ESKİŞEHİR TEKNİK ÜNİVERSİTESİ

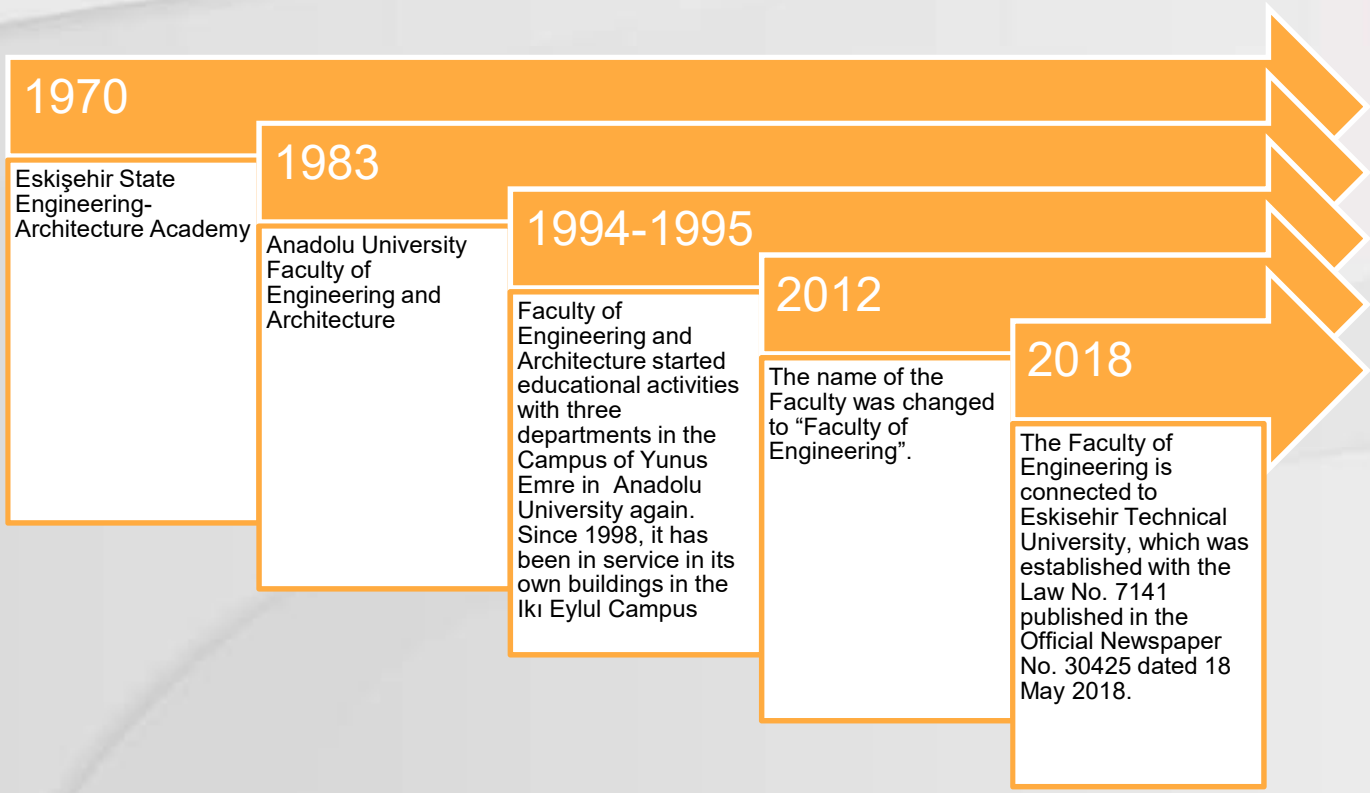
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

General Information

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING




MÜHENDİSLİK FAKÜLTESİ

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
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FACULTY OF ENGINEERING

Our vision

- To take place among the most forward engineering faculties at national and international ranking with our graduates, our projects, and our social contributions.

Our Mission

- With the understanding of continuous improvement, to train universal engineers by offering different learning environments, to produce information and technology with an interdisciplinary approach and to make them available to the society.

Our fundamental values

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FACULTY OF ENGINEERING

Continuous improvement

Participation

Ownership

Transparency

Environmental and Social Awareness

Why Eskişehir Technical University ?

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Democratic and modern education	• Eskişehir Technical University provides student-centered education in a democratic environment equipped with any sort of infrastructure and modern technological opportunities. • Students are encouraged to express themselves, taking part in social and cultural activities at the global scale.
Experienced academic staff	• At Eskişehir Technical University, over 620 faculty members with national and international experience and leading researchers and artists of our country serve as either full-time or visiting academic staff. All academic staff are committed to sharing their knowledge and experience with students.
Well-equipped infrastructure	• All units of Eskişehir Technical University are furnished with the technical equipment required by modern higher education. All laboratories, workshops and studios in the university are equipped with the most advanced tools and devices; and all types of instruments and materials required for teaching and practice are supplied. It is of particular importance for the university to enhance and update the collection in the library, which is open 24/7.
English-language program	• Aware of the importance of foreign language for Turkey's integration with the world, Eskişehir Technical University offers a preparatory English-language program to students in almost all its departments. It is the goal of the University to provide its students with contemporary knowledge and awareness of the world and enable them to speak at least one foreign language.

Why Eskişehir Technical University, Engineering Faculty?

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FACULTY OF ENGINEERING

Lifelong learning orientation which coincides with the history of our faculty about 48 years

- The academic and administrative competence of the university has been approved by the National Agency
- University's social, sportive and cultural facilities
- The faculty's innovative and continuous improvement approach
- MÜDEK accreditation of faculty programs
- Strong academic staff
- Qualified infrastructure and laboratory facilities

Facts&Figures

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FACULTY OF ENGINEERING

We are a restructured technical university rather than a new university!

