

ELECTRICS

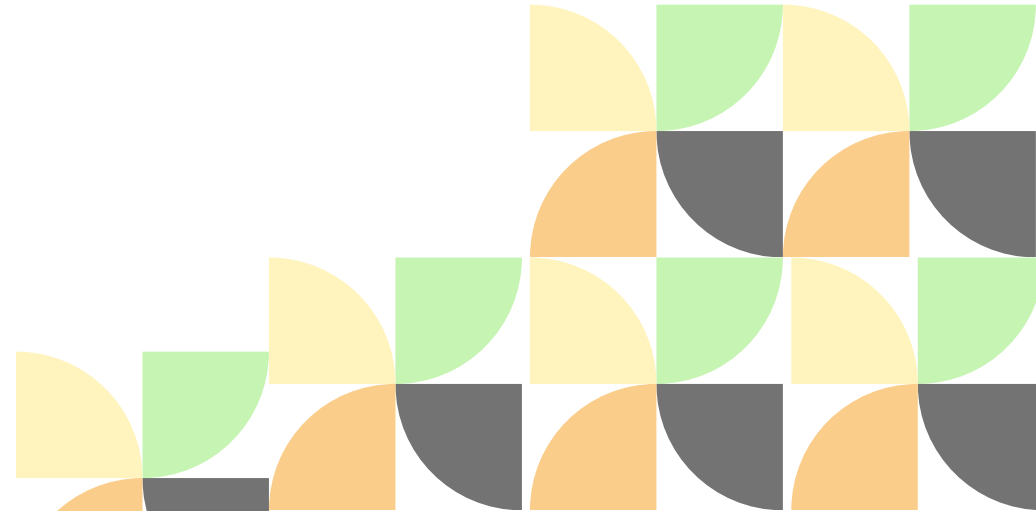
Istanbul Gelisim University
Istanbul Gelisim Vocational School

“ Our program offers students the opportunity to lead in the sector by equipping them with innovative electric technologies that shape future energy systems. With expert academics, up-to-date curriculum aligned with technological advancements, modern laboratories, and industry collaborations, students can apply theoretical knowledge into practical skills. ”

Lect. Muhammet Cihat MUMCU
Head of Electrics Program



Istanbul Gelisim
Meslek Yüksekokulu





The Aim of the Program

The program curriculum is designed to be updated in line with industry needs, aiming to achieve high employment targets. Our graduates can create a portfolio distinguished by current skills, talents, and achievements that set them apart in the competitive market. With developed core disciplines and skills, they will be well-equipped to meet the rapidly advancing demand for expert personnel in the field of electricity and energy.

— “ —

Our graduates enter the workforce equipped with the knowledge and skills necessary to rapidly advance in the energy and technology sectors.

— ” —



Future of the Program

Graduates of the Electrical Engineering program are aimed to acquire knowledge and skills to advance their careers and step into highly successful roles after completing an intensive applied curriculum that includes designing and supporting the development of electrical and electronic systems, devices, instruments, or products.



Curriculum Information

Istanbul Gelişim University, Istanbul Gelişim Vocational School's Electrical Program is designed to be completed within two academic years as the normal study period, with a total minimum credit requirement of 120 ECTS credits depending on the student workload.

Students take common courses offered by our vocational school in the first two semesters, along with introductory courses relevant to their field. From the third semester onwards, the focus shifts to professional courses, where students start taking compulsory courses essential for their profession, alongside elective courses.



Academic Staff



Lect.
Muhammet Cihat MUMCU
Head of Electrics Program



Assist. Prof.
Ercan AYKUT
Electrics



Lect.
İzzet YAVUZ
Electrics



Lect.
Nevzat Yağız TOMBAL
Electrics



Sectoral Collaborations

Our university places great importance on collaborating with public, private sector, and civil society organizations in the pursuit of excellence in education and research. These collaborations enable us to share knowledge and resources, work together towards common goals, and build a stronger future.



Internship

Our students progress in their career journeys by completing a 30-day summer internship at the end of their second or fourth semester, necessary for graduation.



Career Opportunities

Electrical Engineering students will acquire specialized knowledge and skills in elective areas such as installation expertise, control systems, synchronous and asynchronous machines, semiconductor devices, PLCs, computer-aided design, digital electronics, power electronics, and renewable energy.



