

AIRCRAFT MAINTENANCE AND REPAIR DEPARTMENT

Istanbul Gelişim University Faculty of Applied Sciences

“ Your education in aviation and aircraft maintenance will be the first step on your journey to success in the industry.

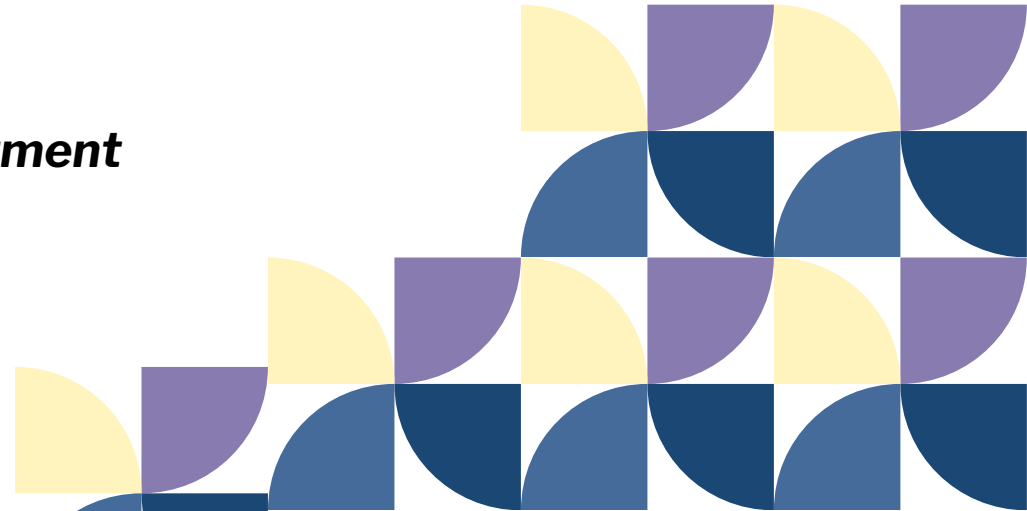
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Assist Prof. Sinem GÜRKAN

Head of Aircraft Maintenance and Repair Department



 **Uygulamalı Bilimler
Fakültesi**



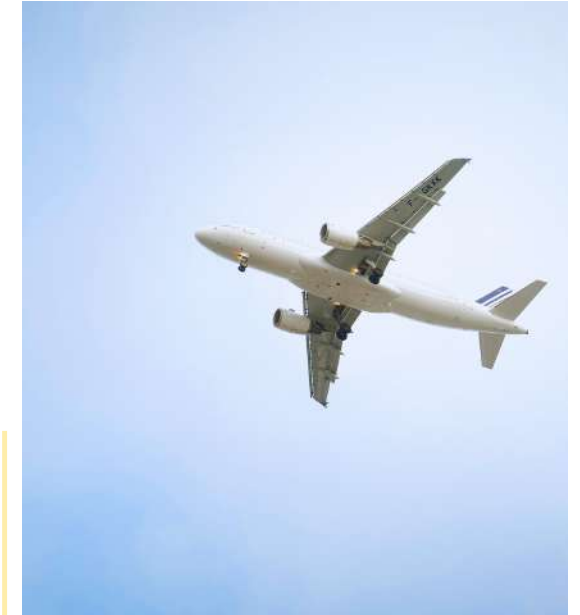


Aircraft Maintenance and Repairers of the Future are Being Trained Here!"

Aircraft maintenance and repair is a critical area that ensures the safe and efficient operation of the aviation industry. Students studying in this department specialize in the regular maintenance, repair and periodic checks of aircraft.

The quality and performance of aircraft depend on the meticulous maintenance performed by these specialists. Regular maintenance and repair ensures the prevention of in-flight malfunctions, thus maximizing the safety of both passengers and crew. It also extends the economic life of aircraft, reducing airline costs and increasing operational efficiency.

Aircraft maintenance and repair department not only provides technical knowledge and skills, but also makes significant contributions to the sustainability and development of the aviation industry. Therefore, professionals trained in this department are indispensable elements of the aviation industry.