GRADUATED BACHOLAR STUDENTS	24000
GRADUATED MASTER&PhD STUDENTS	2000
TOTAL	26000

UNDERGRADUATED BACHOLAR STUDENTS	11000
UNDERGRADUATED MASTER&PhD STUDENTS	2000
TOTAL	13000

Facts&Figures

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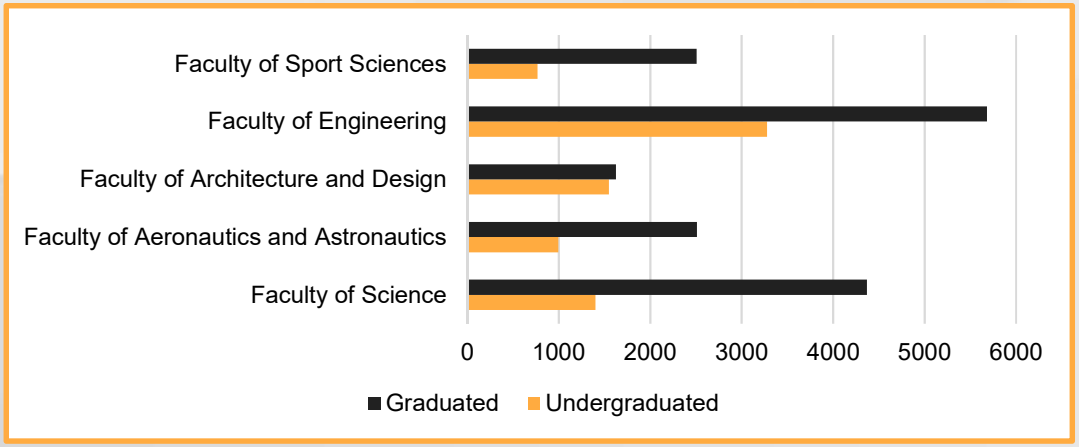
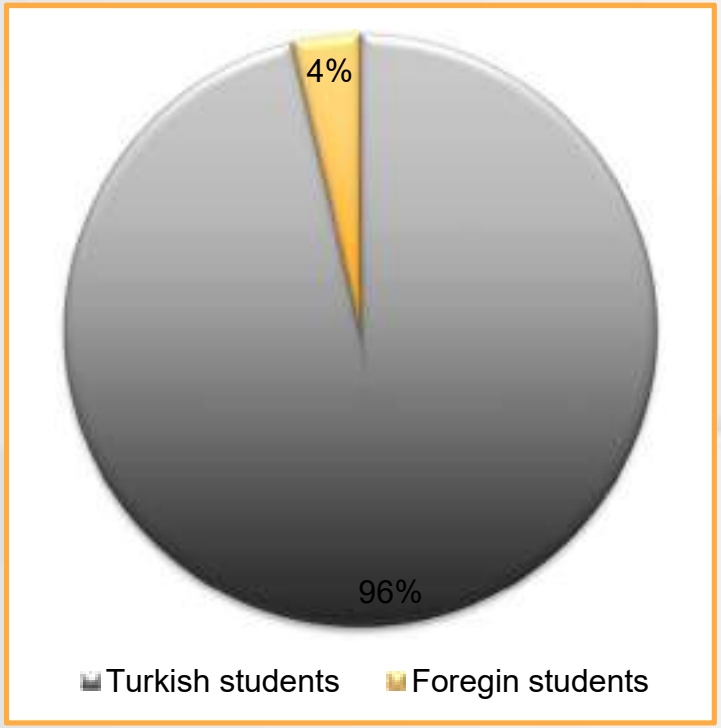
FACULTY OF ENGINEERING





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ASSOCIATION
ACCREDITATION
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PUBLICATIONS
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MÜDEK is recognized by the Higher Education Quality Board of Turkey as the National Quality Assurance Agency in accrediting engineering programs.

MÜDEK is a full member of ENAEE (European Network for Accreditation of Engineering Education).

MÜDEK is authorized by ENAEE to award EUR-ACE Label.

LIST OF ACCREDITED PROGRAMS

Türkçe

Four Year First Cycle (B.S.) Programs Accredited by MÜDEK (as of 01 July 2014)

- MÜDEK became a Signatory of Washington Accord in 2011.
- MÜDEK is authorized to issue EUR-ACE Label as of 2009.
- NE: Indicates Normal Education (day classes) programs accredited if both Normal Education and Second Education exist.
- SE: Indicates SE Education (evening classes) programs accredited if both Normal Education and Second Education exist.
- Those programs without any (NE) or (SE) modifier are Normal Education programs with no Second Education programs.
- All dates refer to graduation dates.

	Validity Period of MÜDEK Accreditation	*Validity Period of EUR-ACE Label*
Computer Engineering	01.05.2009-30.09.2019	*01.05.2009-30.09.2019*
Environmental Engineering	01.05.2009-30.09.2019	*01.05.2009-30.09.2019*
Electrical and Electronics Engineering	01.05.2009-30.09.2016	*01.05.2009-30.09.2016*
Industrial Engineering	01.05.2012-30.09.2017	*01.05.2012-30.09.2017*
Civil Engineering	01.05.2009-30.09.2019	*01.05.2009-30.09.2019*
Chemical Engineering	01.05.2009-30.09.2019	*01.05.2009-30.09.2019*
Materials Science and Engineering	01.05.2009-30.09.2019	*01.05.2009-30.09.2019*

Acreditaions-Awards-Quality

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FACULTY OF ENGINEERING

MUDEK accreditation,

EUR-ACE (European Accreditation of Engineering Programs) label.

"Public Sector Education" category in Turkey received the Excellence Award with 5-star competency certificate issued by EFQM.

