4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1. Mode of study: Full Time

4.2. Programme requirements

A student is required to have a minimum CGPA of 2.00/4.00 and no failing grades (below DD).

4.3. Programme details and the individual grades/marks/credits obtained:

Curriculum courses

	Course Name		METU Credit 0.0	Grade S	ECTS 1.0
5710100	COMPUTER ENGINEERING ORIENTATION	Required Course	0.0	S	1.0
9010100	INTRODUCTION TO INFORMATION TECHNOLOGIES AND APPLICATIO	Required Course	4.0	CB	6.0
6390101	ENGLISH FOR ACADEMIC PURPOSES I ENGLISH FOR ACADEMIC PURPOSES II	Required Course Required Course	4.0	DD	6.0
6390102 2300105		Required Course	4.0	СВ	6.5
2300105	GENERAL PHYSICS I GENERAL PHYSICS II	Required Course	4.0	BB	6.5
	GENERAL CHEMISTRY	Required Course	4.0	AA	6.0
2340107	INTRODUCTION TO COMPUTER ENG. CONCEPTS	Required Course	4.0	DD	4.0
5710111	PAINTING	Free Elective	3.0	BA	5.0
6430112		Required Course	5.0	BA	7.5
2360119 2360120	CALCULUS WITH ANALYTIC GEOMETRY CALCULUS FOR FUNCTIONS OF SEVERAL VARIABLES	Required Course	5.0	BA	7.5
5710140	C PROGRAMMING	Required Course	4.0	BA	4.0
		Required Course	3.0	CC	4.0
6390211	ACADEMIC ORAL PRESENTATION SKILLS	Required Course	3.0	СВ	6.0
5710213 2360219	DATA STRUCTURES	Required Course	4.0	DD	7.0
	INTRODUCTION TO DIFFERENTIAL EQUATIONS	Required Course	3.0	DC	5.0
2460221 5710223	FUNDAMENTALS OF STATISTICS DISCRETE COMPUTATIONAL STRUCTURES	Required Course	3.0	CC	6.0
5710223	FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING	Restricted Elective	3.0	ВВ	5.0
5710230	LOGIC DESIGN	Required Course	4.0	DD	7.0
5710232	PROGRAMMING LANGUAGE CONCEPTS	Required Course	4.0	BB	7.0
2360260	BASIC LINEAR ALGEBRA	Required Course	3.0	CC	5.0
5710280	FORMAL LANGU.AND ABSTRACT MACHINES	Required Course	3.0	СВ	6.0
	ELECTRICAL CIRCUITS	Required Course	3.0	DD	5.0
5670281 5670282	INTRODUCTION TO DIGITAL ELECTRONICS	Required Course	3.0	CC	5.0
5710300	SUMMER PRACTICE I	Required Course	0.0	S	2.0
6420303	TURKISH I	Required Course	0.0	S	2.0
6420304	TURKISH II	Required Course	0.0	S	2.0
5710315	ALGORITHMS	Required Course	3.0	DD	6.0
1250317	INTRODUCTION TO VISUAL MEDIA	Nontechnical Elective		AA	5.0
4300321	FOUNDATIONS OF DISTANCE EDUCATION	Technical Elective	3.0	AA	5.0
5710331	COMPUTER ORGANIZATION	Required Course	3.0	СВ	6.0
5710331	INTRODUCTION TO OPERATING SYSTEMS	Required Course	3.0	CC	5.5
5710334	INTRO.TO EMBEDDED SYSTEMS DEVELOPMENT	Required Course	3.0	BB	5.5
5710350	SOFTWARE ENGINEERING	Required Course	3.0	DD	5.5
5710351	DATA MANAGEMENT AND FILE STRUCTURES	Required Course	3.0	BB	6.0
5710351	DATABASE MANAGEMENT SYSTEMS	Technical Elective	4.0	DC	6.0
1200365	FINE ARTS TECHNIQUES WORKSHOP	Nontechnical Elective		AA	6.0
1200366	FINE ARTS TECHNIQUES WORKSHOP	Nontechnical Elective		ВА	6.0
5710384	SIGNALS AND SYSTEMS FOR COMPUTER ENGINEERS	Required Course	3.0	DD	5.0
5710400	SUMMER PRACTICE II	Required Course	0.0	S	2.0
5710436	DATA COMMUNICATIONS AND NETWORKING	Required Course	3.0	DD	6.0
5710443	INTRODUCTION TO OBJECT-ORIENTED PROG. LANG. AND SYSTEMS	Technical Elective	3.0	DD	6.0
5710451	INFORMATION SYSTEMS DEVELOPMENT	Technical Elective	3.0	ВА	6.0
5710477	INTRODUCTION TO COMPUTER GRAPHICS	Required Course	3.0	CC	6.0
5710491	COMPUTER ENGINEERING DESIGN I	Required Course	2.0	СВ	7.0
5710492	COMPUTER ENGINEERING DESIGN II	Required Course	2.0	CC	7.0
2402201	PRINCIPLES OF KEMAL ATATÜRK I	Required Course	0.0	S	2.0
2402202	PRINCIPLES OF KEMAL ATATÜRK II	Required Course	0.0	S	2.0
_ 10_EUE					

Total METU credits:135

Total ECTS credits:246.5

Final grade of the degree (CGPA):2.39 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 instructor. The letter grades, coefficients and percentage equivalents are given below.

