

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 programmes whereas primary education is a compulsory 8 year programme 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 programmes with a duration of at least two years. The system consists of universities (state and non-profit foundation) and other types of higher education institutions (police and military academies and foundation vocational schools). Each university consists of faculties and schools offering First Cycle (Bachelor's level) programmes (240 ECTS), two year vocational higher schools offering Short Cycle (Associate's level) programmes (120 ECTS) of a strictly vocational nature and also graduate schools administering graduate programmes.

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

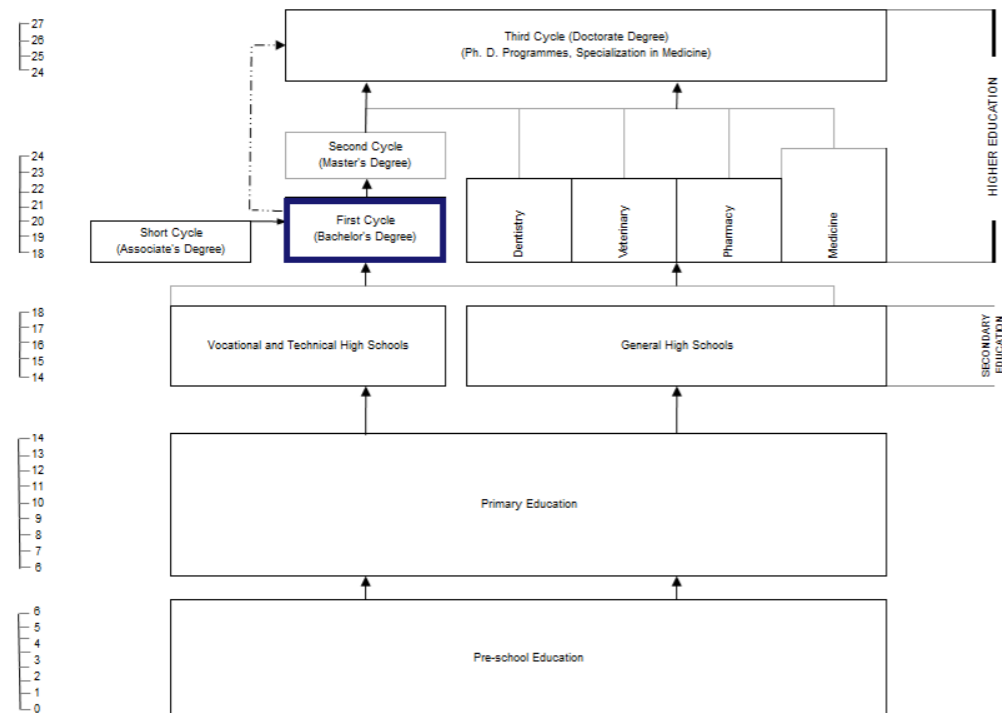
Admission to higher education is based on a nation-wide Student Selection Examinations (ÖSS). The examination is held once a year and is administered by the Student Selection and Placement Center (ÖSYM), which is affiliated to the Council of Higher Education. Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages.

Graduate level of study consists of the Second Cycle (Master's Degree) and the Third Cycle (PhD/Doctorate Degree) programmes. There are two types of Master's programmes: with or without a thesis. The Master's programmes with a thesis have 120 ECTS and consist of a minimum of seven courses, with a minimum of 21 national credits, one seminar course, and a thesis. The seminar course and thesis are non-credit and graded on a pass/fail basis. The duration of the Master's programmes with a thesis is four semesters. Non-thesis Master's programmes have 90 ECTS and consist of a minimum of 10 courses with a minimum of 30 national credits and a non-credit semester project. The semester project is graded on a pass/fail basis. Duration of the non-thesis Master's programmes is three semesters. PhD programmes have 240 ECTS and duration of eight semesters which consists of completion of a minimum of seven courses, with a minimum of 21 national credits, passing a qualifying examination, preparing and defending a doctoral dissertation. Specialization in Medicine accepted as equivalent to third cycle programmes are carried out within the faculties of medicine, university hospitals and the training hospitals owned by the Ministry of Health.