ISO 14001 Environmental Management Systems

OHSAS 18001 Occupational Health and Safety Standards

Diversity and equality

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FACULTY OF ENGINEERING

- Learning based education approach based on learning outcomes and student centeredness
- Corporate identity and understanding based on diversity and making difference
- Continuous improvement approach
- Ssustainability approach in all education and research processess
- Research and graduate education process carried out with an integrated and innovative approach
- Priority to internationalization in education and research processess
- Social contribution priority in education and research
- Sustainable and effective communication with our graduates

Faculty & Research

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FACULTY OF ENGINEERING

Faculty

- Facilities
- Feasibilities
- Faculty Awards

Research

- Centers
- Institues
- Laboratories

Faculty

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Facilities






Faculty

Feasibilities

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FACULTY OF ENGINEERING

classrooms

reading rooms

laboratories

technology classes

Technology classes

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Research Centers

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FACULTY OF ENGINEERING

Environmental Problems Application and Research Center

Advanced Technologies Application and Research Center

Civil Aviation Research and Application Center

Open and Distance Education Application and Research Center (ESTUZEM)

Ceramic Research Center

Institude of Graduate Education

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FACULTY OF ENGINEERING

Institude of Graduate Education

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FACULTY OF ENGINEERING

Departments

Department of Ceramic Engineering
- Master of Science (MS) Degree
- (Non-Thesis) Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Department of Computer Engineering
- Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Department of Environmental Engineering
- Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Department of Chemical Engineering
- Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Department of Civil Engineering
- Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Department of Advanced Technologies
- Master of Science (MS) Degree
  - Program in Biotechnology
  - Program in Nanotechnology
  - Enerji Kaynakları ve Yönetimi Programı Tezli YL.
  - Master of Science in Nanotechnology-(İngilizce)

Department of Industrial Engineering
- Master of Arts (MA) Degree
- (Non-Thesis) Master of Science (MS) Degree
- Doctorate Degree (Ph.D)

Depart. of Electrical and Electronics Engineering
- MS Program in Electronics and Electric Engineering
- MS Program in Electronics and Electric Engineering
- Doctorate Program in Electronics and Electric Eng.

Department of Material Science and Engineering
- Program in Material Science and Engineering
- Master of Science (MS) Degree
- Doctorate Degree (Ph.D)
-

Laboratories

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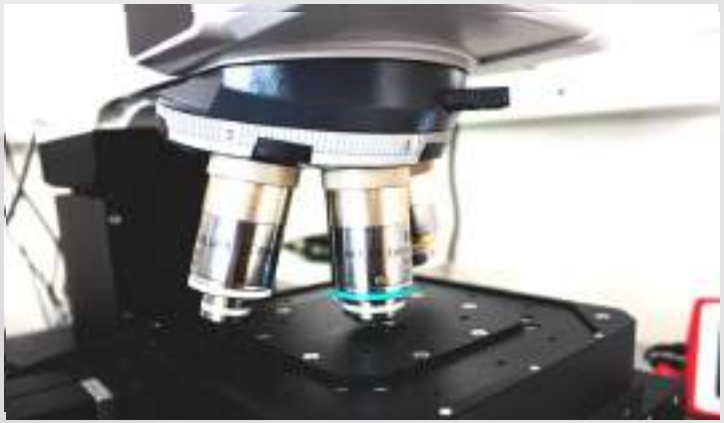

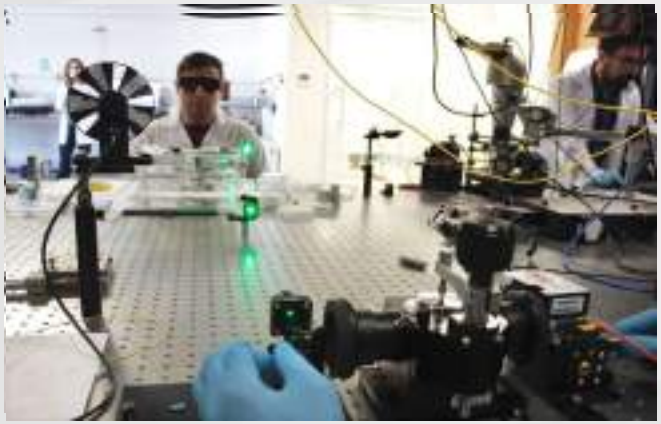

Academic

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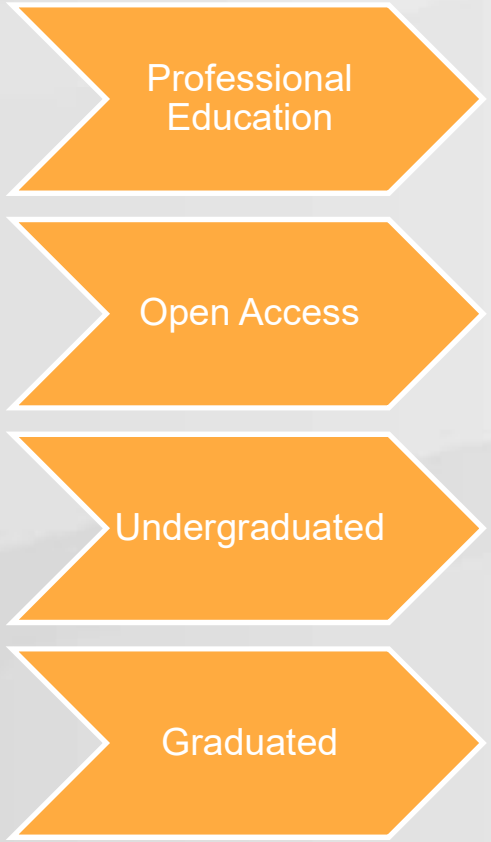

