ADIYAMAN UNIVERSITY FACULTY OF ENGINEERING

INTRODUCTION BOOKLET

2026 - 2027

CONTENT

About The Faculty

The main purpose of the Faculty of Engineering is to provide engineering education at both undergraduate and postgraduate level. The academic programs of the departments are prepared to train contemporary engineers equipped with research and development skills. There are common courses in all departments of the faculty, in addition to these, in each department, compulsory and elective courses are given according to their field of study and education program. In general, the programs of the departments have a very dynamic structure and they can follow new developments in engineering sciences and provide integration. Research opportunities are available within the faculty, research projects are prepared in various subjects in the departments and research activities are carried out in line with the needs of our country, region and city. Our faculty is open to any ideas that may be the subject of research from outside the university.

Administiration

Dean

Prof. Dr. Cem ONAT - Mechanical Engineering

Vise Dean

Prof. Dr. İsmail BOZKURT - Mechanical Engineering

Assoc. Prof. Dr. Musa EŞİT - Civil Engineering

Faculty Secretary

Mehmet Akif NERGİZ

Mission&Vision

Mission

To provide students with the knowledge and working skills required by the engineering profession, to produce contemporary and universal knowledge and technology, to present the information produced to the use of the society, to train well-equipped engineers who have adopted our core values.

Vision

To have academic staff who have adopted research, lifelong learning and teaching with modern science and technology. Also our goals can be listed as follows; Constantly updating the research, development and teaching infrastructure,Developing projects that will transform knowledge into social and industrial benefits,Creating cleaner production awareness with the harmony of "Ecological - Technological - Economic"

components,Preferred in the first place,Putting the intellectual knowledge and interdisciplinary cooperation in the foreground,Respectful to ethical values.

Strategic Objectives

1-Improving the social and environmental conditions of our faculty.

2-Increasing efficiency in management and service processes.

3-Improving the quality of education and training.

4-Improving the opportunities to access information.

5-Development of Research and Development opportunities.

6-Effective promotion of the faculty.

7- To provide a better education at national level.

8- To produce knowledge by doing scientific research and publication.

9- To produce services that will contribute to society.

Departments

The Faculty of Engineering currently has the following 7 Departments.

- Computer engineering
- Environmental engineering
- Electrical electronics Engineering
- The food Engineering
- Civil Engineering
- Mechanical Engineering
- Textile engineering

ENGINEERING FACULTY

CONTACT INFORMATION

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ADIYAMAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF
COMPUTER ENGINEERING

INTRODUCTORY BOOKLET

2026 - 2027

CONTENTS

Department of Computer Engineering

The department of computer engineering was established in 2012 and will continue to accept students from the 2022-2023 academic year. Computer Engineering Department provides service in the Faculty of Engineering building completed in 2016, the new building with a total area of 4000 m^2 has 8 classrooms for 50 people and one PC laboratory for 60 people other PC laboratory for 50 people.

As of 2026, there are a total of 9 faculty members working in our department, including 1 professor, 2 associate professors, 4 assistant professors, and 2 research assistants.

Head of Department

Prof. Dr. Nuh ALPASLAN

Deputy Head of Department

Asst. Prof. Dr. Hüseyin VURAL

Academic Staff

Prof. Dr. Nuh ALPASLAN

Assoc. Prof. Dr. Sercan YALÇIN

Assoc. Prof. Dr. Gaffari ÇELİK

Asst. Prof. Dr. Ferdi DOĞAN

Asst. Prof. Dr. Hüseyin VURAL

Asst. Prof. Dr. Ersan YAZAN

Asst. Prof. Dr. Zeynel Abidin SAMAK

Rsc. Asst. Abuzer DOGAN

Rsc. Asst. Arzu SEVİNÇ

Secretary of the Department

Kadriye GÜNDÜZ

Mission &Vision

Mission

To train computer engineers who have the potential to shape the information age we are in and are well-equipped in basic computer and informatics subjects; to instill in them a skeptical approach and awareness of ethical behavior and to teach them lifelong learning. To undertake universal studies in all fields of computer engineering; To be an R&D partner where cooperation is sought in all kinds of scientific activities.

Vision

To be a department where qualified academics train globally sought- after graduates in the field of computer engineering in cooperation with industry and government institutions in a synergetic framework, using a highly developed research and teaching infrastructure, and direct academic studies in the field with their publications.

The Importance of Computer Engineering Department

Department of Computer Engineering, with the title of computer engineer gained on a solid foundation and engineering sciences background, can find a qualified job in national or international information institutions or in the academic field, analyze the functioning of an existing system, identify problems and find original and creative solutions, design and implement a new system, able to design projects, to make progress in business life, to make individual and team work, to express himself orally and in writing, to follow the sources written in a foreign language, to be open to innovations and self-confident, as well as sensitive to the problems of our age and fulfilling his profession with the responsibility required by this sensitivity, In order to train computer engineers who can act in accordance with ethical principles, it carries out an education plan that aims to train our students in the best way in both respects by reconciling theory and practice. The program includes compulsory courses related to both basic

engineering sciences and computer engineering. In addition to the compulsory courses in the education plan, there are also optional courses that students can choose according to their own preferences. Thus, the Department of Computer Engineering trains modern engineers who are equipped with the knowledge and skills to serve in all areas of the Computer Engineering profession on a national and international scale, develop themselves by following the developments in their field, are prone to teamwork, are inquisitive, and attach importance to ethical values.

Educational Objectives of the Department include;

- To train researcher graduates who can work in national and international universities and research institutions and do postgraduate studies.

- To train computer engineers who can pursue successful careers and reach leading positions in national and international organizations operating in the field of computer software/hardware.

- To train engineers who can produce professional and scientific projects and take an active role in these projects with the knowledge and skills they have acquired.
- To train engineers who follow current developments, have the ability to think critically and analytically, adopt ethical awareness, and have high communication power, to ensure that they can find qualified jobs in their field.

Why Computer Engineering?

Having a degree in computer engineering gives you the benefits of a broad knowledge, problem-solving and logical thinking ability, no matter what field you're working in. Many universities and employers see success in a computer science course or field as an indicator of versatility.

Job Opportunities for Graduates

Computer Engineering is a sought-after and in-demand field in all fields of technology. Our graduates can work in a wide range of positions, from software development to hardware design, from cyber security to data science.

Graduates of our department has the opportunity to work both in the public and private sectors as;

- Software / Hardware Specialist,
- Data Analyst,
- Database Specialist,
- Business analyst / System analyst
- Quality Control and Testing Specialist,
- Web Design Specialist,
- Graphic Design and Drawing,

- Information System Specialist
- Game engineer
- System programmer,
- Network administrator / System administrator

The Highest and the Lowest Placement Scores According to the Central Placement Results

According to the 2025 central placement results, our department attracted strong interest from prospective students, and the entire undergraduate quota of 45 students was filled.

Based on the placement results announced by the Assessment, Selection and Placement Center (ÖSYM), the lowest-ranked student admitted to our department had a nationwide ranking of 260,902 and a placement score of 314.26938.

As of 2026, a total of 188 undergraduate students continue their education in our department. These figures indicate that our department continues to receive steady interest from students and maintains its academic development in a strong and sustainable manner.

Undergraduate Course Catalogue

1. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
AİİT101	Ataturk's Principles and History of Revolutions I	C	2	0	0	2	2
FİZ101	Physics I	C	2	0	2	3	4
KİM101	Chemistry	C	2	0	2	3	4
MAT101	Calculus I	C	3	1	0	4	5
TD101	Turkish Language I	C	2	0	0	2	2
YD101	English Language I	C	2	0	0	2	3
BIL101	Algorithm and Programming I	C	3	0	2	4	6
BIL103	Introduction to Computer Engineering	C	2	2	0	3	4
Total			**18**	**3**	**6**	**23**	**30**

2. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
AİİT102	Ataturk's Principles and History of Revolutions II	C	2	0	0	2	2
FİZ102	Physics II	C	2	0	2	3	4
MAT102	Calculus II	C	3	1	0	4	5
MAT104	Linear Algebra	C	2	0	0	2	3
TD102	Turkish Language II	C	2	0	0	2	2
YD102	English Language II	C	2	0	0	2	3
BIL102	Algorithm and Programming II	C	3	0	2	4	6
BIL104	Computer Hardware	C	2	1	0	3	5
Total			**18**	**2**	**4**	**22**	**30**

3. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
MUH201	Statistics for Engineers	C	2	0	0	2	3
BIL201	Discrete Mathematics	C	3	1	0	4	5
BIL203	Database	C	2	0	1	3	5
BIL205	Object Oriented Programming	C	3	0	1	4	6
BIL207	Data Structures	C	3	0	1	4	6
BİL209	Professional English Language I	C	3	0	0	3	3
SOSSEC1	Social Elective Course	E	2	0	0	2	2
Total			**18**	**1**	**3**	**22**	**30**

4. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
MAT202	Differential Equations	C	3	0	0	3	4
MUH204	Occupational Health and Safety	C	2	0	0	2	3
BIL202	Electrical Circuits and Electronics	C	3	0	1	4	5
BIL204	Digital Design	C	3	0	1	4	5
BIL206	Principles of Programming Languages	C	4	0	0	4	6
BIL208	Professional Foreign Language II	C	3	0	0	3	3
BIL210	Internship I	C	0	2	0	1	2
SOSSEC2	Social Elective Course	E	2	0	0	2	2
Total			**20**	**2**	**2**	**23**	**30**

5. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL301	Numerical Methods	C	3	0	0	3	4
BIL303	Computer Organization and Architecture	C	2	1	0	3	5
BIL305	Internet Programming	C	3	1	0	4	5
BIL307	Formal Languages and Automata Theory	C	3	0	0	3	5
BIL309	Software Engineering	C	3	0	0	3	5
BILSEC1	Technical Elective Course	E	3	0	0	3	4
SOSSEC3	Social Elective Course	E	2	0	0	2	2
Total			**19**	**2**	**0**	**21**	**30**

6. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL302	Algorithm Analysis	C	3	0	0	3	4
BIL304	Computer Networks	C	2	1	0	3	4
BIL306	Operating Systems	C	3	0	0	3	4
BIL308	Microprocessors and Controllers	C	2	0	1	3	5
BILSEC2	Technical Elective Course 1	E	3	0	0	3	4
BILSEC2	Technical Elective Course 2	E	3	0	0	3	4
SOSSEC4	Social Elective Course	E	2	0	0	2	2
BIL310	Internship II	C	0	2	0	0	3
Total			**18**	**3**	**1**	**20**	**30**

7. Semester							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
BIL401	Graduation Project	C	0	2	0	1	8
BIL403	IT Law	C	3	0	0	3	4
BILSEC3	Technical Elective Course 1	E	3	0	0	3	4
BILSEC3	Technical Elective Course 2	E	3	0	0	3	4
BILSEC3	Technical Elective Course 3	E	3	0	0	3	4
BILSEC3	Technical Elective Course 4	E	3	0	0	3	4
SOSSEC5	Social Elective Course	E	2	0	0	2	2
Total			**17**	**2**	**2**	**18**	**30**

8. Semester							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
BIL402	Adaptation to Engineering	C	0	2	0	1	15
MUHSEC	Engineering Elective Course 1	E	2	0	0	2	5
MUHSEC	Engineering Elective Course 2	E	2	0	0	2	5
MUHSEC	Engineering Elective Course 3	E	2	0	0	2	5
Total			**6**	**2**	**0**	**7**	**30**

Technical Elective Courses

BILSEC1 (5. Semester)							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
BIL311	Signals and Systems	E	3	0	0	3	4
BIL313	Information Systems	E	3	0	0	3	4
BIL315	Data Mining	E	3	0	0	3	4
BIL317	Computer Graphics and Animation	E	3	0	0	3	4
BIL319	Research Methods and Techniques	E	3	0	0	3	4
BIL321	Simulation and Modeling	E	3	0	0	3	4
BIL323	Advanced Programming	E	3	0	0	3	4
BIL325	Human Computer Interaction	E	3	0	0	3	4

BILSEC2 (6. Semester)							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
BIL312	Artificial Intelligence	E	3	0	0	3	4
BIL314	Data Science and Big Data Analysis	E	3	0	0	3	4

BIL316	Game Programming	E	3	0	0	3	4
BIL318	Wireless and Cellular Networks	E	3	0	0	3	4
BIL320	Deep Learning	E	3	0	0	3	4
BIL322	Automated Data Collection Techniques	E	3	0	0	3	4
BIL324	Graph Theory	E	3	0	0	3	4
BIL326	Cloud Computing	E	3	0	0	3	4
BIL328	System Programming	E	3	0	0	3	4
BIL330	Industrial Communication Systems	E	3	0	0	3	4
BIL332	Robotics	E	3	0	0	3	4
BIL334	Artificial Neural Networks	E	3	0	0	3	4
BIL336	Model Based Software Development	E	3	0	0	3	4
BIL338	Web Services	E	3	0	0	3	4
BIL340	Non-Relational Databases	E	3	0	0	3	4
BIL342	Electronic Commerce Applications	E	3	0	0	3	4
BIL344	Quantum Computing	E	3	0	0	3	4
BIL346	Server Based Operating Systems	E	3	0	0	3	4
BIL348	Open-Source Operating Systems	E	3	0	0	3	4
BIL350	Medical Image Processing	E	3	0	0	3	4
BIL352	Introduction to Cryptography	E	3	0	0	3	4

BILSEC3 (7. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL405	Distributed Systems and Parallel Programming	E	3	0	0	3	4
BIL407	Blockchain and Digital Currencies	E	3	0	0	3	4
BIL409	Sensor Networks	E	3	0	0	3	4
BIL411	Embedded Systems	E	3	0	0	3	4
BIL413	Information Retrieval Systems	E	3	0	0	3	4
BIL415	Natural Language Processing	E	3	0	0	3	4
BIL417	Text Classification	E	3	0	0	3	4
BIL419	Image Processing	E	3	0	0	3	4
BIL421	Bioinformatics	E	3	0	0	3	4
BIL423	Voice Processing and Recognition	E	3	0	0	3	4
BIL425	Social Network Analysis	E	3	0	0	3	4
BIL427	Pattern Recognition	E	3	0	0	3	4
BIL429	Internet of Things	E	3	0	0	3	4
BIL431	Machine Learning	E	3	0	0	3	4
BIL433	Forensics	E	3	0	0	3	4
BIL435	Mobile Programming	E	3	0	0	3	4
BIL437	Computer and Network Security	E	3	0	0	3	4
BIL439	Advanced Internet Programming	E	3	0	0	3	4

