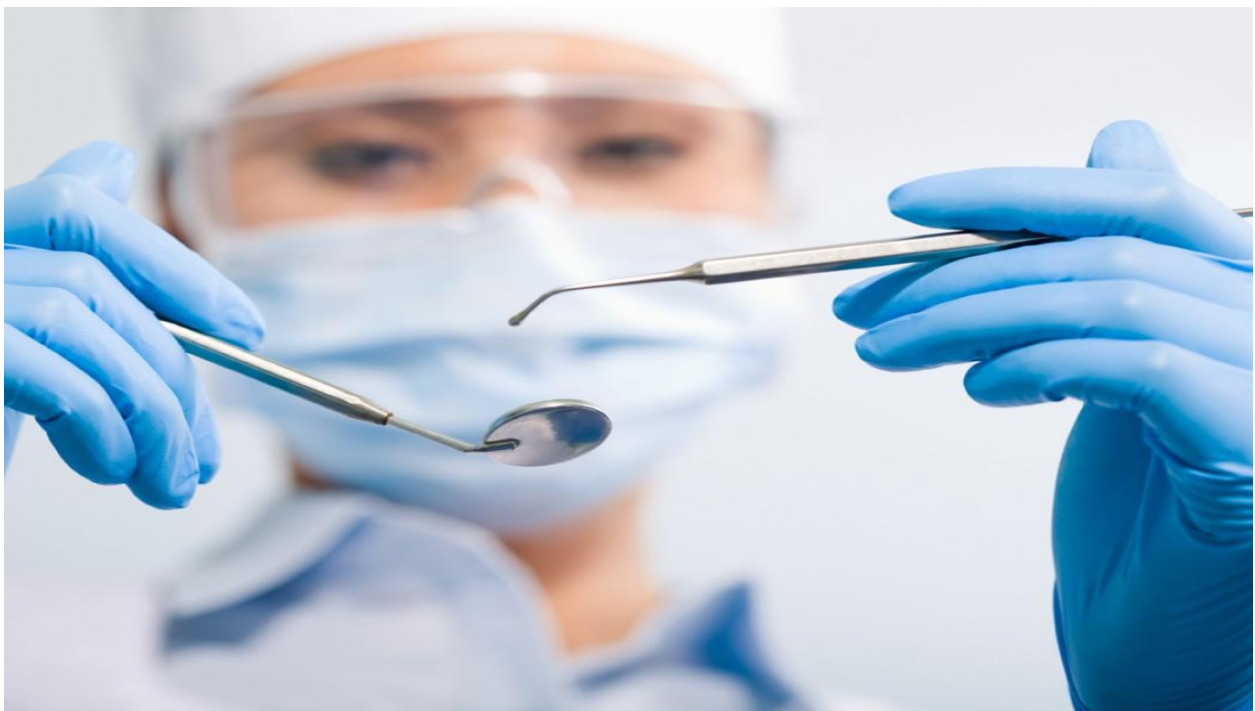




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**International Campus  
Handbook of BDS Program  
Sept. 2019 entries**

## In the Name of God

### Degree: **Bachelor of Dental Sciences (B.D.S.)**

#### **Introduction**

Dentistry program (Bachelor degree) as approximately 5.0-5.5 years' program is one of the high educational courses, being considered as a part of Dentistry education plan. The objectives of this program are training and teaching dental and oral specialists, having strong scientific bases for performing future researches in dentistry field, in addition to enjoying from educational-treating efficiency).

Also, they must cover qualitative and quantitative lack of needed human force, throughout the country; final Objectives of considered plan are as follows:

- A) Establishing an oral health care/education system in coordination with general health (medical) care system;
- B) Supplying preventive-treatment services dentistry services, being just and common, for all people of country. It is performed by qualitative and quantitative developing a desired servicing- educational system in field of health and treatment.

#### **Basic Sciences**

In-2 years, **Basic Sciences** Courses cover the natural structure of the body at the molecular and cellular level (biochemistry, histology and anatomy) of development (embryology) and function (physiology) that all are presented in the form of integrated blocks. In addition to these, different subjects (microbiology, parasitology, mycology, virology, immunology, and pathology) are also provided for the students along with general courses.

At the end of basic science, **comprehensive exam** will be held.

