



# ALTINBAS UNIVERSITY

## Diploma Supplement

ALTINBAŞ ÜNİVERSİTESİ  
Altınbaş Üniversitesi  
İstanbul / Türkiye  
(0 212) 604 01 00  
[www.altinbas.edu.tr](http://www.altinbas.edu.tr)

Diploma No : 11225  
Diploma Date : 29.03.2023



The purpose of the Diploma Supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. This Diploma Supplement model was developed by European Commission, Council of Europe and UNESCO.

### 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1. Last name(s) : ABDI  
1.2. First name(s) : KHALID IBRAHIM  
1.3. Date of birth(day/month/year) : 19.10.1998  
1.4. Student identification number or code (if available) : 190502418

### 2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1. Name of the qualification and (if applicable) title conferred:

Bilgisayar Mühendisliği, Lisans

- 2.2. Main field(s) of study for the qualification:

Computer Engineering, Bachelor's Degree

- 2.3. Name and status of awarding institution:

Altınbaş Üniversitesi, Vakıf Üniversitesi, Özel Kanunla Kurulmuş, Kar Amacı Gütmeyen, Devlet Tarafından Tanınan Vakıf Üniversitesi  
Altınbaş University, Non-profit Foundation University, Foundation Supported, Public Legal Entity, Non-profit, State Recognized

- 2.4. Name and status of institution (if different from 2.3) administering studies:

Same as 2.3

- 2.5. Language of instruction/examination:

English

### 3. INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

- 3.1. Level of qualification:

First Cycle (Bachelor's Degree)

- 3.2. Official duration of programme in credits and/or years:

4 years, 2 semesters per year, 16 weeks per semester 240 ECTS

- 3.3. Access requirement(s):

High School Diploma, Placement through Centralized National University Placement examination.

### 4. INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED

- 4.1. Mode of study:

Full Time

- 4.2. Programme learning outcomes:

Graduation Requirements:

A student is required to successfully complete all courses in the curriculum and have a minimum CGPA of 2.00/4.00.

Key Learning Programme Outcomes:

Students shall be imparted with practically orientated software, hardware and application development knowledge with an international orientation on the basis of scientific findings and methods. Regarding the general study goals Computer engineering program is to enable students to have solid foundations in computer engineering and computer science essential for a successful career. The students will have necessary skills and background information to contribute to research, development and production in computer science. Additionally the students will possess good communication, teamwork and leadership skills. Also the study course shall cultivate in students attitudes and values needed to act in a socially responsive and responsible manner in their future professional and/or academic studies.

