

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 noncompulsory 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 Bologna Process. The structure of Turkish higher education degrees is based on a two-tier system, except for dentistry, pharmacy, medicine and veterinary medicine programmes which have a one-tier system. The duration of these one-tier programmes is five years (300 ECTS) except for medicine which lasts six years (360 ECTS). The qualifications in these one-tier programmes are equivalent to the first cycle (bachelor's) plus second cycle (master's) degree. 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.

Graduate level of study consists of second cycle (master's)-(yüksek lisans derecesi) and third cycle (doctorate)-(doktora derecesi) degree programmes. Second cycle is divided into two sub-types named as master without thesis and master with thesis. Master programmes without thesis require 60 to 90 ECTS credits and consist of courses and a semester project. 60 ECTS non-thesis master programmes are exceptional, and exist in a few disciplines. The master programmes with a thesis require 90 to 120 ECTS credits, which consists of courses, a seminar, and a thesis. Third cycle (doctorate) degree programmes are completed having earned a minimum of 180 ECTS credits, which consists of completion of courses, passing a proficiency examination and a doctoral thesis. Specialization in medicine, accepted as equivalent to third cycle programmes are carried out within the faculties of medicine, university hospitals and the training hospitals operated by the Ministry of Health.

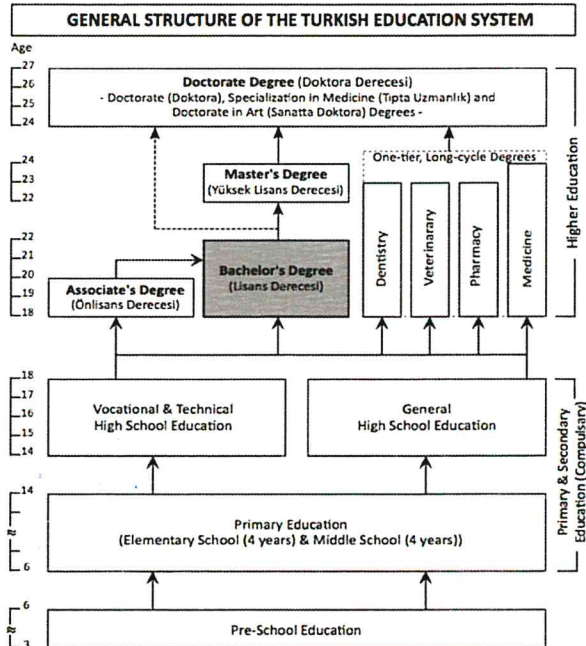
Universities consist of graduate schools (Institutes) offering second cycle (master's) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor's degree) programmes, four-year higher schools offering first cycle (bachelor's) degree programmes with a vocational emphasis and two-year vocational schools offering short cycle (associate's) degree programmes of a strictly vocational nature.

Since 2003, first cycle degree holders may apply directly to third cycle (doctorate) programmes if their performance at the first cycle degree level is exceptionally high and their national central Graduate Education Entrance Examination (ALES) score is also high and their application is approved. For these students, theoretical part of the programmes requires additional courses of 60 ECTS credits.

Admission of national students to short and first cycle degree programmes is centralized 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 foreign 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.

The Turkish National Qualifications Framework for Higher Education (TYYÇ): The National Qualifications Framework for Higher Education in Turkey (TYYÇ) developed with reference to the QF for European Higher Education Area and the EQF for lifelong learning was adopted by the CoHE in 2010. The framework has been developed as a part of a single national qualifications framework, which would eventually consists of 8 level national framework covering all levels of educations on completion of the ongoing work at the national level, in which the higher education levels lie on levels between 5 to 8. The levels of the TYYÇ with reference to the European overarching qualifications frameworks as well as that to ECTS credits and student workload are shown below.