Since 2003, a change in the 1996 Regulations on Graduate Education allows Bachelor's degree holders to PhD programmes if their performance at the Bachelor's degree level is exceptionally high and their application is approved. For these students, the theoretical part of the PhD programmes consists of a minimum of 14 courses, with a minimum of 42 national credits.

* The national credit system is based on contact hours (i.e. theoretical or practical hours per week). 1.0 credit stands for each hour of lecture a week and 0.5 credit stands for each hour of laboratory or practical a week.

GENERAL STRUCTURE OF THE TURKISH EDUCATION SYSTEM



NB: ... Since 2003, the Bachelor's degree holders whose performance at Bachelor's level is exceptionally high can enlist directly to the Doctoral level programmes



DUZCE UNIVERSITY DIPLOMA SUPPLEMENT

Diploma No :

Diploma Date : 09.10.2024

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 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 identification number or code

2. INFORMATION IDENTIFYING THE QUALIFICATION

- | | |
|---|---|
| 2.1. Name of the qualification (in original language) | Bilgisayar Mühendisliği, Lisans |
| 2.2. Main field(s) of study for qualifications | Computer Engineering |
| 2.3. Name and status of awarding institution | Düzce Üniversitesi - Devlet Üniversitesi
Duzce 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, 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

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

- 4.1. Mode of study
Full-Time
 - 4.2. Programme requirements
Students must have a Cumulative Grade Points Average (Cum. GPA) of not less than 2.00/4.00 and have completed the courses with at least a letter grade of DD in the program in order to graduate
- Objectives
- Successful career in national/international companies, public sector and academia in computer engineering and related fields,
 - Being able to take part in entrepreneurial activities in interdisciplinary studies by taking part in professional life as a leader and also as a cohesive team member,
 - Being open to continuous development, able to integrate with the whole world, successfully completing postgraduate education or vocational training programs,
 - To train engineers who enable them to use hardware and software related to their profession effectively.... For more information, visit <https://ebs.duzce.edu.tr/en-US/>.

Our goal as Department of Computer Engineering is to be a department that will renew itself continuously and tirelessly for training computer engineers 1- who will renew themselves continuously, 2- who will solve the engineering problems in the society and industry permanently, 3- who will follow and adapt the developments in the national and international level quickly.