BIL441	Autonomous Systems	E	3	0	0	3	4
BIL443	Python Programming	E	3	0	0	3	4
BIL445	Java Programming	E	3	0	0	3	4
BIL447	C# Programming	E	3	0	0	3	4
BIL449	.Net Programming	E	3	0	0	3	4
BIL451	Network Programming	E	3	0	0	3	4

Social Elective Courses

SOSSEC1 (3. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
SOS201	Communication	E	2	0	0	2	2
SOS203	Environment Management Systems	E	2	0	0	2	2
SOS205	Engineering Economy	E	2	0	0	2	2
SOS207	Critical Analytic Thinking	E	2	0	0	2	2
SOS209	History of Science	E	2	0	0	2	2
SOS211	Volunteering Study	E	2	0	0	2	2

SOSSEC2 (4. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
SOS202	Public Relations	E	2	0	0	2	2
SOS204	First Aid	E	2	0	0	2	2
SOS206	Environmental Pollution and Control	E	2	0	0	2	2
SOS208	Artificial Intelligence Methods	E	2	0	0	2	2
SOS210	Research and Investigation Techniques	E	2	0	0	2	2

SOSSEC3 (5. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
SOS301	Patent and Industrial Design	E	2	0	0	2	2
SOS303	Environment and Ecology	E	2	0	0	2	2
SOS305	History of Art	E	2	0	0	2	2
SOS307	Sign Language	E	2	0	0	2	2
SOS309	Operations Research	E	2	0	0	2	2
SOS311	Technology and Innovation Management	E	2	0	0	2	2

SOSSEC4 (6. Semester)							
Course Code	**Course Name**	**C/E**	**T**	**U**	**L**	**Credit**	**ECTS**
SOS302	Entrepreneurship	E	2	0	0	2	2
SOS304	Akhism and Professional Ethics	E	2	0	0	2	2
SOS306	Production Planning	E	2	0	0	2	2
SOS308	Ergonomics	E	2	0	0	2	2
SOS310	Climate Change and Sustainable Management	E	2	0	0	2	2
SOS312	Career Planning and Development	E	2	0	0	2	2
SOS314	International Relations	E	2	0	0	2	2

SOSSEC5 (7. Semester)							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
SOS401	Occupational Law	E	2	0	0	2	2
SOS403	Intellectual and Industrial Property	E	2	0	0	2	2
SOS405	Energy Saving in Industry	E	2	0	0	2	2
SOS407	Business Administration and Management	E	2	0	0	2	2
SOS409	Factory Organization and Facility Planning	E	2	0	0	2	2
SOS411	Productivity Measurement and Analysis	E	2	0	0	2	2
SOS413	Risk Management	E	2	0	0	2	2
SOS415	Energy and Environment	E	2	0	0	2	2

Engineering Elective Courses

MUHSEC (7. Semester)							
Course Code	**Course Name**	**C/E**	**T**	**P**	**L**	**Credit**	**ECTS**
MUH402	Innovation and Product Development	E	2	0	0	2	5
MUH404	Quality Control and Standards	E	2	0	0	2	5
MUH406	Productivity Management	E	2	0	0	2	5
MUH408	Organizational Behavior for Engineers	E	2	0	0	2	5
MUH410	Business Establishment and Government Supports	E	2	0	0	2	5

C: Compulsory **E:** Elective **T:** Theoretical **P:** Practical **L:** Laboratory **Credit:** National Credit **ECTS:** European Credit Transfer and Accumulation System

Activities

As the Department of Computer Engineering, we attach great importance to educating our students not only with theoretical knowledge, but also with practical experience, sectoral awareness, and professional development skills. In this regard, various seminars, talks, training camps, technical events, and hands-on competitions are organized throughout the year within our department and through student communities associated with our department.

Within the scope of the career talks held regularly every year, our students come together with academics, industry representatives, entrepreneurs, and alumni who are experts in their fields. These events aim to help our students follow current developments in areas such as software, information technologies, artificial intelligence, cybersecurity, game technologies, and digital transformation. They also provide students with valuable

information about job opportunities, career planning, and market conditions.

Our department also places great emphasis on practical activities that support the development of students' technical skills. In this context, the CTF / Capture The Flag Cybersecurity Competition contributed to improving students' knowledge and problem-solving abilities in areas such as cryptography, web security, reverse engineering, network security, digital forensics, and general cybersecurity within a hands-on competition environment. During the competition, students gained valuable experience in teamwork, analytical thinking, time management, and cybersecurity awareness.

In addition, the "GameLab 2026: Game Programming and Design Camp", supported within the scope of ÜniDes, offered our students a comprehensive training opportunity in the field of game development. The training program covered topics such as the game industry, game technologies, game engines, roles and

responsibilities in game studios, the game market in Türkiye and around the world, career opportunities in the game industry, and the process of designing a game from scratch. The program also included informative sessions on the use of game technologies as simulation environments in different disciplines, particularly in sectors such as defense, energy, and agriculture.

Through these activities, our department aims to support the academic, technical, and professional development of students and to educate future engineers who are research-oriented, productive, open to teamwork, able to follow current technologies, and capable of responding to sectoral needs.

Snapshots from Our Events

Below are some visuals from various events organized by our department and student communities.

- GameLab 2026: Game Programming and Design Camp

- CTF / Capture The Flag Cybersecurity Competition

FACULTY OF ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

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ADIYAMAN UNIVERSITY
ENGINEERING FACULTY
DEPARTMENT OF
ENVIRONMENTAL ENGINEERING

DESCRIPTION BOOKLET

2026-2027

CONTENTS

Department of Environmental Engineering

The Adyaman University Environmental Engineering Department was established in 2011 and started admitting students for the first time in the 2012-2013 academic year.

Head of Department

Prof. Dr. Yavuz DEMİRCİ

Vice Head of Department

Assist. Prof. Dr. Turgay DERE

Academic Staff

Prof. Dr. Özgür ÖZDEMİR

Prof. Dr. Yavuz DEMİRCİ

Prof. Dr. Harun TÜRKMENLER

Assoc. Prof. Dr. Fatih TUFANER

Assoc. Prof. Dr. Müslüm ALTUN

Assist. Prof. Dr. Turgay DERE

Assist. Prof. Dr. Kâmil B. VARINCA

Department Secretary

Zübeyde GÜNEŞ

- **Mission & Vision**

Mission

To raise people with the skills and equipment required to recognize and solve environmental issues in the 21st century with engineering methods and to perform quality research in the field of environmental engineering.

Vision

To be a department that plays an active role in the sustainable development of our country, renews itself in line with the needs for the solution of universal and national environmental problems, and develops and implements contemporary education and research strategies in this regard.

Importance of Departments of Environmental Engineering

In the world, water, wastewater, industrial wastewater treatment, solid waste management, and air pollution control have gained importance, as well as water supply, wastewater collection, and disposal. With the rapid increase in the population of Turkey, the increase in the rate of migration to big cities has also increased the need for environmental engineers. For this reason, the need for engineers who know, understand, and interpret environmental problems shows the importance of the Environmental Engineering Department.

Why Department of Environmental Engineering?

Environmental engineering is an interdisciplinary branch of engineering that finds solutions to environmental problems. Environmental engineers develop engineering approaches to prevent pollution or clean up contaminated areas to protect the natural environment (air, water, and soil) and human health. It develops technologies for the best use of natural resources for a sustainable environment.

Job Oportunities for Our Graduate Students

Our graduates can work in different fields, such as industrial facilities, public institutions, public health institutions, research and development centers and laboratories, as well as consultancy firms. Working areas of environmental engineering include water and wastewater treatment, air pollution control, solid waste disposal, soil pollution, and noise pollution. Below are some organizations where our graduates can work.

- The Ministry of Environment, Forestry, and Water Affairs and its affiliates
- The Ministry of Environment and Urbanization and its affiliates
- The Ministry of Health and its affiliates
- The State Planning Organization
- The State Water Works
- Iller Bank
- Laboratories for Public Health

- Universities
- Local Authorities
- Treatment companies
- Industry associations
- Environmental Consulting Firms
- Engineering and Project Firms

Highest and Lowest Placement Scores According to Central Placement

Our department admits students with LYS (MF-4 score type) and DGS exams. However, our department has been closed to student admissions since the 2018–2019 academic year. The Master's Program was opened in our department in the 2022–2023 Fall Semester, and postgraduate education has started to be offered again.

Course Catalogue

1. Class					
First Semester					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV101	Introduction to Environmental Engineering	4	2+1/3	C	T
CEV103	Mathematics 1	4	2+2/3	C	T
CEV105	Physics 1	4	2+2/3	C	T
CEV107	Chemistry 1	4	2+2/3	C	T
CEV109	Technical Drawing and Descriptive Geometry	4	2+2/3	C	T
TD101	Turkish I	2	2+0/2	C	T
YD101	English I	3	2+0/2	C	T
AİİT101	Ataturk's Principles and Turkish Revolution 1	2	2+0/2	C	T
CEV1..	University Elective Course 1	3	2+0/2	E	T
	Fall Semester Total:	**30**	18+9/ **23**		
Second Semester					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV102	Environmental Microbiology 1	4	2+2/3	C	T
CEV104	Mathematics 2	4	2+2/3	C	T
CEV106	Physics 2	4	2+2/3	C	T
CEV108	Chemistry 2	4	2+2/3	C	T
TD102	Turkish II	2	2+0/2	C	T
YD102	English II	3	2+0/2	C	T
AİİT102	Ataturk's Principles and Turkish Revolution II	2	2+0/2	C	T
ENF102	Introduction to Information Technologies and Applications	4	2+0/2	C	T
CEV1..	University Elective Course 2	3	2+0/2	E	T
	Spring Semester Total :	**30**	18+8/ **22**		
	YEAR TOTAL ::	**60**			
2. Class					
Third Semester					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV201	Environmental Chemistry 1	4	2+2/3	C	T
CEV203	Environmental Microbiology 2	4	2+2/3	C	T
CEV219	Materials in Environmental Engineering	3	2+0/2	C	T
CEV207	Fluid Mechanics and Hydraulics	4	2+2/3	C	T
CEV209	Computer Programming and Design	3	2+2/3	C	T
CEV215	Professional English 1	3	2+0/2	C	T
CEV2..	University Elective Course 3	3	2+0/2	E	T
CEV2..	Faculty Elective Course 1	3	2+2/3	E	T
CEV2..	Vocational Elective Course 1	3	2+0/2	E	T
	Fall Semester Total:	**30**	18+10 /**23**		
Fourth Semester					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV202	Environmental Chemistry 2	4	2+2/3	C	T
CEV204	Environmental Engineering Ecology	3	2+0/2	C	T
CEV220	Static and Strength of Materials	4	2+2/3	C	T

CEV208	Physical Unit Operations in Environmental Engineering	4	2+2/3	C	T
CEV216	Professional English 2	3	2+0/2	C	T
CEV210	Computer Applications in Environmental Engineering	3	2+2/3	C	T
CEV2..	University Elective Course 4	3	2+0/2	E	T
CEV2..	Faculty Elective Course 2	3	2+2/3	E	T
CEV2..	Vocational Elective Course 2	3	2+0/2	E	T
	Spring Semester Total:	**30**	18+10 **/23**		
	YEAR TOTAL:	**60**			

3. Class

Fifth Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV301	Chemical Unit Operations in Environmental Engineering	4	2+2/3	C	T
CEV303	Solid Waste Management	3	2+1/3	C	T
CEV305	Water Supply	4	2+2/3	C	T
CEV307	Water Quality and Management	3	2+1/3	C	T
CEV311	Air Pollution	3	2+1/3	C	T
CEV343	Reuse of Wastes	3	2+0/2	C	T
CEV3..	University Elective Course 5	4	2+2/3	E	T
CEV3..	Faculty Elective Course 3	3	2+0/2	E	T
CEV3..	Vocational Elective Course 3	3	2+0/2	E	T
	Fall Semester Total:	**30**	18+9/**23**		

Sixth Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV302	Biological Unit Operations in Environmental Engineering	4	2+1/3	C	T
CEV304	Hazardous Waste Management	3	2+1/3	C	T
CEV306	Sewerage	3	2+2/3	C	T
CEV308	Water Treatment and Plant Design	4	2+2/3	C	T
CEV312	Air Pollution Control	3	2+1/3	C	T
CEV344	Industrial Microbiology	3	2+0/1	C	T
CEV3..	University Elective Course 6	4	2+0/2	E	T
CEV3..	Faculty Elective Course 4	3	2+0/2	E	T
CEV3..	Vocational Elective Course 4	3	2+0/2	E	T
	Spring Semester Total:	**30**	18+7/**22**		
	YEAR TOTAL:	**60**			

4. Class

Seventh Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV401	Industrial Pollution Control	3	2+1/3	C	T
CEV403	Wastewater Treatment and Plant Design	4	2+2/3	C	T
CEV441	Environmental Engineering Practices	2	0+2/1	C	T
CEV447	Senior Design Project	3	0+2/1	C	T
CEV4..	Faculty Elective Course 5	3	2+0/2	E	T
CEV4..	Vocational Elective Course 5	3	2+0/2	E	T
CEV4..	Vocational Elective Course 6	3	2+0/2	E	T
CEV4..	Vocational Elective Course 7	3	2+0/2	E	T
CEV4..	Vocational Elective Course 8	3	2+0/2	E	T

CEV4..	Vocational Elective Course 9	3	2+0/2	E	T
	Fall Semester Total::	**30**	16+7/**20**		
Eight Semester					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV404	Engineering Adaptation	15	0+2/0	C	T
MUHSEC 8	Engineering Elective Course (3 Courses Will Be Elected)	15	2+0/0	E	T
Total:	Spring Semester	**30**	6+2/0		
	YEAR TOTAL:	**60**			
	ECTS TOTAL ::	**240**			

