



**ADIYAMAN UNIVERSITY  
VOCATIONAL SCHOOL OF TECHNICAL SCIENCES**

**MACHINE AND METAL TECHNOLOGIES  
DEPARTMENT**

**INTRODUCTORY BOOKLET**

2025-2026

## CONTENTS

- Our department
- Mission -Vision
- Importance of the Department of Machinery and Metal Technologies
- Why Machinery and Metal Technologies department?
- Job Opportunities for Our Graduates
- Our Highest and Lowest Placement Scores According to Central Placement
- Our Course Catalog
- Our activities

## **Our department;**

Adiyaman University Vocational School was established in 1983 within Malatya İnönü University. It was affiliated with Adiyaman University with the law numbered 5467 dated 1 March 2006, which came into force after being published in the Official Gazette dated 17 March 2006 and numbered 26111. Machinery and Metal Technologies Program was established in 2008. The department accepted its first students in the 2009-2010 academic year and had its first graduates in June 2011.

## **Mission - Vision**

### **Our Mission;**

Raising individuals who are equipped with universal values, constantly renewing themselves, aiming for lifelong learning, capable of analysis and solution, creative, entrepreneurial, questioning, solution-oriented, prone to team work; To train qualified "TECHNICIANS AND TECHNICAL STAFF" needed by the industry.

### **Our vision;**

To raise conscious students who can adapt to technological developments, who perceive the needs of the age, who are sensitive to regional and national problems, to continue our work to meet our country's need for qualified technical personnel, to continue our work to increase university, industry and society cooperation with innovative and entrepreneurial practices, to work nationally and internationally. To continue our mission as a recognized, respected and leading vocational school.

## ACADEMIC STAFF

### Prof. Dr. Turhan KOYUNCU

Head of department

#### Areas of expertise:

- Low Temperature Solar Energy Applications
- Low Power Solar Cell Applications
- Solar Powered and Electric Vehicles
- Energy Use in Agriculture
- Drying of Agricultural Products and Dryers



### Assoc. Prof. Dr. Fuat LÜLE

Head of Department Asst.

#### Areas of expertise:

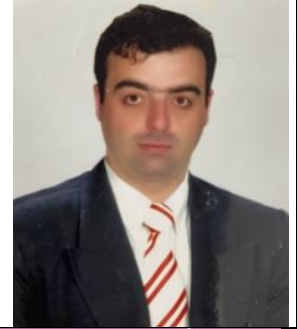
- Energy Use in Agriculture
- Drying of Agricultural Products and Dryers
- Low Temperature Solar Energy Applications



### Assoc. Prof. Dr. Vahdettin KOÇ

#### Areas of expertise:

- Powder Metallurgy
- Welding Technologies
- Tribology



### Prof. Dr. Mehtap DEMİREL

#### Areas of expertise:

- Biomaterials
- Polymeric Materials
- Tribology



### **Asst. Prof. Dr. Aykut GÜZEL**

Head of Department Asst.

#### Areas of expertise:

- Renewable energy
- Fluid mechanics
- Thermodynamics
- Heat transfer



### **Lecturer Dr. İbrahim SANCAR**

#### Areas of expertise:

- Energy
- CFDs
- Thermodynamics



### **Lecturer Serkan ÇAĞ**

#### Areas of expertise:

- Renewable energy
- Fluid mechanics
- Thermodynamics
- Heat transfer



### **Lecturer Tuğba Yıldız SAYGILI**

#### Areas of expertise:

- Quality management
- Production Planning



## **The Importance of the Department of Machinery and Metal Technologies**

The department of machinery and metal technology provides training to its students on the design, production and maintenance of machinery and metal products. Students gain skills to work in areas such as the design, production and maintenance of machinery and metal products. This program also helps students understand the structure, properties and uses of products such as machinery and metal products.

At the end of vocational training, our graduates; They gain the necessary skills and technological knowledge for the construction of machine parts by using conventional machine tools such as lathe, milling, grinding and advanced computer-controlled CNC machines.



## **Job Opportunities for Our Graduates**

Graduates of the Machinery and Metal Technologies Program; While they can continue their undergraduate education with DGS, they can be employed in many fields such as the machinery industry, aviation and space industry, production and manufacturing industry, material industry, automotive industry, design industry, construction and energy industry.

### **• Vertical Transfer Status of the Program to Undergraduate Programs:**

There are many areas where students who graduate from the Mechanical Program can enroll if they pass the Vertical Transfer Exam (DGS). These 4-year undergraduate courses are:

- Casting Teaching
- Industrial Technology Teaching
- Naval Architecture Engineering
- Naval Architecture and Marine Mechanical Engineering
- Ship Machinery Management Engineering
- Manufacturing engineering
- Molding Teaching
- Mechanical Engineering
- Machine Drawing and Construction Teaching
- Material science and engineering
- Materials Engineering
- Metal Teaching
- Metallurgy and Materials Engineering
- Automotive engineering
- Automotive Teaching
- Machining Teaching
- Design and Construction Teaching
- Production Engineering



## Our Highest and Lowest Placement Scores According to Central Placement

According to the ÖSYS placement results announced by the Measurement, Selection and Placement Center in our department in 2023;

While the student was placed with the highest score of 379,020, the student was placed with the lowest score of 251,264.

