ECTS

Program Information Package

Program: Elektrik ve Bilgisayar Mühendisliği Anabilim Dalı Başkanlığı | Total ECTS: 120 | Date of Issue: 22.11.2026

Program Information

Program Name	Elektrik ve Bilgisayar Mühendisliği Anabilim Dalı Başkanlığı
Education Level	Master
Language of Instruction	English
Program Duration	4 Semesters
Maximum Duration	8 Semesters
Head of Program	Dr. Öğr. Üyesi Murat SERHATLIOĞLU
Internship	Not Required
Total ECTS	120

Admission and Registration Requirements

Applicants to the program must have a bachelor's degree in Electrical and Electronics Engineering, Computer Engineering, or a related field.ADMISSION RANKING: ALES (50%) + GPA (30%) + Interview (20%)International StudentsApplicants to the program must have graduated from Electrical and Electronics Engineering, Telecommunications Engineering, Computer Engineering, or a related undergraduate program.ADMISSION RANKING: GPA (50%) + Interview (50%)

Graduation Requirements

The thesis-based master's program consists of a total of 120 ECTS credits, including at least eight courses, including a seminar course, and thesis work, with a minimum of 60 ECTS credits.The duration of the thesis-based master's program is four semesters, starting from the semester in which the courses related to the registered program are offered, regardless of whether the student registers for each semester, excluding the period spent on scientific preparation. The program is completed in a maximum of six semesters.In thesis-based master's programs, a weighted overall grade point average of at least 2.50 out of 4.00 is required for graduation from the master's program, and the seminar course and thesis work must be successfully completed.The completion period for a thesis-based master's program is four semesters. However, students who meet all the requirements for graduation by the end of the third semester at the earliest may be admitted to the thesis defense. These students are awarded a master's degree upon successful completion.

Occupational Profiles of Graduates

Students who graduate from the Electrical and Computer Engineering master's program have broad career opportunities in many sectors that require advanced knowledge and expertise. The program aims to provide students with in-depth technical knowledge and analytical thinking skills in their fields, while also enhancing their ability to develop innovative projects and produce creative solutions to engineering problems.Master's graduates can take on leadership positions in various fields such as engineering applications, R&D, academic careers, and project management. In addition, the program content, delivered through a multidisciplinary approach, ensures that graduates have the knowledge and skills to compete on international platforms.The program enables graduates to work as technical experts, consultants, or managers in both the public and private sectors. It also provides a solid academic foundation for graduates who wish to pursue doctoral studies, allowing them to play an active role in scientific research and innovation projects.The Electrical and Computer Engineering master's program trains its graduates to be individuals who will effectively participate in the world of technology and engineering, produce solutions that will shape the future, and contribute to the sustainable development of society.

About the Program

Antalya Bilim University's Electrical and Computer Engineering Master's Program commenced its educational activities on December 25, 2019. Since its inception, the program has focused on scientific research and applied education, contributing to numerous successful projects and encouraging interdisciplinary studies. Having graduated 50 students to date, the program continues to cultivate experts who make a difference in both industry and academia by providing students with innovative and technological knowledge.

Exams, Assessment and Evaluation

Examination and performance evaluation principles are conducted based on the “Antalya Bilim University Examination and Performance Evaluation" Guidelines.

Program Educational Objectives

Our graduates are expected to be experts with advanced theoretical and practical knowledge in the fields of Electrical and Computer Engineering, capable of solving complex engineering problems using analytical and scientific methods.Our graduates are expected to be individuals who can conduct independent research, generate original knowledge, develop innovative engineering solutions, and play an active role in interdisciplinary studies.Our graduates are expected to demonstrate advanced application and R&D skills in the design, integration, optimization, prototyping, testing, and evaluation of electrical and computer systems.Our graduates are expected to be individuals who act with a sense of ethical responsibility, can communicate effectively, are successful in teamwork, and can take on leadership roles in academia, R&D, and advanced engineering applications at the national and international levels.