* For elective courses determined by the Rectorate T+A/C → 2+0/2

Elective Cources					
1. Class					
First Semester					
University Elective Course 1					
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV111	History of Science	3	2+0/2	E	T
CEV113	First Aid	3	2+0/2	E	T
Second Semester					
University Elective Course 2					
CEV110	Critical Analytical Thinking	3	2+0/2	E	T
CEV112	Communication	3	2+0/2	E	T
2. Class					
Third Semester					
University Elective Course 3					
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV221	Sign Language	3	2+0/2	E	T
Faculty Elective Course 1					
CEV223	Soil Mechanics and Basic Construction	3	2+2/3	E	T
CEV225	Differential Equations	3	2+2/3	E	T
Vocational Elective Course 1					
CEV211	Numerical Analysis	3	2+0/2	E	T
CEV217	Reaction Kinetics	3	2+0/2	E	T
Fourth Semester					
University Elective Course 4					
CEV222	Scientific Research Methods	3	2+0/2	E	T
Faculty Elective Course 2					
CEV224	Surveying Techniques	3	2+2/3	E	T
Vocational Elective Course 2					
CEV212	Statistics for Engineers	3	2+0/2	E	T
CEV218	Thermodynamics	3	2+0/2	E	T
3. Class					
Fifth Semester					
University Elective Course 5					

Course Code	Course Name	ECTS	WCH	C/E	La.
CEV 337	Entrepreneurship	4	2+2/3	E	T
	Faculty Elective Course 3				
CEV339	Quality Management Systems	3	2+0/2	E	T
CEV341	Occupational Health and Safety	3	2+0/2	E	T
	Vocational Elective Course 3				
CEV313	Environmental Laws	3	2+0/2	E	T
CEV315	Environmental Sanitation	3	2+0/2	E	T
CEV317	Soil Pollution and Control	3	2+0/2	E	T
CEV319	Hydrology	3	2+0/2	E	T
CEV323	Design in Environmental Engineering	3	2+0/2	E	T
CEV327	Ecotoxicology	3	2+0/2	E	T
CEV329	Noise Pollution and Control	3	2+0/2	E	T
CEV331	Environmental Biotechnology	3	2+0/2	E	T
CEV333	Waste Disposal Methods	3	2+0/2	E	T
CEV335	Geographic Information Systems	3	2+0/2	E	T
Sixth Semester					
	University Elective Course 6				
CEV338	Business Law	4	2+0/2	E	T
AHL302	Ahi Community and Professional Ethics	4	2+0/2	E	T
	Faculty Elective Course 4				
CEV340	Environmental Management Systems	3	2+0/2	E	T
CEV342	Technology and Innovation Management	3	2+0/2	E	T
	Vocational Elective Course 4				
CEV314	Environmental Economics	3	2+0/2	E	T
CEV316	Water Pollution and Control	3	2+0/2	E	T
CEV318	Integrated Watershed Management	3	2+0/2	E	T
CEV322	Air Pollution Modeling	3	2+0/2	E	T
CEV324	Climate Change	3	2+0/2	E	T
CEV328	Groundwater Pollution and Control	3	2+0/2	E	T
CEV330	Natural Treatment Systems	3	2+0/2	E	T
CEV332	Biomonitoring	3	2+0/2	E	T
CEV334	Planning of Environmental Resources	3	2+0/2	E	T
CEV336	Renewable Energy Resources	3	2+0/2	E	T
	4. Class				
Seventh Semester					
	Faculty Elective Course 5				
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV443	Risk Management	3	2+0/2	E	T
CEV445	Project Management	3	2+0/2	E	T
	Vocational Elective Course 5-9				
CEV 407	Environmental Impact Assessment	3	2+0/2	E	T
CEV 411	Landfill Design	3	2+0/2	E	T
CEV 413	Equipment and Operation of Treatment Plants	3	2+0/2	E	T
CEV 415	Membrane Applications	3	2+0/2	E	T
CEV 417	Biogas Production Technologies	3	2+0/2	E	T
CEV 421	Operation of Solid Waste Plants	3	2+0/2	E	T
CEV 423	Advanced Wastewater Treatment	3	2+0/2	E	T
CEV 425	Pumping Plant and Transmission Lines	3	2+0/2	E	T
CEV 427	Thermal Methods in Solid Waste Disposal	3	2+0/2	E	T
CEV 431	Control of Treatment Sludges	3	2+0/2	E	T
CEV 433	Anaerobic Treatment Technologies	3	2+0/2	E	T
CEV 435	Environmental Modeling	3	2+0/2	E	T
CEV 437	Biological Methods in Solid Waste Disposal	3	2+0/2	E	T

Eighth Semester					
MUH 402	Innovation and Product Development	5	2+0/0	E	T
MUH 404	Quality Control and Standards	5	2+0/0	E	T
MUH 406	Productivity Management	5	2+0/0	E	T
MUH 408	Organizational Behavior for Engineers	5	2+0/0	E	T
MUH 410	Business Establishment and State Support	5	2+0/0	E	T

WCH: Weekly Course Hours

T+U/K: Theorical + Application/Credit

ECTS: European Credit Transfer System

C/E: Compulsory/Elective

La.: Language (T: Turkish)

Graduate Course Catalog

1. Semester						
Course Code	**Course Name**	**T**	**U**	**National credit**	**ECTS**	**C/E**
BAT 550	Scientific Research Techniques And Publication Ethics	3	0	3	6	C
CEMYU 501	Directed Field Studies I	4	0	0	6	C
	Elective Course 1	3	0	3	6	E
	Elective Course 2	3	0	3	6	E
	Elective Course 3	3	0	3	6	E
			Total	**12**	**30**	
2. Semester						
Course Code	**Course Name**	**T**	**U**	**National credit**	**ECTS**	**C/E**
CEMYU 502	Directed Field Studies II	4	0	0	6	C
CEMYS 502	Master Seminar	0	2	0	6	C
	Seçmeli Ders 4	3	0	3	6	E
	Seçmeli Ders 5	3	0	3	6	E
	Seçmeli Ders 6	3	0	3	6	E
			Total	**9**	**30**	

3. Semester						
Course Code	**Course Name**	**T**	**U**	**National credit**	**ECTS**	**C/E**
CEMYU 503	Directed Field Studies III	4	0	0	6	C
CEMYT 503	Thesis Studies I	0	0	0	24	C
			Total	**0**	**30**	

4. Semester						
Course Code	**Course Name**	**T**	**U**	**National Credit**	**ECTS**	**C/E**
CEMYU 504	Directed Field Studies IV	4	0	0	6	C
CEMYT 504	Thesis Studies II	0	0	0	24	C
			Total	**0**	**30**	

General		
Semester	**Course Hour (T/U/K)**	**ECTS**
1. Semester	16/0/12	30
2. Semester	13/2/9	30
3. Semester	4/0/0	30
4. Semester	4/0/0	30
Total	**37/2/21**	**120**

1. Semester Elective Courses

Course Code	Course Name	T	U	K	ECTS
CEM 501	Advanced Environmental Engineering Microbiology	3	0	3	6
CEM 503	Environmental Biotechnology-I	3	0	3	6
CEM 505	Advanced Wastewater Treatment Technologies	3	0	3	6
CEM 507	Environmental Biophysics	3	0	3	6
CEM 509	Drought and Water Management	3	0	3	6
CEM 511	Computer Aided Drawing for Scientific Studies	3	0	3	6
CEM 513	Integrated Waste Management and Zero Waste	3	0	3	6
CEM 515	Geographic Information System (GIS) in Environmental Monitoring and Assessment	3	0	3	6
CEM 517	Adsorption and Ion Exchange in Environmental Engineering	3	0	3	6
CEM 519	Soil Pollution and Control	3	0	3	6
CEM 521	Global Climate Change	3	0	3	6
CEM 523	Waste Management in Industries	3	0	3	6
CEM 525	Radioactive Contamination	3	0	3	6
CEM 527	Energy Efficiency in Wastewater Treatment	3	0	3	6
CEM 529	Natural Systems in Wastewater Treatment	3	0	3	6
CEM 531	Industrial Air Pollutants	3	0	3	6
CEM 533	Particle Control in Air Pollution	3	0	3	6
CEM 535	Flue Gas Measurement and Analysis	3	0	3	6
CEM 537	Filtration	3	0	3	6
CEM 539	Air Pollution Modeling	3	0	3	6
CEM 541	Fuzzy Logic Modelling in Engineering	3	0	3	6
CEM 543	Wastewater Treatment Technologies	3	0	3	6
CEM 545	Novel Materials for Environmental Applications	3	0	3	6
CEM 547	Life Cycle Analysis Principles	3	0	3	6

2. Semester Elective Courses

Course Code	Course Name	T	U	K	ECTS
CEM 504	Biochemical Processes in Wastewater Treatment Systems	3	0	3	6
CEM 506	Water Chemistry	3	0	3	6
CEM 508	Energy Production from Waste and Biomass	3	0	3	6
CEM 510	Biological Nitrogen and Phosphorus Removal from Wastewater	3	0	3	6
CEM 512	Physico-Chemical Processes of Wastewater Treatment Systems	3	0	3	6
CEM 514	Advanced Oxidation Processes	3	0	3	6
CEM 516	Statistics in Environmental Engineering	3	0	3	6
CEM 518	Environmental Applications of Remote Sensing	3	0	3	6
CEM 520	Assessment and Management of Environmental Noise	3	0	3	6
CEM 522	Recycling and Reuse of Wastewater	3	0	3	6
CEM 524	Eutrophication	3	0	3	6

CEM 526	Membrane Processes for Wastewater Treatment	**3**	**0**	**3**	**6**
CEM 528	Environmental Micropollutants	**3**	**0**	**3**	**6**
CEM 530	Gaining Matter and Energy from Solid Waste	**3**	**0**	**3**	**6**
CEM 532	Environmental Biotechnology-II	**3**	**0**	**3**	**6**
CEM 534	Emission-Immission Sampling Systems of Industrial Air Pollutants	**3**	**0**	**3**	**6**
CEM 536	Management of Special Wastes	**3**	**0**	**3**	**6**
CEM 538	Greenhouse Gas Emissions and Monitoring	**3**	**0**	**3**	**6**
CEM 540	Zero Waste Approaches and Sustainable Resource Recovery	**3**	**0**	**3**	**6**
CEM 542	Applications of Prediction Models in Environmental Engineering	**3**	**0**	**3**	**6**
CEM 544	Advanced Techniques in Sedimentation Pools	**3**	**0**	**3**	**6**
CEM 546	Waste Gas Control	**3**	**0**	**3**	**6**
CEM 548	Dispersion Models of Air Pollution	**3**	**0**	**3**	**6**
CEM 550	Agro-industrial Waste Valorization	**3**	**0**	**3**	**6**
CEM 552	Water and Carbon Footprint in the Context of Environmental Sustainability	**3**	**0**	**3**	**6**
CEM 554	Losses in Water Networks and Prevention Methods	**3**	**0**	**3**	**6**

Activities

The workshop on the subject of "biogas," which has been emphasized and researched in recent years as a renewable energy source by our department, was held at the Adiyaman University Central Research Laboratory.

Another scientific event organized by our department was the Environmental Engineering Education and Research Workshop in Turkey in 2018. The current situation and future of education in Environmental Engineering Departments in Turkey were discussed, along with suggestions.

The latest scientific event organized with the contributions of our department is the 1st Adiyaman Water Workshop, in cooperation with Adiyaman University and Adiyaman Municipality, on Tuesday, March 22, 2022, at the Adiyaman University Rectorate conference hall. In the workshop, which was held in three different sessions, the importance of water resources and water pollution issues were discussed through oral presentations.

Classrooms;

Laboratories;

Some of the devices in our laboratory;

- Atomic Absorption Spectrophotometry (AAS)
- Total Organic Carbon Analyzer (TOC)
- UV Spectrophotometer
- Incubator
- Distilled Water Device
- COD Heater Unit
- Oven
- Ash Furnace
- Jar Test Unit
- pH Meter
- Magnetic Stirrer
- Precision scales
- Microscope etc.

ENGINEERING FACULTY

ENVIRONMENTAL ENGINEERING DEPARTMENT

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ADIYAMAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING

PROMOTIONAL BOOKLET

2026-2027

CONTENTS

Department

Adıyaman University Faculty of Engineering was established by the Council of Ministers' Decision No. 2011/1595 dated 04.04.2011, which was published in the Official Gazette on 15.04.2011. The Department of Electrical and Electronics Engineering within the Faculty of Engineering has an academic staff consisting of 8 faculty members (1 Professor, 2 Associate Professors, 1 Assistant Professor, 2 Visiting Associate Professors), 1 Research Assistant with a Ph.D., and 1 Research Assistant.

Head of Department

Assoc. Prof. Dr. Mehmet BÜYÜK

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Assoc. Prof. Dr. Mehmet BÜYÜK

Division of Telecommunications

Assoc. Prof. Dr. Abdurrahman ÖZBEYAZ

Division of Electrical Installations

Asst. Prof. Dr. Faruk KÜRKER

Visiting Faculty Member

Assoc. Prof. Dr. M. İsmail GÜRSOY

Assoc. Prof. Dr. Oğuz Kağan KÖKSAL

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MISSION & VISION

Mission

To educate well-qualified Electrical and Electronics Engineers who possess the knowledge and skills required by the era, who can compete at the international level, develop solutions to societal problems, are sensitive to universal values, uphold professional ethics, and have strong problem-solving abilities. Additionally, to conduct research that contributes to the advancement of technology.

Vision

To become a respected Department of Electrical and Electronics Engineering that is recognized both nationally and internationally through its high-quality education, research, and practical applications, and that plays a leading role in developing the technologies of the future.

IMPORTANCE OF OUR DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING

The domestic and national initiatives that our country has undertaken in the field of technology in recent years have been a source of great excitement for all of us. We proudly witness the achievements of our nation's brilliant minds. As the Department of Electrical and Electronics Engineering, we have updated our curriculum and infrastructure in line with the renewed national vision, aiming to contribute to this movement and to better serve you, our esteemed youth.

Dear young people, the guarantors of our future;

To help you become individuals who generate added value for our country, we have established a strong and modern laboratory infrastructure tailored to current needs. We have also assembled a highly qualified academic staff committed to your success.

