Center for Research and Assessment of Historic Environment \(TAÇDAM\)](#)
7. [Center for Solar Energy Research and Applications \(GÜNAM\)](#)
8. [Center for Technology, Engineering and Mathematics Education \(BİLTEMM\)](#)
9. [Center of Excellence in Biomaterials and Tissue Engineering \(BIOMATEN\)](#)
10. [Center for Advancing Learning and Teaching \(OGEM\)](#)
11. [Central Laboratory](#)
 1. [Molecular Biology-Biyotechnology R&D Center](#)
 2. [R&D-Training Center](#)
12. Construction Industry Training and Research Center (ISEM)
13. [Confucius Research and Application Center](#)
14. [Continuing Education Center \(SEM\)](#)

15. [Disaster Management Implementation and Research Center \(AFET\)](#)
16. [E-Government Research and Application Center \(EDMER\)](#)
17. [Entrepreneurship Research Center \(GIMER\)](#)
18. International Human Rights and Security Research Center
19. [METU-Southeast Anatolia Project Research Center \(GAP\)](#)
20. [METU Center for Wind Energy \(RÜZGEM\)](#)
21. [Modeling and Simulation Research Center \(MODSIM\)](#)
22. [Petroleum Research Center \(PAL\)](#)
23. [R&D and Production Facility for Micro-Electro-Mechanical Systems \(METU - MEMS\)](#)
24. [Research Center for Science and Technology Policies \(TEKPOL\)](#)
25. [Society and Science Research and Application Center \(TBM\)](#)
26. [Welding Technology and Non-Destructive Testing Research Center \(KAYNAK\)](#)
27. [Center for the Built Environment and Design](#)
28. ...

METU Technopark

- **320+ R&D companies** (more than % 60 of which are start-ups)
- 1.2 million sq. meters land area
- **4,500 R&D workers**; about 5,000 employed in total (2015)
- **Incubation and pre-incubation** centers (>75 companies)
- Extensive cooperative research **between the faculty and industry**
- Support for establishment of new science parks in Turkey and Eurasia



METU STRENGTHS

Success in all three mission components

Create Knowledge – research and development

Disseminate Knowledge – education programs

Apply Knowledge – work with industry and society

- METU Revolving Fund largest in the country in industry revenues
- Long tradition of playing an active role in acquiring critical technologies and creation of key institutions in Turkey
- METU Technopark as first science park in Turkey



POSSIBLE FUNDING OPPORTUNITIES for JOINT RESEARCH ACTIVITIES

- **Opportunities under HORIZON 2020 Programme**

- Collaborative Projects
- Marie Curie Individual Fellowships

<https://ec.europa.eu/programmes/horizon2020/>

- **The Scientific and Technological Research Council of Turkey (TÜBİTAK) Fellowship Opportunities**

- 2529 – TUBITAK – MoST (Ministry of Science and Technology) Bilateral Cooperation Program
- 2553 – TUBITAK – PSF (Pakistan Science Foundation) Bilateral Cooperation Program
- 2216 – Research Scholarship for International Researchers
- 2221 – Program for Visiting Scientists/researchers
- 2236 – Brain Circulation Scheme

<https://www.tubitak.gov.tr/tr/burslar/yabancilara-yonelik/egitim-burs-programlari>



STUDENT EXCHANGE

METU EXPERIENCE



MIDDLE EAST TECHNICAL UNIVERSITY

METU @ a Glance

Student body:

- More than 26.500 students
- ≈ 2.000 international students from 94 countries
- ≈ 400 incoming exchange students per year
- ≈ 450 outgoing exchange students per year

International Cooperation:

- 600 collaborative agreements with partners worldwide

2 years of Erasmus+ KA107 experience:

- 2015-2017 Period:
 - Budget: 2.683.622 € (61% of the country budget)
 - 37 partner countries
- 2016-2018 Period:
 - Budget : 1.106.251 € (23% of the country budget)
 - 36 partner countries



STRENGTHS OF METU ICO

Well-rounded and experienced International Cooperations Office staff

Previous experience in Erasmus and non-Erasmus exchange programs:

- Erasmus (intra-European) since 2003/2004 (pilot project in Turkey)
- Erasmus Mundus External Cooperation Window (EMECW) between 2007-2013 in 7 different geographical consortia (covering more than 30 countries)
- Overseas exchange programs since 1990s
- Mevlana exchange program since 2013
- Erasmus (overseas mobility) International Credit Mobility programme pioneer

English as the medium of instruction

World-class education in a wide range of disciplines

Lively social and cultural life on campus

Active and international student clubs and services



Strategic Goals / 1

COMMON AIM: STRATEGIC ACHIEVEMENT ON BOTH SIDES

Partner Countries → sending side
METU → receiving side



Strategic Goals / 1

PARTNER'S PERSPECTIVE:

- Provide students with international learning opportunities in a top-quality university
- Increase number of students who participate in mobility programs to as high as 35% in 5-10 years
- Provide faculty members with international teaching and research opportunities
- Diverse education environments
- Familiarize with cultures and languages and appreciate different worldviews
- Having graduates as active global citizens equipped with a broad knowledge of the world and a sense of social responsibility



Strategic Goals / 2

METU'S PERSPECTIVE (HIGHLIGHTS OF STRATEGIC PLAN 2016- 2021)

- Strengthen collaboration with existing partners and intensify cooperation with top universities of the world → MoU inflation → elimination of inactive ones
- Shift our portfolio of cooperation in such a way that we will have more (active) agreements with top-500 HEIs
- METU faculty members tend to collaborate mostly with developed/industrialized countries (among top target regions are North America and Far East)
- Increase **international research activities and joint publications** → **teaching mobility**
- Attract **international researchers** both for short term visits and long term employment → **incoming teaching mobility**
- Overcome weaknesses among administrative staff: **insufficiency in terms of international perspective and English language practical skills**



Strategic Goals / 3

METU'S PERSPECTIVE:

- Increase the number of qualified international students and staff to **at least 10%** of its population (currently about %7)
- Attract **qualified international students from**
 - **neighboring regions** (e.g. Iran, Georgia, Israel, Jordan, Tunisia, etc.)
 - **countries with which Turkey has historical and sociocultural affinities** (e.g. Western Balkans and Central Asia)
- Attract and retain talents → from mobility to diploma
- **Increase multicultural awareness on campus** and enhance the worldview of our students and staff by **offering them greater opportunities for international mobility**
- Benefit from the advantages of **internationalization at home** by fostering **incoming mobility**



STUDENT MOBILITY



BEFORE ARRIVAL

Call

Nomination

- Must be official

Application

- Via home university
- Documents:
 - Application Form
 - Selection Committee Report *
 - Transcript of Records
 - Copy of Passport/National ID Card

Acceptance

Visa Procedure

- Collaboration with different authorities
 - METU President Office
 - Turkish Embassies
 - National Agency
 - Migration Office
 - Turkish Republic Ministry of Foreign Affairs



AFTER ARRIVAL

Orientation Week

- One week before courses start
- About
 - Courses
 - Psychological Counseling
 - Crisis Management
 - Adaptation to Turkish Culture
 - Learning Support
 - Accommodation
 - Host student services
 - Turkish history
 - Health Services
 - Residence Permit

Residence Permit (HOST STUDENTS)*

- Application within a month of arrival
- Health insurance valid in Turkey



BEFORE DEPARTURE

Certificate of Attendance



AFTER DEPARTURE

Transcripts



THANK YOU



MIDDLE EAST TECHNICAL UNIVERSITY