"The future is in the sky. "

Mustafa Kemal Atatürk





Aim of the Department

The program of the Aircraft Maintenance and Repair department trains licensed technician candidates by providing students with the knowledge, skills and hands-on experience necessary to ensure the safety of aircraft. They also learn to ensure the safety of aircraft and maintain high quality standards by learning compliance with international quality standards. The program is constantly updated to adapt to technological advances in the aviation industry and provides students with the opportunity to use state-of-the-art equipment and learn modern maintenance and repair techniques.



Future of the Department

Airframe Engine Maintenance Department aims to provide education in accordance with the European Union Standards, **SHT-147/SHT-66/ EASA Part-66** Aircraft Maintenance Personnel Regulation and **SHT-147/SHT-66/ EASA Part-147** Aircraft Maintenance Training Institutions Regulation within the framework of the principles determined by YÖK. In this context, our department has been approved as a "**RECOGNIZED SCHOOL**" by the Directorate General of Civil Aviation.



Department Activities

- **Workshops**
- **Panel discussions**
- **Trips**
- **Speeches**
- **Student Club activities**
- **Competitions**
- **Seminars and Symposiums**



MODULE EXAMS

Aviation module exams are exams to verify the specific knowledge and skill levels of people who work or want to work in aviation maintenance and engineering fields. These exams are usually organized according to the standards set by aviation authorities such as EASA (European Aviation Safety Agency). Our students are eligible to take the module exams after they are successful in their courses.

TASK TRAININGS

Aviation module exams are exams to verify the specific knowledge and skill levels of people who work or want to work in aviation maintenance and engineering fields. These exams are usually organized according to the standards set by aviation authorities such as EASA (European Aviation Safety Agency). Our students receive these trainings from experts in their fields in approved laboratories.



SINIF Class	LİSANS KATEGORİSİ License Category	SINIRLAMA Limitation
TEMEL (Basic)	A1	TA1 Türkçe Motorlu Uçak
TEMEL (Basic)	B1.1	TB1.1 Türkçe Motorlu Uçak
TEMEL (Basic)	B2	TB2 Arayıcı

Bu onay kapsamı, onaylı bakım eğitim kuruluşu el kitabının ilgili kısmı bölümünde belirtilen eğitimler ve sınavlar ile sınırlıdır.
This approval schedule is limited to those trainings and examinations specified in the scope of work section of the approved maintenance training organisation exposition.

Bakım Eğitim Kuruluşu El Kitabı referansı:
Maintenance Training Organisation Exposition reference:
Düzenlenme Tarihi: 11/09/2023
Date of Issue:
Revizyon Tarihi: 11/09/2023
Date of Revision:
Revizyon No: 01
Revision No:

Murat TOPCU
Genel Müdür Yrd. V.
A. Deputy Director General

Elektronik İmza: Electronically Signed
Doğrulama Adresi: <https://www.tuhya.gov.tr/ihgm-ekya>
Verification Address:
Kare kod okutulduktan sonra onay durumu doğrulanabilir.



Program and Curriculum Information

According to the course distributions prepared according to AQAS and SHY-147 A1 Turbine Aircraft criteria, the ECTS rates of elective courses, department courses, complementary courses and compulsory HEC courses in the curriculum of the Department of Aircraft and Repair are distributed. Compulsory HEC courses are Turkish Language I, Atatürk's First and Revolution. History I, Foreign Language I, Turkish Language II, Atatürk's First. History II, Foreign Language II. It is 14 ECTS in total. Elective courses are 60 ECTS in total. There are field and non-field elective courses in the department elective course pool.

It is prepared in accordance with AQAS and SHY-147/SHT147 criteria. Before graduation, an undergraduate student has to take 240 ECTS worth of courses in the department curriculum. In A1 Turbine Aircraft category, 25% of the curriculum consists of elective courses and 13% of the curriculum consists of complementary courses. Aircraft Maintenance and Repair Department students take elective courses in 3rd and 4th year.

