

## 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 Turkey 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 Turkey 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-önlisans 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 bütünlüğü 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 semester 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 Turkey (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, TYÇ 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.

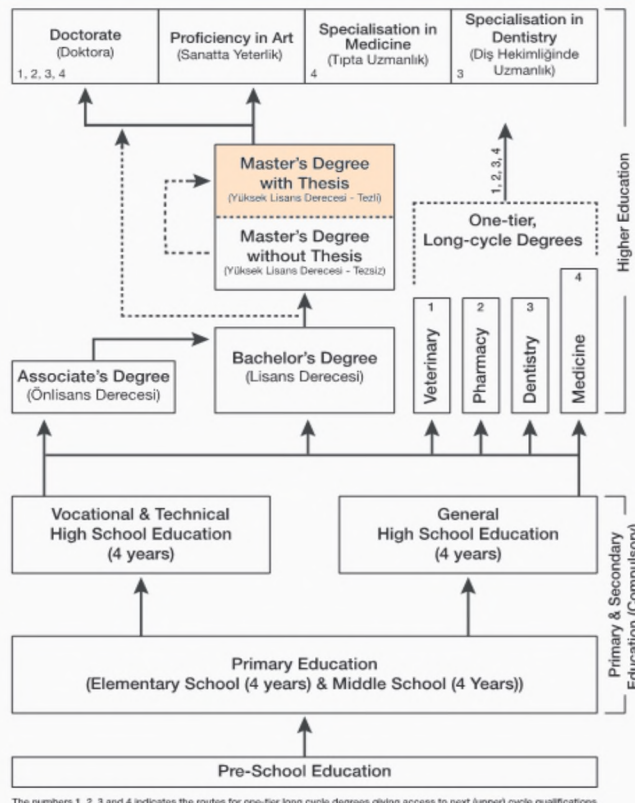
TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

**Turkish Quality Assurance System:** The Higher Education Quality Council of Turkey (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

Higher Education Levels / Cycles			QUALIFICATIONS TYPES	LENGTH (Year)	TOTAL ECTS CREDITS (Year x 60 ECTS)
QF-EHEA	EQF-LLL	TQF & TQF-HE			
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

### GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM



## İZMİR KÂTİP ÇELEBİ UNIVERSITY DIPLOMA SUPPLEMENT



### Diploma Date

26.07.2022

### Diploma No

2021/424321/066

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.

### Izmir Katip Celebi University

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## 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Last name (s)	1.2 First name (s)
1.3 Date of birth (day/month/year)	1.4 Student identification number or code (if available)

## 2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the qualification and (if applicable) title conferred (in original language)	2.2 Main field(s) of study for the qualification
Yazılım Mühendisliği, Tezli Yüksek Lisans	Department of Software Engineering
2.3 Name and status of awarding institution	
İzmir Kâtip Çelebi Üniversitesi, Devlet Üniversitesi Izmir Katip Celebi University, State University	
2.4 Name and status of institution (if different from 2.3) administering studies (in original language)	2.5 Language(s) of instruction/examination
Same as 2.3	Turkish

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

3.1 Level of the qualification	3.2 Official duration of programme in credits and/or years
Second Cycle (Master's Degree)	2 years, 2 semesters per year, 14 weeks per semester, excluding exam period

### 3.3 Access requirement(s)

- Undergraduate Diploma
- Nationwide conducted Academic Personnel and Graduate Education Exam (ALES) Score
- Foreign Language Proficiency Score
- To have the qualifications related to application and acceptance determined in the rules and regulations of the Institute of Science and Technology.

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

### 4.1 Mode of study

Full-Time

### 4.2 Programme learning outcomes

#### Key Learning Programme Outcomes:

Ability to define problems related to the field of information technologies and ability to realize analyzing, modelling, and managing the components of software. Ability to investigate modern methods and develop optimized algorithms.

#### Graduation Requirements:

Students who have successfully completed at least seven courses in the curriculum, and at least twenty one national credits, one seminar course and the thesis work and that do not have any Failing grades with at least twenty one national credits and 120 ECTS credits, with a CGPA of at least 2.50 on a scale of 0 and 4.00 will be able to graduate.

#### Aims:

The aim of this program is to educate high level software engineers who are able to follow technological developments, work effectively in interdisciplinary fields.

#### Objectives:

The objective of this program is to educate engineers who are able to contribute to scientific knowledge by conducting research that provides knowledge and technology production by providing graduate education in software engineering.



