



# Celal Bayar Üniversitesi Diploma Supplement

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Diploma No :  
Diploma Date : x/xx/xxxx

The Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of 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-judgments, 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:  
**Food Engineering, Bachelor of Science**
- 2.2. Main field(s) of study for qualification:  
**Food Engineering**
- 2.3. Name and status of awarding institution:  
Celal Bayar University : **State University**  
Celal Bayar Üniversitesi : **Devlet Üniversitesi**
- 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 program:

**4 years , 2 semesters per year, 16 weeks per semester**

3.3. Access requirement(s):

**High School Diploma,**

**Placement through a nation-wide Student Selection and Placement Examinations (YGS and LYS)**

### 4. INFORMATION ON THE CONTENTS AND RESULT GAINED

4.1. Mode of study:

***Full-time***

4.2. Program requirements:

Requirements

**The Bachelor's Degree is awarded to students who have successfully completed all courses in the curriculum, including a 50 day-industrial training period, and have obtained a cumulative grade point average of at least 50 on a 100 scale.**

Objectives

**• To train students, who will play an active role in the processing, storage, product development of food using fundamental engineering background.**

4.3. Program details and the individual grade/marks/credits obtained:

<b>Code</b>	<b>Course Name</b>	<b>ECTS Credits</b>	<b>Course Category</b>	<b>National Credits</b>
<b>Semester 1</b>				
GMD 101	MATHEMATICS I	5	Required	4
GMD 103	PHYSICS I	5	Required	4
GMD 105	GENERAL CHEMISTRY	4	Required	4
GMD 107	TECHNICAL DRAWING	5	Required	3
GMD 109	INTRODUCTION TO COMPUTER SCIENCE	4	Required	3
AİT 121	PRINCIPLES OF ATATURK I	2	Required	2
YAB 141	FOREIGN LANGUAGE (ENGLISH I)	4	Required	4
BEG 151	PHYSICAL EDUCATION I/FINE ARTS I	1	Elective	1

Code	Course Name	ECTS Credits	Course Category	National Credits
<b>Semester 2</b>				
GMD 102	MATHEMATICS II	5	Required	4
GMD 104	PHYSICS II	6	Required	4
GMD 106	ORGANIC CHEMISTRY	4	Required	3
GMD 108	FUNDAMENTALS OF COMPUTER SCIENCE	6	Required	3
GMD 110	INTRODUCTION TO FOOD ENGINEERING	2	Required	1
YAB 142	FOREIGN LANGUAGE (ENGLISH II)	4	Required	4
AİT 122	PRINCIPLES OF ATATURK II	2	Required	2
BEG 152	PHYSICAL EDUCATION II/FINE ARTS II	1	Elective	1
<b>Semester 3</b>				
GMD 201	MATHEMATICS III (DIFFERENTIAL EQUATIONS)	5	Required	4
GMD 203	ENGINEERING MECHANICS	5	Required	3
GMD 205	FOOD BIOCHEMISTRY	3	Required	2
GMD 207	GENERAL ECONOMICS	2	Required	2
GMD 209	ANALYTICAL CHEMISTRY	6	Required	3
GMD 211	MATERIAL AND ENERGY BALANCES	6	Required	3
GMD 213	PERSONAL COMMUNICATION	1	Required	1
TUR 231	TURKISH LANGUAGE AND LITERATURE	2	Required	2
<b>Semester 4</b>				
GMD 202	STATISTICS	5	Required	3
GMD 204	FLUID MECHANICS	5	Required	3
GMD 206	GENERAL MICROBIOLOGY	5	Required	3
GMD 208	FOOD CHEMISTRY I	5	Required	3
GMD 210	THERMODYNAMICS	5	Required	3
GMD 212	PHYSICAL CHEMISTRY	3	Required	2
TUR 232	TURKISH LANGUAGE AND LITERATURE	2	Required	2
<b>Semester 5</b>				
GMD 301	UNIT OPERATIONS IN FOOD ENGINEERING I	5	Required	3
GMD 303	FOOD MICROBIOLOGY	6	Required	4
GMD 305	HEAT TRANSFER	5	Required	3
GMD 307	FOOD CHEMISTRY II	5	Required	3
GMD 309	INSTRUMENTAL FOOD ANALYSIS	5	Required	3
GMD 311	TECHNICAL FOREIGN LANGUAGE I	4	Required	2
<b>Semester 6</b>				
GMD 302	UNIT OPERATIONS IN FOOD ENGINEERING II	5	Required	3
GMD 304	MASS TRANSFER	4	Required	3
GMD 306	CEREAL TECHNOLOGY	5	Required	3
GMD 308	MEAT TECHNOLOGY	5	Required	3
GMD 310	PLANT ORGANIZATION AND MANAGEMENT	2	Required	2
GMD 312	FOOD ADDITIVES AND TOXICOLOGY	3	Required	2
GMD 314	NUTRITION	2	Required	2
GMD 316	TECHNICAL FOREIGN LANGUAGE II	4	Required	2

