



# DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, the Council of Europe and UNESCO/CEPES. The Diploma Supplement provides independent data in order to improve the international transparency and fair academic and professional recognition of qualifications. It describes 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 is 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):

## 3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:

1<sup>st</sup> cycle degree

3.2 Official length of programme:

3 years, 2 semesters for each year, 14 weeks per semester—180 ECTS

3.3 Access requirements:

General admission requirements for a bachelor programme: Psychometrics test & matriculation certificate/pre-academic preparatory program/previous academic studies. In addition, candidates will need to complete a questionnaire and undergo a series of personal interviews.

## 2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred (in original language):

בוגר למדעי הרפואה

Bachelor of Medical Sciences (B.Med.Sc.)

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

Biomedical Sciences

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

האוניברסיטה העברית בירושלים

The Hebrew University of Jerusalem, State University

2.4 Name and status of institution (if different from 2.3) administering studies (in original language):

Same as 2.3

2.5 Language (s) of instruction/examination:

Hebrew

## 4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:

Full-time

4.2 Programme requirements:

This programme is aimed to prepare students of dental medicine to the clinical D.M.D degree studies. In addition the programme is aimed at training researchers in the field of biomedical sciences. Therefore, the bachelor training is aimed at allowing the students to develop a critical scientific attitude which they can use to interpret and value the domain specific findings .

The learning outcomes of the B.Med.Sc degree are:

- The graduate will be competent in chemistry, biology and physics to understand the processes within the human being and the techniques of scientific research.
- The graduate will be able to display a sufficient knowledge and insight concerning the construction, development and the normal function of human cells, tissues and the human body as a whole.
- The graduate will be able to display a sufficient knowledge of the factors in the environment and



the human way of life that threaten the human organism and of the defense-mechanism of diseases.

- The graduate will be able to critically read scientific input and summarize new findings, the ability to search for relevant literature to approach a well-defined biomedical problem and formulate relevant research questions.
- The graduate will be able to display a basic knowledge of the principles and applications of a wide range of laboratory techniques.
- The graduate will be able to display a basic theoretical and practical knowledge in different fields of dentistry.

4.3 Programme details: (e.g. modules or units studied), and the individual grades/marks/credits obtained: (if this information is available on an official transcript this should be used here)

\*HU = Hebrew University (Hebrew University credits = contact hours/week)

#### 1<sup>st</sup> year Bachelor of Medical Sciences modules

Module Code	Title	HU credits	ECTS	Grade
D1-69118	ORGANIC CHEMISTRY FOR MEDICINE & DENTISTRY STUDENTS	6	9	
D1-69132	GENERAL CHEMISTRY FOR MEDICINE & DENTISTRY STUDENTS	5	5	
D1-75100	HUMAN BIOLOGY (CELLUL. DEVELOP. & GENETICS)	3	3	
D1-75110	STRUCTURE & FUNCTION OF BIOMOLECULES	3	3	
D1-75126	PRACTICAL IMAGING	1	1	
D1-77112	ELECTRICITY, WAVES AND OPTICS - FOR MEDICINE & DENTISTRY STUDENTS	4	4	
D1-77188	MECHANICS FOR MEDICINE & DENTISTRY STUDENTS	4	4	
D1-80126	BASIC CALCULUS	2	2	
D1-97311	INTRODUCTION TO ORAL AND DENTAL HEALTH	1	1	
D1-97313	INTRODUCTION TO RESEARCH IN DENTAL MEDICINE	2	2	
D1-97316	STATISTICS	4	4	
D1-97317	INTRODUCTION TO PSYCHOLOGY	2	2	
D1-97615	DENTAL MORPHOLOGY	5	9	
D1-97942	INTRODUCTION TO MANUAL DEXTERITY IN DENTISTRY	3	7	
D1-97943	IMMUNOLOGY	4	4	
Total credits		49	60	

#### 2<sup>nd</sup> year Bachelor of Medical Sciences modules

Module Code	Title	HU credits	ECTS	Grade
D2-75108	HISTOLOGY A	4	5	
D2-75112	BIOCHEMISTRY - GENE STRUCTURE & EXPRESSION	3.5	3.5	
D2-75122	HUMAN GROWTH AND DEVELOPMENT	2	2	
D2-75202	HISTOLOGY B	3.5	5	
D2-75205	CELLULAR PHYSIOLOGY	9.5	9.5	
D2-75211	HUMAN NEUROANATOMY & NEUROBIOLOGY	5	7	
D2-75212	HUMAN EMBRIOLOGY	3	3	
D2-75213	HUMAN ANATOMY FOR DMD STUDENTS	9.5	13	
D2-75214	BIOCHEMISTRY: BIOENERGETICS AND METABOLISM	5	5	
D2-75216	METABOLIC AND PATHOLOGIC BIOCHEMISTRY	4	4	
D2-97312	INTRODUCTION TO CLINICAL DENTISTRY A	1	1	
D2-97315	INTRODUCTION TO CLINICAL DENTISTRY B	2	2	
Total credits		52	60	