We would be honored to see you among us on this journey we have embarked on for our nation. Since the 2015–2016 academic year, we have been supporting the National Technology Initiative with over 200 graduates and approximately 170 current students. We warmly invite you to become a part of our family and to consider the Department of Electrical and Electronics Engineering at Adıyaman University Faculty of Engineering in your university preferences.

Wishing you a future filled with health and technology.

JOB OPPORTUNITIES OF GRADUATES

The electrical and electronics sector encompasses a broad spectrum of technologies—including energy, electronics, communications, information technology, automotive, and the defense industry—and serves as a driving force for nearly all industries. There will always be a demand for well-equipped electrical and electronics engineers who can understand, apply, supervise, and further develop these technologies.

The Department of Electrical and Electronics Engineering aims to meet the growing need for engineers in both the public and private sectors. In the final year of the program, students have the

opportunity to specialize in their areas of interest by choosing from a variety of elective courses.

Graduates of the department can pursue careers in a wide range of fields based on their interests, specializations, and individual competencies.

HIGHEST AND LOWEST PLACEMENT SCORES BY CENTRAL PLACEMENT

According to the Higher Education Institutions Examination (YKS) placement results announced by the Student Selection and Placement Center (ÖSYM), the lowest admission score for our department was 298.85 in 2022. The lowest placement scores in the 2023, 2024, and 2025 YKS placement results were 308.33, 290.52, and 309.22, respectively. The department continues its educational activities with an annual admission quota of 10 students and approximately 170 enrolled students.

GRADUATE STUDY OPPORTUNITY

The Graduate Program in Electrical and Electronics Engineering was launched as of September 2024. The program offers opportunities for advanced research and academic studies in various fields of Electrical and Electronics Engineering, including digital signal processing, artificial intelligence, power systems, and control and automation. Student admissions to the program began in August 2025.

COURSE CATALOG

1. Year					
Code	Title	ECTS	WCH T+L/C	M/S	Lang
1. Semester					
MAT101	Mathematics I	5	3+1/4	Z	T
FİZ101	Physics I	4	2+2/3	Z	T
KİM101	Chemistry	4	2+2/3	Z	T
AİİT101	Principles of Atatürk and History of Turkish Revolution I	2	2+0/2	Z	T
TD101	Turkish Language I	2	2+0/2	Z	T
YD101	Foreign Language I	3	2+0/2	Z	T
EEM109	Algorithms and Computer Programming I	5	2+2/3	Z	
EEM103	Introduction Electrical and Electronics Engineering	5	2+2/3	Z	T
	Semester Total :	**30**	17+9/**22**		
2. Semester					
MAT102	Mathematics II	5	3+1/4	Z	T
FİZ102	Physics II	4	2+2/3	Z	T
MAT104	Linear Algebra	3	2+0/2	Z	T
AİİT102	Principles of Atatürk and History of Turkish Revolution II	2	2+0/2	Z	T
TD102	Turkish Language II	2	2+0/2	Z	T
YD102	Foreign Language I	3	2+0/2	Z	T
EEM 112	Algorithms and Computer Programming II	6	2+2/3	Z	T
EEM 114	Computer Aided Design	5	2+1/3	Z	T
	Semester Total:	**30**	17+6/**21**		
	Year Total :	**60**			

2. Year					
Code	Title	ECTS	WCH T+L/C	M/S	Lang
3. Semester					
MUH201	Statistics for Engineers	3	2+0/2	Z	T
EEM201	Circuit Analysis I	6	4+0/4	Z	T
EEM203	Introduction to Logic Circuits	4	3+0/3	Z	T
EEM205	Material Knowledge for Electrical Engineering	3	3+0/3	Z	T
EEM215	Complex Analysis	4	3+0/3	Z	T
EEM209	Circuit Analysis Laboratory I	3	0+2/1	Z	T
EEM211	Logic Circuit Laboratory	2	0+2/1	Z	T
EEM213	Technical English I	3	3+0/3	Z	T
SOSSEC1	Social Elective Course 1	2	2+0/2	S	T
	Semester Total :	**30**	20+4/**19**		
4. Semester					
EEM200	Internship 1	0	0+0/0	Z	T
MAT202	Differential Equations	4	3+0/3	Z	T
MUH204	Occupational Health and Safety	3	2+0/2	Z	T
EEM212	Circuit Analysis II	5	4+0/4	Z	T
EEM216	Probability Theory for Engineering	3	3+0/3	Z	T
EEM218	Electromagnetic Field Theory	4	4+0/4	Z	T
EEM210	Circuit Analysis Laboratory II	2	0+2/1	Z	T
EEM214	Technical English II	3	3+0/3	Z	T
EEM220	Numerical Analysis in Electrical and Electronics Engineering	4	3+1/4	Z	T
SOSSEC2	Social Elective Course 2	2	2+0/2	S	T
	Semester Total :	**30**	28+3/**26**		
	YIL TOPLAMI :	**60**			

3. Year					
Code	Title	ECTS	WCH T+L/C	M/S	Lang
5. Semester					
EEM301	Analog Electronics	5	3+0/3	Z	T
EEM303	Electrical Machines I	4	3+0/3	Z	T
EEM315	Signals And Systems	3	3+0/3	Z	T
EEM317	Introduction To Microprocessors	4	3+2/4	Z	T
EEM319	Electromagnetic Wave Theory	4	4+0/4	Z	T
EEM311	Analog Electronics Laboratory	2	0+2/1	Z	T
EEM313	Electrical Machines Laboratory I	2	0+2/1	Z	T
EEMSEC1	VOCATIONAL ELECTIVE COURSE (1 COURSE)	4	2+1/3	S	T
SOSSEC3	Social Elective Courses 3	2	2+0/2	S	T
	Semester Total :	**30**	20+7/**24**		
6. Semester					
EEM300	Intership 2	0	0+0/0	Z	T
EEM302	Digital Electronics	4	3+0/3	Z	T
EEM304	Electrical Machines II	4	3+0/3	Z	T
EEM306	Control Systems	4	3+0/3	Z	T
EEM308	Digital Electronics Laboratory	2	0+2/1	Z	T
EEM314	Electrical Machines Laboratory II	2	0+2/1	Z	T
EEM328	Microcontrollers And Applications	4	3+2/4	Z	T
EEM312	Power Electronics	4	3+1/4	Z	T
EEMSEC2	VOCATIONAL ELECTIVE COURSE (1 COURSE)	4	3+0/3	S	T
SOSSEC4	Social Elective Courses 4	2	2+0/2	S	T
	Semester Total :	**30**	20+7/**24**		
	YIL TOPLAMI :	**60**			

4. Year					
Code	Title	ECTS	WCH T+L/C	M/S	Lang
7. Semester					
EEM401	Senior Design Project	2	0+2/1	Z	T
EEM469	Electrical Energy Generation	3	3+0/3	Z	T
EEM471	Electrical Power Transmission And Distribution	3	3+0/3	Z	T
EEM467	Programmable Logic Controllers	4	3+0/3	Z	T
EEMSEC3	VOCATIONAL ELECTIVE COURSE	4	3+0/3	S	T
EEMSEC3	VOCATIONAL ELECTIVE COURSE	4	3+0/3	S	T
EEMSEC3	VOCATIONAL ELECTIVE COURSE	4	3+0/3	S	T
EEMSEC3	VOCATIONAL ELECTIVE COURSE	4	3+0/3	S	T
SOSSEC5	Social Elective Courses 5	2	3+0/3	S	T
	Semester Total :	**30**	24+2/**25**		
8. Semester					
EEM404	Engineering Adaptation	15	0+2/1	Z	T
EEM406	Special Topics in Electrical-Electronics Engineering	5	2+0/2	Z	T
EEM408	Database Programming for Internet	5	2+0/2	Z	T
EEM410	Industrial Electronics	5	2+0/2	Z	T
	Semester Total :	**30**	6+2/**7**		
	Year Total:	**60**			
	ECTS TOTAL :	**240**			
	NATIONAL GRADUATION CREDIT :	**153**			

Elective Courses					
2. Year					
Code	Title	ECTS	WCH T+L/C	M/S	Lang
3. Semester					
SOS201	COMMUNICATION	2	2+0/2	S	T
SOS203	ENVIRONMENTAL MANAGEMENT SYSTEMS	2	2+0/2	S	T
SOS205	ECONOMY FOR ENGINEERING	2	2+0/2	S	T
SOS207	CRITICAL ANALYTIC THINKING	2	2+0/2	S	T
SOS209	HISTORY OF SCIENCE	2	2+0/2	S	T
SOS211	VOLUNTEERING WORKS	2	2+0/2	S	T
4. Semester					
SOS202	PUBLIC RELATIONS	2	2+0/2	S	T
SOS204	FIRST AID	2	2+0/2	S	T
SOS206	ENVIRONMENTAL POLLUTION AND CONTROL	2	2+0/2	S	T

SOS208	ARTIFICIAL INTELLIGENCE METHODS	2	2+0/2	S	T
SOS210	RESEARCH AND INVESTIGATION TECHNIQUES	2	2+0/2	S	T
3. Year Vocational Elective Courses					
Code	Title	ECTS	WCH T+L/C	M/ S	La ng
5. Semester					
EEM393	Object Oriented Software	2	2+1/3	S	T
EEM395	Web Based Programming	2	2+1/3	S	T
6. Semester					
EEM330	Electric Power Quality	3	3+0/3	S	T
EEM332	Safety in Electric Plants	3	3+0/3	S	T
3. Year Social Elective Courses					
Code	Title	ECTS	WCH T+L/C	M/ S	La ng
5. Semester					
SOS301	PATENT AND INDUSTRIAL DESIGN	2	2+0/2	S	T
SOS303	ENVIRONMENT and ECOLOGY	2	2+0/2	S	T
SOS305	HISTORY of ART	2	2+0/2	S	T
SOS307	SIGN LANGUAGE	2	2+0/2	S	T
SOS309	OPERATIONS RESEARCH	2	2+0/2	S	T
SOS311	ADMINISTRATION OF TECHNOLOGY AND INNOVATION	2	2+0/2	S	T
6. Semester					
SOS302	ENTREPRENEURSHIP	2	2+0/2	S	T
SOS304	AHI COMMUNITY AND PROFFESIONAL ETHICS	2	2+0/2	S	T
SOS306	PRODUCTION PLANNING	2	2+0/2	S	T
SOS308	ERGONOMY	2	2+0/2	S	T
SOS310	CLIMATE CHANGE AND SUSTAINABLE ADMINISTRATION	2	2+0/2	S	T
SOS312	CAREER PLANNING AND DEVELOPMENT	2	2+0/2	S	T
SOS314	INTERNATIONAL RELATIONS	2	2+0/2	S	T
4. Year Vocational Elective Courses					
Code	Title	ECTS	WCH T+L/C	M/ S	La ng
7. Semester					
EEM421	Embedded Systems	4	3+0/3	S	T
EEM423	Medical Electronics	4	3+0/3	S	T
EEM425	Optoelectronics	4	3+0/3	S	T
EEM427	Illumination Technic	4	3+0/3	S	T
EEM429	Air Conditioning And Cooling	4	3+0/3	S	T
EEM431	Introduction Artificial Neural Networks	4	3+0/3	S	T

EEM433	Design Of Analog Integrated Circuits	4	3+0/3	S	T
EEM435	Microwave Circuits	4	3+0/3	S	T
EEM437	Electromagnetic Compatibility	4	3+0/3	S	T
EEM439	High Voltage Techniques	4	3+0/3	S	T
EEM441	Basis Of Biomedical Engineering	4	3+0/3	S	T
EEM445	Digital Signal Processing	4	3+0/3	S	T
EEM447	Digital Communication	4	3+0/3	S	T
EEM449	Electrical Installation Project	4	3+0/3	S	T
EEM451	Non-Linear Circuits And Systems	4	3+0/3	S	T
EEM455	Introduction To Programmable Logic Components	4	3+0/3	S	T
EEM457	Data Communication	4	3+0/3	S	T
EEM461	Wireless Communication	4	3+0/3	S	T
EEM465	Power System Analysis	4	3+0/3	S	T

4. Year Social Elective Courses

Code	Title	ECTS	WCH T+L/C	M/S	Lang
7. Semester					
SOS401	OCCUPATIONAL LAW	2	2+0/2	S	T
SOS403	INTELLECTUAL AND INDUSTRIAL PROPERTY	2	2+0/2	S	T
SOS405	POWER SAVINGS IN INDUSTRY	2	2+0/2	S	T
SOS407	BUSINESS ADMINISTRATION AND MANAGEMENT	2	2+0/2	S	T
SOS409	PLANT ORGANIZATION AND PLANNING	2	2+0/2	S	T
SOS411	PRODUCTIVITY MEASUREMENT AND ANALYSIS	2	2+0/2	S	T
SOS413	RISK MANAGEMENT	2	2+0/2	S	T
SOS415	ENERGY AND ENVIRONMENT	2	2+0/2	S	T

WCH: Week Course Hour

T+L/C: Theory + Laboratory/Credit

ECTS: European Credit Transfer System

M/S: Mandatory/Selective

LABORATORY AND CLASSROOM INFRASTRUCTURE

LABORATORY FACILITIES

There are 4 laboratories: Basic Electrical-Electronics Laboratory, Digital Electronics Laboratory, Electrical Machines and Power Electronics Laboratory, Communication and Project Laboratory.

Basic Electrical-Electronics Laboratory

Circuit Analysis I and II Laboratory Experiments are carried out. There are 15 tables and each table has a power supply, multimeter, 50 Mhz oscilloscope, signal generator, breadboard and circuit elements.

Digital Electronics and Microprocessors Laboratory

Introduction to Logic Circuits, Digital Electronics, Analog Electronics, Microcontrollers and Applications Laboratory Experiments are carried out. There are 15 tables and each table has a power supply, 100 Mhz Oscilloscope, Multimeter, Signal Generator, breadboard and circuit elements.

Electrical Machines and Power Electronics Laboratory

Electrical Machines I and II Laboratory experiments are carried out. Electrical Machines and Control Training Set are available.

Communication and Project Laboratory

Students can do laboratory experiments and project applications of various courses.