Activities

Our university and program not only focus on acquiring knowledge and skills but also aim to foster individuals who can make a difference and contribute to society. Students have opportunities to enhance their skills in various workshops, enjoy learning through festivals, create awareness through social responsibility projects, and participate in memorable events. These activities help them develop collaboration and teamwork skills, and also open doors to career opportunities.

The activities conducted are as follows:

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



Double Major Opportunities

The purpose of the double major program is to enable students who excel in their major programs, with a minimum GPA of 2.90 out of 4.00 and ranking within the top 20% of their undergraduate program, to pursue a second major and earn an additional diploma free of charge.

Erasmus+ Program

Through Erasmus+, the European Union's grant program for education, youth, and sports, our students have access to various opportunities abroad such as education, training, internships, professional development, and youth activities based on widespread learning.

Research Centers

Within our university, a wide range of innovative, technological, and sociological research is conducted across 20 different applied and research centers. Additionally, thematic research groups contribute to science in 10 different fields ranging from food to construction, automotive to healthcare.

The IGU Technology Transfer Office has been established to provide necessary information and guidance for academics, researchers, students, and alumni to initiate their own ventures. It actively listens to all students saying "I Have a Project" and provides every opportunity to bring these projects to life.





Research Projects

Project Type: TÜBİTAK 2209-A Project
Project Title: Artificial Intelligence-Based Smart Irrigation System
Advisor: Lect. M. Cihat MUMCU
Project Leader: Gökçen Azize ÖZTÜRK
Project Partners: Ata Rifat AKPINARLI, Sude Gül ÇİMEN
Project Status: Ongoing

Project Type: TÜBİTAK Scientific Education Activities Support Program
Project Title: Basic PLC Training
Project Team: Assist. Prof. Ercan AYKUT, Lect. Sena TAŞ, Lect. Kübra ERDOĞAN, Lect. Muhammet Cihat MUMCU, Lect. İzzet YAVUZ, Res. Asst. Kenan SAVAŞ, Res. Asst. Şeyma DERDİYOK
Project Status: Completed

Project Type: Normal Research Project
Project Title: Calculation of Istanbul Gelişim University Tower Building's Carbon Footprint and Short, Medium, and Long-Term Load Forecasting Using Artificial Intelligence Methods
Project Manager: Assoc. Prof. Lokman KANTAR
Researchers: Assoc. Prof. Bahtiyar DURSUN, Assist. Prof. Ercan AYKUT, Assist. Prof. Ali ÇETİNKAYA, Lect. Kübra ERDOĞAN, Lect. Sena Nur BENLİ, Lect. Sena TAŞ, Lect. Tuğba SARAY ÇETİNKAYA, Lect. Çisem YAŞAR
Project Status: Ongoing



Project Type: TÜBİTAK 1001 Project
Project Title: Changes in Protein Fractionation and Determination of Bioactive Properties in Tarhana Fermentation
Lead Researcher: Lect. Kübra SAĞLAM
Researchers: Assoc. Prof. Bahtiyar DURSUN, Assist. Prof. Ercan AYKUT
Project Status: Ongoing



Workshops, Laboratories and Studios

- Aircraft Electronics / Avionics Laboratory
- B2 / Avionics Laboratory
- Electrical Lab
- 6 Computer Laboratories-PC
- Computer Laboratory-MAC





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.

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



English Course

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

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



IGU from Alumni Perspective



Rahmi BALTAŞ

Electrics Program Graduate

I graduated from the Electrical Program in 2023. Throughout my academic journey, the experiments, projects, events, and many activities at our university greatly contributed to my education. These activities were effective in enhancing my learning, reinforcing my knowledge, and ensuring the retention of information in my memory. The efforts of our professors, department chair, program director, and everyone who contributed to the organization of these activities were invaluable.



Let's Learn
Together

Let's
Discover
Together

Let's Connect
to the World!

ELECTRICS PROGRAM

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

mcmumcu@gelisim.edu.tr

İLETİŞİM:



myo.gelisim.edu.tr



igumyo



igumyo



igumyo



0212 422 70 00