YILDIZ TECHNICAL UNIVERSITY
DIPLOMA SUPPLEMENT

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Diploma No : 2024-L-0970
Diploma Date : 14.06.2024

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 the 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 judgments, equivalence statement 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):

KADİROĞLU

1.2. Given name(s):

KADİR

1.3. Date of birth (day/month/year):

01/04/1998

1.4. Student identification number :

2006A601

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of the qualification (in original language):

Mekatronik Mühendisliği (İngilizce) Bölümü, Lisans

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

Department of Mechatronics Engineering (English)

2.3. Name and status of awarding institution (in original language):

Yıldız Teknik Üniversitesi, Devlet Üniversitesi,
Yildiz Technical University, State University

2.4. Name and status of institution administering studies (in original language):

Same as 2.3.

2.5. Language(s) of instruction:

%100 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, 2 semesters per year, 14 weeks of lecture + 2 weeks of exam period per semester, 240 ECTS

3.3. Access requirement(s):

Within the framework of the regulations designated by the Council of Higher Education (YÖK), student admission for this programme is made through a centralized and nationwide two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Center- 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.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1. Mode of Study:

Full-time

4.2. Programme requirements:

Requirements

This Bachelor's Degree is awarded to students who have achieved at least 240 ECTS credits, have obtained a GPA of minimum 2.00/4.00 and have completed the compulsory internship within the specified duration.

Objectives

-An ability to design a mechatronic system, component, or process to meet desired needs
-An ability to function on multidisciplinary teams
-An ability to identify, formulate and solve engineering problems
-An ability to communicate effectively
-A recognition of the need for, and an ability to engage in, life-long learning
-An ability to use the techniques, skills, and modern mechatronic engineering tools necessary for engineering practice

4.3. Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained:

CODE	NAME	LANGUAGE	CATEGORY	LOCAL	ECTS	GRADE
Preparation						
TIB1000	Prep. School	EN	C	0	0	BA
						Total ECTS : 0
Semester 1						
MKT1831	Lab 1: Machine Shop And Manufacturing	EN	C	1	2	BA
MKT1821	Introduction To Mechatronics Engineering	EN	C	2	3	BA
MKT1801	Workplace Health And Safety 1	EN	C	2	2	BA
MDB1031	Advanced English I	EN	C	3	3	BA
MAT1320	Linear Algebra	EN	C	2	3	CB
MKT1111	Computer Aided Design	EN	C	4	6	BB
FIZ1001	Physics 1	EN	C	4	5	BA
MAT1071	Mathematics 1	EN	C	4	6	AA
						Total ECTS : 30
Semester 2						
MAT1072	Mathematics 2	EN	C	4	6	AA
MKT1802	Workplace Health And Safety 2	EN	C	2	2	CB
MKT1142	Computer Programming And Algorithms	EN	C	3	5	BA
MKT1132	Introduction To Electric Circuits	EN	C	3	5	BA
FIZ1002	Physics 2	EN	C	4	5	BB
MDB1032	Advanced English II	EN	C	3	3	BA
MKT1122	Materials Science	EN	C	3	4	DC
						Total ECTS : 30
Semester 3						
MKT2151	Object Oriented Programming	EN	C	3	5	CB
MAT2411	Differential Equations	EN	C	4	5	CB
MKT2831	Lab 2: Electric And Electronics	EN	C	1	3	AA
TDB1031	Turkish Language 1	TR	C	0	2	BB
MKT2001	Shop Floor Training	EN	C	0	2	G
MKT2141	Analog Electronics	EN	C	3	5	DC
MKT2161	Engineering Mechanics 1	EN	C	3	5	BB
						Total ECTS : 27
Semester 4						
TDB1032	Turkish Language 2	TR	C	0	2	AA
MKT2822	Electronic And Communication Circuits	EN	C	3	4	CB
MKT2812	Signals And Systems	EN	C	3	5	CB
MKT2832	Thermodynamics	EN	C	3	4	DC
MKT2142	Mechanics Of Materials	EN	C	3	5	CB
MKT2112	Engineering Mechanics 2	EN	C	3	5	DC
MKT2802	Logical Circuits	EN	C	3	5	BB
ITB2090	Theories, Principles and Culture of Dem.	EN	E	3	3	DC
						Total ECTS : 33
Semester 5						
MKT3871	Process Technique	EN	E	3	4	CB
MKT3841	Numerical Methods	EN	C	3	4	BB
MKT3831	Fluid Mechanics And Heat Transfer	EN	C	3	5	BA
MKT3821	Machine Elements	EN	C	4	5	DC
ATA1031	Principles Of Atatürk And History Of Modern Turkey I	TR	C	0	2	BB
MKT3801	System Dynamics	EN	C	3	4	AA
MKT3001	Occupational Training	EN	C	0	2	G
MKT3811	Microprocessors And Programming	EN	C	3	4	AA
						Total ECTS : 30
Semester 6						
MKT3812	Industrial Automation	EN	C	3	5	BB
MKT3802	Engineering Statistics And Experimental Methods	EN	C	3	4	DC
MKT3822	Lab 3: System Dynamics And Control	EN	C	1	2	AA
MKT3832	Electromechanic Energy Conversion Systems	EN	C	3	4	BA
MKT3122	Automatic Control	EN	C	3	5	BB
MKT3842	Hydraulic And Pneumatic Systems	EN	C	3	5	CB
ITB3020	Introduction to Philosophy	EN	E	3	3	CB
ATA1032	Principles Of Atatürk And History Of Modern Turkey II	TR	C	0	2	CB
						Total ECTS : 30
Semester 7						
MKT4831	Robot Engineering	EN	E	3	4	CB
MKT4827	Power Electronics	EN	E	3	4	BA
MKT4825	Introduction To Thermal System Design	EN	E	3	4	CB
MKT4111	Mechatronic System Design	EN	C	2	3	BA
MKT4801	Electrical Drive Systems	EN	C	3	4	CB
MKT4833	Mechanical Vibrations	EN	E	3	4	AA
MKT4001	Occupational Training	EN	C	0	2	G
MKT4813	System Analysis And Design	EN	E	3	5	BB
MKT4837	Introduction to Optomechatronics	EN	E	3	4	AA
						Total ECTS : 34
Semester 8						
MKT4847	Engineering Design	EN	E	3	4	CC
MKT4802	Lab 4: Sensors And Actuators	EN	C	1	2	BB
MKT4832	Medical Mechatronics	EN	E	3	4	CB
MKT4816	Engineering Economics	EN	E	3	4	DC
MKT4836	Computer Aided Manufacturing	EN	E	3	4	BB
MKT4000	Graduation Thesis	EN	C	4	8	AA
						Total ECTS : 26