CLASSROOM FACILITIES

There are 1 blackboard, 1 projection, 1 moving projection screen and internet connection in our classrooms in the Faculty of Engineering.

Electrical-Electronics Engineering classrooms

ACTIVITIES

TÜBİTAK PROJECTS

The Department of Electrical and Electronics Engineering actively participates in scientific projects with the contributions of both students and academic staff, and has successfully carried out numerous projects funded by TÜBİTAK (The Scientific and Technological Research Council of Türkiye). These projects not only demonstrate the department's R&D capacity but also provide students with opportunities to engage in hands-on research and innovation.

Faculty Member TÜBİTAK Projects

Our faculty members have participated in a total of 9 projects under various TÜBİTAK funding programs, including 1001, 1002, 1005, 1512, and 2219. Among these, 5 projects have been completed, while 4 are currently ongoing. A

total of four different academic staff members from our department have contributed to these projects.

Undergraduate TÜBİTAK Projects

At the undergraduate level, our students, under the supervision of faculty advisors, have applied to TÜBİTAK funding programs and secured support for a total of seven projects. One of these projects, titled SMTP-Based Air Pollution Warning System, won third place in the regional stage of the 2021 TÜBİTAK 2242 University Students Research Project Competition. In addition, three student projects received TÜBİTAK support in 2024, and another three projects were supported in 2025.

Adıyaman University Electronics and Software Society (IEEE Student Branch)

The Electronics and Software Society at Adıyaman University, affiliated with the IEEE Student Branch, encourages students to keep up with the latest advancements in science and communication technologies. To this end, the society organizes seminars and training sessions led by experts in emerging technologies.

Its core objectives include increasing student interest in electrical-electronics and software-related projects, providing technical support and improved environments for student development, and enhancing learning opportunities. The society aims to strengthen students' engineering knowledge, support their technical growth,

and foster peer interaction. It also seeks to help students showcase their talents, express themselves, and build confidence in their abilities.

In addition, the society serves as a bridge between students and university administration by conveying student-driven suggestions, promoting the effective use of university resources, and contributing to research and project development within Adıyaman University.

IEEE ADYU introductory conference

IEEE ADYU Tea Talk Event

Technical Trips and Seminars

As the Department of Electrical and Electronics Engineering, we organize various technical trips to contribute to the professional development of our students. During the technical visit to the Atatürk Dam and Hydroelectric Power Plant in 2025, our students gained in-depth knowledge about the dam's technical infrastructure and control center. In the same year, a visit to the ETİ Copper Mining Facility provided students with practical insights into both underground and above-ground

electrical-electronic systems and automation infrastructure. Students also had the opportunity to exchange information with the facility's technical staff.

All these activities play a significant role in helping students transform their theoretical knowledge into practice and in increasing their awareness of the industry.



Technical trips organized as departments

ERASMUS + ACTIVITIES

Our department has signed a 7-year mutual learning agreement with the AGH UST (Krakow, Poland) university, which is ranked between 500-600 in the world. Currently;

Siauliai State College (Lithuania),

Rezekne Academy of Technologies (Latvia)

"1 Decembrie 1978" Universtiy Of Alba Iulia (Romania)

Universitatea "Constantin Brancushi" religion Targu-Jiu (Romania)

The Technical University of Varna (Varna, Bulgaria)

It has bilateral Erasmus + learning and internship mobility agreements with universities.

PHOTOS

FACULTY of ENGINEERING DEPARTMENT of ELECTRICAL-ELECTRONICS ENGINEERING
DESCRIPTION BOOKLET 2026-2027

FACULTY of ENGINEERING DEPARTMENT of ELECTRICAL-ELECTRONICS ENGINEERING
DESCRIPTION BOOKLET 2026-2027

FACULTY OF ENGINEERING
DEPARTMENT of ELECTRICAL and ELECTRONICS ENGINEERING

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ADIYAMAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF FOOD ENGINEERING

INTRODUCTORY BOOKLET

2026-2027

CONTENTS

DEPARTMENT OF FOOD ENGINEERING

In 2011, Adıyaman University, Department of Food Engineering started student admissions in the 2012-2013 academic year. It was closed to student admission in 2019.

Head of Department

Prof. Dr. Şükrü KURT

Academic Staff

Department of Food Technology

Prof. Dr. Şükrü KURT (Head of the Department of Food Technology)

Associate Professor Dr. Huriye Gözde CEYLAN

Department of Food Science

Assistant Professor Dr. Leyla EREN KARAHAN

Department Secretary

İrem AKDULUM

- **Mission & Vision**

Mission

Our department aims to know the food system well, to examine the effects of the system on human health, environment, social justice and economic development realistically and objectively at the global and local level; Having the necessary academic (technical and technological), social and cognitive knowledge and skills to contribute to the functioning and transformation of the system in line with the sustainable development goals; and to train graduates who can apply these knowledge and skills in the light of current developments in science and technology with innovative and creative methods.

Vision

Food Engineering Department produces the scientific and technological information required for

the ethical operation and transformation of the food system in line with the global and local sustainable development goals, focusing on human health and environment; working to use this information on a national and international scale with a transdisciplinary systematic approach in solving the problems of the age, carrying out the activities (technology transfer, scientific communication) required for the effective use of the information and solutions produced by all stakeholders (private sector, civil society, public) and aims to be a department that actively contributes to the formation of policies affecting the food system

About Food Engineering

Food engineers are engineers who possess knowledge and skills in the design, production, safety, and sustainability of healthy, safe, and high-quality, value-added foods at all stages, from "farm to fork".

About the Department of Food Engineering

The mission of the Food Engineering Department; to train food engineers equipped with knowledge and skills in food engineering. In addition, it is to conduct scientific research and present its knowledge and experience for the benefit of the food industry and society.

Job Opportunities for Our Graduate Students

Graduates; in the private sector; can work as project engineers, business engineers, investment specialists, consultants, and quality specialists in food-related businesses. They can work as engineers and managers in the fields of R&D, production, quality assurance, marketing, and import and export of the food industry. Students who complete the program can apply for master's and doctorate degrees in the field of Food Engineering or in other branches of science that accept students from this field. In the public sector of food engineers; There are employment opportunities in the Ministry of Agriculture and Rural Affairs, Ministry of Health, Ministry of Industry and Trade, Turkish Standards Institute, and municipalities.

Highest and Lowest Placement Scores According to Central Placement

According to the results of the placement announced by the Centre for Assessment, Selection, and Placement in 2017, the students were placed in our department with the lowest score of 242,4855, while the highest score was 288,18069. 6 of the 20 student quotas opened in total have been filled.

According to the results of the placement announced by the Centre for Assessment, Selection and Placement in 2018, the students were placed in our department with the lowest score of 249,54974, while the highest score was 304,29274. 3 of the 15 student quotas opened in total have been filled.

According to the placement results announced by the Centre for Assessment, Selection, and Placement in 2019, a student was placed in our department with a score of 311,34573.

Course Catalogue

1. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
First Semester					
AİİT101	Ataturk's Principles and Turkish Revolution I	2	2+0/2	C	T
FİZ101	Physics I	4	2+2/3	C	T
GDM105	Biology	4	2+0/2	C	T
GDM109	Introduction of Food Engineering	6	2+0/2	C	T
KİM101	Chemistry	4	2+2/3	C	T
MAT101	Calculus I	5	3+1/4	C	T
TD101	Turkish I	2	2+0/2	C	T
YD101	Foreign Language I	3	2+0/2	C	T
	Fall Semester Total:	**30**	17+5/**20**		
Second Semester					
AİİT102	Ataturk's Principles and Turkish Revolution II	2	2+0/2	C	T
ENF102	Basic Information Technologies	5	2+0/2	C	T
FİZ102	Physics II	4	2+2/3	C	T
GDM108	Engineering Drawing with Computer	4	1+2/2	C	T
KİM102	Organic Chemistry	5	3+0/3	C	T
MAT102	Calculus II	5	3+1/4	C	T
TD102	Turkish II	2	2+0/2	C	T
YD102	Foreign Language II	3	2+0/2	C	T
	Spring Semester Total:	**30**	17+5/**20**		
	YEAR TOTAL :	**60**			

2. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Third Semester					
GDM203	Engineering Mathematics	4	3+0/3	C	T
GDM205	Mass and Energy Balances	4	3+0/3	C	T
GDM207	General Microbiology	5	2+2/3	C	T
GDM209	Food Chemistry and Biochemistry	5	4+0/4	C	T
GDM211	Engineering Thermodynamics	3	2+0/2	C	T
GDM201	Analytical Chemistry	4	2+2/3	C	T
MUH201	Statistic for Engineering	3	2+0/2	C	T
SOSSEC1	Social Elective Course 1	2	2+0/2	E	T
	Fall Semester Total:	**30**	20+4/**22**		
Fourth Semester					
GDM200	Internship 1	0	0+0/0	C	T
GDM202	Fluıd Mechanics	4	3+0/3	C	T
GDM204	Heat and Mass Transfer	4	3+0/3	C	T
GDM206	Food Microbiology I	5	2+2/3	C	T
GDM208	Reaction Kinetics	3	2+0/2	C	T
GDM212	Instrumental Food Analysis	5	2+2/3	C	T
GDM218	Laboratory Techniques	4	2+2/3	C	T
MUH204	Occupational Health and Safety	3	2+0/2	C	T
SOSSEC2	Social Elective Course 2	2	2+0/2	E	T
	Spring Semester Total:	**30**	18+6/**21**		

		YEAR TOTAL :	**60**		
3. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Fifth Semester					
GDM301	Food Engineering Unit Operations	5	4+0/4	C	T
GDM303	Food Biotechnology	5	3+0/3	C	T
GDM305	Food Microbiology II	4	2+0/2	C	T
GDM311	Nurtition	4	2+0/2	C	T
GDM313	Food Packaging	4	2+0/2	C	T
GDM315	Fermentation Technology	4	2+0/2	C	T
GDMSEC1	Professional Elective Courses 1	2	2+0/2	E	T
SOSSEC3	Social Elective Courses 3	2	2+0/2	E	T
	Fall Semester Total: :	**30**	19+0/**19**		
Sixth Semester					
GDM300	Internship 2	0	0+0/0	C	T
GDM302	Fruit and Vegetable Processing Technology	5	2+2/3	C	T
GDM304	Cereal Processing Technology	5	2+2/3	C	T
GDM306	Oil Technology	4	3+0/3	C	T
GDM310	Food Additives and Toxicology	4	2+0/2	C	T
GDM324	Hygiene and Sanitation in Food Industry	4	2+0/2	C	T
GDMSEC2	Professional Elective Courses 2	2	2+0/2	E	T
SOSSEC4	Social Elective Courses 4	2	2+0/2	E	T
	Spring Semester Total:	**30**	15+4/**17**		
	YEAR TOTAL :	**60**			
4. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Seventh Semester					
GDM403	Meat Science and Technology	5	2+2/3	C	T
GDM405	Dairy Science and Technology	5	2+2/3	C	T
GDM411	Cheese Technology	4	2+0/2	C	T
GDM413	Catering Technology	4	2+0/2	C	T
GDM423	Enzyme Science and Technology	4	2+0/2	C	T
GDM433	Senior Design Project	4	0+2/1	C	T
GDMSEC3	Professional Elective Courses 3	2	2+0/2	E	T
SOSSEC5	Social Elective Courses 5	2	2+0/2	E	T
	Fall Semester Total: :	**30**	14+6/**17**		
Sekizinci Yarıyıl					
GDM404	Engineering Adaptation	15	0+2/1	C	T
GDM406	Product Development	5	2+0/2	C	T
GDM408	Food Projects Preparation Technique	5	2+0/2	C	T
GDM410	Problems and Evaluation of Local Food Business	5	2+0/2	C	T
	Fall Semester Total:	**30**	6+2/**7**		
	YEAR TOTAL: :	**60**			
	ECTS TOTAL: :	**240**			
	NATIONAL GRADUATION CREDIT:	**143**			

Elective Courses					
2. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Third Semester					
SOS201	Communication	2	2+0/2	E	T
SOS203	Enviromental Management Systems	2	2+0/2	E	T
SOS205	Engineering Economy	2	2+0/2	E	T
SOS207	Critical Analytic Thinking	2	2+0/2	E	T
SOS209	History of Science	2	2+0/2	E	T
SOS211	Volunteering Work	2	2+0/2	E	T
Fourth Semester					
SOS202	Public Relations	2	2+0/2	E	T
SOS204	First Aid	2	2+0/2	E	T
SOS206	Enviromental Pollution and Control	2	2+0/2	E	T
SOS208	Artifical Intelligence Methods	2	2+0/2	E	T
SOS210	Research and Investigation Techniques	2	2+0/2	E	T
3. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Fifth Semester					
GDM317	Cold Technique and Storage	2	2+0/2	E	T
GDM319	Food and Busıness Ethics	2	2+0/2	E	T
GDM321	Quality Control and Legıslation	2	2+0/2	E	T
GDM323	Material Science	2	2+0/2	E	T
GDM325	Food Preservation Techniques	2	2+0/2	E	T
SOS301	Patents and Industrial Designs	2	2+0/2	E	T
SOS303	Environment and Ecology	2	2+0/2	E	T
SOS305	History of Art	2	2+0/2	E	T
SOS307	Sign Language	2	2+0/2	E	T
SOS309	Operational Research	2	2+0/2	E	T
SOS311	Technology and Innovation Management	2	2+0/2	E	T
Sixth Semester					
GDM308	Research Methods and Techniques	2	2+0/2	E	T
GDM312	Food Quality and Safety Systems	2	2+0/2	E	T
GDM314	Special Food Technology	2	2+0/2	E	T
GDM316	Industrial Microbiology	2	2+0/2	E	T
GDM318	Food Machinery and Equipment	2	2+0/2	E	T
GDM320	Food Reology	2	2+0/2	E	T
GDM322	Sensory Analysis Techniques	2	2+0/2	E	T
SOS302	Entrepreneurship	2	2+0/2	E	T
SOS304	Ahi Community and Professional Ethics	2	2+0/2	E	T
SOS306	Production Planning	2	2+0/2	E	T
SOS308	Ergonomy	2	2+0/2	E	T
SOS310	Climate Change and Sustainable Management	2	2+0/2	E	T
SOS312	Career Planning and Development	2	2+0/2	E	T

SOS314	International Relations				

4. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
Seventh Semester					
GDM407	Design in Food Engineering	2	2+0/2	E	T
GDM409	Aquaculture Processing Technology	2	2+0/2	E	T
GDM417	Poultry Meat Technology	2	2+0/2	E	T
GDM419	Food Economics and Management	2	2+0/2	E	T
GDM421	Sugar and Sugar Products Technology	2	2+0/2	E	T
GDM425	Functional Food Technology	2	2+0/2	E	T
GDM429	Emulsion Technology in Food Production	2	2+0/2	E	T
SOS401	Business Law	2	2+0/2	E	T
SOS403	Intellectual and Industrial Property	2	2+0/2	E	T
SOS405	Energy Conservation in Industry	2	2+0/2	E	T
SOS407	Business Administration and Management	2	2+0/2	E	T
SOS409	Factory Organization and Facility Planning	2	2+0/2	E	T
SOS411	Productivity Measurement and Analysis	2	2+0/2	E	T
SOS413	Project Management	2	2+0/2	E	T
SOS415	Energy and Environment	2	2+0/2	E	T

WCH: Weekly Course Hours

T+U/K: Theorical + Application/Credit

ECTS: European Credit Transfer System

C/E: Compulsory/Elective

La.: Language (T: Turkish)

FACULTY OF ENGINEERİNG

DEPARTMENT OF FOOD ENGINEERING

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ADIYAMAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING

DESCRIPTION BOOKLET

2026-2027

CONTENTS

Department of Civil Engineering

Adıyaman University Department of Civil Engineering, was established in 2011, and started accepting students in the academic year 2013 - 2014.

