

# MACHINERY

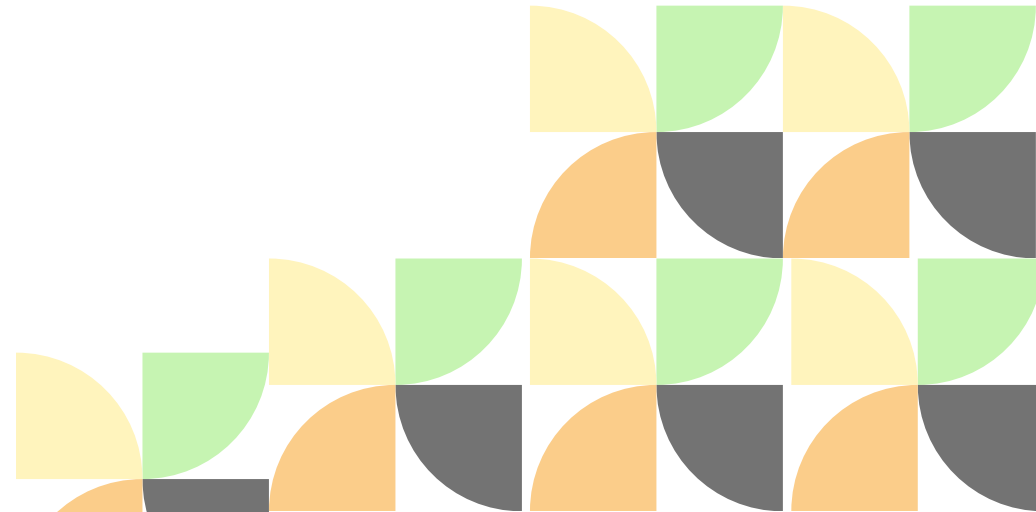
Istanbul Gelisim University  
Istanbul Gelisim Vocational School

“ *In line with the needs of the sector, our program enables the training of technical staff who have knowledge and skills in the fields of basic mechanical and control systems, computer-aided design and manufacturing (CAD/CAM) and can design, produce, maintain and repair these systems by considering sustainability.* ”

Lect. Yasemen KARAMAN  
Head of the Machinery Program



**Istanbul Gelisim**  
Meslek Yüksekokulu





## Aim of the Program

With the developing technology, the efficient use of technological devices has become important and the profession of “Machine Technician” has gained importance. The machine technician is the intermediate element that provides coordination between the engineer and the technician and the master and the worker. The aim of the Machine Program is to train well-equipped and qualified machine technicians for the sector.

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*Our students benefit from the laboratories and all kinds of technical facilities of our university and receive education that can provide sufficient qualifications required by the business world.*

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## Future of the Program

The Machine Program aims to provide students with the ability to communicate effectively, verbally and in writing, to have the ability to apply the basic knowledge gained by the students during the education period in the sector, to use the technologies appropriate to the age and to use this technology, to train technical staff who can identify and solve problems in the sector, and to gain the ability of graduated technicians to follow and research developments in new machine technologies.



## Curriculum Information

The normal education period to complete the Istanbul Gelişim University, Istanbul Gelişim Vocational School Logistics Program is two academic years, and the total minimum credit amount to be completed depending on the student workload is 120 ECTS.

In the first two semesters, our students take common courses at our vocational school and basic introduction courses to the field in a professional sense. Starting from the third semester, the focus is on vocational courses and our students begin to take elective courses in addition to the compulsory courses that are required in the professional sense.



## Academic Staff



**Lect.**  
**Yasemen KARAMAN**  
Machinery  
Head of the Program



**Lect.**  
**Ali GÜRCAN**  
Machinery



**Lect.**  
**Bilge YILMAZ**  
Machinery



**Lect.**  
**Enes KALYONCU**  
Machinery



## Sectoral Collaborations

Our university attaches great importance to cooperation with the public, private sector and non-governmental organizations in its pursuit of excellence in education and research. These collaborations enable us to build a stronger future by sharing our knowledge and resources and working together to achieve common goals.



## Internship

At the end of the second or fourth semester, our students progress in their career journey by doing 30-day summer internships in order to graduate.



## Career Opportunities

Our students who graduate from the Machine Program, taking the title of “Machine Technician”; They can be employed in all areas of production such as machining and non-machining manufacturing, maintenance and repair, CNC and, machine tools. By applying the theoretically learned knowledge and skills in the field and sharing their knowledge with their teammates, our graduates should contribute to themselves and the institution they work for, make them a principle and discipline them in all areas of their lives. In addition, in order for our students to gain sector experience before graduating from our program, they are provided with internships during the semester and these internships offer our students a simulation of the sector.

