

## **DEPARTMENT OF COMPUTER ENGINEERING**

Our department, which is within the body of Konya Technical University Graduate Education Institute, provides education with 1 Doctorate (Computer Engineering), 3 Master's with Thesis (Computer Engineering, Software Engineering and Artificial Intelligence) and 1 Master's Program without Thesis (Computer Engineering). In addition, the application of the Data Science and Artificial Intelligence Distance Education Master's Program was made to the Council of Higher Education in order to serve engineers trained in different disciplines today. Our aim is to train qualified engineers, researchers, R&D personnel, managers and academicians needed in the field of information and information technologies.

With its academic staff who are experts in their fields, our department pays attention to the inclusion of current issues in the light of technological developments, as well as the basic courses of computer science. By opening programs and/or courses with different names, importance is given to educating students to meet the needs of today and the future and to follow the latest developments in technology. From an academic point of view, the development of our students' research abilities is another issue that our department attaches importance to. For students who do not have a Computer Engineering or Software Engineering degree and apply to the program from related disciplines, basic computer science courses are provided as scientific preparation.

Our main mission is to raise individuals who have adopted the spirit of research and innovation, who can develop and use science and technology for the benefit of society and humanity, who respect the environment and ethical values, who adopt lifelong learning as a principle, who are academically equipped in their field and who can compete in the international arena. Our department has adopted the principle of creating and implementing continuous quality improvement processes in education and research studies, providing the necessary basis, bringing the highest qualified students and lecturers together in the programs, and ensuring that thesis topics are supported by national and international projects. It is aimed that students become pioneers in their field with original scientific studies, who have gained the skills of independent learning and research, who have social sensitivity and personal equipment at international level in an environment that is based on the production and application of scientific knowledge and supported by information technologies.

Using the rapidly developing research and teaching infrastructure, in cooperation with industry and government institutions, making scientific publications at the global level in the

field of computer engineering and directing academic developments in this field are among the aims of our department. In this context, our students are encouraged to submit 2 SCI/SCI-Exp articles or 1 SCI/SCI-Exp article and 1 national or international institution-supported project for graduation from the doctoral program. Our goal in postgraduate education of our master's programs is to train researchers and experts who are leaders in R&D and innovation, and our goal in our doctoral program is to train dynamic, future-oriented researchers who can direct scientific and technological developments in their field.

Our department covers many fields such as computer science, software technologies, artificial intelligence, data science, machine learning, algorithms and computational theory, virtual reality, big data, data security, computer vision, deep learning, robotics, natural language processing, optimization, embedded systems. For project work, students continue to work under the coordination of faculty members for competitions and exhibitions specific to data science and artificial intelligence in 2 laboratories with a size of 60 square meters. In addition, there are 3 offices (each office has a capacity of 5 students) for the use of postgraduate education students for study areas. Our department has one electronics and one microprocessor laboratory, which students can benefit from in robotics and artificial intelligence research.

In the Faculty of Engineering and Natural Sciences building, there are 90 high-speed computers in two laboratories of 200 square meters and 75 computers in two laboratories of 100 square meters. There are also 200 square meters of co-working spaces in the building. In the Rectorate building of the Development Campus, there is an additional computer laboratory with an area of 60 square meters and 25 computers. Laboratories, study areas and offices serve students and faculty members between 08.00 and 21.00, five days a week. The Central Library, which became operational in 2018, contains books and periodicals on the activities and research subjects of the department. In addition, the databases opened by TÜBİTAK ULAKBİM have been made available to faculty members and students. Faculty members and students have access from their workplaces/schools and homes.

Students can be admitted to Computer Engineering Doctorate and Master's Programs, Software Engineering and Artificial Intelligence Master's Programs with a science exam, and students who meet the conditions of public-university-industry cooperation can enroll in the programs without an exam. Student admissions are made in the fall and spring semesters, within separate quotas, and the application procedures of the candidates are carried out according to the calendar determined by the Graduate Education Institute.

Students are placed in graduate programs within the announced quota by evaluating the candidates' bachelor's or master's degree grades, ALES (academic personnel and postgraduate

education entrance exam) scores and written science exam results together according to the program applied. The bachelor's / master's degree diploma, transcript, courses taken and reference letter, if any, letter of attorney and other personal information and documents of the candidates from abroad are examined by the board of our department and their admission to the program is made. Our master's programs consist of 7 courses, seminar and thesis study, and there is an additional qualification stage in the doctoral program.