Head of Department

Prof. Dr. Mehmet Fatih ŞAHAN

Vice Chair

Assist. Prof. Dr. İsmail ÜNSAL

Assist. Prof. Dr. Zeyneb KILIÇ

Academic Staff

Department of Structure

Prof. Dr. Murat PALA

Assist. Prof. Dr. İsmail ÜNSAL

Assist. Prof. Dr. Mustafa Yavuz ÇETİNKAYA

Department of Mechanics

Prof. Dr. Mehmet Fatih ŞAHAN

Department of Geotechnics

Prof. Dr. Mehmet SÖYLEMEZ

RA. Dr. Mert GÜRTÜRK

RA. Dr. Yalçın YILMAZ

Department of Construction Materials

Prof. Dr. Osman GÜNAYDIN

Department of Hydraulics

Assoc. Prof. Dr. Musa EŞİT

Assist. Prof. Dr. Zeyneb KILIÇ

Department of Transportation

Assist. Prof. Dr. Alpay ÖZDEMİR

PhD RA. Günay TÜMEN

Department of Construction Management

RA. Dr. Mustafa Nabi KOCAKAYA

Department Secretary

İrem AKDULUM

- **Mission & Vision**

Mission

To train Civil Engineers who are beneficial to society to be employed in the design, implementation, and development of Civil Engineering related systems in institutions and organizations operating in all national and international environments according to the needs of our country and humanity through the synthesis of mathematics, science and engineering knowledge.

Vision

A civil engineering department that educates nationally and internationally recognized engineers with sustainable development, research, and learning awareness in construction environments.

Importance of Departments of Civil Engineering

Civil Engineering offers infrastructure and superstructure projects that shape the Development and change of the world over time for the benefit of humanity. Civil Engineering is becoming more and more important in our world, where the change is exceptionally fast. Civil Engineering is becoming increasingly important in our country where devastating earthquakes occur. Therefore, it is aimed to develop earthquake regulations and to

ensure the development and implementation of earthquake-resistant design principles and to inspect them.The need for effective civil engineering projects is increasing due to the rapidly growing urbanization and insufficient infrastructure elements, and the problems caused by rapid population growth. Civil engineering continues to be an engineering field that extends to the future with its structural vision.

Why Civil Engineering?

Civil engineering builds structures from drinking water systems to dams where hydroelectric energy production is made and other power plants and construction of hospitals, tunnels, bridges, railways, ports, and airports parallel with the population growth and developing industry. It designs in a way

that is resistant to all-natural disasters, especially earthquakes, and builds with confidence so that society continues to build the future.

Job Opportunities for Our Graduated Students

The graduates can work for the government in many institutions such as the General Directorate of Highways, State Hydraulic Works, Ministry of Environment and Urbanization, State Railways, Special Provincial Administrations, Municipalities, Universities Construction Affairs Department. While in the private sector, they can work for companies operating in real estate, electricity & electronics, energy, mining, and the metal industry.

Highest and Lowest Placement Scores According to Central Placement

According to results of ÖSYS placement announces by the Directorate of Assessment, Selection and Placement Center in 2024, the student has been placed in our department with the highest score 324,58540, while the student has been placed with the lowest 292,29998 score. 9 of the 20 student quotas opened in total have been filled.

According to results of ÖSYS placement announces by the Directorate of Assessment, Selection and Placement Center in 2025, the student has been placed in our department with the highest score 345.97676, while the student has been placed with the lowest 307.50765 score. All 10 student quotas were filled..

192 students continue their education in our department.

Course Catalog

1.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
AİİT101	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	COMPULSORY	2
FİZ101	PHYSICS I	2+0+2	COMPULSORY	4
İNM101	INTRODUCTION TO CIVIL ENGINEERING	2+0+0	COMPULSORY	4
İNM103	COMPUTER AIDED PROFESSIONAL PICTURE	3+0+1	COMPULSORY	6
KİM101	CHEMISTRY	2+0+2	COMPULSORY	4
MAT101	MATH I	3+1+0	COMPULSORY	5
TD101	TURKISH LANGUAGE I	2+0+0	COMPULSORY	2
YD101	FOREIGN LANGUAGE I	2+0+0	COMPULSORY	3
			Toplam AKTS	30

2.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
AİİT102	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0+0	COMPULSORY	2
İNM102	CONSTRUCTION GEOLOGY	3+0+0	COMPULSORY	4
İNM104	STATICS	5+0+0	COMPULSORY	6
İNM106	COMPUTER AIDED ARCHITECTURAL PROJECT DRAWING	3+0+1	COMPULSORY	5
MAT102	MATH II	3+1+0	COMPULSORY	5
MAT104	LINEAR ALGEBRA	2+0+0	COMPULSORY	3
TD102	TURKISH LANGUAGE II	2+0+0	COMPULSORY	2
YD102	FOREIGN LANGUAGE II	2+0+0	COMPULSORY	3
			Toplam AKTS	30

3.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM201	STRENGTH I	3+0+0	COMPULSORY	4
İNM203	SOIL MECHANICS I	2+1+0	COMPULSORY	4
İNM205	FLUID MECHANICS	3+0+1	COMPULSORY	4
İNM207	CONSTRUCTION MATERIALS	4+0+0	COMPULSORY	4
İNM209	BUILDING INFORMATION	4+0+0	COMPULSORY	5
İNM211	TOPOGRAPHY	3+1+0	COMPULSORY	4
MUH201	STATISTICS FOR ENGINEERS	2+0+0	COMPULSORY	3
SEÇ 1	Social Elective Courses	2+0+0	COMPULSORY	2
			Toplam AKTS	30
SOS201	COMMUNICATION	2+0+0	ELECTIVE	2
SOS203	ENVIRONMENTAL MANAGEMENT SYSTEMS	2+0+0	ELECTIVE	2
SOS205	ECONOMY FOR ENGINEERING	2+0+0	ELECTIVE	2
SOS207	CRITICAL ANALYTIC THINKING	2+0+0	ELECTIVE	2
SOS209	HISTORY OF SCIENCE	2+0+0	ELECTIVE	2
SOS211	VOLUNTEERING WORKS	2+0+0	ELECTIVE	2

4.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM202	STRENGHT II	3+0+0	COMPULSORY	4
İNM204	STRUCTURAL ANALYSIS I	3+0+0	COMPULSORY	3
İNM206	SOIL MECHANICS II	2+1+0	COMPULSORY	4
İNM208	HYDROLIC	2+0+1	COMPULSORY	4
İNM210	CONCRETE TECHNOLOGY	3+1+0	COMPULSORY	4
İNM212	PROGRAMMING IN CIVIL ENGINEERING	2+1+0	COMPULSORY	3
İNM214	SUMMER INTERNSHIP I	0+0+0	COMPULSORY	0
MAT202	DIFFERANTIAL EQUATIONS	3+0+0	COMPULSORY	4
MUH204	OCCUPATIONAL HEALTH AND SAFETY	2+0+0	COMPULSORY	2
SEÇ 2	SOCİAL ELECTİVE COURSES	2+0+0	ELECTIVE	2
			Toplam AKTS	30
SOS202	PUBLIC RELATIONS	2+0+0	ELECTIVE	2
SOS204	FIRST AID	2+0+0	ELECTIVE	2
SOS206	ENVIRONMENTAL POLLUTION AND ITS CONTROL	2+0+0	ELECTIVE	2
SOS208	ARTIFICIAL INTELLIGENCE METHODS	2+0+0	ELECTIVE	2
SOS210	RESEARCH AND REVIEW TECHNIQUES	2+0+0	ELECTIVE	2

5.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM301	BUILDIND STATICD II	3+0+0	COMPULSORY	3
İNM303	CONCRETE I	3+1+1	COMPULSORY	5
İNM305	ROAD ENGINEERING	2+1+0	COMPULSORY	4
İNM307	INTRODUCTION TO STEEL STRUCTURES	4+0+0	COMPULSORY	5
İNM309	WATER SUPPLY AND WASTE WATER	3+0+0	COMPULSORY	5
İNM311	CONSTRUCTION MANAGEMENT	2+0+0	COMPULSORY	3
SEÇ 3	SOCIAL ELECTIVE COURSES	2+0+0	ELECTIVE	2
SEÇ 4	PROFESSIONAL ELECTIVE COURSES	3+0+0	ELECTIVE	3
			Toplam AKTS	30
İNM323	WATER RESOURCES	3+0+0	ELECTIVE	3
İNM327	INTRODUCTION TO SOIL LABORATORY TESTS	1+0+2	ELECTIVE	3
İNM329	INTRODUCTION TO BUILDING LABORATORY TESTS	1+0+2	ELECTIVE	3
SOS301	PATENT AND INDUSTRIAL DESIGNS	2+0+0	ELECTIVE	2
SOS311	TECHNOLOGY AND INNOVATION MANAGEMENT	2+0+0	ELECTIVE	2

6.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM302	CONCRETE II	3+1+0	COMPULSORY	6
İNM304	QUANTITY AND EXPLORATION WORKS	4+0+0	COMPULSORY	5
İNM306	INTRODUCTION TO BUILDING DYNAMICS	3+0+0	COMPULSORY	4
İNM308	WATER STRUCTURES	3+0+0	COMPULSORY	4
İNM310	FOUNDATION CONSTRUCTION	3+0+0	COMPULSORY	3
İNM312	SUMMER INTERNSHIP	0+0+0	COMPULSORY	0
SEÇ 5	SOCIAL ELECTIVE COURSES	2+0+0	ELECTIVE	2
SEÇ 6	PROFESSIONAL ELECTIVE COURSES	3+0+0	ELECTIVE	6
			Toplam AKTS	30
İNM322	FLEXIBLE ROAD SUPERSTRUCTURES	3+0+0	ELECTIVE	3
İNM324	HYDROLOGY	3+0+0	ELECTIVE	3
İNM328	DAMAGE DETERMINATION IN BUILDINGS	3+0+0	ELECTIVE	3
İNM330	CONSTRUCTION WORKS AND TENDER LEGISLATION	3+0+0	ELECTIVE	3
İNM332	DEVELOPMENTS IN BUILDING TECHNIQUES	3+0+0	ELECTIVE	3
İNM334	INTRODUCTION TO CONCRETE ADDITIVE MATERIALS	3+0+0	ELECTIVE	3
İNM336	HIGHWAY DESIGN	3+0+0	ELECTIVE	3
İNM338	INTRODUCTION TO SOIL TREATMENT METHODS	3+0+0	ELECTIVE	3
İNM340	COMPUTER APPLICATIONS IN BUILDING ANALYSIS	3+0+0	ELECTIVE	3

7.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM401	EARTHQUAKE RESISTANT STRUCTURE DESIGN	3+0+0	COMPULSORY	5
İNM403	BUILDING COST ANALYSIS	3+0+0	COMPULSORY	3
İNM405	COMPUTER AIDED CONCRETE BUILDING DESIGN	2+1+0	COMPULSORY	4
İNM407	GRADUATION PROJECT	0+2+0	COMPULSORY	4
SEÇ 7	SOCIAL ELECTIVE COURSES	2+0+0	COMPULSORY	2
SEÇ 8	PROFESSIONAL ELECTIVE COURSES	3+0+0	COMPULSORY	12
			Toplam AKTS	30
İNM421	COMPUTER AIDED STEEL BUILDING DESIGN	3+0+0	ELECTIVE	3
İNM423	INTRODUCTION TO REPAIR STRENGTHENING IN BUILDINGS	3+0+0	ELECTIVE	3
İNM425	REINFORCED CONCRETE III	3+0+0	ELECTIVE	3
İNM427	PREFABRICATED BUILDINGS	3+0+0	ELECTIVE	3
İNM429	DAMS	2+0+0	ELECTIVE	2
İNM431	COST ANALYSIS AND PROGRESS IN CONSTRUCTION WORKS	2+0+0	ELECTIVE	2

8.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM402	COMPLIANCE WITH ENGINEERING	0+2+0	COMPULSORY	15
MUHSEC 8	ENGINEERING ELECTIVE COURSE	2+0+0	ELECTIVE	5
MUH402	INNOVATION AND PRODUCT DEVELOPMENT	2+0+0	ELECTIVE	5
MUH404	QUALITY CONTROL AND STANDARDS	2+0+0	ELECTIVE	5
			Toplam AKTS	30

T+A+L: Theorical + Application + Lab
ECTS: European Credit Transfer System

Activities

Civil Engineering Department regularly organizes the event "One of Us". The scope of this activity ensures that the experiences of engineers who have graduated and have already reached a certain level of knowledge are transferred to current students. Opportunities are provided for students to participate in the DASK Earthquake Resistant Building Design Competition. Opportunities are provided for students to participate in the DE&CO International Steel Bridge Competition

FACULTY OF ENGINEERING

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ADIYAMAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
PROGRAM BROCHURE

2026-2027

CONTENTS

OUR DEPARTMENT

Our department was established in 2011. Undergraduate program admissions began in 2015, thesis-based master's program admissions in 2018, and doctoral program admissions in 2022. As of the 2024-2025 academic year, our department has ceased admissions through the YKS exam. Admissions to our thesis-based master's and doctoral programs are ongoing.