#### 3<sup>rd</sup> year Bachelor of Medical Sciences modules

Module Code	Module	HU credits	ECTS	Grade
D3-75206	MEDICAL PHYSIOLOGY B	7.5	7.5	
D3-75305	CLINICAL TERATOLOGY	1	1	
D3-75309	MEDICAL MICROBIOLOGY FOR DMD STUDENTS	5.5	5.5	
D3-96634	GENERAL PATHOLOGY	3	3	
D3-97606	ORAL PHYSIOLOGY	2	2	
D3-97607	ORAL ECOLOGY	4	4	
D3-97608	ORAL BIOLOGY	4	4	
D3-97609	BONE	3	3	
D3-97630	ORAL AND SYSTEMIC PATHOLOGY	5	5	
D3-97631	PHARMACOLOGY	7	7	
D3-97632	B.Med.SC SEMINAR	2	2	
D3-97718	DENTAL MATERIALS	4	4	
D3-97729	CARIES	3.5	2.5	
D3-97934	ORAL BIOCHEMISTRY	2	2	
D3-97983	TISSUE ENGINEERING OF THE CRANIOFACIAL COMPLEX	4	3.5	
D3-97983	HUMAN GENETICS	4	4	
Total credits		61.5	60	

Exam results are generally graded on a scale of 100. However in some cases the student may receive a code 'P' to indicate that he/she has passed a course for which there is no numerical grading.



4.4 Grading scheme and, if available, grade distribution guidance:

Students are evaluated on a scale of 0 to 100 (exceptionally "pass/fail") for each course. Every student who obtains at least 65 out of 100 (or pass) for a course passes that course.

Grading scheme:

Excellent	95 - 100
Very good	85 - 94
Good	75 - 84
Fairly good	65-74
fail	0 - 64

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

Final grade (weighted average of 3 years):

classification	Best/next	Minimum threshold score
Summa cum laude	2%	90
Magna cum laude	18%	85

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

- Doctor of Dental Medicine (D.M.D.)
- M.Sc., Ph.D. and other equivalent programmes.

5.2 Professional status (if applicable):

Not applicable

## 6. ADDITIONAL INFORMATION

6.1 Additional information:

Special prizes if applicable

6.2 Further information sources:

- Web site of the Hebrew University of Jerusalem: [www.huji.ac.il](http://www.huji.ac.il)
- Web site of the School of Dental Medicine: <http://dental.huji.ac.il>

## 7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date:

7.2 Name & Signature:

7.3 Capacity:

7.4 Official stamp or seal:



## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

### Higher Education in Israel

The higher education system in Israel comprises universities; non-university institutions of higher education; regional colleges that offer academic courses under the auspices and academic responsibility of the universities; and non-academic post secondary schools. All of these institutions are characterized by complete freedom in academic affairs.

### University Studies

In Israel, most students begin their studies aged 20-24, later than in other countries due to compulsory military service. Students include those who have passed a series of matriculation exams as well as those who do not hold a matriculation certificate but have completed a pre-academic preparatory programme.

All the universities in Israel (except for the Open University and the Weizmann Institute) grant bachelors, masters and doctoral degrees. Post-doctoral fellowships are available, mostly in the physical and biological sciences; they are granted both to Israelis and persons from abroad.

Some universities offer special programs lasting one year and/or one semester for students from abroad who wish to study in Israel. These programs, built around a core of courses bearing academic credit, are designed for students enrolled in degree programs at universities abroad. Programs offer a broad academic experience in the sciences and the humanities, with emphasis on studying the Hebrew language, through an intensive course, as well as special classes in Jewish, Israeli and Middle Eastern studies.

Jewish students from abroad who wish to study in Israel may avail themselves of the services of the Student Authority, which functions within the framework of the Ministry of Immigrant Absorption. This organization aims to encourage Jewish youth to study in Israel and to foster the academic and social integration of immigrant students in Israel. Services offered include help in registering at universities, preparation for academic studies, guidance, financial assistance and more.

### University Research

Universities in Israel, as around the world, have a dual purpose: research and teaching. Most basic research in the natural sciences, social sciences and humanities is carried out at the country's universities, which maintain a high level of research in a wide variety of fields, while reaching excellence in select areas. Some fields of interest reflect the country's unique situation, as the Jewish state reborn after 2,000 years, and are typified by research institutes in Jewish and Middle East studies; others reflect the presence in the country of outstanding scientists in a particular sphere of research.

### Non-University Institutions of Higher Education

Regional colleges, for which the universities hold academic responsibility, provide additional opportunities for students who live in areas distant from the country's universities, which, except for the Technion and Haifa and Ben-Gurion Universities, are located in the center of the country. Undergraduate studies may be begun at one of these colleges and completed there or at the associated university's main campus.

Other institutions of higher education, all of which grant only undergraduate degrees, focused until recently on specific areas of study. Teacher training colleges prepare the next generations educators, granting a B.Ed.; they focus on teaching for different groups and in different fields of education. The Bezalel Academy of Arts and Design and the Ruben Academy of Music and Dance teach graphic design, fine arts, music, dance and more to the country's future artists and artisans. Technology, management, agriculture, textile technology, hotel management, agriculture and more are taught in other academies around the country. Paramedical professions are taught at nursing colleges associated with hospitals or with universities as well as at non-academic schools for radiology technicians, dental hygienists, etc. Some of these colleges are public institutions, like the country's universities; others are under the auspices of the relevant government ministries; still others are privately owned. Recently, colleges such as the Tel Aviv-Jaffa College, which grants undergraduate degrees in a wide range of subjects, have begun to operate. Students at these institutions receive bachelor's degrees and may proceed with graduate studies at the country's universities.

Another type of non-university higher education is available at post-secondary institutions which offer non-academic programs of study, in technology, practical engineering, administration, and more.

Plans for the future include expanding Israel's network of non-university higher education, by continuing the establishment of additional colleges, to meet the challenges of the coming century.



Diagram of Higher Education Levels in Israel