All 30 student quotas in total have been filled. 100 students continue their education in our department.



## Course Catalog

### 1st Semester Lesson Plan

Lesson code	Course name	T+U+L	Compulsory/ Optional	AKTS
AİİT 101	THE PRINCIPLES OF ATATÜRK AND THE HISTORY OF THE REVOLUTION I	2+0+0	Compulsory	2
ENF101	THE USE OF BASIC INFORMATION TECHNOLOGY	2+0+0	Compulsory	2
MMT 101	MATHEMATICS	4+0+0	Compulsory	4
MMT 103	PHYSIC	4+0+0	Compulsory	4
MMT 105	TECHNICAL DRAWING	1+3+0	Compulsory	4
MMT 107	BASIC MANUFACTURING OPERATIONS	1+2+0	Compulsory	5
MMT 109	COMPUTER AIDED DRAWING I	1+2+0	Compulsory	4
TD 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
YD 101	FOREIGN LANGUAGE I	2+0+0	Compulsory	3
			Total AKTS	30

### 2nd Semester Lesson Plan

Lesson code	Course name	T+U+L	Compulsory/ Optional	AKTS
AİİT 102	THE PRINCIPLES OF ATATÜRK AND THE HISTORY OF THE REVOLUTION II	2+0+0	Compulsory	2
MMT 102	VOCATIONAL MATHEMATICS	2+0+0	Compulsory	4
MMT 104	MACHINE OCCUPATION PICTURE	1+1+0	Compulsory	2
MMT 106	COMPUTER AIDED DRAWING II	1+2+0	Compulsory	3
MMT 108	CNC TECHNOLOGY I	1+3+0	Compulsory	5
MMT 110	MANUFACTURING OPERATIONS I	2+2+0	Compulsory	4
MMT 112	MATERIAL TECHNOLOGY	3+0+0	Compulsory	5
TD 102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
YD 102	FOREIGN LANGUAGE II	2+0+0	Compulsory	3
			Total AKTS	30

### 3rd Semester Lesson Plan

TEKNOLOJİLERİ BÖLÜMÜ TANITIM KİTAPÇIĞI

2025-2026

Lesson code	Course name	T+U+L	Compulsory/ Optional	AKTS
MMT 201	COMPUTER AIDED PRODUCTION	1+3+0	Compulsory	4
MMT 203	MACHINE ELEMENTS	2+1+0	Compulsory	3
MMT 205	THERMO DYNAMIC	3+0+0	Compulsory	4
MMT 207	MANUFACTURING OPERATIONS II	2+1+0	Compulsory	3
MMT 209	CNC TECHNOLOGY II	1+3+0	Compulsory	5
MMT 213	WELDING TECHNOLOGY	2+1+0	Compulsory	3
ST 201	INTERNSHIP I	0+0+0	Compulsory	4
SEÇ.1	ELECTIVE POOL	2+0+0	Optional	4
			Total AKTS	30

#### 4th Semester Lesson Plan

Lesson code	Course name	T+U+L	Compulsory/ Optional	AKTS
MMT 202	COMPUTER AIDED MANUFACTURING II	1+2+0	Compulsory	3
MMT 204	SYSTEM ANALYSIS AND DESIGN	2+0+0	Compulsory	3
MMT 206	UNCONVENTIONAL PRODUCTION METHODS	3+0+0	Compulsory	3
MMT 208	HYDRAULIC PNEUMATIC	4+0+0	Compulsory	4
MMT 210	REVERSE ENGINEERING AND QUALITY CONTROL	3+0+0	Compulsory	4
MMT 212	WORK PATTERNS	2+0+0	Compulsory	4
ST 202	INTERNSHIP II	0+0+0	Compulsory	4
SEÇ. 1	ELECTIVE I	2+0+0	Optional	3
SKS	OUTSIDE THE FIELD ELECTIVE COURSE	1+1+0	Optional	2
			Total AKTS	30

**Department of Machinery and Metal Technologies,**

**Our Machine Program Activities**

TEKNİK BİLİMLER MESLEK YÜKSEKOKULU MAKİNE VE METAL  
TEKNOLOJİLERİ BÖLÜMÜ TANITIM KİTAPÇIĞI

2025-2026

As the Department of Machinery and Metal Technologies, we invite people from relevant professions working in the private and public sectors in Adiyaman to our department and provide professional information. It organizes technical trips and trips to important and large companies every semester. In addition, social activities such as trips, group meals, etc. are organized together with our students and department faculty members every semester.



**ADIYAMAN UNIVERSITY**

**TECHNICAL SCIENCES**

**VOCATIONAL SCHOOL**

**Adress**

Adiyaman University  
Technical Sciences Vocational  
School,

Machine and Metal Technologies

Department

Floor:2 02040, /ADIYAMAN

**Telefon:**+90(416)2233800

**Faks:**+90(416)2231774

**İnternet:** <https://tbmyo.adiyaman.edu.tr/tr/bolumler/makine-ve-metal-teknolojileri-bolumu>