Professinal Education

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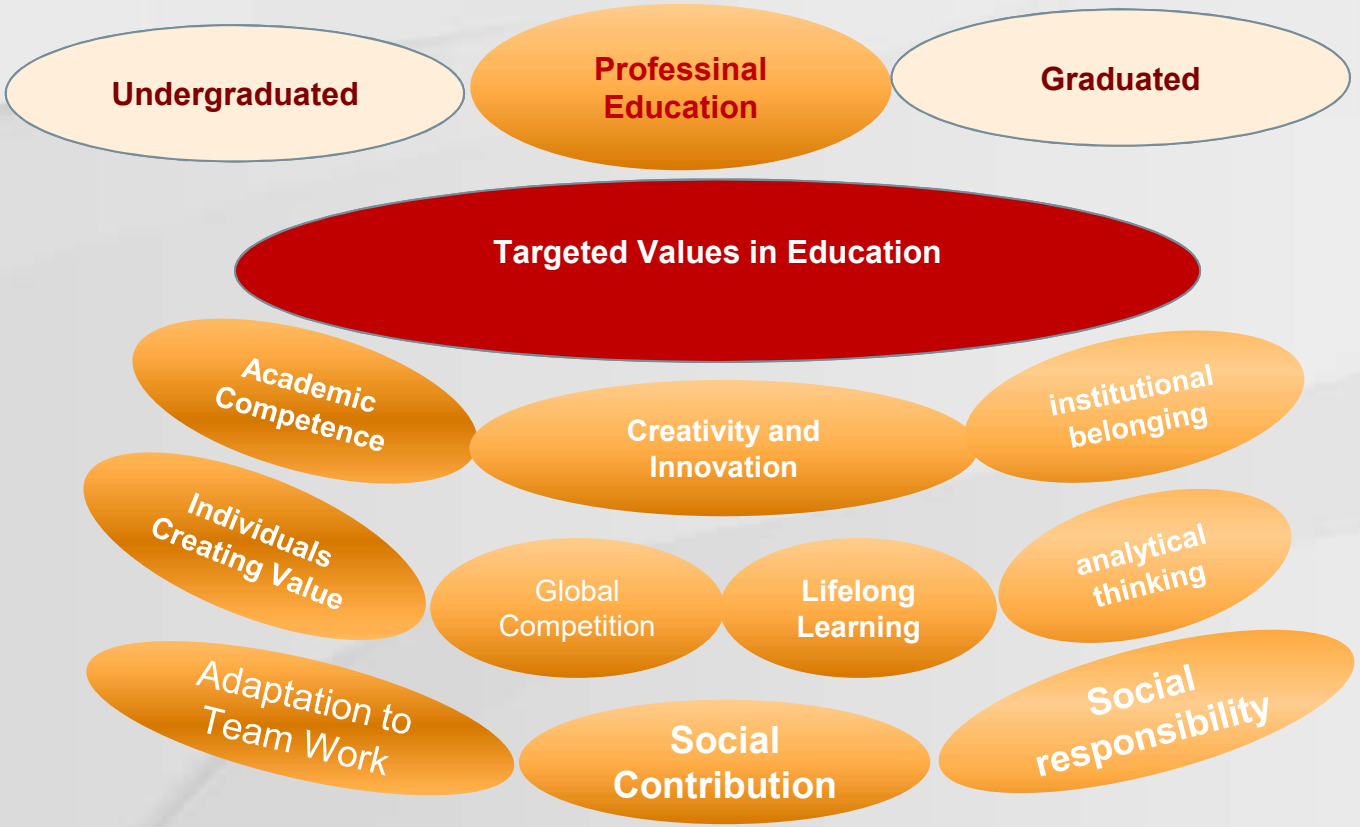

ESTUZEM

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FACULTY OF ENGINEERING

On-line education

Hybrid education

Digital Learning

Open courseware

Academic Departments

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FACULTY OF ENGINEERING

- Department of Computer Engineering (%100 English)
- Department of Industrial Engineering (% 30 English)
- Department of Environmental Engineering (%30 English)
- Department of Chemical Engineering (%30 English)
- Department of Civil Engineering (%30 English)
- Dept.of Materials Science and Engineering (English (%30 English)
- Dept.of Electrical and Electronics Engineering(%100 English)
- Deparment of Mechanical Engineering (English (%30 English)

Department of Computer Engineering

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FACULTY OF ENGINEERING

The department has 5.000 m^2 closed area.

The department has 6 research and student laboratories and 6 classrooms with devices open to common use.

In the department, students whose education language is 100% English and who cannot pass the English Proficiency Exam are studying for one year before taking the courses.

Department of Computer Engineering

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FACULTY OF ENGINEERING

the opportunity to make

- second engineering program
- co-engineering program
- Erasmus exchange program
- Farabi exchange program
- Mevlana exchange program

Department of Computer Engineering

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FACULTY OF ENGINEERING

Program Qualifications (Outcomes)
Employ knowledge in Mathematics, Science and Comp. Eng. in these fields.
Identify, define and solve complex problems using proper methods.
Ability to design a complex system, component or process, which satisfies requirements, using modern methods under realistic constraints.
develop modern techniques and tools; and use information technologies.
Ability to design experiment, conduct experiment, gather data, analyze and interpret results for complex applications in computer engineering.
work efficiently in disciplinary teams, multi-disciplinary teams, and individually.
communicate effectively in Turkish and English, both orally and in writing.
have life-long learning, access information, and follow developments.
have consciousness of professional and ethical responsibility.
have knowledge of project management and awareness of entrepreneurship.
Knowledge on global and societal impacts of computer engineering solutions on health, environment, safety, and also their legal consequences, and problems of the age.

Department of Computer Engineering

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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

Graduates of the programme can work at government or private companies in the field of information, communication, internet, electronics, education, service and commerce, in the positions of:

- Computer Engineer Software
- Engineer Research & Development
- Engineer Network Engineer /
- Director Database System
- Director IT Director Internet Programmer System
- Analyst System Programmer End-User Support
- Expert Application Developer Database Programmer
- Web Designer / Programmer Web Expert.

Department of Industrial Engineering

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FACULTY OF ENGINEERING

This program aims to train Industrial Engineers who can solve industrial engineering problems using scientific methods with a system approach, analyze, design and improve production, service and socio-economic systems, create a career plan for business life, can renew himself/herself with the consciousness of life-long learning, carry out academic studies to produce universal knowledge.

This program includes all theoretical and practical approaches of the field and aims to provide students with necessary skills for analyzing and evaluating systems for production through analysis and experimental methods, supply chain, and quality and human-machine.

It also provides opportunities for students to a gain system approach to increase the effectiveness and productivity of integrated systems including design, planning, control, human resources, equipment and energy.