Recognition of Prior Learning

A successful student who has completed at least one semester in another department within the university or in a graduate program at another higher education institution may be admitted to Antalya Bilim University graduate programs through lateral transfer.Lateral transfer quotas are determined by the EYK (Executive Board) and shall not exceed 30% of the total quota for the relevant semester.Students who have taken at least one semester of courses in a graduate program offered by the institute or in a graduate program at another higher education institution and who have successfully completed all courses taken up to that point may be accepted into a graduate program offered by the institute through lateral transfer by submitting an application to the institute with the necessary documents at the beginning of the semester, until the end of the course registration and renewal period. the student may be accepted into a graduate program offered by the institute through lateral transfer, subject to the written opinion of the institute's department/division and the decision of the institute's administrative board.Students applying for lateral transfer must meet the graduate student admission requirements for the period in which they gained student status.Students who have completed at least one semester in a graduate program at a higher education institution abroad whose equivalence is recognized by the Higher Education Council may apply for lateral transfer to a graduate program.Students who have obtained their bachelor's and/or master's degree in a field different from the thesis-based master's or doctoral program to which they are transferring may be required to complete a scientific preparation program, subject to the decision of the relevant institute's department. The period spent in scientific preparation is counted as part of the normal education period.

Transition to Higher Degree Programs

Students graduating from the program may apply to doctoral programs in Electrical-Electronics Engineering, Computer Engineering, and related disciplines, provided they meet the application and admission requirements of the respective programs.

Program Outcomes

PÇ-1 Analytical Thinking and Problem Solving: Ability to identify complex and interdisciplinary problems in electrical and computer engineering; analyze them using advanced mathematical, computational, and simulation methods; critically evaluate the results; and develop effective solutions based on scientific principles.

PÇ-2 Research and Innovation: Ability to conduct independent research in electrical and computer engineering using scientific research methods; critically evaluate the literature; define original research problems; develop new engineering solutions and technologies; and contribute to the existing body of knowledge.

PÇ-3 Technical Communication, Collaboration, and Leadership: Ability to communicate engineering projects and scientific research findings clearly and systematically in written, oral, and visual forms in national and international settings; communicate effectively in technical and academic English; work effectively in interdisciplinary teams; and assume responsibility and leadership when required.

PÇ-4 System Design, Integration, and Evaluation: Ability to apply advanced knowledge and skills in the design, modeling, integration, optimization, and implementation of electrical and computer systems; conduct prototyping, testing, validation, and performance evaluation processes in engineering projects; and assess the resulting outcomes in accordance with technical requirements and quality criteria.

PÇ-5 Ethical, Professional, and Social Responsibility: Ability to adhere to professional and scientific ethical principles in research and engineering practice; act responsibly in the acquisition, analysis, interpretation, and dissemination of data; evaluate the societal, environmental, and sustainability impacts of engineering solutions; and make responsible decisions.

PÇ-6 Emerging Technologies and Lifelong Learning: Ability to follow current developments in artificial intelligence, data science, advanced computing, and other emerging technologies; critically evaluate and effectively apply these technologies in engineering research and practice; utilize advanced information and communication technologies; and sustain professional and academic development through a lifelong learning approach.

NQF Matrix

Subject Area Level 7 (Master's Degree)	No	1	2	3	4	5	6
Bilgi	1	x	x	x	x	–	x
	2	x	–	x	x	–	x
	3	x	x	–	–	–	–
	4	–	x	–	–	–	x
Beceriler	1	x	x	x	x	–	–
	2	x	x	x	x	–	x

Course Plan

2022-2023 ELEKTRİK VE BİLGİSAYAR MÜHENDİSLİĞİ (TEZLİ-İNGİLİZCE)

Semester 1

Code	Course Name	L	P	Lab	Credit	ECTS	Language
LUE 701	Scientific Research Techniques and Ethics	4	0	0	4	6	English
		0	0	0	0	6	-
		0	0	0	0	6	-
		0	0	0	0	6	-
		0	0	0	0	6	-

Semester 2

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ECE 700	Seminar	0	2	0	1	18	English
		0	0	0	0	6	-
		0	0	0	0	6	-

Semester 3

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ECE 791	Master's Thesis 1	0	0	0	0	30	English

Semester 4

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ECE 792	Master's Thesis 2	0	0	0	0	30	English

Semester 5

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 6

Code	Course Name	L	P	Lab	Credit	ECTS	Language

No course information found for this semester.

Semester 7

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 8

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

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