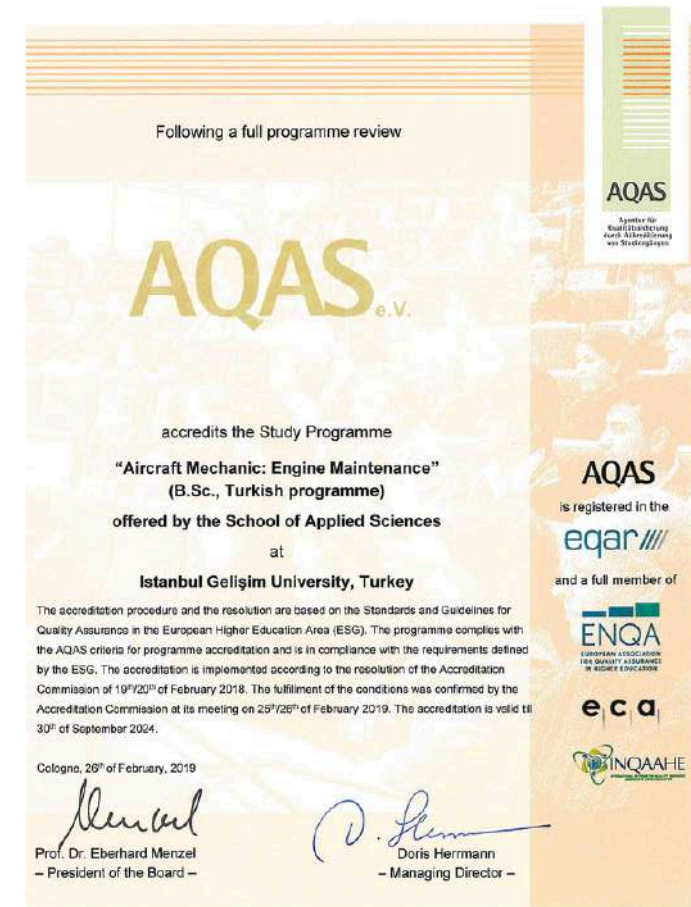


Department Accreditation

Attaching great importance to internationalization in education, Istanbul Gelisim University offers education opportunities to its students and graduates through international accreditation and protocols signed with foreign universities.

"The Faculty of Applied Sciences Aircraft Maintenance and Repair Department has been accredited by the AQAS organization, which is a member of the European Quality Assurance Association, since 2018 and received their accreditation documents in 2019. They continue to work for the continuation of accreditation."

AQAS, which was established in Germany in 2002 and is a member of the European Quality Assurance Association, is an organization that has evaluated more than 5000 programs worldwide. It has accredited educational programs of more than 90 German universities. Its accreditation certifies that the accredited program complies with European standards and principles.





Learning Outcomes

- Defines the basic concepts related to aviation standards and rules.
- Organizes team work in the stages of collecting, interpreting, announcing and applying data related to the field.
- Selects current documents, modern techniques and tools required for maintenance applications.
- Uses maintenance manuals and other information sources in business life to obtain information about the field.
- Determines the currency of all technical and administrative documents related to the field.
- Uses computer software, information and communication technologies at the level required by the field.
- Develops solutions for unforeseen problems encountered in practice.
- Determines the learning needs related to the field.
- Apply technical drawing knowledge effectively in business life.
- Uses the knowledge and skills acquired during undergraduate education in business life.





Get Experience in Laboratories and Workshops!

- ***Aircraft Structural/Mechanical Workshop***
- ***Aircraft Electrical/Avionics Workshop***
- ***Aircraft Engine Workshop I***
- ***Aircraft Engine Workshop II***
- ***Aircraft Systems Workshop I***
- ***Aircraft Systems Workshop II***
- ***Aircraft Cabin Training Mockup Workshop***
- ***Melike Kuvvet Aircraft Hangar***



"More Than a Bachelor's Degree!"

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Training in aviation and aircraft maintenance was the first step on our students' journey to success in the industry.

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Our brand new lessons are here!

The field of aircraft maintenance and repair is equipped with innovative courses in line with ever-evolving technology and industry needs. These courses aim to teach students the latest aviation technologies and innovations as well as traditional maintenance techniques.

In this context, our department has been accredited by the General Directorate of Civil Aviation and has been awarded the B2 certificate. As a result of this certificate, the contents of our weekly subjects, Module courses and Task trainings are determined and approved by the General Directorate of Civil Aviation.