Code	Course Name	ECTS Credits	Course Category	National Credits
<b>Semester 7</b>				
GMD 401	RESEARCH PROJECT (ANNUAL)	6	Required	4
GMD 403	SEMINAR	3	Required	2
GMD 405	FOOD QUALITY CONTROL	4	Required	3
GMD 407	PROCESS CONTROL	3	Required	3
GMD 409	DAIRY TECHNOLOGY	5	Required	3
GMD 411	OIL TECHNOLOGY	5	Required	3
GMD 413	FOOD HYGIENE AND SANITATION	3	Required	2
GMD 415	FOOD LEGISLATION	1	Required	1
<b>Semester 8</b>				
GMD 401	RESEARCH PROJECT (ANNUAL)	6	Required	4
GMD 402	FOOD ENGINEERING DESIGN AND ECONOMICS	6	Required	3
GMD 404	BIOTECHNOLOGY	5	Required	3
GMD 406	FRUIT AND VEGETABLE PROCESSING	5	Required	3
GMD 408	FOOD PACKAGING	3	Required	2
GMD 410	FOOD MARKETING	1	Required	1
GMD 412	OCCUPATIONAL HEALTH AND SAFETY	1	Required	1
GMD 414	UNIT OPERATIONS LABORATORY	5	Required	1.5

Total ECTS **240** Total Credits: **XXX**  
CGPA

#### 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
86-100	A	4.00
66-85	B	3.00
50-65	C	2.00
49 and below	F	0.00

Other Grades: I : Incomplete, S: Satisfactory Completion, P: Satisfactory Progress, U: Unsatisfactory, EX: Exempt, NI: Not Included, W: Withdrawn, NA: Not Attended.

A grade of (I) is given to a student who provides supporting evidence through genuine and valid documentation of illness or other reason which has prevented her/him from completing the necessary course work. In such a case, within 15 days from the day of submitting the grades to the Registrar's Office, the student must complete the missing work and obtain a grade. Otherwise, the (I) grade will automatically become an (F).

The grade (S) is given to the students who are successful in non-credit courses, and (U) to those who are unsuccessful in such courses, (S) can also be given to courses accepted as equivalents in transfers from other universities.

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

The grade (EX) is given to students who are found successful in the examination for exemption conducted by the department concerned for courses determined by the University Senate. The (EX) grade is not included in computing the grade point average (GPA) 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 on the “condition that they are not included in the Cumulative Grade Point Average (CGPA)”.

The grade (NA) is given if a student does not fulfill the attendance and/or application requirements of the course. The grade (NA) is included in the CGPA as (F).

The grade (W) is given if a student withdraws from a course after the add/drop period within the first 10 weeks after the semester starts, with the recommendation of her/his advisor and 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 qualification

### 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:

**School of Applied Sciences web site:** <http://www.bayar.edu.tr/~ubyo/>

#### 6. 2. Further information sources:

- University web site: [www.bayar.edu.tr](http://www.bayar.edu.tr)
- The Council of Higher Education web site: [www.yok.gov.tr](http://www.yok.gov.tr)

## **7. CERTIFICATION OF THE SUPPLEMENT**

7.1. Date:

7.2. Signature:

7.3. Capacity: Dean

7.4. Official stamp or seal:

## **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 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 programmes, the latter with a vocational emphasis, and two-year vocational higher schools offering short cycle (Associate's) level programmes of a strictly vocational nature.