Department of Industrial Engineering

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FACULTY OF ENGINEERING

Program Qualifications

- Having sufficient knowledge of math, nat. sci. & industrial engineering.
- Ability to identify,formulate and solve complex industrial eng. problems.
- Ability to design a system, a process or a product ina way tofullfil requirements under realistic constraintsand conditions,
- Ability to improve and use tech. and modern devices for ind. eng. apps.
- Ability to design and carry outexperiments, collect data, analyze and interpret resultsto examineengineering problems.
- Ability to work in disciplinary/interdisciplinary teams effectively.
- Ability to communicate effectively, both in writing and orally in Turkish and/or English.
- Ability to have consciousness of lifelong learning, use sources of knowledge including developments in science and technologies and have a sense of continuous self-improvement.
- Have consciousness of professional and ethical responsibility.
- Having knowledge about project management and business applications.
- Have knowledge about the universal and social effects of industrial engineering applications on health, enviroment as well as current affairs, and have awareness of legal consequences for Industrial Engineering solutions.
- Ability to cooperation research and application areas of business world.
- Ability to use an enterprise resource planning software and/or apply numerical methods on financial management.

3 computers, 1 ergonomics labs

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FACULTY OF ENGINEERING

- **Collaboration Laboratory**
  - • Research Projects
  - • Master's and doctorate studies
  - • Undergraduate theses
  - • Competitions
- **General Purpose Computer Laboratories**
  - Lessons
  - Projects, Homework
- **Ergonomics Laboratory**
  - Projects
  - Theses
  - Homeworks

Department of Industrial Engineering

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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

Graduates of the department can be employed in the sectors below:

- Production
- Health Banking
- Transportation Logistics
- Construction Electronics
- Education
- Food Marketing Insurance and many related sectors.

Work areas:

- Research & Development(R& D
- Finance Accounting/Financial jobs
- Production flowline/manufacturing shop
- Quality Control/Quality Management Systems
- Sales/Marketing Information Technology
- Human Resources Customer Relations
- Production /Service Planning, Maintenance Planning Training, Consulting Logistics/Shipping Procurement/ Material Supply Storage

Department of Environmental Engineering

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FACULTY OF ENGINEERING

History of department

1994-1995

- Starting active education on B.Sc. degree

1998-1999

- Moving to the new buildings at the İki Eylul Campus

18th May, 2018

- The department became the part of newly founded Eskişehir Technical University

Department of Environmental Engineering

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FACULTY OF ENGINEERING

Why ?

English Education :

- Duration of the B.Sc. program is 5 years, one of which is spent at the English preparation school.

The globally accepted educational profile :

- The department has been accredited by MÜDEK (Member of EUR-ACE and International Engineering Alliance) for a period of 5 years from September 30, 2009.

Academic staff:

- 7 Professors, 6 Associate Professors, 5 Assistant Professors, 1 Lecturer, 6 Assistants and 1 environmental engineer are currently working in the department.
- The department is governed by one chairman and two deputy chairmen.

Department of Environmental Engineering

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FACULTY OF ENGINEERING

The principal tasks of an environmental engineer

- to protect environment from pollution by human activities
- to protect humans from the adverse effects of a polluted environment.
- the design and management of sanitary infrastructure,
- the design and management of water and wastewater treatment facilities,
- the design and management of air pollution abatement,

Department of Environmental Engineering

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FACULTY OF ENGINEERING

Program Qualifications

- Ability to gain knowledge in mathematics, statistics and other topics special to the related engineering discipline; ability to use theoretical and applied knowledge about these areas in complex engineering problems
- Ability to gain knowledge in natural and applied sciences (physics, chemistry and microbiology) and other topics special to the related engineering discipline; ability to use theoretical and applied knowledge about these areas in complex engineering problems
- Ability to apply necessary information technologies for the analysis and solution of complex problems related with engineering applications
- Ability to identify, describe, formulate and solve complex engineering problems; ability to select appropriate analysis and modelling methods and apply them
- Ability to gain knowledge in social sciences in a wide perspective
- Ability to obtain knowledge about the topics related to application areas of environmental sciences and engineering and to use in complex engineering problems


What if everything could be used again?
WM
wm.com

Department of Environmental Engineering

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FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

- Student Laboratories
  - Unit Operations and Processes Laboratory
  - Environmental Chemistry Laboratory
  - Microbiology Laboratory
- Research Laboratories
  - Air Pollution Laboratories (2)
  - Solid Waste Laboratories (2)
  - Advanced Water / Wastewater Treatment Laboratories (4)
  - Water Quality and Monitoring Laboratory
- Environmental Problems Application and Research Center
  - all laboratories

Department of Environmental Engineering

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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

- Municipalities
- Ministeries
- Local environmental institutions
- Factories
- Consultancy and service firms
- Nongovernmental Organizations
- Universities and many related areas

Department of Electrical and Electronics Engineering

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FACULTY OF ENGINEERING

General information

Department offers a bachelor of science, master of science and doctorate of philosophy programs. Graduate and undergraduate programs have started in the 1994-1995 and 1997-1998 academic year, respectively. The medium of instruction in our undergraduate and graduate programs are English. Duration of the undergraduate program is 4 years. In addition, students who cannot pass the English proficiency exam, have to attend and successfully complete 1-year long English preparatory school before taking any courses from the department.

At our department, students, who meet certain requirements, also have the opportunity to apply for a double-degree undergraduate program or for a minor undergraduate program.

The undergraduate program of the department has been accredited by MÜDEK (Member of EUR-ACE and International Engineering Alliance) from 30 September 2014 until 30 September 2019.

Department of Electrical and Electronics Engineering

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FACULTY OF ENGINEERING

Program Qualifications

Decent knowledge in mathematics, science, and Electrical-Electronics Engineering; an ability to apply the theoretical and practical knowledge of these fields in complex Electrical-Electronics Engineering problems.

An ability to identify, formulate, and solve complex engineering problems in Electrical and Electronics Engineering field; an ability to choose and apply appropriate analysis and modeling methods for this direction.

An ability to design a complex system, component, process, device or product in Electrical-Electronics Engineering field considering the multi-realistic constraints to meet the specific requirements; an ability to apply modern design techniques for this purpose.

An ability to develop, select and use modern techniques and tools required for the analysis and solution of complex problems encountered in Electrical-Electronics Engineering applications; an ability to take advantage of information technologies effectively.