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Total National Credits: 157 Total ECTS Credits: 240 CGPA : 2,88 out of 4

Course Language: TR:Turkish, EN: English, DE: German, FR: French, RU: Russian, IT: İtalian, ES: Spanish C: Compulsory, E: Elective, ERA: Erasmus, MEV: Mevlana, FAR: Farabi

4.4 Grading scheme and grades if avaible, grade distribution guidance;

AA	4.0	Excellent
BA	3.5	Very Good
BB	3.0	Good
CB	2.5	Fair
CC	2.0	Satisfactory
DC	1.5	Conditionally Successful
DD	1.0	Fail
FD	0.5	Fail
FF	0.0	Fail
G	---	Pass
M	---	Exempt
E	---	Incomplete
K	---	Fail
I	---	Off Duty

A student who obtains at least CC (2.0) grade is considered to be successful. A student who receives a DC (1.5) except for the thesis is considered to be "conditionally successful".

The student whose CGPA (Cumulative Grade Point Average) is minimum CC (2.0) is considered to be successful on the "conditional" courses.

"Thesis" (Final Assignment for Graduation): Students' grade has to be minimum CC (2.0).

ASL: Apprenticeship, FE: Free Elective, FS: Faculty Elective, R: Occupational Course, SE: Social Elective, TE: Elective

4.5. Overall classification of the qualification:

3.50+	High Honour
3.00+	Honour
2,88	N.A

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1. Access to further study:

May apply to second cycle programmes.

5.2. Professional status conferred (if applicable) :

This degree enables the holder to practise the profession.

6. ADDITIONAL INFORMATION

6.1. Additional İnformation:

N.A

6.2. Further information sources:

Department of Mechatronics Engineering (English)
University web site: www.yildiz.edu.tr
The Council of Higher Education web site: www.yok.gov.tr
The Turkish of ENIC-NARIC web site:
www.enic-naric.net/index.aspx?c=Turkey

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date:

26.06.2024

7.2 Name and Signature:

Hicran Burcu AYDIN

7.3. Capacity:

Head of Student Affairs

7.4. Official stamp or seal:

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8. INFORMATION ON THE NATIONAL 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.

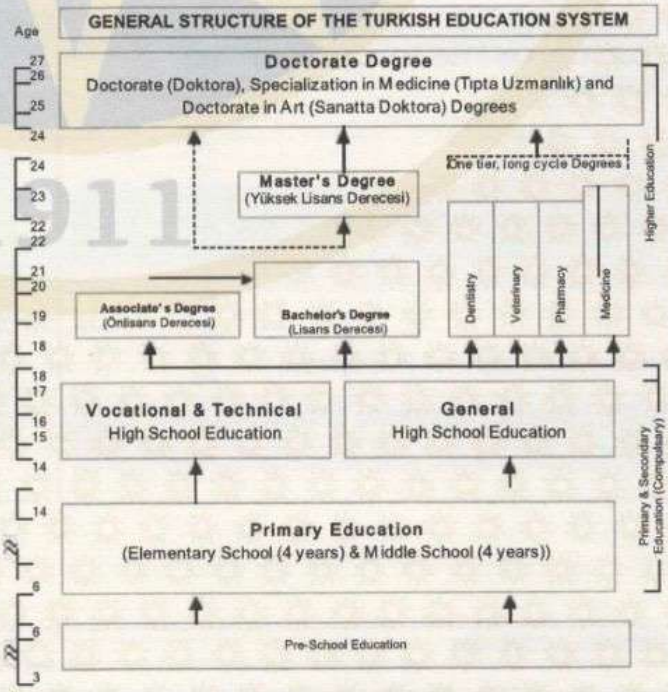
Since 2003, first cycle degree holders may apply directly to third cycle (doctorate) programmes if their performance at the first cycle degree level is exceptionally high and their national central Graduate Education Entrance Examination (ALES) score is also high and their application is approved. For 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 **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.

TYYÇ LEVELS, QUALIFICATIONS TYPES AND ECTS CREDITS

Higher Education Levels/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

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM



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