**4.3. Programme details and individual credits gained, and grades/marks obtained:**

Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade
ENG100-HAZIRLIK	Basic English-PREPARATION (Y)	Required	0.00	60.00	S
CE101	Computer Programming I	Required	3.00	5.00	CC
CHEM123	General Chemistry	Required	4.00	5.00	M
ENG101	Communication Skills and Academic Report Writing I	Required	3.00	3.00	DD
IES100	Introduction to Engineering Sciences	Required	2.00	2.00	S
MATH153	Calculus I	Required	4.00	11.00	AA
PHYS107	Physics I	Required	4.00	10.00	BB
CE102	Computer Programming II	Required	3.00	5.00	BA
CE112	Introduction to Computer Engineering	Required	2.00	2.00	DC
CE472	Artificial Intelligence	Elective	3.00	5.00	BA
ENG102	Communication Skills and Academic Reporting Writing II	Required	3.00	3.00	CC
ESP102	Social Responsibility Project and Career Planning	Required	1.00	2.00	AA
MATH152	Calculus II	Required	4.00	7.00	BA
PHYS102	Physics II	Required	4.00	7.00	AA
CE203	Object Oriented Program Design	Required	3.00	5.00	AA
CE332	Computer Architecture	Required	3.00	6.00	CC
EE242	Digital Systems	Required	3.00	5.00	CC
HIST101	History of Turkish Republic I	Required	2.00	2.00	BB
MATH211	Discrete Mathematics	Required	4.00	5.00	AA
MATH240	Linear Algebra	Required	3.00	6.00	BA
CE204	Data Structures and Algorithms	Required	3.00	5.00	CC
CE299	Computer Engineering Practice I	Required	0.00	1.00	S
EE207	DC Circuit Analysis and Design	Required	4.00	5.00	CC
HIST102	History of Turkish Republic II	Required	2.00	2.00	DC
MATH220	Probability and Statistics	Required	4.00	6.00	AA
MATH260	Differential Equations	Required	3.00	7.00	BA
CE310	Analysis of Algorithms	Required	3.00	5.00	CC
CE331	Computer Organization	Required	3.00	5.00	CB
CE341	Operating Systems	Required	3.00	5.00	AA
EE309	Analogue Electronics and Design	Required	4.00	7.00	DD
EE341	Microprocessors	Required	4.00	6.00	BB
MATH317	Numerical Analysis	Required	4.00	6.00	BB
TURK101	Turkish for Foreigners I	Required	2.00	2.00	BA
CE362	Database Systems Management	Required	3.00	5.00	CB
CE370	Software Engineering	Required	3.00	5.00	BA
CE399	Computer Engineering Practice II	Required	0.00	1.00	S
EE350	System Dynamics and Control	Required	3.00	6.00	BB
TURK102	Turkish for Foreigners II	Required	2.00	2.00	BB
CE481	Special Topics in Computer Engineering I	Elective	3.00	5.00	BA
CE482	Special Topics in Computer Engineering II	Elective	3.00	5.00	AA
CE483	Special Topics in Computer Engineering III	Elective	3.00	5.00	BA
CE491	Computer Engineering Design Project I	Required	1.00	9.00	BA
ERM416	Entrepreneurship and Risk Management	Required	3.00	3.00	CB
ISG401	Occupational Health and Safety I	Required	2.00	2.00	DC
PETC100	Professional Ethics	Required	2.00	2.00	AA
SWE370	Data Mining	Elective	3.00	5.00	BB
CE322	Internet and Web Programming	Elective	3.00	5.00	BA
CE450	Computer Networks	Required	3.00	5.00	CB
CE452	Computer and Network Security	Elective	3.00	5.00	CB
CE473	Human Computer Interaction	Elective	3.00	5.00	CB
CE492	Computer Engineering Design Project II	Required	3.00	10.00	BA
ENL418	Business Law in Engineering	Required	2.00	2.00	CB
ISG402	Occupational Health and Safety II	Required	2.00	2.00	DD

Total Credits Obtained : 147.00(Institutional) ECTS Credits: 247.00  
Cumulative Grade Point Average (CGPA): 3.01 out of 4.00

ADI GEÇEN KURUM ÜLKEMİZİN  
YÜKSEK ÖĞRENİM  
KURUMLARINDANDIR.



R.Handan GÖKSU  
Şube Müdürü



Nafi Cemal TOSYALI  
Daire Başkanı  
KOGY



#### **4.4. Grading system and (if available) grade distribution table :**

For each course taken, the student is given one of the following grades by the lecturer. The letter grades, grade points and percentage equivalents are given below:

Grade	Coefficient
AA	4
BA	3,5
BB	3
CB	2,5
CC	2
DC	1,5
DD	1
F	0

Letter grades without grade point equivalents:

**I (Incomplete):** The grade of (I) is given to a student who provides supporting through genuine and valid documentation of illness or other reasons which have prevented her/him from completing the necessary course work. In such a case, within 15 days from the day of submitting the grades to Registrar's Office, the student must complete the missing work and obtain a grade. Otherwise the (I) grade will automatically become an (F).