An ability to design and conduct experiments, collect data, analyze and interpret the results to investigate complex engineering problems in Electrical-Electronics Engineering field or discipline-specific research topics.

An ability to work individually, in a team and to participate in multi-disciplinary working groups.

Department of Electrical and Electronics Engineering

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FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

					
Power Systems, Electrical Machines and Power Electronics Laboratory	Measurement -Digital- Electric Circuits and Electronics Laboratory	Microprocessors, Digital Marking and FPGA Laboratory	Advanced Control Systems and Robotics Laboratory	Communication Laboratory	Renewable Energy Systems Laboratory

Department of Electrical and Electronics Engineering

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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

Our students who graduate from our department can take part in companies that are leaders in the sector.

- Electronic
- Communication
- Energy
- Electricity Distribution Companies

Department of Electrical and Electronics Engineering

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FACULTY OF ENGINEERING

General information

Department offers a bachelor of science, master of science and doctorate of philosophy programs. Graduate and undergraduate programs have started in the 1994-1995 and 1997-1998 academic year, respectively. The medium of instruction in our undergraduate and graduate programs are English. Duration of the undergraduate program is 4 years. In addition, students who cannot pass the English proficiency exam, have to attend and successfully complete 1-year long English preparatory school before taking any courses from the department.

At our department, students, who meet certain requirements, also have the opportunity to apply for a double-degree undergraduate program or for a minor undergraduate program.

The undergraduate program of the department has been accredited by MÜDEK (Member of EUR-ACE and International Engineering Alliance) from 30 September 2014 until 30 September 2019.

Department of Chemical Engineering

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FACULTY OF ENGINEERING

Profile of the Programme

- including the design and application of chemical processes required for large-scale manufacturing,
- laboratory applications,
- solution development for industrial,
- technological and environmental problems
- knowledge about the process of converting raw materials or chemicals into more useful or valuable forms.

Department of Chemical Engineering

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FACULTY OF ENGINEERING

Work areas

- oil refining and petrochemical production,
- industries of food and beverage,pharmaceuticals,
- paper, plastics, water purification,
- electricity generation, metals, textiles,
- fertilizer, cement, semi-conductors, perfumes and fragrances, cosmetics and detergents,

Department of Chemical Engineering

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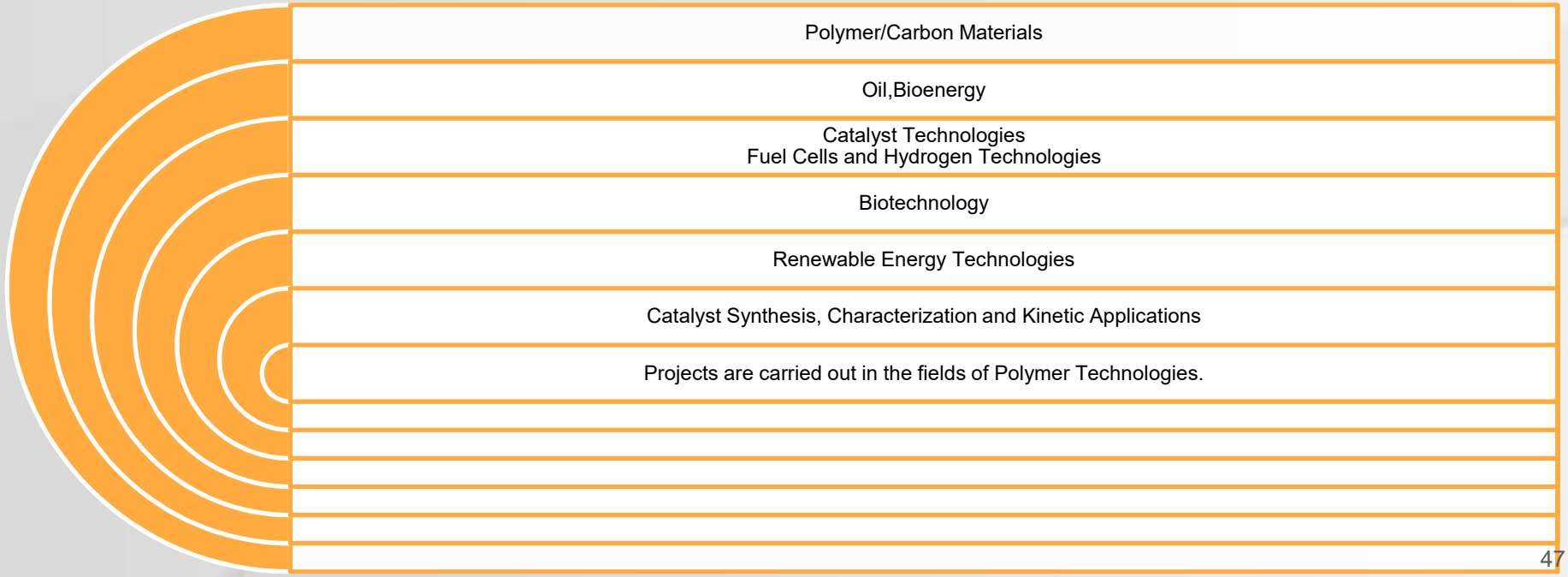
FACULTY OF ENGINEERING

Projects Conducted in the Department



Department of Chemical Engineering

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ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

Laboratories (Student)

General Chemistry Laboratory,
Analytical Chemistry Laboratory,
Physical Chemistry Laboratory
Engineering Laboratory

Laboratory (Research)