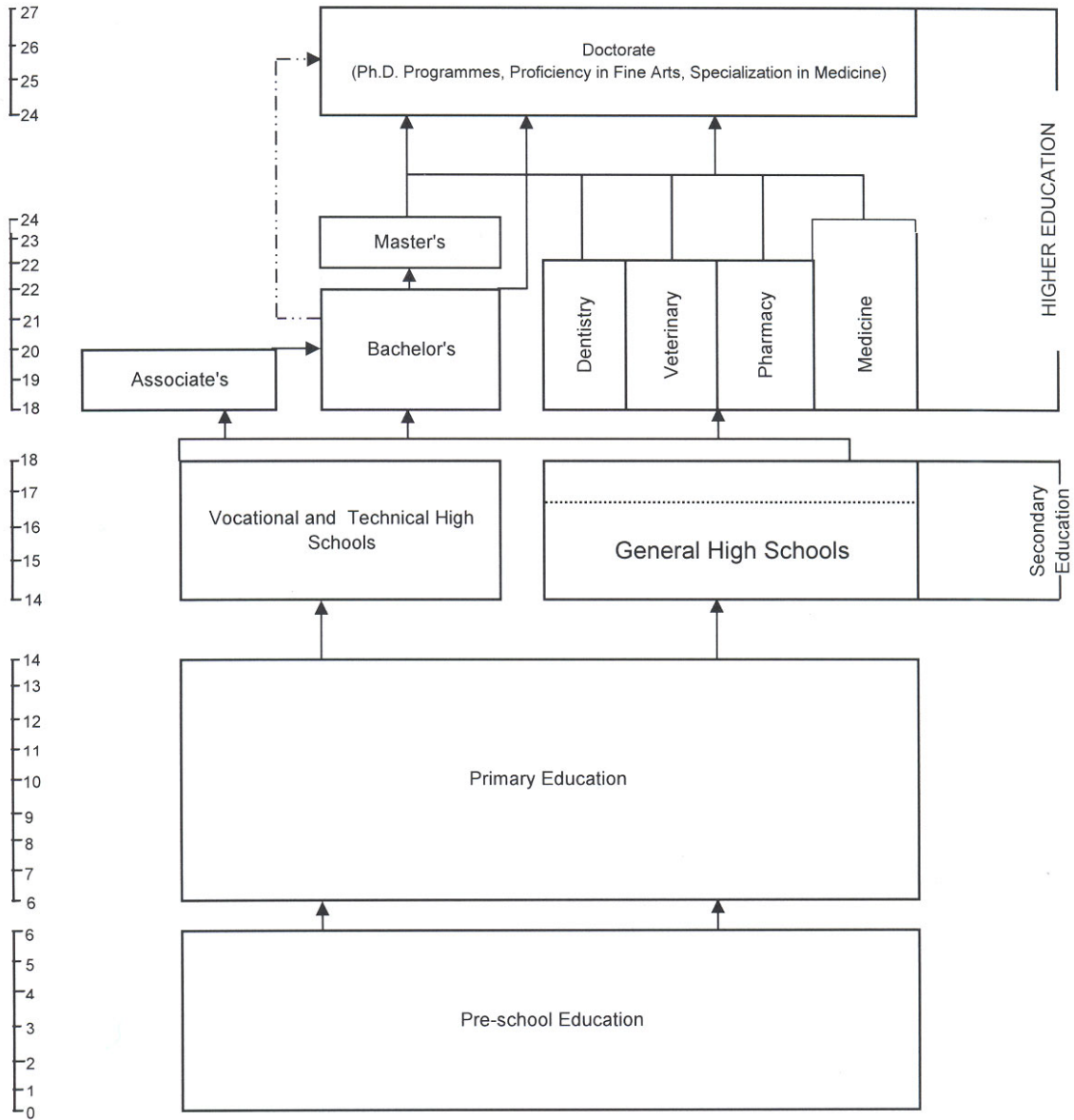
The Higher Education Law No. 2547 is the main law, which governs the higher education in Turkey. All universities (both state and foundation) are subject the same law and regulations/rules. All state and foundation universities are founded by Law.

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 level of study consists of the Master's Degree (Yüksek Lisans Diploması) and the Doctoral Degree (Doktora Diploması). There are two types of Master's programmes: with and without a 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 the non-thesis Master's programmes is one and half years. Doctoral programmes have a 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 Bachelor's degree holders whose performance at Bachelor's level is exceptionally high can enlist directly to the Doctoral level programmes.