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BURDUR MEHMET AKIF ERSOY UNIVERSITY

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Diploma Supplement

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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.

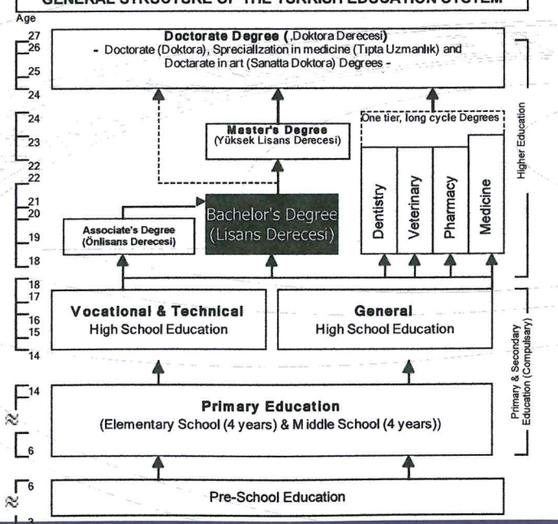
Admission of national students to short and first cycle degree programmes is centralized and based on a nationwide one/two-stage examination(s) conducted by an autonomous public body (Assessment, Selection and Placement Centre-ÖSYM). Candidates gain access to institutions of higher education based on 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.

TYYÇ 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

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM



Diploma Number :

Diploma Date :

Diploma Supplement Number :

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 qualification (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 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 (day/month/year)

1.4. Student identification number or code (if available)

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1. Name of qualification (if applicable) : Enerji Sistemleri Mühendisliği, Lisans
2.2. Main field(s) of study for the qualification : Energy Systems Engineering, First Cycle
2.3. Name and status of awarding institution
Burdur Mehmet Akif Ersoy Üniversitesi, Devlet Üniver
Burdur Mehmet Akif Ersoy University, State University
2.4. Name and status of institution administering studies : Same as 2.3
2.5. Language(s) of instruction/examination : Turkish

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,(240 ECTS Credits)
3.3. Access requirement(s)
- High School Diploma
- Placement through a centralized national university placement examination

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1. Mode of Study : Full-time
4.2. Programme requirements :

Key Programme Qualification / Key Learning Outcomes of the Programme:
Upon successful completion of the programme, the student;
1 -
2 -
3 -
4 -
5 -
6 -

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

1st. Year 1st. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15113	Basic Computer Knowledge	Compulsory	2	2	CC
15111	Introduction To The Energy Systems Engineering	Compulsory	2	2	CC
15160	Ataturk'S Principles and Revolution History I	Compulsory	2	2	BB
15180	Foreign Language I (English)	Compulsory	2	2	BB
15170	Turkish Language I	Compulsory	2	2	CB
15103	Physics I	Compulsory	5	6	BB
15101	Mathematics I	Compulsory	4	5	BA
15105	Physics Laboratory I	Compulsory	1	3	CB
15109	Chemistry Laboratory I	Compulsory	1	2	CB
15107	Chemistry I	Compulsory	3	4	BB
	Total		24	30	

1st. Year 2nd. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15114	Computer Programming I	Compulsory	3	2	AA
15112	Technical Drawing	Compulsory	3	2	AA
15260	Ataturk'S Principles and Revolution History II	Compulsory	2	2	CC
15280	Foreign Language II (English)	Compulsory	2	2	CB
15270	Turkish Language II	Compulsory	2	2	CB
15104	Physics II	Compulsory	5	6	BA
15102	Mathematics I	Compulsory	4	5	BB
15106	Physics Laboratory II	Compulsory	1	3	CC
15110	Chemistry Laboratory II	Compulsory	1	2	CC
15108	Chemistry II	Compulsory	3	4	AA
	Total		26	30	

2nd. Year 1st. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15211	Computer Programming II	Compulsory	3	3	CC
15209	Electronic Lab. I	Compulsory	1	2	AA
15707	Energy Economics and Policy	Elective	3	4	CC
15503	Techniques Of Research and Writing A Report	Elective	2	4	AA
15203	Mechanics For Engineer I	Compulsory	3	4	AA
15201	Mathematics For Engineer I	Compulsory	2	4	AA
15207	Electronic I	Compulsory	3	5	BB
15205	Thermodynamics	Compulsory	3	4	BB
	Total		20	30	

2nd. Year 2nd. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15212	Renewable Eneregy Sources	Compulsory	3	3	CB
15210	Electronic Lab. II	Compulsory	1	2	BA
17502	Occupational Health and Safety	Elective	2	4	BA
15702	Material Science	Elective	3	4	CB
15204	Mechanics For Engineer II	Compulsory	3	4	AA
15202	Mathematics For Engineer II	Compulsory	2	4	BA
15208	Electronic II	Compulsory	3	5	CC
15206	Heat and Mass Transfer	Compulsory	3	4	BA
	Total		20	30	

