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 bütünleşik 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 sciences, and cycle-complete master's degree programmes are completed having earned 240 ECTS credits, which consist of completion of courses, a seminar, 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, 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.

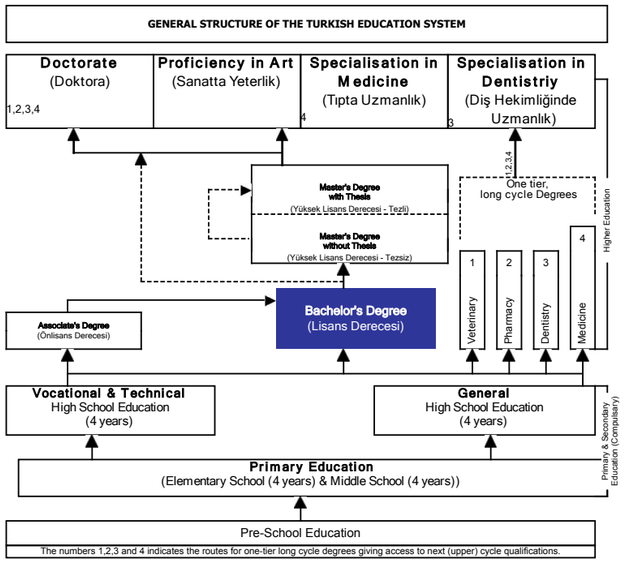
TQF consists of 8 levels in which the higher education lies from 5 to 8. The levels of TQF and TQF-HE with reference to the European Overarching Qualifications Frameworks as well as that to ECTS credits and student workload are shown below.

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 Specialisation in Medicine Specialisation in Dentistriy Proficiency in Art	4	240
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



Kırklareli University
Diploma Supplement

Kırklareli Üniversitesi
Kırklareli Üniversitesi Rektörlüğü
Kayalı Kampüsü / KIRKLARELİ / TÜRKİYE
Tel: +90 288 212 9670
http://www.klu.edu.tr

europass

Diploma No : 2021.05.05.0729
Diploma Date : 16.07.2021

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) :
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):

Yazılım Mühendisliği, Lisans Derecesi

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

Software Engineering

2.3. Name and status of awarding institution :

Kırklareli Üniversitesi / Devlet Üniversitesi
Kırklareli University / State University

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

Same as 2.3

2.5. Language(s) of instruction/examination:

Turkish

3 - INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION

3.1. Level of the qualification:

First Cycle (Bachelor`s) Degree

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

4 years (240 ECTS), 8 Semesters, 16-18 weeks per semester

3.3. Access requirement(s):

For Turkish Citizens:
(1) High School Diploma, (2) Placement through a centralised, nation-wide student selection and placement examination organized by Assessment, Selection and Placement Centre (ÖSYM). Candidates gain access to the programmes based on their composite scores consisting of the scores on the centralized exam and high school grade point averages.
For International Students
Candidates applying for the announced quotas of the university will have the scores they have obtained from national exams of the designated countries for that quota, international exams, exams held by our university, Foreign Student Exams held by universities in Turkey, the Foreign Student Admission Exam from Abroad to Turkey (TRYÖS), or their high school grade point averages converted into a percentage scale. Placement of the applicant is made based on his/her calculated percentage scale and preference. In case of a tie, priority will be given to the younger candidate or the one with a more recent high school graduation, in the cited order.

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:
Apply Mathematics, Science and Engineering knowledges to Software Engineering problems.
Analyze engineering problems, determine appropriate software requirements for modeling and solutions.
Designs, develops and evaluates a software system, system component, process or program to satisfy specified requirements.
Recognize, apply, evaluate, measure, manage, modify and develop for Software Engineering processes.
Performs analysis, design, implementation, validation and maintenance process in the development of software systems.
Produces engineering solutions by knowing the universal, social and legal consequences of software engineering applications.
Manages projects and makes risk management with an entrepreneurial and innovative perspective.
Graduation Requirements:
2.00 General Mean

