

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

The basic structure of the Turkish National Education system consists of four main stages as pre-school education, primary education, secondary education and higher education.

Pre-school education consists of non-compulsory programs whereas primary education is a compulsory 8 year program for all children beginning from the age of 6. The secondary education system includes "General High Schools" and "Vocational and Technical High Schools".

Higher education is defined as all post-secondary programs with a duration of at least two years. The system consists of universities (state and foundation) and non-university institutions of higher education (police and military academies and colleges). Each university consists of faculties and four-year schools offering bachelor's level programs, the latter with a vocational emphasis, and two year vocational higher schools offering pre-bachelor's (associate's) level programs of a strictly vocational nature.

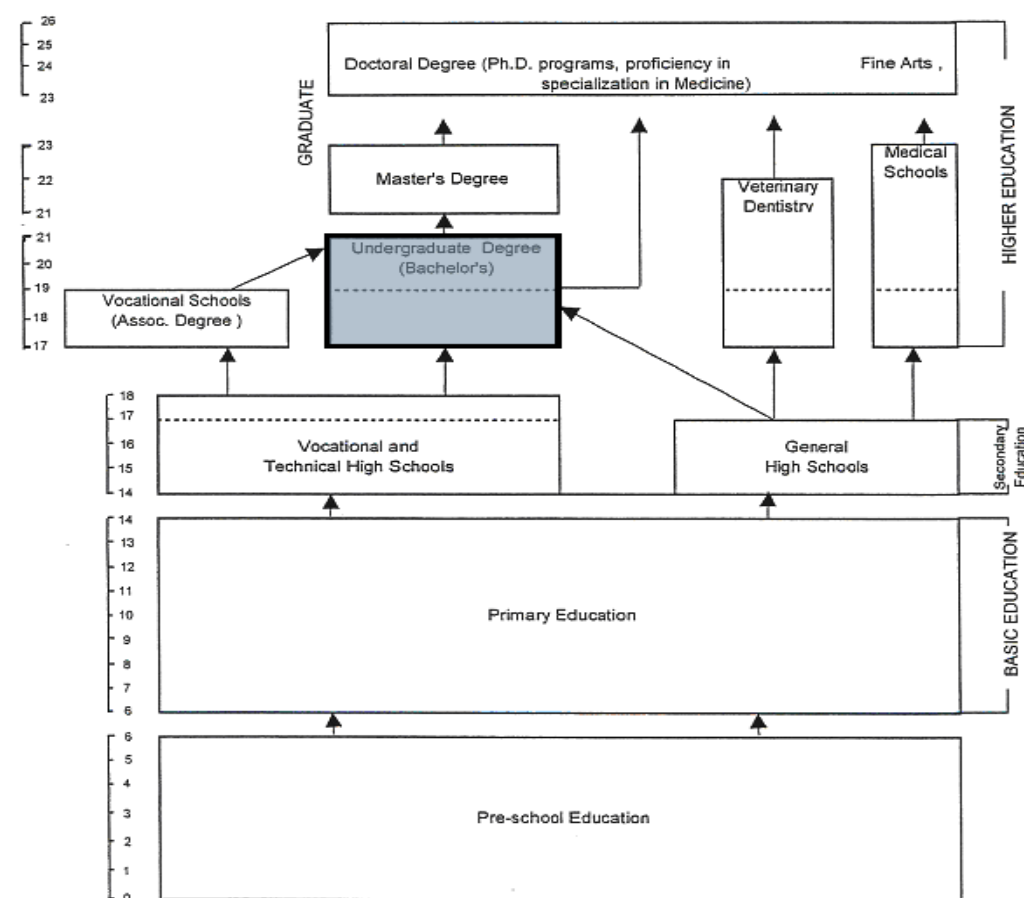
The Higher Education Law No. 2547, is the main law, which governs the higher education in Turkey. All universities (both state and foundation) are subject the same law and regulations/rules. All state and foundation universities are founded by law.

Admission to higher education is based on a nation-wide Student Selection Examination (ÖSS). The examination is held once a year and is administered by the Student 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.

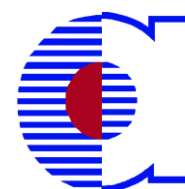
Graduate-levels of study consist of the Master's Degree (Yüksek Lisans Diploması) and the Doctoral Degree (Doktora Diploması). There are two types of Master's programs : with and without thesis. The Master's programmes with a thesis consist of a minimum of seven courses, one seminar course, and thesis. The duration of the Master's programmes with a thesis is two years. Non-thesis Master's programmes consist of a minimum of 10 courses and a semester project. The duration of four years which consists of completion of courses, passing a doctoral qualifying examination, and preparing and defending a doctoral dissertation. Medical specialization programs are equivalent to doctoral level programmes and carried out within the faculties of medical schools with hospitals.

The Higher Education System is regulated by the Council of Higher Education (Yüksek Öğretim Kurulu-YÖK). Established in 1981, the Council regulates the activities of higher education institutions with respect to research, governing, planning and organization.

General Structure of the Turkish Education System



NB: Since 2003, the Undergraduate's Degree holders, whose performance at Bachelor's Level is exceptionally high, can enlist directly to the Doctoral Degree Programs.