4.3. Program details and the Individual grade/marks obtained :

Code	Course Name	Course Category	National Credit	Grade	ECTS Credit
Semester 1					
AIB101	Ataturk's Principles And History of Turkish Revolution I	Lesson	2.0	AA	2.0
BM101	Algorithms And Programming I	Lesson	3.0	CB	5.0
BM103	Introduction To Computer Engineering	Lesson	2.0	CB	2.0
BM105	Information Technologies	Lesson	3.0	CB	4.0
BM107	Electrical Circuit Fundamentals	Lesson	3.0	CC	4.0
FIZ101	Physics I	Lesson	3.0	BB	4.0
ING101	English I	Lesson	2.0	BA	2.0
MAT101	Mathematics I	Lesson	4.0	BB	5.0
TDB121	Turkish Language I	Lesson	2.0	BA	2.0
Semester 2					
AIB102	Atatürk's Principles and History of Turkish Revolution II	Lesson	2.0	AA	2.0
BM102	Algorithms And Programming II	Lesson	3.0	DD	5.0
BM104	Web Technologies	Lesson	3.0	CC	5.0
BM106	Probability And Statistics	Lesson	3.0	AA	4.0
FIZ102	Physics II	Lesson	3.0	AA	5.0
ING102	English II	Elective Group	2.0	AA	2.0
MAT102	Mathematics II	Lesson	4.0	BB	5.0
TDB122	Turkish Language II	Lesson	2.0	AA	2.0
Semester 3					
BM203	Electronics	Lesson	4.0	CB	5.0
BM205	Object Oriented Programming	Lesson	4.0	CC	6.0
BM209	Numerical Analysis	Lesson	3.0	CB	4.0
BM211	Differential Equations	Lesson	4.0	DC	5.0
BM213	Linear Algebra	Lesson	3.0	CC	3.0
BM215	Discrete Mathematical Structures	Lesson	3.0	DC	4.0
US209	Communication Techniques	Elective Group	2.0	CB	3.0
Semester 4					
BM204	Computer Organization	Lesson	3.0	BB	5.0
BM206	Digital Electronics	Lesson	4.0	BB	5.0
BM208	Object Oriented Analysis And Design	Lesson	3.0	DC	4.0
BM210	The Principles Of Programming Languages	Lesson	3.0	DC	4.0
BM212	Professional English	Lesson	3.0	DD	4.0
BM214	Data Structures	Lesson	3.0	BA	5.0
US213	Business Administration	Elective Group	2.0	CB	3.0
Semester 5					
BM301	Formal Languages And Abstract Machines	Lesson	3.0	CC	5.0
BM303	Signals And Systems	Lesson	3.0	CB	4.0
BM305	Operating Systems	Lesson	3.0	CC	5.0
BM307	Computer Networks I	Lesson	3.0	DD	5.0
BM309	Database Management Systems	Lesson	4.0	CC	6.0
BM399	Summer Practice I	Lesson	0.0	YT	2.0
MS321	Recent Developments in Information Technologies	Elective Group	2.0	BA	3.0
Semester 6					
BM302	Computer Networks II	Lesson	4.0	DC	6.0
BM304	Microprocessors	Lesson	4.0	CC	6.0
BM306	System Programming	Lesson	2.0	CC	5.0
BM308	Web Programming	Lesson	4.0	BB	6.0
BM310	Software Engineering	Lesson	3.0	DD	4.0
MS307	Management for Engineers	Elective Group	2.0	CB	3.0
Semester 7					
BM401	Computer Engineering Project Design	Lesson	2.0	BB	3.0
BM442	visual programming	Elective Group	3.0	BB	5.0
BM455	Introduction to fuzzy logic	Elective Group	3.0	BA	5.0
BM471	Embedded System Applications	Elective Group	3.0	AA	5.0
BM478	Introduction to Data Science with Python	Elective Group	3.0	CC	5.0
BM496	Knowledge Engineering and Introduction to Big Data	Elective Group	3.0	DC	5.0
BM499	Summer Practice II	Lesson	0.0	YT	2.0
Semester 8					
BM424	Compiler Design	Elective Group	3.0	CB	5.0
BM437	Artificial Intelligence	Elective Group	3.0	BB	5.0
BM480	Deep Learning	Elective Group	3.0	BA	5.0
BM483	Introduction to Natural Language Processing	Elective Group	3.0	CB	5.0
BM494	Wireless Communication	Elective Group	3.0	CC	5.0
BM498	Graduation Thesis	Lesson	2.0	AA	5.0
			National Total Credits:	161.0	Total Ects Credits: 240.0

Cumulative Grade Point Average(CGPA) : **2.92 out of 4.00**

The courses marked as (*) are received under Erasmus Program Context.

The courses marked as (**) are received under Farabi Program Context.

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 lecturer. The letter grades, grade points and percentage equivalents are given below:

Percentage	89.50 100.00	84.50 89.49	79.50 84.49	69.50 79.49	59.50 69.49	54.50 59.49	49.50 54.49	39.50 49.49	0.00 39.49	
Local Course Grades	AA	BA	BB	CB	CC	DC	DD	FD	FF	EKS
Grade Points	4	3.5	3.25	3	2.5	2.25	2	1.5	0	0
ECTS Grades										

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

Genel Not Ortalaması: 2.92
Cumulative Grade Point Average: 2.92
Final Grade of Degree Relative RANK: 4 of 4

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 :

This degree enables the holder to exercise the profession.

6. ADDITIONAL INFORMATION

6.1. Additional information :

6.2. Further information sources :

University Web Site: <http://www.eng.duzce.edu.tr/>
Online University Catalogue: http://bbs.duzce.edu.tr/Amac_Hedef.aspx?bno=14&bot=15
Office of International Affairs: <http://www.disiliskiler.duzce.edu.tr/index.asp>
The Council of Higher Education Web Site: <http://www.yok.gov.tr/en/>
The Turkish ENIC-NARIC Web Site: <http://www.enic-naric.net/index.aspx?c=Turkey>

7. CERTIFICATION OF THE SUPPLEMENT

7.1. Date **09.10.2024**
7.2. Name and Signature
7.3. Capacity **Acting Director of Student Affairs at Düzce University**
7.4. Official stamp or seal