PERCENTAGE	COURSE GRADE	COEFFICIENT
90-100	AA	4
85-89	BA	3.5
80-84	BB	3
75-79	CB	2.5
70-74	CC	2
65-69	DC	1.5
60-64	DD	1
50-59	FD	0.5
49 and below	FF	0

I- Incomplete, S-Satisfactory Completion, U-Unsatisfactory, P-Satisfactory Progress, EX-Exempt, NI-Not Included, W-Withdrawn

The grade of (I) is given to a student who provides supporting evidence 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 7 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 (FF).

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

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

The grade (P) is given to students who are successfully taking non-credit courses.

The grade (EX) is given to students who previously attended another higher education institution and entered the university with the Student Selection Exam held by ÖSYM, and to those who transfer to this university from another, after the equivalence of courses they have taken before is approved by the faculty board after the Chairperson proposes it. The grade (EX) can also be given to student who meet the conditions determined by the Senate. The grade (EX) is not included in the grade point average but is shown on the transcript.

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".

The grade (W) is issued if a student withdraws from a course after the add/drop period within the first 10 weeks after the semester starts, on the recommendation of her/his advisor and permission of the instructor concerned.

The student's standing is calculated in the form of a Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) and is announced at the end of each semester by the Registrar's Office. The total credit points for a course are obtained by multiplying the coefficient of the final grade by the credit hours. In order to obtain the GPA for any given semester, the total credit points are divided by the total credit hours . The averages are given up to two decimal points.

4.5. Overall classification of the qualification : Başarılı \ Satisfactory

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

- **5.1. Access to further study**: May apply to second cycle programmes.
- 5.2. Professional status (if applicable): Degree facilitates the exercise of the profession

6. ADDITIONAL INFORMATION

6.1. Additional Information:

Not applicable

6.2. Further Information Sources:

Faculty web page: http://www.eng.metu.edu.tr/

Registrar's Office Home Page: http://www.oidb.metu.edu.tr/eng

Online university catalog: http://catalog.metu.edu.tr Council of higher education: http://www.yok.gov.tr

ENIC/NARIC info center: http://www.enic-naric.net/index.aspx?c=Turkey

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date: 23/06/2015

7.2. Name and signature : Sebat Alanlı

7.3. Capacity: Acting Registrar

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 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.

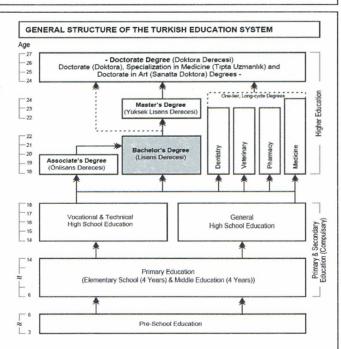
Universities consist of graduate schools (Institutes) offering second cycle (master.s) and third cycle (doctorate) degree programmes, faculties offering first cycle (bachelor.s degree) programmes, four-year higher schools offering first cycle (bachelor.s) degree programmes with a vocational emphasis 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 Level & Cycles		AWARDS/ DEGREES	LENGTH	TOTAL ECTS CREDITS	TOTAL STUDENT WORKLOAD (h)			
QF- EHEA	EQF- LLL	TYYÇ LEVELS		(Year)	(Year x 60 ECTS)	(1 ECTS=25-30h)		
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		







Diploma Date: 22/06/2015

DUMLUPINAR BULVARI 06800 ANKARA/TURKEY ■ T: +90 312 210 21 01 ■ F: +90 312 210 11 05 ■ www.metu.edu.tr

Diploma No: 121356

Diploma Supplement

This Diploma Supplement model was 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 studies that were pursued and successfully completed by the individual named 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.

B.S., Computer Engineering, Middle East Technical University

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1. Family name(s) : YILMAZ

1.2. Given name(s) : HASAN

 1.3. Date of birth
 : 24.04.1991

 1.4. Student identification number
 : 1679349

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of the qualification:

Bilgisayar Mühendisliği, Lisans

Title conferred (if applicable):

Bilgisayar Mühendisi

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

Computer Engineering

2.3. Name and status of awarding institution:

Orta Doğu Teknik Üniversitesi, Devlet Üniversitesi

2.4. Name and status of institution administering studies:

Same as 2.3

2.5. Language(s) of instruction / examination:

English

3. INFORMATION OF THE LEVEL OF QUALIFICATION

3.1. Level of qualification:

First Cycle (Bachelor's Degree)

3.2. Official length of programme:

Normally 4 years (240 ECTS), maximum 7 years (excluding 1 year English Preparatory School, if necessary) 2 semesters per year, 16 weeks per semester

3.3. Access requirements:

Admission to higher education is based on a nation-wide Student Selection Examination (ÖSS). Certificate of English Proficiency is also required.