# Activities

Our university and our program contribute not only to gaining knowledge and skills, but also to progressing towards becoming an individual who will make his/her own difference and benefit the society. Our students have the opportunity to develop their skills in various workshops, learn by having fun at festivals, raise awareness in social responsibility projects and participate in unforgettable events, and have the chance to show themselves in competitions. Our activities develop cooperation and team skills. They also offer career opportunities.

The activities carried out are as follows:

- Workshops
- Festivals
- Trips
- Seminars
- Symposiums
- Exhibitions
- Social Responsibility Projects
- Interviews
- Sustainable Events



## Double Major Opportunities

The purpose of the double major program is to enable students who have successfully completed their major program 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.



## Erasmus+ Program

With Erasmus+, the European Union's (EU) grant program in education, youth, and sports opportunities, our students can access various opportunities such as education, training, internship, professional development, non-formal learning-based youth activities abroad.



## Research Centers

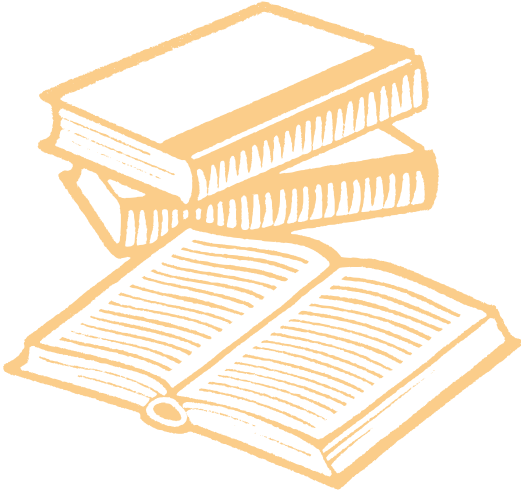
Innovative, technological and sociological studies are carried out in many different branches with 20 different application and research centers within our university. In addition, thematic research groups carry out studies that will contribute to science in 10 different fields from food to construction, automotive to health.

IGU listens to all students who say “I have a project” and provides all kinds of opportunities to realize these projects. IGU also has a Technology Transfer Office to provide the necessary information and guidance for academicians, researchers, students and graduates to start their own initiatives and to create the necessary collaborations for this purpose.



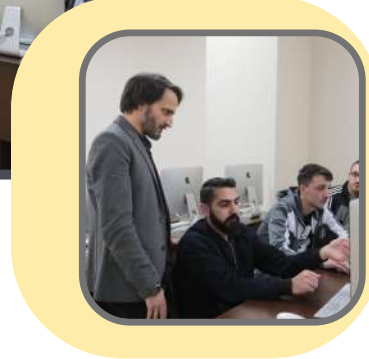
## Research Projects

**Project Type:** TÜBİTAK 2209-A Project  
**Project Name:** Mechanical Examination of the Arrangement and Density of the Plate Produced with a 3D Printer in Different Orientations  
**Consultant:** Lect. Enes KALYONCU  
**Principal Investigator:** Yusuf Ziya ŞANLI  
**Project Status:** Ongoing



## Workshops, Laboratories and Studios

- 6 PC Computer Laboratories
- 1 MAC Computer Laboratory
- 2 Aircraft Engine Laboratories
- 1 Aircraft Structural / Mechanical Laboratory
- 1 Aircraft Composite Workshop





## DGS Course

Istanbul Gelisim Vocational School organizes the Vertical Transfer Examination (DGS) Course for our students free of charge every year. In the course, topics for DGS, especially basic mathematics and geometry, are covered.

Our students can register for our course organized for second year students of our vocational school by applying on the announced dates and prepare for DGS free of charge.



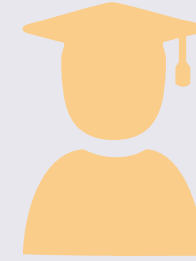
## English Course

Istanbul Gelisim Vocational School, which operates with the aim of increasing the human skills of our students within the framework of its vision of continuous development, opens professional English courses for our students. The aim of the courses is to provide education based on social sciences and natural sciences. In the lessons, our students' basic English knowledge is reinforced by studying field-specific English texts.

Our English courses are completely free and contribute to increasing the human skills of our students.



## IGU from Alumni Perspective



**Samet AVCI**

Machinery Program Graduate

I am one of the 2023 graduates of the Machine Program. I started my associate degree education at another school, then I transferred to Istanbul Gelisim University with a lateral transfer. The fact that I got answers to every question I had and found the help and support of our professors in every problem I encountered throughout my school life played an important role in making me love my profession more.

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| Let's Learn  
Together

Let's  
Discover  
Together

Let's Connect  
to the World!

# MACHINERY PROGRAM

***For more information, please contact  
the head of the program:***

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