TYYC LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS						
Higher Education Levels/Cycles			AWARDS/ DEGREES	LENGTH (Year)	TOTAL ECTS CREDITS (Year x 60 ECTS)	TOTAL STUDENT WORKLOAD (h) (1 ECTS= 25-30h)
QF-EHEA	EQF-LLL	TYYÇ LEVELS				
3	8	8	Doctorate ----- Specialization in Medicine ----- Doctorate in Art	3 (min.)	180 (min.)	4.500 – 5.400
2	7	7	Master's Degree	1 - 2	60 - 120	1.500 – 3.600
1	6	6	Bachelor's Degree	4	240	6.000 – 7.200
Short Cycle	5	5	Associate's Degree	2	120	3.000 – 3.600



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Diploma Supplement

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Diploma No
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This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the 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 studeies that we pursued and successfully completed by the individual name on the original qualification to which this supplement is appended. It should be free from any value-judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1 Family name(s) :
1.2 Given name(s) :
1.3 Date of birth :
1.4 Student indentification number :

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of the qualification and (if applicable) title conferred (in original language) :
Yazılım Mühendisliği, Lisans
2.2 Main field(s) of study for the qualification:
Software Engineering
2.3 Name and status of awarding institution (in original language) :
Atılım University; Foundation supported; Public Legal Entity, Non-profit, State recognised Atılım Ünivesitesi; Vakıf, kanunla kurulmuş devlet tarafından tanınan üniversite
2.4 Name and status of institution administering studies :
Same as 2.3
2.5 Language(s) of instruction/examination :
English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

- 3.1 Level of Qualification
First Cycle (Bachelor's Degree)
3.2 Official length of programme :
**4 years (excluding one year English preparatory school)
2 semesters per year, 16 weeks per semester,240 ECTS**
3.3 Access requirement(s) :
**High School Diploma,
Placement through a centralized national university placement examination (ÖSS),
Certificate of English Proficiency**

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1 Mode Of Study
Full-time
4.2 Program requirements :
The Bachelor's Degree is awarded to students who have successfully completed all courses in the curriculum, including two industrial training periods, and have obtained a cumulative grade point average of at least 2.0 on a 4.0 scale and no failing grades (below DD).
Objectives :
The aims of this programme are to educate the students who are capable of generating effective solutions by using engineering approaches in the software life-cycle and to provide new direction to the field of software engineering with academic research. In addition, the program aims at creating environments for learning by doing, project-based learning and participation to enable the students to gain industrial experience through projects and to provide all the theoretical knowledge required.

Key program outcomes :
 - Mastering the software life cycle and realizing its importance, to understand the need for continuous improvement of software systems utilizing related international standards
 - Being able to define the problems related to software systems using analytical thinking skills and the accumulated knowledge from mathematics, engineering and software engineering
 - Being able to analyze and interpret data in the specification of software requirements by effectively using statistical and other related methods
 - Being able to work effectively in teams from different disciplines in work environments
 - Being able to apply effective communication skills and understand the need for lifelong learning