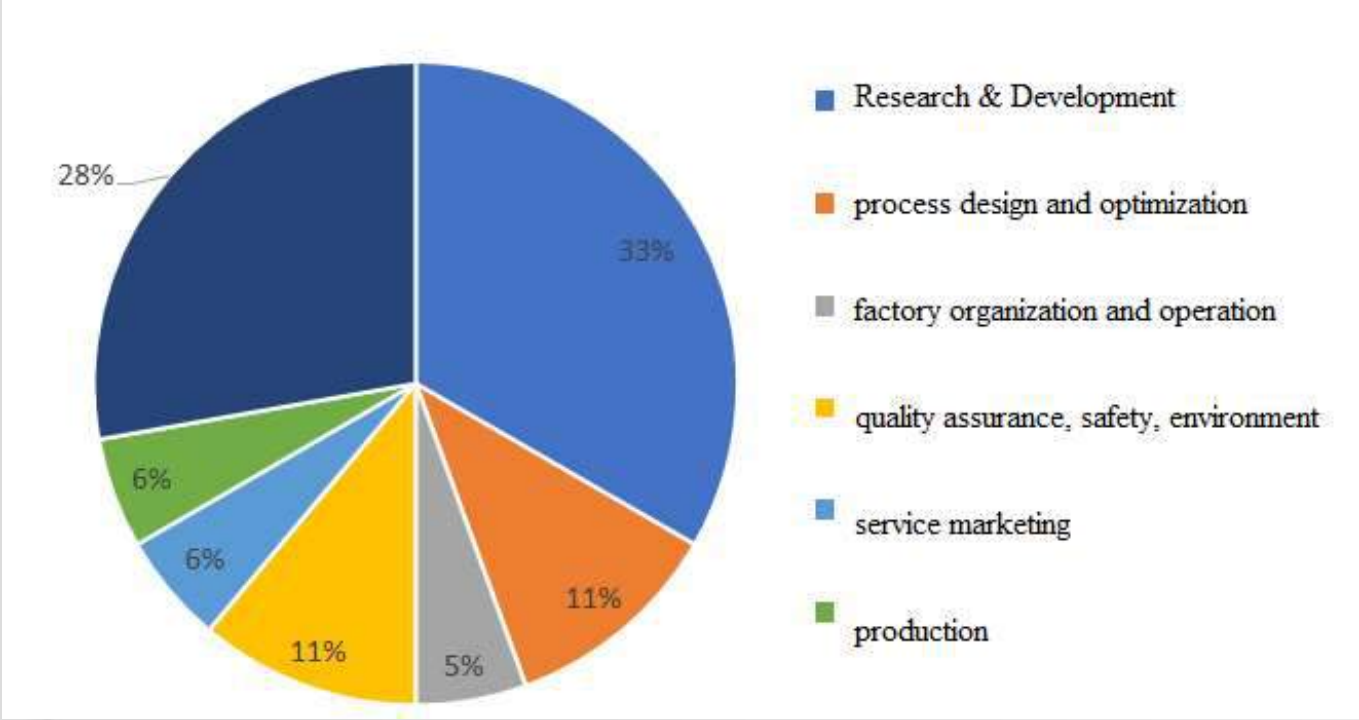
Instrument Analysis Laboratory,
Chemical Reaction Engineering Research Laboratory,
Polymeric and Carbon Materials Laboratory, Oil,
Bioenergy and Catalyst Technologies Laboratory,
Fuel Cells and Hydrogen Technologies Laboratory
Chemical Technologies Research Laboratory, Thermochemical
Processes Research Laboratory, Biotechnology Laboratory,
Renewable Energy Technologies and Carbon Materials Laboratory,
Catalyst Synthesis, Characterization and Kinetic Applications Laboratory,
Catalyst Research Laboratory,
Thermal Processes Laboratory and Polymer Technologies

Department of Chemical Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Occupational Profiles of Graduates



Department of Civil Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

General information

The Civil Engineering Department was established in 1998.

The department is located at Iki Eylul Campus and occupies a covered area of 5000 m^2.

8 Professors, 3 Associate Professors, 7 Assistant Professors, 1 Instructor and 8 Research Assistants are currently working in the department.

The primary education philosophy of the Department has been to provide a sound professional training which has been consistent with the current scientific and technological state of the art background supported by practice through laboratory applications in Civil Engineering discipline.

Department of Civil Engineering

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FACULTY OF ENGINEERING

Profile of the Programme

- The aim of the department is to educate the students by providing a broad knowledge in theory and in practice; equipping them with the skills to design and do research; and teaching them the importance of human rights.
- The instruction is supported by experimental applications and computer programs in laboratories (structural mechanics, construction materials, transportation, soil mechanics and hydraulics).
- Civil engineering department has agreements with various universities from Europe under the LLP/Erasmus program.

Department of Civil Engineering

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FACULTY OF ENGINEERING

Program Qualifications

- have sufficient background in basic mathematics and sciences and basic engineering;
- utilize both the theoretical and practical knowledge acquired from these disciplines in engineering solutions.
- Ability to identify and solve civil engineering problems
- Ability to design a system to meet the specific needs and requirements
- Ability to use techniques and tools in civil engineering applications
- Ability to conduct and analyse an experiment in civil engineering
- access information by conducting review of relevant literature, running database search

Department of Civil Engineering

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FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

Soil Mechanics Laboratory

Strength Laboratory

Hydraulic Laboratory

Topography Laboratory

Construction Laboratory

Building Materials Laboratory

Department of Civil Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

- Project Offices
- Field Engineers
- Government Institutions (DSI, TCK etc.)
- Construction Chemical Companies
- Academy (University)

Department of Materials Science and Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Profile of the Programme

This programme intends to include all kinds of practical and theoretical aspects of the field of study

It aims to train students to be skilled in all aspects of Materials Science and Engineering with emphasis on physics, chemistry, mathematics and engineering principles

It aims to train students with required for designing the microstructure, processing, characteristics and performance of all types of materials.

Department of Materials Science and Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Why?

The language of instruction is 100% English.

The place among the other departments in Turkey are ambitious enough to be the best in Europe with accredited laboratories.

Term MUDEK Accreditation.

Department of Materials Science and Engineering

ESKİŞEHİR TEKNİK ÜNİVERSİTESİ
ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Program Qualifications

- Adequate knowledge in mathematics, science and related engineering discipline; ability to use theoretical and practical knowledge in these areas in complex engineering problems.
- Identify, formulate, and solve complex engineering problems; select and apply appropriate analysis and modeling methods for this purpose.
- Designing a complex system, process, device or product under realistic constraints and conditions to meet specific requirements; ability to apply modern design methods for this purpose.
- Develop, select and use modern techniques and tools necessary for the analysis and solution of complex problems encountered in engineering applications; using information technologies effectively.
- Designing and conducting experiments, collecting data, analyzing and interpreting results for the study of complex engineering problems or disciplinary research topics.
- Working effectively in disciplinary and multidisciplinary teams; individual studying skills.
- Communicating effectively in verbal and written Turkish; knowledge of at least one foreign language; writing active reports and preparing design and production reports, making effective presentations, giving and receiving clear and understandable instructions.