#### 4.3 Programme details, individual credits gained, and grades/marks obtained

	Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade	Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade	
SEMESTER 1	YZM501	BİLİMSEL ARAŞTIRMA YÖNTEMLERİ VE YAYIN ETİĞİ	Compulsory	3,00	6,00	AA	YZM502	İLERİ PROGRAMLAMA TEKNİKLERİ	Compulsory	3,00	6,00	AA	
							YZM 589	Special Studies	Compulsory	9,00	18,00	G	
SEMESTER 2	YZM511	YAZILIM MÜHENDİSLİĞİNİN TEMELLERİ	Compulsory	3,00	6,00	AA	YZM518	BULANIK MANTIK VE UYGULAMALARI	Compulsory	3,00	6,00	AA	
	YZM 590	Seminar	Compulsory	1,00	6,00	G	YZM517	DERİN ÖĞRENME	Compulsory	3,00	6,00	AA	
						YZM512	VERİ BİLİMİ VE MÜHENDİSLİĞİ	Compulsory	3,00	6,00	AA		
SEMESTER 3	YZM 500	Thesis	Compulsory	3,00	72,00	G	YZM522	METİN MADENCİLİĞİ	Compulsory	3,00	6,00	AA	
	YZM523	KABLOSUZ DUYAR VE AĞLARINDA İLERİ KONULAR	Compulsory	3,00	6,00	AA	YZM510	MAKİNE ÖĞRENMESİ VE AKIL YÜRÜTME	Compulsory	3,00	6,00	AA	
							YZM505	GÖRÜNTÜ İŞLEME VE ANALİZİ	Compulsory	3,00	6,00	AA	

Total Credits Obtained : 43,00 (Institutional), 156,00 ECTS  
Cumulative Grade Point Average (CGPA) : 4,00 out of 4,00

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

The exam grades of the courses are based on 100 full grades. Equivalence is determined according to the following chart according to the letter grade system of the learning status document or 4 full score points. At least CC grades must be taken in order for a course to be considered successful.

SCORES	GRADES	RATIO
90-100	AA	4.00
85-89	BA	3.50
80-84	BB	3.00
75-79	CB	2.50
70-74	CC	2.00
65-69	DC	1.50
60-64	DD	1.00
40-59	FD	0.50
0-39	FF	0.00

- 1) When the document is arranged according to the alphabetical system; absence of the lesson is DZ, the state of being successful in the seminar and thesis studies is G, and K is the grade of failure. If the thesis studies are successful, the graduation thesis and the dissertation thesis are given as OL grades.
- 2) Specialist courses and seminar courses are rated as successful (G) or unsuccessful (K) and are not calculated in the overall grade average.

#### GPA

When calculating students GPA, grade point of the student is multiplied by the credit values of the course. The sum of the multiplication of all courses is divided by the sum of credit values of the courses. The result shows student GPA. If this process is done for courses in one semester, Semester Grade Point Average is found; if it is done for all the courses student takes, the GPA is found. Grade of a course that a student takes from another university is converted into letter grade if it is not in that form. These letter grades are included in grade point average (GPA).

#### 4.5 Overall classification of the qualification (in original language)

Genel Not Ortalaması : 4,00 /4 Başarılı  
Cumulative Grade Point Average (CGPA): 4.00 /4 Successful

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

##### 5.1 Access to further study

Upon successful completion of this programme, students may apply to third cycle programmes.

##### 5.2 Access to a regulated profession (if applicable)

This degree is an academically oriented degree and enables the graduate to exercise his/her profession in or a related field of study and/or in research.

#### 6. ADDITIONAL INFORMATION

##### 6.1 Additional information

##### 6.2 Further information sources

University web site : <https://www.ikcu.edu.tr> University's ECTS Course Catalogue: <https://ikcu.edu.tr/bilgipaketi>  
YÖK/CoHE website : <https://www.yok.gov.tr> YÖKAK/THEQC website : <https://yokak.gov.tr>  
The Turkish ENIC-NARIC website : <https://denklik.yok.gov.tr/enic-naric-tr-tanima-ofisi> TYÇ/TQF website : <https://www.myk.gov.tr/index.php/en/turkiye-yeterlilikler-cercevesi>  
TYÇ/TQF-HE website : <http://www.tyyc.yok.gov.tr>

#### 7. CERTIFICATION OF THE SUPPLEMENT

##### 7.1 Date

26.07.2022

##### 7.2 Name and Signature

Mustafa KAYA

##### 7.4 Official stamp or seal

##### 7.3 Capacity

Head of Student Affairs Department