4.3 Program Details: (e.g. modules or units studied), and the individual grade/marks/credits obtained :

Cirriculum courses

Code	Course Title	Course Category	Local Credit	Grade	ECTS
1. Semester					
CHEM 102	Chemistry	R	4	CC	6
MATH 151	Calculus I	R	5	CC	7.5
COMPE 111	Introduction to Computer Engineering	R	3	DC	4
PHYS 101	Physics I	R	4	CC	6
E 101	Engineering Fundamentals	R	1	CC	2
ENG 111	Introduction to Communication Skills I	R	4	BB	4.5
2. Semester					
ENG 104	Communication Skills II	R	3	DD	4
SE 112	Introduction to Software Engineering	R	3	DC	5
PHYS 102	Physics II	R	4	DC	6
MATH 152	Calculus II	R	5	CC	7.5
COMPE 112	Computer Programming in C	R	4	CB	7.5
3. Semester					
MATH 275	Linear Algebra	R	4	CB	6
COMPE 225	Object-Oriented Programming	R	3	DC	5.5
SE 211	Human Computer Interaction	R	3	CC	5.5
COMPE 251	Discrete Computational Structures	R	3	DD	5
ENG 211	Communication Skills III	TE	2	CC	3
IE 220	Probability and Statistics	R	3	CC	5
4. Semester					
ENG 212	Technical Report Writing and Communication	R	2	CC	3
ISE 424	Distance Education and e-Learning	TE	3	BA	5
COMPE 226	Data Structures	R	3	DD	5.5
SE 232	System Software Validation and Testing	R	3	DD	5.5
SE 222	Software Quality Assurance	R	3	CC	5
MATH 276	Differential Equations	R	4	CB	6
5. Semester					
SE 399	Summer Practice	R	0	S	4
COMPE 231	Digital Circuits and Systems	TE	4	DC	6
COMPE 341	Database Design and Management	R	4	DC	5
COMPE 323	Algorithms	R	3	DD	4.5
TURK 101	Turkish Language I	R	2	CC	2
COMPE 325	Study of Programming Languages	R	3	CC	4.5
SE 311	Software Requirements Engineering	R	3	BB	4
6. Semester					
IE 305	Engineering Economic Analysis	TE	3	BA	5
SE 332	Object Oriented Analysis and Design	R	3	DD	6.5
COMPE 465	Knowledge Engineering	R	3	CB	5
GSM 165	General Culture nad Theory of Music	R	3	BA	5
TURK 102	Turkish Language II	R	2	CB	2
SE 322	Software Architecture	R	3	BB	6.5
7. Semester					
COMPE 431	Operating Systems	R	4	CC	4
SE 499	Summer Practice II	R	0	S	6
SE 420	Software Project Management	R	3	BB	5
ISE 422	e-Government	TE	3	CC	5
GSM 111	History of Music	R	3	AA	5
HIST 101	Princ. of Ataturk and Hist of Turk. Rev. I	R	2	CC	2
SE 491	Senior Project I	R	2	AA	3
8. Semester					
HIST 102	Princ. of Ataturk and Hist of Turk. Rev. II	R	2	AA	2
SE 340	Rapid Application Development	TE	3	BB	5
SE 492	Senior Project II	R	3	AA	9
ORY 400	Social And Cultural Activities	R	0	S	1
COMPE 436	Data Communication & Networks	TE	4	CB	8
ISE 403	Information Systems Development	R	3	DC	5
30					

R:Required TE:Technical Elective NTE:Non-technical Elective
Total Local Credits: 144
Total ECTS Credits: 240,00
Cumulative Grade Point Average (CGPA) : 2,21 out of 4.00

4.4 Grading scheme and, if available, grade distribution guidance:

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

PERCENTAGE	COURSE GRADE	GRADE POINTS	GRADE POINTS
90-100	AA	4.0	Excellent
85-89	BA	3.5	Very Good
80-84	BB	3.0	Very Good
75-79	CB	2.5	Good
70-74	CC	2.0	Satisfactory
65-69	DC	1.5	Conditional Passing Grade
60-64	DD	1.0	Conditional Passing Grade
50-59	FD	0.5	Fail
49 and below	FF	0.0	Fail

Other Grades

S - Satisfactory T - Transfer NI - Not included

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

The grade (T) reflects approved courses transferred from other universities.

The grade (NI) is given if courses within the program or programs in which a student is registered are taken with the condition that they are not included in their Cumulative Grade Point Average.

Grade Point Averages: The student's standing is calculated in the form of a Grade Point Average (GPA) and CGPA (Cumulative GPA), and announced at the end of each semester by the Registrar's Office. The total credit points for a course are obtained by multiplying the grade point of the final grade by the credit hours. In order to obtain the GPA for any given semester, the total credit points earned in that semester are divided by the total credit hours. The CGPA is calculated by taking into account all the courses taken by a student from the beginning of entrance to the University which are recognized as valid by the Department in which she/he is registered.

The criteria for degree classification are:

- Satisfactory (Başarılı)	2.00 - 2.99
- Honor Degree (Şeref Öğrencisi)	3.00 - 3.49
- High Honor Degree (Yüksek Şeref)	3.50 - 4.00

4.5 Overall classification of the qualification :

Satisfactory/Başarılı

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

May apply to graduate programmes.

5.2 Professional status (if applicable):

This degree enables the graduate to practice the profession.

6 ADDITIONAL INFORMATION

6.1 Additional information:

N/A

6.2 Further information sources:

University web site: <http://www.atilim.edu.tr>

Department of Software Engineering Web Site: <http://se.atilim.edu.tr>

The Council of Higher Education Web site: <http://www.yok.gov.tr>

The Turkish ENIC-NARIC web site: <http://www.enic-naric.net/index.aspx?c=Turkey>

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date : 15.02.2012
7.2 Name and Signature : Hamiyet Aydoğan
7.3 Capacity : Head of Student Affairs
7.4 Official stamp or seal :