Mechanical Engineering
Department Chair

MISSION & VISION

The mission of the Department of Mechanical Engineering is to educate mechanical engineers and academics who aim to provide solutions to the needs of the public and private sectors, embrace scientific and technological developments, utilize their knowledge and experience for the benefit of humanity, and adopt professional ethical values. The department strives to be a preferred department that provides education in accordance with international standards and trains mechanical engineers who are recognized internationally.

THE IMPORTANCE OF MECHANICAL ENGINEERING

Mechanical Engineering is a broad field of engineering that deals with the analysis, design, and production of all types of mechanical systems, including automotive, aerospace, defense, control, automation, materials science, energy, thermal science, and other related fields.

WHY STUDY MECHANICAL ENGINEERING?

Mechanical engineering plays a crucial role in the design, production, operation, and maintenance of mechanical and energy conversion systems. Mechanical engineers develop innovative solutions and assist in solving complex problems in fields such as automotive, aerospace, defense industry, materials science, energy sector, manufacturing, etc. They also make significant contributions in areas such as renewable energy sources, environmental protection, and advanced technologies.

EMPLOYMENT OPPORTUNITIES FOR OUR GRADUATES

Graduates of the mechanical engineering department have a wide range of employment opportunities in both the public and private sectors. Mechanical engineering graduates can work in the mechanical, manufacturing, automotive, aviation, and defense industries. Mechanical engineering graduates can work in the R&D departments of companies engaged in the efficient use of energy resources and renewable energy sources. They can also work in the design and planning of renewable energy sources such as solar energy, wind energy, hydraulic energy, and geothermal energy. Mechanical engineering graduates can work in the design and planning of heating, ventilation, and air conditioning systems. Mechanical engineering graduates have the opportunity to work as academic staff at universities by pursuing master's and doctoral degrees.

OUR COURSE CATALOG

First Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAT101	Mathematics I	4	0	4	5
PHYS101	Physics I	4	0	4	4
CHEM101	Chemistry	3	0	3	4
AİİT101	Principles of Atatürk and History of the Revolution I	2	0	2	2
TD101	Turkish Language I	2	0	2	2
YD101	English I	2	0	2	3
MAK111	Introduction to Mechanical Engineering	2	0	2	5
MAK113	Technical Drawing I	2	0	3	5
Total		21	0	22	30

T: Theory **U:** Application **UK:** National Credit **ECTS:** European Credit Transfer System

Second Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAT102	Mathematics II	4	0	4	5
PHYS102	Physics II	4	0	4	4
AİİT102	Principles of Atatürk and History of the Revolution II	2	0	2	2
TD102	Turkish Language II	2	0	2	2
YD102	English II	2	0	2	3
MAK116	Static	3	0	3	4
MAK118	Technical Drawing II	2	0	3	5
MAT104	Linear Algebra	2	0	2	3
MAK120	Measurement Technique	3	0	3	3
Total		22	0	23	30

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Third Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK203	Materials Science	3	0	3	5
MAK205	Strength of Materials I	3	0	3	5
MAK207	Dynamic	3	0	3	5
MAK217	Manufacturing Methods I	3	0	3	4
MUH201	Statistics for Engineers	3	0	3	3
MAKSEC1	Vocational Elective Course 1	3	0	3	3
MAKSEC1	Vocational Elective Course 1	3	0	3	3
SOSSEC1	Social Elective Course 1	2	0	2	2
Total		20	0	20	30

Third Semester * *Elective Professional Course 1*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK209	Programming	3	0	3	3
MAK221	Casting Technology	3	0	3	3
MAK223	Renewable Energy Sources	3	0	3	3
MAK225	Computer-Aided Manufacturing	3	0	3	3
MAK227	Numerical Analysis	3	0	3	3

Third Semester * *Social Elective Course 1*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
SOS201	Communication	2	0	2	2
SOS203	Environmental Management System	2	0	2	2
SOS205	Engineering Economics	2	0	2	2
SOS207	Critical Analytical Thinking	2	0	2	2
SOS209	History of Science	2	0	2	2
SOS211	Volunteer Work	2	0	2	2

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Fourth Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK234	Internship 1	0	2	1	2
MAK220	Thermodynamics I	3	0	3	4
MAK206	Strength of Materials II	3	0	3	4
MAK222	Manufacturing Processes II	3	0	3	4
MAT202	Differential Equations	4	0	3	4
MAK224	Introduction to Alternating and Direct Current Circuits	3	0	3	4
MUH204	Occupational Health and Safety	2	0	2	3
MAKSEC2	Vocational Elective Course 2	3	0	3	3
SOSSEC2	Social Elective Course 2	2	0	2	2
Total		23	2	23	30

Fourth Semester * *Professional Elective Course 2*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK232	Composite Materials	3	0	3	3
MAK226	Engineering Materials	3	0	3	3
MAK228	Exhaust Emissions	3	0	3	3
MAK230	Chassis and Body Design	3	0	3	3

Fourth Semester * *Social Elective Course 2*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
SOS202	Public Relations	2	0	2	2
SOS204	First Aid	2	0	2	2

SOS206	Environmental Pollution Control	2	0	2	2
SOS208	Artificial Intelligence Methods	2	0	2	2
SOS210	Research and Investigation Techniques	2	0	2	2

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Fifth Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK321	Fluid Mechanics I	4	0	4	5
MAK323	Machine Elements I	3	0	3	4
MAK325	Heat Transfer I	3	0	3	4
MAK327	Mechanisms	3	0	3	5
MAK329	Machine Laboratory I	0	3	2	6
MAK319	Thermodynamics II	3	0	3	4
SOSSEC3	Social Elective Course 3	2	0	2	2
Total		2	3	20	30

Fifth Semester * *Social Elective Course 3*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
SOS301	Patent and Industrial Design	2	0	2	2
SOS303	Environment and Ecology	2	0	2	2
SOS305	Art History	2	0	2	2
SOS307	Sign Language	2	0	2	2
SOS309	Operations Research	2	0	2	2
SOS311	Technology and Innovation Management	2	0	2	2

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Sixth Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK360	Internship 2	0	2	1	3
MAK322	Fluid Mechanics II	4	0	4	4
MAK324	Machine Elements II	3	0	3	4
MAK306	Heat Transfer II	3	0	3	4
MAK308	Machine Dynamics	3	0	3	4
MAKSEC3	Vocational Elective Course 3	3	0	3	3
MAKSEC3	Vocational Elective Course 3	3	0	3	3
MAKSEC3	Vocational Elective Course 3	3	0	3	3
SOSSEC4	Social Elective Course 4	2	0	2	2
Total		24	2	25	30

Sixth Semester * *Vocational Elective Course 3*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK330	Internal Combustion Engines	3	0	3	3

MAK332	Hydraulic Machines	3	0	3	3
MAK334	Design of Control Systems	3	0	3	3
MAK336	Control Elements and Applications	3	0	3	3
MAK356	Heat Exchanger Design	3	0	3	3
MAK338	Welding Technology	3	0	3	3
MAK340	Fundamentals of Mold Design and Manufacturing	3	0	3	3
MAK342	Solid Modeling	3	0	3	3
MAK344	Mass Transfer	3	0	3	3
MAK346	Heat Pumps	3	0	3	3
MAK348	Introduction to Elasticity Theory	3	0	3	3
MAK350	Professional English I	3	0	3	3
MAK352	System Modeling and Analysis	3	0	3	3
MAK354	Insulation Techniques	3	0	3	3
MAK358	Electrical Machines	3	0	3	3

Sixth Semester * *Social Elective Course 4*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
SOS302	Entrepreneurship	2	0	2	2
SOS304	Ahilik and Professional Ethics	2	0	2	2
SOS306	Production Planning	2	0	2	2
SOS308	Ergonomics	2	0	2	2
SOS310	Climate Change and Sustainable Management	2	0	2	2
SOS312	Career Planning and Development	2	0	2	2
SOS314	International Relations	2	0	2	2

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Seventh Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK429	Machine Laboratory II	0	3	2	4
MAK431	Final Project	0	0	1	4
MAKSEC4	Vocational Elective Course 4	3	0	3	5
MAKSEC4	Vocational Elective Course 4	3	0	3	5
MAKSEC4	Vocational Elective Course 4	3	0	3	5
MAKSEC4	Vocational Elective Course 4	3	0	3	5
SOSSEC5	Social Elective Course 5	2	0	2	2
Total		14	3	17	30

Seventh Semester * *Elective Vocational Course 4*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MAK433	Industrial Hydraulics and Pneumatics	3	0	3	5
MAK435	Computer-Aided Engineering Analysis	3	0	3	5
MAK437	Computer Programming	3	0	3	5
MAK439	Building Installation	3	0	3	5
MAK441	Heating and Ventilation Engineering	3	0	3	5

MAK445	Cooling Technology	3	0	3	5
MAK425	Thermal Turbo Machines	3	0	3	5
MAK449	Manufacturing Methods of Plastics	3	0	3	5
MAK443	Introduction to Mechatronics	3	0	3	5
MAK451	Introduction to the Finite Element Method	3	0	3	5
MAK453	Non-Destructive Testing	3	0	3	5
MAK445	Design of Machine Tools	3	0	3	5
MAK457	Gas Turbines and Jet Propulsion Systems	3	0	3	5
MAK459	Steam Boilers	3	0	3	5
MAK461	Professional English II	3	0	3	5
MAK463	Introduction to Fracture Mechanics	3	0	3	5
MAK465	Introduction to Plasticity Theory	3	0	3	5
MAK467	Tribology	3	0	3	5
MAK469	Energy Management	3	0	3	5
MAK471	Introduction to Robotic Systems	3	0	3	5
MAK473	Mechanical Vibrations	3	0	3	5
MAK475	Introduction to Aerodynamics	3	0	3	5
MAK477	Fuels and Combustion	3	0	3	5
MAK479	Thermal Processing	3	0	3	5
MAK481	Machine Design	3	0	3	5

Seventh Semester * *Social Elective Course 5*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
SOS401	Labor Law	2	0	2	2
SOS403	Intellectual and Industrial Property	2	0	2	2
SOS405	Energy Conservation in Industry	2	0	2	2
SOS407	Business Management and Administration	2	0	2	2
SOS409	Factory Organization and Facility Planning	2	0	2	2
SOS411	Productivity Measurement and Analysis	2	0	2	2
SOS413	Risk Management	2	0	2	2
SOS415	Energy and Environment	2	0	2	2

T: Theory **U:** Application **UK:** National Credit **ECTS:** European Credit Transfer System

Eighth Semester *					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
UME404	Engineering Adaptation	0	0	1	1
MUHSEC8	Engineering Elective Course	2	0	3	5
MUHSEC8	Engineering Elective Course	2	0	3	5
MUHSEC8	Engineering Elective Course	2	0	3	5
Total		6	0	10	30

Eighth Semester * *Engineering Elective Course*					
Course Code	**Course Name**	**T**	**U**	**UK**	**ECTS**
MUH402	Innovation and Product Development	2	0	3	5

MUH404	Quality Control and Standards	2	0	3	5
MUH406	Productivity Management	2	0	3	5
MUH408	Organizational Behavior for Engineers	2	0	3	5
MUH410	Business Establishment and Government Supports	2	0	3	5

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OUR ACTIVITIES

Our department offers two summer internship programs. In addition, we also have an "engineering intern" program. As part of this program, our students take Applied Engineering Education (AEE) courses during their final year of study. This allows them to gain private sector experience while still students. During the AEE program, our students' insurance costs are covered by our university.

ACADEMIC STAFF

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Prof. Dr. Cem ONAT

Prof. Dr. İsmail BOZKURT

Prof. Dr. Şerif ÇİTİL

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Assoc. Prof. Dr. Münür Sacit HERDEM

Assoc. Prof. Dr. Taha Tuna GÖKSU

Assoc. Prof. Dr. Zeynal Abidin OĞUZ

Assoc. Prof. Dr. Kaan Emre ENGİN

Assoc. Prof. Dr. Ali İhsan KAYA

Assistant Professor Mahmut TANDOĞAN

Research Assistant Dr. Ekrem TAÇGÜN

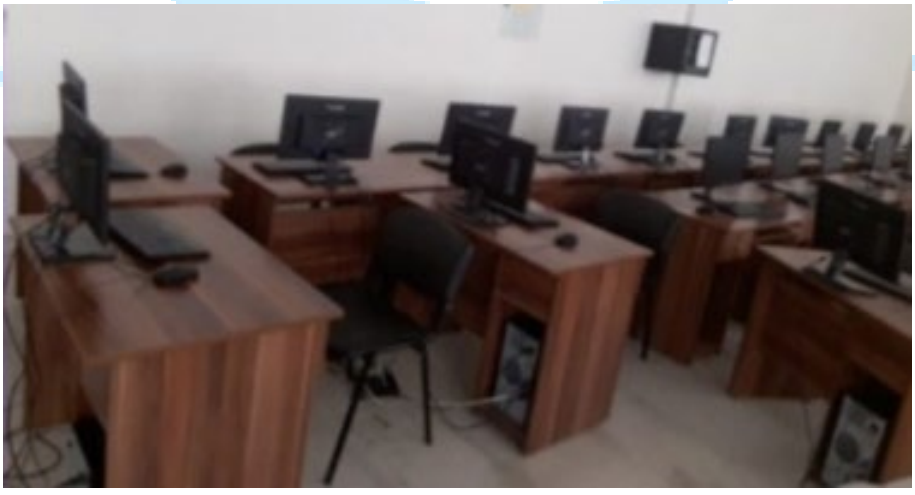
Research Assistant Dr. İrem Cemre TÜRÜ

Research Assistant Dr. Fatih KIRBIYIK

CLASSROOMS, LABORATORIES, AND WORKSHOPS

Our Classrooms;

Our laboratories;



Computer Laboratories

Thermodynamics and Energy Laboratories

Our Workshops;

CNC (Mechanical Workshop)

Tensile Testing Machine (Mechanical Workshop)

Impact Test Machine and Training Tool (Construction and Manufacturing Workshop)

CONTACT

Adıyaman University Faculty of Engineering

Department of Mechanical Engineering

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FACULTY OF ENGINEERING

DEPARTMENT OF TEXTILE ENGINEERING

INTRODUCTORY BOOKLET

2026-2027

CONTENTS

OUR DEPARTMENT

Department of Textile Engineering at Adıyaman University was established under the Faculty of Engineering, in 2018, and started accepting students in 2018-2019 academic year. Since 2018, the department has been continuing its education and teaching activities in Mehmet Erdemoğlu Faculty of Architecture building located at Adıyaman University Besni Campus.