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

Course Code	Course Title	Course Category	Institutional Credits	ECTS Credits	Grade
Semester 1					
FIZ13151	Physics I	Required	3	5	DC
MAT13151	Mathematics I	Required	4	6	CB
MUF16101	Office Applications In Engineering	Required	1,50	2	BA
UNV13101	Turkish I	Required	2	2	CB
UNV13103	Principles Of Ataturk and History Of The Revolution I	Required	2	2	AA
UNV13105	English I	Required	4	4	DD
YAZ16101	Algorithms and Programming	Required	3	5	CC
YAZ16103	Introduction To Software Engineering	Required	2	4	CC
Semester 2					
YAZ16104	Introduction To Operating Systems	Required	2	4	BB
YAZ16102	Data Structures and Algorithms	Required	4	7	CC
UNV13104	Principles Of Ataturk and History Of The Revolution Ii	Required	2	2	AA
UNV13106	English Ii	Required	4	4	DC
MAT13152	Mathematics Ii	Required	4	6	BA
FIZ13152	Physics Ii	Required	3	5	BB
UNV13102	Turkish Ii	Required	2	2	BB
Semester 3					
UNV13011	Research Methods and Techniques	Elective	2	2	DC
UNV13201	English Iii	Required	4	4	CC
YAZ16201	Database Management Systems I	Required	3	5	CC
YAZ16203	Object Oriented Programming	Required	3	6	CC
YAZ16205	Discrete Structures In Computer Science	Required	2	4	AA
YAZ16207	Linear Algebra In Computer Sciences	Required	3	4	BB
YAZ16209	Web Programming I	Required	3	5	BB
Semester 4					
YAZ16204	Web Programming Ii	Required	3	5	CC
YAZ16208	Algorithm Analysis and Design	Required	4	5	DC
YAZ16202	Database Management Systems Ii	Required	3	5	CC
YAZ16206	Numerical Analysis Of Computer Science	Required	3	5	CB
STAJ16001	Internship I (20 Working Days)	Required	0	5	BL
MUF13202	Probability and Statistic	Required	2	4	BB
UNV13001	Entrepreneurship	Elective	2	2	BB
Semester 5					
UNV13020	Technical English I	Elective	2	4	BB
YAZ16303	Software Architecture and Design	Required	3	4	CC
YAZ16305	Artificial Intelligence and Expert Systems	Required	3	5	DD
YAZ16307	Python Programming	Elective	3	4	DC
YAZ16311	Computer Grafics	Elective	3	4	CC
YAZ18301	Visual Programming	Required	3	5	BB
YAZ18313	Management Information Systems	Elective	3	4	DD
Semester 6					
YAZ18314	Embedded Systems	Elective	3	4	BA
YAZ18306	Mobile Application Development	Required	3	5	CC
YAZ16310	Digital Image Processing	Elective	3	4	CB
YAZ18302	Data Mining and Big Data Analysis	Required	3	5	DD
UNV13021	Technical English Ii	Elective	3	4	AA
STAJ16002	Internship Ii (20 Working Days)	Required	0	4	BL
YAZ16304	Software Project Management	Required	3	4	AA
Semester 7					
MUF13401	Graduation Project I	Required	1	6	BB
YAZ16401	Software Testing Metrics and Measurement	Required	3	4	BB
YAZ18405	Game Programming	Elective	4	5	BA
YAZ18409	Advanced Web Programming	Elective	4	5	CB
YAZ18411	Formal Languages and Automata	Elective	4	5	CC
YAZ18413	Manufacturing Planning, Design and Control Systems	Elective	4	5	CC
Semester 8					
YAZ18412	Human Computer Interaction	Elective	4	5	AA
MUF13402	Graduation Project Ii	Required	1	6	AA
YAZ16402	Software Security	Required	3	4	BA
YAZ16408	Cloud Computing	Elective	4	5	BB
YAZ18404	Informatics Ethics and Law	Elective	4	5	CC
YAZ18416	Natural Language Processing	Elective	4	5	BB

Total Credits Obtained: 159,5 (Institutional), 240 ECTS **Cumulative Grade Point Average (CGPA): 2.49 out of 4.00**

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

Definitions	Letter Grade	Coefficient	Scores
EXCELLENT	AA	4	90-100
EXCELLENT-GOOD	BA	3,5	85-89
GOOD	BB	3	80-84
GOOD-AVERAGE	CB	2,5	75-79
AVERAGE	CC	2	65-74
AVERAGE-PASS	DC	1,5	55-64
CONDITIONAL PASS	DD	1	50-54
FAIL	FD	0,5	30-49
FAIL	FF	0	0-29
ABSENTE FAIL	DZ	0	0
SUFFICIENT	BL	0	0
INSUFFICIENT	BZ	0	0

(1) Exams are evaluated with points given out of 100.
(2) Absolute grading system is used in calculating the final grade of the students.
(3) Passing grade in master's programs (with and without dissertation) is at least 65 points out of 100; in doctoral programs, it is at least 75 points out of 100 points.
(4) If the student is successful, one of the following grades is given:
a) Students who are successful in a course; CC grade or higher is given for master's programs, and CB grade or higher is given for doctoral programs.
b) In case of successful completion of non-credit courses, specialization courses, seminars, dissertation studies, or term projects, an S grade is given.
(5) The student is given one of the following grades depending on the reason for their failure:
a) DZ: It is used for the courses taken by students who have not fulfilled the requirements related to class attendance and application, and who are not entitled to take the midterm/final exam for that course due to absence, thus the student is deemed unsuccessful in the course.
b) GR: It is used for the courses taken by students who have the right to take the midterm/final exam for that course by fulfilling the conditions related to class attendance and application, but who do not take the exam, thus the student is deemed unsuccessful in that course.
c) [illegible] is used for non-credit courses, specialization courses, seminars, dissertation studies, or term projects that are not completed successfully.
(6) D[illegible]t is used [illegible] the c[illegible] tha[illegible] specialized field topic or dissertation study courses are in progress.

4.5. Overall classification of the qualification:

Genel Not Ortalaması: 2.49/4.00
Cumulative Grade Point Average (CGPA): 2.49/4.00
Başarılı / 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 second cycle degree or directly to integrated third cycle (doctorate) programmes.

5.2. Access to a regulated profession (if applicable) : This degree enables the graduate to exercise his/her profession in the field of software engineering as a software engineer in accordance with the national regulations and practices.

6 - ADDITIONAL INFORMATION

6.1. Additional information : N/A

: **Internship Period =** 2018-2019 Spring Semester **Company Name =** Vizyon Design Bilişim Ar-ge Tanıtım ve İnternet Teknolojileri **Accepted Day =**
Internship Period = 2018-2019 Spring Semester **Company Name =** Vizyon Design Bilişim Ar-ge Tanıtım ve İnternet Teknolojileri **Accepted Day =** 20

6.2. Further information sources

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

7 - CERTIFICATION OF THE SUPPLEMENT

7.1 Date : 16.07.2021

7.2 Name and Signature : Gökhan ATAŞTÖKEN

7.3 Capacity : Acting Head of Registrar's Office

7.4 Official stamp or seal