Assist Prof. Sinem GÜRKAN
**Head of Aircraft Maintenance and
Repair Department**

Academic Staff



Assist Prof. Rıza Haluk KUL



Lect. Mehmet ATEŞ



Res. Assist. Gör. Dr. Nuran AKDAĞ

“ Our academic staff works to transfer the latest knowledge and technology in aircraft maintenance and repair to our students. ”



Future Aviators are being trained at IGU UBF!

Career Opportunities!

Graduates of the Department of Aircraft Maintenance and Repair have a wide range of career opportunities in the aviation industry. Graduates can work in various positions such as aircraft maintenance technician, maintenance engineer, airline maintenance and repair manager, aviation technologist, quality control and assurance specialist, aircraft production and assembly technician, aviation instructor and aviation consultant. These positions provide students with opportunities to work in different areas of specialization, contributing to their professional development and enabling them to assume important roles in the aviation industry.

Who are Elective?

Aircraft Maintenance and Repair department should be chosen by students who are interested in technical skills and mechanical systems, pay attention to details, have high problem-solving skills, are prone to teamwork, have safety awareness, have physical endurance and are open to continuous learning. Individuals with these characteristics have the potential to have a successful career in the aviation industry.

Experts from the Sector and Student Meetings...



Trust in the Air, Expertise on the Ground!





Double Major Opportunity

The purpose of the double major program is to enable students who have successfully completed their major programs to study in a second major program free of charge.

Students who have a cumulative grade point average of 2.90 out of 4.00 in their major program and who are in the top 20% of their undergraduate/graduate program can start the second major diploma program free of charge.



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Our students can continue their career plans in multidisciplinary fields with double major opportunities.

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An External Stakeholder Protocol was signed between the Faculty of Applied Sciences and Tailwind Airlines.



Within the scope of SHT 147 Recognized School, an external stakeholder protocol signing ceremony was held between the Faculty of Applied Sciences and Tailwind Airlines with the participation of Rector Prof. Dr. Bahri Şahin and Tailwind Airlines General Manager Mr. Mehmet Bostan.



Start Your Internship Journey and Shape Your Future!

We have voluntary internship in our department. During their education, our students can reinforce the practical training they receive in TASK trainings with internship trainings in leading companies in the aviation sector.



Academician Our Awards

Head of Aircraft Maintenance and Repair Department Member The Scientific Research Projects Application and Research Center (BAPUM), conducted by Assist. Prof. Sinem Gürkan supported DUP-100920-SGA numbered **"Bio-Based Jet Fuel Production by Transesterification of Nettle Seed"** received the **"Aviation Green Innovation Project of the Year"** award at the **"Bluesky Awards 2022 Aviation Awards"**, Turkey's first and only independent aviation achievement awards organization.



**ACADEMIC
AWARD**



With Strong Steps to the Future: Our Graduates

I started my undergraduate education in 2018 at the Airframe-Engine Maintenance Department, which has the status of DGCA Recognized School, in line with my desire for airplanes and aviation since my childhood and the career plans I have built step by step. During my education, in addition to the theoretical and practical courses I took from the valuable lecturers of our school who are experts in their fields, I attended the "Aircraft Maintenance English, Dangerous Goods Regulations (DGR), Minimum Equipment List (MEL)" certificate programs that will contribute to my career.

In addition, I was entitled to receive the Recognized School Certificate by being exempt from all of the module exams organized by our university within the scope of the Recognized School authorization, and I achieved success by reducing the experience period required to obtain the Aircraft Maintenance Technician License from 5 years to 2 years with the practical trainings I received in the Aircraft Hangar, Engine, Propeller, Structural and Aircraft Systems workshops in our university.

In February 2023, I started working as an Aircraft Maintenance Technician at Turkish Technic, which I dreamed of and wanted to work for many years. I would like to thank the valuable professors of our department for the opportunities provided to our school and for their contribution to us for 4 years.



Yusuf KAYA

Aircraft – Airframe Engine
Maintenance Department
2022 Graduate

“ **Step-by-step career planning for
airplanes and aviation** ”

AIRCRAFT MAINTENANCE AND REPAIR DEPARTMENT

**Flying is exhilarating, even more so with
safety.**



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