ATILIM UNIVERSITY Diploma Supplement

Diploma No :
Diploma Date :

Atılım University
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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 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.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

- 1.1 Family name(s) :
1.2 Given name(s) :
1.3 Place and date of birth :
1.4 Student identification number :

2. INFORMATION IDENTIFYING THE QUALIFICATION

- 2.1 Name of the qualification :
Mechatronics Engineering, MS.
Mekatronik Mühendisliği, Yüksek Lisans
- 2.2 Main field(s) of study for the qualification :
Mechatronics Engineering
- 2.3 Name and status of awarding institution :
Atılım University ; **Foundation; Public Legal Entity, Non-profit, State-recognised**
Atılım Üniversitesi ; **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 :
Graduate Programme (Second Cycle Degree Programme)
- 3.2 Official length of program :
Normally 2 years, maximum 3 years, 2 semesters per year, 16 weeks per semester
- 3.3 Access requirement(s) :
Admission to the programme requires a recognised engineering diploma, passing grades in deficiency courses if required, an acceptable score from any graduate record examination, Certificate of English Proficiency Exam held by Atılım University or equivalent score as recognised by the Atılım University Senate.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1 Mode of study :
Full-time
- 4.2 Program requirements :
For the Second cycle (Master's Degree) program without thesis, a student is required to take a minimum of 10 courses with credit (at least 75 ECTS) and a graduation project (15 ECTS). The student must have a minimum CGPA of 3.00/4.00 with no failing grades and must prepare and defend a graduation project.
- 4.3 Objectives:
The aims of the program are to educate and train students with B. Sc. Degree of differing educational backgrounds at a truly interdisciplinary and multidisciplinary engineering platform for further education and research; and to provide a medium to disseminate the recent advances in mechatronics engineering and related emerging technologies to lead the industry and research community.

Key program outcomes

- Mastering modeling, analysis and simulation of mechatronic systems in detail, both at system and components levels.
- Being able to identify a latent/open technological problem or need, propose methods to satisfy within mechatronics technology, communicate other engineering disciplines if further expertise is required.
- Mastering to initiate a design project, lead a multidisciplinary design team and implement a design product on site using the latest available technology on the topic.
- Having fundamental skills and educated talents for effective engineering communication, experience on research and design methodology.
- Mastering hands-on projects at all levels; fundamental, academic and industrial research.

4.4 Program details and the individual grade/marks obtained :

Curriculum for M.Sc. Degree without thesis

FIRST SEMESTER

Code	Course Name	Course Category	ECTS
MATH XXX	"Offered by the Dept. Math."	Restricted Elective (*)	7.5
MECE 501	Applied Numerical Methods	Required	7.5
MECE 521	Control Engineering I	Required	7.5
EC1	Elective I	Elective	7.5
TOTAL			30

SECOND SEMESTER

Code	Course Name	Course Category	ECTS
MECE 522	Control Engineering II	Required	7.5
EC2	Elective II	Elective	7.5
EC3	Elective III	Elective	7.5
EC4	Elective IV	Elective	7.5
TOTAL			30

THIRD SEMESTER

Code	Course Name	Course Category	ECTS
EC5	Elective V	Elective	7.5
EC6	Elective VI	Elective	7.5
MECE 500-1	Graduation Project I	Required	15
TOTAL			30

(*) One of the MATH XXX courses offered by the Department of Mathematics.

Elective courses may be selected from one of the following course groups;

- 1- Graduates courses (MECE 5XX) offered by the department of mechatronics engineering.
- 2- At least four of the seven courses must be graduate courses offered by the department of mechatronics engineering (MECE 5XX).
- 3- PhD courses (MODES 6XX) offered by the MODES PhD Programme.
- 4- Maximum two undergraduate courses (MECE 4XX) after the approval of the programme chair. Undergraduate courses should be accompanied by "MECE 580 Special studies I" and "MECE 581 Special Studies II" courses to extend undergraduate courses to graduate levels and meanwhile to correct credit deficiency.

Options of the programme;

Mobile & Bio-Robotics, Industrial Automation & Robotics, Mechatronics Systems & Control, Mechatronic Design & Manufacturing.

Elective courses must satisfy the requirements of the programme options announced every academic year.

4.4 GRADING SCHEME AND GRADES :

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	Other Grades
90-100	AA	4.0	I- Incomplete
85-89	BA	3.5	S- Satisfactory
80-84	BB	3.0	U- Unsatisfactory
75-79	CB	2.5	P- Satisfactory Progress
70-74	CC	2.0	NI- Not Included
65-69	DC	1.5	NA- Not Attended
60-64	DD	1.0	
50-59	FD	0.5	
49 and below	FF	0.0	

A 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 him/her from completing the necessary course work. The application of the student to the Department with all his/her evidence must be done within 3 days of the final examination of that course.

In such a case, the student must complete the missing work and obtain a grade within 15 days of the day of submitting the grades to Registrar's Office. Otherwise, the (I) grade will automatically become an (FF). In the case of prolonged illness and similar situations, this period can be extended until the beginning of the registration of the next semester upon the recommendation of the Department.

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 (T) reflects approved courses transferred from other universities.

The grade (W) is issued if a student withdraws from a course within the first 10 weeks of the semester on the recommendation of his/her adviser and with the permission of the instructor concerned.

Grade Point Averages: The student's standing is calculated in the form of a GPA and CGPA, 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.

4.5 OVERALL CLASSIFICATION OF THE AWARD

Honors	3.00 – 3.49
High Honors	3.50 – 4.00

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study :
May apply to PhD programs.

5.2 Professional status conferred :
This degree enables the graduate to practice the profession

6. ADDITIONAL INFORMATION

6.1 Additional information :
Atılım University, Graduate School of Applied and Natural Sciences, Mechatronics Engineering Department website:

<http://mechatronics.atilim.edu.tr>

6.2 Further information sources :

- University web site : <http://www.atilim.edu.tr>
- Atılım University Catalogue for Undergraduate and Graduate Programs (published annually accessible from
- The Council of Higher Education web site : <http://www.yok.gov.tr>
- The Turkish ENIC-NARIC web site : <http://www.enic-naric.net/members.asp?country=Turkey>

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date :

7.2 Signature :

7.3 Capacity :

7.4 Official stamp or seal :