Department of Materials Science and Engineering

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FACULTY OF ENGINEERING

Projects

Functional nitrides for energy applications (FUNEA) 01.02.2011-15.01.2015- Spin off company MDA is the SME partner, Marie Curie ITN 7th Framework Programme

Near net shape manufacturing of SiAlON/Si3N4 based high perfomance cutting tools (Tubitak Project No: 3150912)

Production of graphene-based materials and their electronic applications, 1101F005

Production of textured Fe-doped alumina ceramic substrates for aligned carbon nanotube growth (TUBITAK-CNRS Joint Research Project No. 106M543)

Ballistic performance of B4C-Al Composites for Armor Applications (TUBITAK Project No: 105M-349)

Department of Materials Science and Engineering

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ESKİŞEHİR TECHNICAL UNIVERSITY

FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

- X-Rays Laboratory
- Electron Microscopes Laboratory
- Ceramic Processes Laboratory
- Thin Film Laboratory
- High Technology Ceramics Laboratory
- Ceramic Processes
- Carbon Based Material Production and Characterization Laboratory
- Polymer Laboratory
- Electro-Ceramic Laboratory
- Boron End Products Laboratory
- Glass and Glassy Materials Laboratory
- Optical Materials Laboratory
- Electrochemical Cell Systems Laboratory

Department of Materials Science and Engineering

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FACULTY OF ENGINEERING

Occupational Profiles of Graduates

- * Metal Industry
- *Ceramic-Glass Industry
- * Polymer (PVC-Tire-Rubber Industry) Sector
- * Composite Industry
- * Nanotechnology Sector
- * Advanced Technology End Products Industry

Deparment of Mechanical Engineering

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FACULTY OF ENGINEERING

Program objective

- Aim to cover all kind of practical and theoretical aspects of mechanical engineering
- Aim to enhance knowledge of the students in all fields of mechanical engineering mainly focusing design, manufacture and operate of machines that are used in industries and daily life of society and fundamental principles of physics, chemistry, mathematics and engineering that is required by performance optimization.
- Give fundamental knowledge of engineering subjects like mechanics, dynamics, material science, design, computer aided design and modelling (CAD/CAM), control and automation, thermodynamics, fluid mechanics, heat transfer.
- Give the ability to apply their engineering knowledge for practical problems by performing analysis and synthesis in their professional career and daily life.

Deparment of Mechanical Engineering

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FACULTY OF ENGINEERING

Education facilities with its classrooms, laboratories, computer laboratories and other physical infrastructure

FLUID AND HEAT TRANSFER LABORATORY

MATERIAL AND MECHANICAL CHARACTERIZATION LABORATORY

DIGITAL DESIGN AND MANUFACTURING LABORATORY

Deparment of Mechanical Engineering

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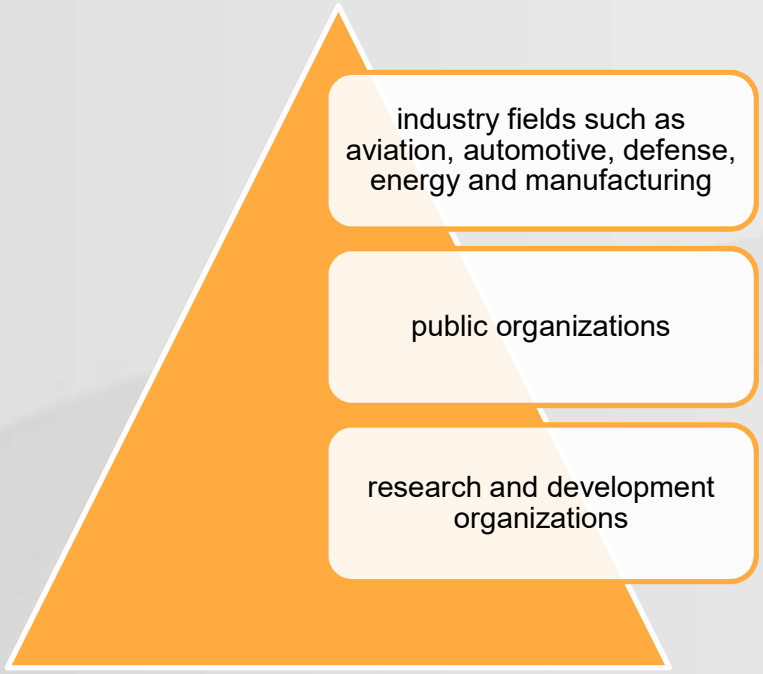
FACULTY OF ENGINEERING

Occupational Profiles of Graduates



Students projects

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FACULTY OF ENGINEERING

Solar Team(2007)

Hydro mobile(2008)

unmanned aerial vehicle (UAV)(2013)

Stronger &together

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… also after graduation

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FACULTY OF ENGINEERING

Even though it seemed like a short break…

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FACULTY OF ENGINEERING

…we were always together.

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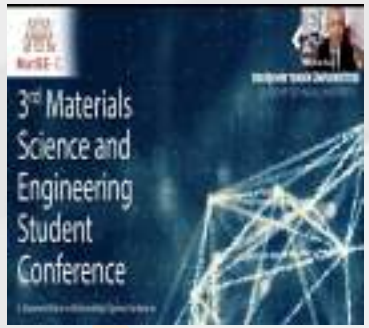
FACULTY OF ENGINEERING







career days | scientific meetings | student project fair | student congress | virtual exhibitions

Lets join us

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FACULTY OF ENGINEERING

Thanks for your attention

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Visit us: https://mf.eskisehir.edu.tr/