Frequently asked questions by prospective students

Question: Can you give general information about Electrical and Electronics Engineering?

Answer: Electrical and Electronics Engineers work on the production, transmission, distribution and conversion of electrical energy to other types of energy systems and the design, use and control of all kinds of electronic devices and systems. Electrical energy is produced from hydraulic, nuclear, solar, wind, biomass and geothermal sources. Electrical and Electronics Engineers make plans, projects and implementations in the process from production to consumption. It takes part in the project, installation and operation of facilities that produce and consume electrical energy.

Nowadays, the importance of Electrical and Electronics Engineering is increasing in every field from medicine to communication, from computer technology to space research, electrical energy production, transmission and distribution. Electrical and Electronics Engineers can work in public institutions, universities and research institutions, R&D departments of companies, private sector, consultancy and contracting offices. The areas in which Electrical and Electronics Engineers can work can be listed as follows:

Computers and Embedded Systems, Whole Circuit (Chip) Design and Construction, Semiconductor Materials, Electro-Mechanical Systems, Signal Processing, Biomedical, Microwave - Antennas, Communication and Telecommunications, Electrical Machines, Lighting, High Voltage and Energy, Energy Production Transmission and Distribution, Renewable Energy and Automatic Control.

Question: Can you give information about Istanbul Gelişim University Electrical and Electronics Engineering Department?

Answer: IGU Electrical and Electronics Engineering Department was established in 2015. There are currently 8 doctoral faculty members and 4 research assistants in the department.

Two engineering programs are carried out in our department as stated below;

- Electrical and Electronics Engineering (100% Turkish)
- Electrical and Electronics Engineering (100% English)

You can access the education curricula of these programs from the Curriculum tab on our Department's Home Page.

The professional weights of the training curricula are respectively; It consists of courses covering electrical circuit analysis, electrical machines, electronic circuits and embedded systems. General grouping of the courses of our curriculum,

- 25% basic science courses (mathematics, physics, chemistry, etc.)

- 15% personal development courses / social science courses

- 35% basic engineering courses / vocational courses

- 25% elective vocational courses

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25% of our curriculum consists of elective courses and is designed to give students the opportunity to focus on different sectors / qualifications in line with their own inclinations in the 3rd and 4th grades.

Question: What are the job opportunities for graduates?

Answer: Electrical and electronics engineering graduates can work in both the private sector and public institutions?

- Can work as an R&D engineer, hardware design engineer and embedded software engineer in research companies.
- Can work as a project engineer or site engineer in electrical project and engineering companies.
- He can establish his own engineering company or work as a freelance electrical engineer.
- Can work as an automation engineer in companies or factories that carry out factory automation projects.
- Can be active in installation, repair and maintenance as a maintenance engineer or as a coordinator engineer in electricity distribution companies.
- At the same time, they can work as engineers and managers in the electrical and electronics departments of companies.

Question: Is electrical and electronic engineering a suitable profession for women?

Answer: Electrical and Electronics Engineering is a field in which anyone can successfully pursue a career and be interested in it. If women are interested in this field, they can make a successful career by completing their education and gaining experience. Electrical and Electronics Engineering is a field that deals with the design, production, maintenance and development of electrical, electronic and computer systems. This discipline forms the basis of many technologies we use in our daily lives. Our female engineers can work as project engineers in electrical project and engineering companies, as hardware design engineers, embedded

software engineers and R&D engineers in research and development companies, and as engineers in the electrical and electronics departments of companies. As a result, the field of Electrical and Electronics Engineering can also be a suitable career option for women.

Question: What are the opportunities for students to study abroad?

Answer: Istanbul Gelişim University, which stands out with international activities and always expands its activities, attaches great importance to the Erasmus + program. Erasmus exchange is carried out within the framework of existing bilateral agreements (within open quotas). Education mobility activity involves a student (both Turkish citizen and non-TC citizen) registered in a higher education institution completing one or at most two semesters of their education in an ECHE-holding higher education institution abroad with which they are partnered by a bilateral agreement. The activity period covers a period between minimum 2 and maximum 12 months, which can be completed within the same academic year.

Erasmus Student Internship Mobility is the process of students receiving vocational training and/or gaining working experience within a partner business or organization in another participating country. All students can benefit from Erasmus+ Internship Mobility. Students who will be placed within the scope of Internship Mobility have the right to do an internship for a minimum of 2 months and a maximum of 12 months. Students can carry out internship mobility that does not coincide with class periods.