3rd. Year 1st. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15307	Electrical Machines and Applications	Compulsory	4	6	CC
15805	Numerical Methods İn Engineering I	Elective	3	4	BB
15857	Operational Amplifiers	Elective	3	4	CB
15301	Fluid Mechanics I	Compulsory	4	6	CC
15303	Solar Energy and Applications	Compulsory	4	8	CC
15305	Energy Systems Laboratory I	Compulsory	2	2	BB
	Total		20	30	

3rd. Year 2nd. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15308	Exergy	Compulsory	3	6	BA
15602	Total Quality Management	Elective	2	4	CB
15802	Numerical Methods İn Engineering II	Elective	3	4	AA
15302	Fluid Mechanics II	Compulsory	4	6	BA
15304	Wind Energy and Applications	Compulsory	4	8	AA
15306	Energy Systems Laboratory II	Compulsory	2	2	BB
	Total		18	30	

4th. Year 1st. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15917	Solar Energy Heat Systems	Elective	3	4	DC
15913	Power Electronics	Elective	3	4	CC
18401	Professional Experience	Compulsory	0	5	G
15923	Entrepreneurship I	Elective	2	4	BB
15403	Semiconductor Consumables Technology	Compulsory	4	3	BB
15401	Energy Systems Project I	Compulsory	4	4	AA
15407	Design and Modeling In Energy Systems	Compulsory	3	3	CB
15405	Electrical Energy Transmission and Distribution	Compulsory	3	3	BA
	Total		22	30	

4th. Year 2nd. Semester

Course Code	Course Title	Course Category	National Credits	ECTS Credits	Grade
15918	Wind Energy Meteorology	Elective	3	4	BB
15910	High Voltage Technique	Elective	3	4	AA
15920	Entrepreneurship II	Elective	3	4	BA
15404	Nuclear Energy and Technologies	Compulsory	3	4	BB
15402	Energy Systems Project II	Compulsory	4	7	AA
15408	Energy Storage Systems	Compulsory	3	4	BA
15406	Nanomalzemeler and Nanotechnology	Compulsory	4	3	AA
	Total		23	30	

Total ECTS Credits : 240 **Total National Credits :** 173 **CGPA :** 3,06/4.00

4.4. Grading scheme and grade distribution guidance:

Definition	MAKU Grade Equivalents	Grade Points	Equivalents on 100 Scale
EXCELLENT-outstanding performance with only minor errors	AA	4.00	90 - 100
VERY GOOD-above the average standard but with some errors	BA	3.50	85 - 89
GOOD-generally sound work with a number of notable errors	BB	3.00	80 - 84
SATISFACTORY-fair	CB	2.50	75 - 79
SATISFACTORY-fair but with significant shortcomings	CC	2.00	70 - 74
SUFFICIENT-performance meets the minimum criteria	DC	1.50	65 - 69
SUFFICIENT-performance meets the minimum criteria but with significant shortcomings	DD	1.00	60 - 64

- 59 and below is given to a student who fails the course.
- CGPA : Cumulative Grade Point Average
- M: Exempt

4.5. Overall classification of the qualification(in original language):

- Ağırlıklı Not Ortalaması 4.00 üzerinden 3.06 (Çok İyi)
- Cumulative Grade Point Average 3.06 out of the 4.00 (Very Good)

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1. Access to further study:

- May apply to second and/or third cycle programmes.

5.2. Professional status (if applicable):

- The degree enables the holder to exercise the profession.

6. ADDITIONAL INFORMATION

6.1. Additional information:

- Burdur Mehmet Akif Ersoy University School of Higher Education web page: http://mmf.mehmetakif.edu.tr/

6.2. Further information sources:

- Burdur Mehmet Akif Ersoy University web page: http://www.mehmetakif.edu.tr/en
- Online catalogue for degree programmes at Burdur Mehmet Akif Ersoy University: http://ects.mehmetakif.edu.tr/en
- Online information for Diploma Supplement at Burdur Mehmet Akif Ersoy University:
- http://ects.mehmetakif.edu.tr/en/index.php?page=ds
- The Council of Higher Education web page: http://www.yok.gov.tr/english/index_en.htm
- The Turkish ENIC-NARIC web page: http://www.enic-naric.net/turkey.aspx
- EUA web page: http://www.eua.be

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date : 09.02.2021

7.2 Name and Signature :

7.3 Capacity : Director of Student Affairs at Burdur Mehmet Akif Ersoy University

7.4 Official stamp or seal :