Department Head

Assoc. Prof. Dr. Selçuk POYRAZ

ACADEMIC STAFF

- ***Division of Textile Technologies***
    - Prof. Dr. Seval UYANIK
    - Assist. Prof. Dr. Pınar PARLAKYİĞİT
    - Dr. Esin BABALIK (Assigned Lecturer)

- ***Division of Textile Sciences***
    - Assoc. Prof. Dr. Burcu SANCAR

- ***Division of Textile Machinery***
    - Assoc. Prof. Dr. Selcuk POYRAZ

MISSION & VISION

Mission

Our mission is both to train engineers, who can work successfully in every field related to the Textile Engineering profession, are equipped with a modern and high quality education, are open to development, have creative ideas and ethical values, are strong in communication and problem solving, and also to present the results obtained from the scientific studies to the service of the textile industry.

Vision

Our vision is to become a respected and pioneering education and research institution that trains textile engineers, who are experts in the field of Textile Engineering, and who can carry out studies to transform their knowledge into benefit for society and humanity, through our effective and up-to-date education plans given at international level.

THE IMPORTANCE OF TEXTILE ENGINEERING DEPARTMENTS

The textile industry, which is described as "labor-intensive", and plays a locomotive role for the economies of "developing countries", including ours, economically has a very important place by having ~$30 billion share in total exports, and also ~6% contribution in total employment. For this reason, beeing in need of engineers with the knowledge and understanding of both the requirements, and also with the ability to interpret them for the development of textile industry, reveals the importance of Textile Engineering departments.

WHY TEXTILE ENGINEERING DEPARTMENT?

According to the data published in the Turkish Presidency Uni-Veri information resource, graduates of the department who received the Textile Engineering education, given in 14 state universities in our country; rank 1st among those who can find a job in the shortest time (average 4 months 2 days), and 5th among those the most employed in the sector (with 67% share).

JOB OPPORTUNITIES FOR GRADUATES

Textile Engineering graduates are employed in the production, planning, process and quality control, research and development (R&D), product development (P&D), and marketing departments of the companies/enterprises/research centers operating in relevant sectors.

THE HIGHEST AND LOWEST PLACEMENT SCORES ACCORDING TO THE CENTRAL PLACEMENT RESULTS

According to the central placement results announced by the Presidency of Measurement, Selection and Placement Center (OSYS) in 2025, 10+1+1 student quotas opened in total, have been filled by two students placed in our department. Currently, 41 registered students continue their education in our department.

OUR COURSE CATALOGUE

SEMESTER I

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
AIIT101	Ataturk's Principles and History of Revolutions I	C	2	0	0	2	2
TD101	Turkish Language I	C	2	0	0	2	2
YD101	English Language I	C	3	0	0	3	3
MAT101	Calculus I	C	3	1	0	4	5
KIM101	Chemistry	C	2	0	2	3	4
FIZ101	Physics I	C	2	0	2	3	4
TLZ101	Introduction to Textile Engineering	C	2	0	0	2	2
TLZ103	Natural Fibers	C	2	1	0	3	3
TLZ105	Technical Drawing I	C	1	2	0	2	3
ENF101	Basics of Information Technologies I	C	2	0	0	2	2
		TOTAL	**20**	**4**	**4**	**25**	**30**

SEMESTER II

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
AIIT102	Ataturk's Principles and History of Revolutions II	C	2	0	0	2	2
TD102	Turkish Language II	C	2	0	0	2	2
YD102	English Language II	C	3	0	0	3	3
MAT102	Calculus II	C	3	1	0	4	5
FIZ104	Physics II	C	2	0	2	3	4
KIM106	Organic Chemistry	C	2	0	1	3	3
TLZ102	Synthetic Fibers	C	2	1	0	3	4
TLZ104	Technical Drawing II	C	1	2	0	2	3
TLZ106	Materials Science	C	2	0	0	2	2
ENF102	Basics of Information Technologies II	C	2	0	0	2	2
		TOTAL	**20**	**4**	**3**	**25**	**30**

SEMESTER III

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
MUH201	Statistics	C	2	0	0	2	3
TLZ201	Machine Elements	C	2	0	0	2	3
TLZ203	Statics	C	2	0	0	2	3
TLZ205	Dynamics	C	2	0	0	2	3
TLZ207	Textile Chemistry	C	1	0	2	2	3
TLZ209	Yarn Spinning Technology	C	2	1	0	3	4
TLZ211	Weaving Technology	C	2	1	0	3	3
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
		TOTAL	**19**	**2**	**2**	**22**	**30**

SEMESTER III PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLS201	Polymer Technology	E	2	0	0	2	3
TLS203	Chromatics	E	2	0	0	2	3
TLS205	Textile Industry and Ecology	E	2	0	0	2	3
TLS207	Machine Dynamics	E	2	0	0	2	3
TLS209	Mechatronics	E	2	0	0	2	3

SEMESTER III SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
SOS201	Communication	E	2	0	0	2	2
SOS203	Environment Management Systems	E	2	0	0	2	2
SOS205	Engineering Economy	E	2	0	0	2	2
SOS207	Critical Analytic Thinking	E	2	0	0	2	2
SOS209	History of Science	E	2	0	0	2	2
SOS211	Volunteering Study	E	2	0	0	2	2

SEMESTER IV

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
MUH202	Differential Equations	C	3	0	0	3	4
MUH204	Occupational Health and Safety	C	2	0	0	2	3
TLZ202	Strength of Materials	C	2	0	0	2	3
TLZ04	Fluid Mechanics	C	2	0	0	2	3
TLZ206	Knitting Technology	C	2	1	0	3	4
TLZ208	Finishing Technology	C	2	1	0	3	4
TLZ210	Clothing Technology	C	2	1	0	3	4
TLZ212	Internship II	C	0	0	0	0	0
TLS	Professional Elective Course II	E	2	0	0	2	3
SOSSEC	Social Elective Course II	E	2	0	0	2	2
		TOTAL	**19**	**3**	**0**	**22**	**30**

SEMESTER IV PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLS202	Textile Auxiliaries	E	2	0	0	2	3
TLS204	Electric and Electronic Information	E	2	0	0	2	3
TLS206	Control Systems	E	2	0	0	2	3
TLS208	Mechanism Technique	E	2	0	0	2	3
TLS210	Numerical Analysis	E	2	0	0	2	3

SEMESTER IV SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
SOS202	Public Relations	E	2	0	0	2	2
SOS204	First Aid	E	2	0	0	2	2
SOS206	Environmental Pollution and Control	E	2	0	0	2	2
SOS208	Artificial Intelligence Methods	E	2	0	0	2	2
SOS210	Research and Investigation Techniques	E	2	0	0	2	2

SEMESTER V

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLZ301	Thermodynamics and Heat Transfer	C	2	0	0	2	3
TLZ303	Short Staple Fiber Spinning	C	2	1	0	3	4
TLZ305	Weaving Preparations	C	1	1	0	2	3
TLZ307	Weaving Construction	C	2	1	0	3	4
TLZ309	Finishing Preparations	C	2	0	2	3	4
TLZ311	Physical Textile Testing	C	2	0	2	3	4
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
		TOTAL	**17**	**3**	**4**	**22**	**30**

SEMESTER V PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLS301	Synthetic Yarn Spinning	E	2	0	0	2	3
TLS303	Work and Time Study	E	2	0	0	2	3
TLS305	Textile Composites	E	2	0	0	2	3
TLS307	Nanotechnology Applications in Textile	E	2	0	0	2	3
TLS309	Professional English I	E	2	0	0	2	3

SEMESTER V SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
SOS301	Patent and Industrial Design	E	2	0	0	2	2
SOS303	Environment and Ecology	E	2	0	0	2	2
SOS305	History of Art	E	2	0	0	2	2
SOS307	Sign Language	E	2	0	0	2	2
SOS309	Operations Research	E	2	0	0	2	2
SOS311	Technology and Innovation Management	E	2	0	0	2	2

SEMESTER VI

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLZ302	Long Staple Fiber Spinning	C	2	1	0	3	3
TLZ304	Weaving Machinery	C	2	1	0	3	4
TLZ306	Woven Fabric Analysis	C	1	1	0	2	3
TLZ308	Weft Knitting	C	2	1	0	3	4
TLZ310	Dyeing and Printing Technologies	C	2	0	2	3	4
TLZ312	Chemical Textile Testing	C	2	0	2	3	4
TLZ314	Internship III	C	0	0	0	0	0
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
		TOTAL	**17**	**4**	**4**	**22**	**30**

SEMESTER VI PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLS302	Wool Spinning	E	2	0	0	2	3
TLS304	Warp Knitting	E	2	0	0	2	3
TLS306	Apparel Modeling	E	2	0	0	2	3
TLS308	Organization and Planning in Clothing	E	2	0	0	2	3
TLS310	Sustainability in Textile	E	2	0	0	2	3
TLS312	Professional English II	E	2	0	0	2	3

SEMESTER VI SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
SOS302	Entrepreneurship	E	2	0	0	2	2
SOS304	Akhism and Professional Ethics	E	2	0	0	2	2
SOS306	Production Planning	E	2	0	0	2	2
SOS308	Ergonomics	E	2	0	0	2	2
SOS310	Climate Change and Sustainable Management	E	2	0	0	2	2
SOS312	Career Planning and Development	E	2	0	0	2	2
SOS314	International Relations	E	2	0	0	2	2

SEMESTER VII

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLZ401	New Yarn Spinning Technologies	C	1	1	0	2	3
TLZ403	Textile Finishing	C	2	0	2	3	4
TLZ405	Nonwoven Technologies	C	2	1	0	3	4
TLZ407	Production and Cost Accounts in Textile	C	3	1	0	4	4
TLZ409	Graduation Project	C	0	2	0	1	4
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
		TOTAL	**16**	**5**	**2**	**21**	**30**

SEMESTER VII PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
TLS401	Fancy Yarn Spinning	E	2	0	0	2	3
TLS403	Texturing	E	2	0	0	2	3
TLS405	Pile Fabric Technology	E	2	0	0	2	3
TLS407	Knitted Fabric Analysis	E	2	0	0	2	3
TLS409	Coating and Lamination Technologies in Textile	E	2	0	0	2	3
TLS411	Computerized Modeling	E	2	0	0	2	3
TLS413	Fashion and Design	E	2	0	0	2	3
TLS415	Technical Textiles	E	2	0	0	2	3

SEMESTER VII SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
SOS401	Occupational Law	E	2	0	0	2	2
SOS403	Intellectual and Industrial Property	E	2	0	0	2	2
SOS405	Power Savings in Industry	E	2	0	0	2	2
SOS407	Business Administration and Management	E	2	0	0	2	2
SOS409	Plant Organization and Planning	E	2	0	0	2	2
SOS411	Productivity Measurement and Analysis	E	2	0	0	2	2
SOS413	Risk Management	E	2	0	0	2	2
SOS415	Energy and Environment	E	2	0	0	2	2

SEMESTER VIII

Course Code	Course Name	Type	Theory	Practice	Laboratory	Credit	ECTS
UME402	Adaptation to Engineering	C	0	2	0	1	15
TLZ404	Supply Chain and Marketing in Textile (REMED)	C	2	0	0	2	5
TLZ406	Quality Control and Standards (REMED)	C	2	0	0	2	5
TLZ408	Innovation and Product Development (REMED)	C	2	0	0	2	5
		TOTAL	**6**	**2**	**0**	**7**	**30**

OUR DEPARTMENTAL ACTIVITIES

As of the date of its establishment, within the framework of the protocol signed between Adıyaman University (ADYU) Support Foundation and Merinos Carpet Industry and Trade Inc. (Erdemoğlu Holding), to students who prefer and enroll to our department; are given non-refundable scholarships of 4000 TL/month* (*by 2025 and updated yearly) during their education, and summer internship and applied engineering education (UME) opportunities are also provided in enterprises affiliated to the holding, while employment is given priority after graduation.

In addition, within the framework of "My Choice is Textile Engineering" protocol signed between the Presidency of Higher Education Institution (YÖK) and related exporter unions in 2019, the students of our department are given "non-refundable scholarships at certain rates of the current minimum wage" throughout their education, and "guaranteed employment within the companies included in the union" for the first 5 years following their graduation.

With the opportunities offered within the scope of internship protocols signed with partner enterprises, both internships are offered every summer, and UME is performed during 8. semester by the students of our department to both become able to respond to the needs of the textile industry, and to gain industrial experience during their education.

In addition, within the scope of the Erasmus+ Student Exchange Program, in order for our students to improve themselves at the international level, they are given the opportunity to be contracted universities in Europe for up to 10 months for education purposes, and up to 4 months for internship activities.

Our department, has a total of 6 Organized Industrial Zones, 5 of which are in metropolitan cities (Gaziantep, Kahramanmaraş, Şanlıurfa, Malatya, Diyarbakır) in its close vicinity, and thus, is in a very advantageous location in terms of textile industry. Also, both our academic staffs' active roles in the management and commissions of the Southern Region Branch of the Chamber of Textile Engineers (TMO-GBŞ), and our department's Advisory Board, which consists of the representatives of partner companies operating in the sector at Adıyaman, enables an ever increasing and solidifying academia-industry cooperation, as well.

ADYU FACULTY OF ENGINEERING
DEPARTMENT OF TEXTILE ENGINEERING

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