**S (Satisfactory):** The grade (S) is given to students who are successful in non-credit courses.

**U (Unsatisfactory):** The grade (U) is given to students who are not successful in non-credit courses.

**P (Pass):** The grade (P) is given to students who are successfully taken non-credit courses.

#### **4.5. Overall classification of the qualification :**

Genel Not Ortalaması : 3,01/4,00 "Onur Öğrencisi"  
Cumulative Grade Point Average(CGPA) : 3.01/4.00 "Honour Student"

### **5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION**

#### **5.1. Access to further study:**

May apply to second cycle.

#### **5.2. Access to regulated profession (if applicable) :**

The degree enables the holder to exercise the profession.

### **6. ADDITIONAL INFORMATION**

#### **6.1. Additional information:**

N/A

#### **6.2. Further information sources:**

University web site: [www.altinbas.edu.tr](http://www.altinbas.edu.tr)

[www.altinbas.edu.tr](http://www.altinbas.edu.tr) <http://ects.altinbas.edu.tr>

YÖK/CoHE website: <https://www.yok.gov.tr>

YÖKAK/THEQC website: <https://yokak.gov.tr>

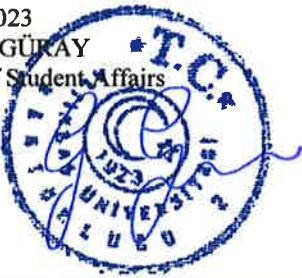
The Turkish ENIC-NARIC web site: <http://enic-naric.net/Turkey.aspx>

TYC/TQF website: <https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi>

TYYC/TQF-HE website: <http://www.tyye.yok.gov.tr>

## 7. CERTIFICATION OF THE SUPPLEMENT

- 7.1. Date : 10.04.2023  
 7.2. Name and Signature : Gizem GÜRAY  
 7.3. Capacity : Head of Student Affairs  
 7.4. Official stamp or seal :



## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

### Structure and Degree System

The basic structure of the Turkish National Education System consists of stages of non-compulsory pre-school education; compulsory primary (elementary and middle school) and secondary (high school) education; and higher education. Primary education begins at the age of 5.5 (66 months), lasts eight years and comprises elementary and middle school education, four years each. Secondary education is also four years and divided into two categories as "General High School Education" and "Vocational and Technical High School Education". The entry into these categories is through composite scores obtained from a centralized exam for secondary schools. Higher education system in Türkiye is managed by the Council of Higher Education (CoHE, Yükseköğretim Kurulu-YÖK) which is an autonomous public body responsible for the planning, coordination, governance and supervision of higher education within the provisions set forth in the Constitution of the Turkish Republic and the Higher Education Law. Both state and non-profit foundation universities are founded by law and subjected to the Higher Education Law and to the regulations enacted in accordance with it. Higher education in Türkiye comprises all post-secondary higher education programmes, consisting of short, first, second, and third cycle degrees in terms of the terminology of the European Higher Education Area (EHEA). Undergraduate level of study consists of short cycle (associate's-lisans derecesi) and first cycle (bachelor's-lisans derecesi) degrees which are awarded after successful completion of full-time two-year (120 ECTS) and four-year (240 ECTS) study programmes, respectively. The structure of first and second cycles is separate except for dentistry, pharmacy, medicine and veterinary programmes which are one-tier systems (lisans ve yüksek lisans bütinlegik programları). The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The level of qualifications in these one-tier programmes is equivalent to that of second cycle including first cycle. Graduate level of study consists of second cycle (master's-yüksek lisans derecesi) and third cycle (doctorate-doktora derecesi) degree programmes. Second cycle degrees are divided into two sub-types named as master with thesis and master without thesis. The master programmes with thesis require 120 ECTS credits, which consist of courses, a seminar, and a thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semestered project. These programmes do not give direct access to third-cycle doctoral studies; for access to third-cycle programmes candidates should fulfil the thesis and other requirements of master programmes with thesis. 60 ECTS non-thesis master programmes are exceptional and exist in a few disciplines. Third cycle (doctorate with master degree) degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Third cycle (doctorate with bachelor degree) degree programmes are completed having earned 300 ECTS credits, which consist of completion of courses, a seminar, passing a scientific proficiency examination and a doctoral thesis. Proficiency in art, specialisation in medicine and in dentistry are accepted as equivalent to third cycle programmes, the last two being carried out within the faculties of medicine and dentistry, university hospitals and the training hospitals operated by the Ministry of Health. Universities consist of graduate schools (Institutes) offering second cycle and third cycle degree programmes, faculties offering first cycle programmes, four-year professional higher education schools offering first cycle degree programmes and two-year vocational schools offering short cycle degree programmes.

### Admission requirements:

Admission of national students to short and first cycle degree programmes is centralised and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages. Admission to graduate programmes is directly conducted by the higher education institutions (HEIs) within the frameworks of the publicly available national and institutional regulations. Admission of international students to programmes at all levels of higher education can be done by direct applications of candidates to HEIs based on publicly available national and institutional regulations.

### Turkish National Qualifications Frameworks:

The National Qualifications Framework for Higher Education in Türkiye (TQF-HE, TYYÇ in Turkish) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. Later in 2015, the framework became a part of Turkish Qualifications Framework (TQF, TYC in Turkish) which was designed as a single framework in harmony with the European Qualifications Framework and displays all qualifications gained through vocational, general and academic programs including primary, secondary and higher education or other learning environments. The framework was referenced with the EQF in 2017. TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

### Turkish Quality Assurance System:

The Higher Education Quality Council of Türkiye (THEQC) was founded as an autonomous public legal entity in 2015, and since then it has been operating at the national level for evaluating the quality levels of higher education institutions' education and research activities and administrative services at institutional level in accordance with the national and international quality standards, and coordinating the processes of institutional accreditation, internal and external quality assurance as well as authorization of independent external evaluation and accreditation organizations. THEQC is a full member of ENQA (The European Association for Quality Assurance in Higher Education) since April of 28, 2020.

TQF, TQF-HE LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS					GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM				
Higher Education Levels / Cycles			QUALIFICATIONS TYPES	LENGTH (Year)	TOTAL ECTS CREDITS (Year × 60 ECTS)	One-tier, Long-cycle Degrees			
QF-EHEA	EQF-LLL	TQF & TQF-HE				Doctorate (Doktora) 1, 2, 3, 4	Proficiency in Art (Sanatla Yetenlik) 4	Specialisation in Medicine (Tip Ta Uzmanlık) 3	Specialisation in Dentistry (Diş Hekimliğinde Uzmanlık) 2, 3, 4
3	8	8	Doctorate	4	240				
			Specialisation in Medicine						
			Specialisation in Dentistry						
			Proficiency in Art						
2	7	7	Master's Degree with Thesis	2	120				
			Master's Degree without Thesis	1 - 1,5	60 - 90				
1	6	6	Bachelor's Degree	4	240				
Short Cycle	5	5	Associate's Degree	2	120				

The diagram illustrates the structure of the Turkish education system. It starts with Pre-School Education at the bottom, leading to Primary & Secondary Education (Elementary School and Middle School). This leads to General High School Education (4 years) and Vocational & Technical High School Education (4 years). From these, one can progress to Bachelor's Degrees (240 ECTS) or Associate's Degrees (120 ECTS). From Bachelor's Degrees, one can further specialize in Medicine, Dentistry, Pharmacy, or Veterinary. From Associate's Degrees, one can specialize in Dentistry, Pharmacy, or Veterinary. Higher education is represented by One-tier, Long-cycle Degrees, including Doctorates (240 ECTS), Proficiency in Art (4 ECTS), and Specialisation in Medicine (3 ECTS) or Dentistry (2, 3, 4 ECTS). The diagram shows various routes (numbered 1, 2, 3, 4) for transitioning between these levels, with arrows indicating the flow of progression.

The numbers 1, 2, 3 and 4 indicates the routes for one-tier long cycle degrees giving access to next (upper) cycle qualifications