#### **pre-Clinical and Clinical phase**

In this part (3 – 4 years), students learn specialized lessons at university (class and clinical parts). Also, they pass this course in clinical parts of the faculty and related hospitals in city and centers of province healthcare services for the objectives of enjoying from more educational- treating efficiency.

## Goals of the B.D.S Education Program

After completing the educational program for the B.D.S degree, our graduates will demonstrate:

- To prepare highly qualified dental hygiene healthcare professionals.
- Application of their knowledge and skills to the practice of dentistry, including formulating an appropriate problem list, a set of competing hypotheses, and a diagnostic and therapeutic plan;
- Progress in the development of self-directed life-long learning skills, including the recognition of personal educational needs, selection of appropriate learning resources and evaluation of progress;
- Professionalism through a commitment to professional responsibility, ethical principles, reflective practice, and self-improvement;
- Communication skills, including effective and humane interactions with patients, colleagues, health care personnel, and members of the community;
- Ability to function as a collaborative member of the healthcare team;
- incorporation of pedagogy that fosters problem solving and critical thinking skills as a basic feature of the curriculum
- flexibility to allow for enrichment, adaptability to learning styles, and developing alternate careers
- recognition of the role of technology in the educational process and access to information for the efficient and effective practice of dentistry
- continuous evaluation by appropriate outcome data to ensure quality and continuous improvement

## **Mission**

The primary mission of Tehran University of Sciences, School of dentistry is to provide access to high quality, publicly-funded dental education to regions in order to develop dentists who will make a personal commitment to serving the needs of rural and underserved communities through outreach programs that are especially attentive to minority and underserved populations.

Students learn about the upstream factors that affect the health outcomes, such as personal behaviors, health care quality and access, social, cultural and economic factors, and the built and natural environment

The educational mission of TUMS is to graduate dentist with the ability and desire to improve the health of all populations by alleviating suffering and eliminating healthcare disparities through their leadership in patient care, research, education, health care administration and the community.

**General Competencies** It is essential for Dentistry students to have good written and oral communication skills. Students must be able to communicate effectively with patients, physicians and with other members of the health care team. The final applicant pool may be interviewed.

**The Terms and Conditions of Admission to the Course** All applicants must apply electronically on our website [www.gsia.ac.ir](http://www.gsia.ac.ir). After an application is submitted, the applicant will receive a confirmation e-mail and an application code from the Office of Admissions indicating successful submissions of the application.

If any part of the application is incomplete, our admission coordinator will request the missing information and mark the application incomplete until the requested information is submitted. The completed application form is reviewed in the preliminary review council (PRC).

Once the initial preliminary review council (PRC) has made a decision, the application will be sent to the School and the related department, for an Admission Review.

If you have requested or applied for a scholarship, your application is also forwarded to the Scholarship Committee.

**Student Assessment** Students should take part in the end of term exams for each module separately. Some lectures may decide to take an additional exam in the mid-term. The pass criteria for most exams are 50% of the total mark. However, if the average mark for all exams taken in each term is less than 12 out of 20, the student's admission to the next term would be conditional in which a reduced number of modules (up to 14.0 credits) could be taken. Repetitive conditional admission may result in student being expelled from the Dentistry program.

## **Ethical issues**

The graduates should,

- Observe the Patient's Bill of Rights<sup>1</sup> when working with the patients.
- Strictly observe Biosafety and Patient Safety Rules\* concerning the patients, personnel and workplace.
- Observe the Rulebook for Dress Code<sup>2</sup>.
- Strictly observe the Regulations of Working with the Laboratory Animals<sup>3</sup>.
- Carefully preserve resources and equipment.
- Truly respect faculty members, the staff, classmates and other students and work for creating an intimate and respectful atmosphere.
- Observe social and professional ethical considerations in criticism.

1, 2 and 3 are contained in the Enclosures.

\* Biosafety and Patient Safety Rules will be set out by the Educational Departments and will be available to the students.

## Number and Type of Credits and Tables of the Courses

**Total Number of Credits (Obligatory):** 175 (for International Students)

**Basic Medical Sciences Phase:** 71 (for International Students)

**Clinical Medicine phase:** 104

**Elective course:** 9

Row	Subject	Number of credits			Total credits
		Credit (theory)	Credit (practical) Clerks hip Internship)	prerequisite	
1	<i>Anatomical Sciences I</i>	3	1		4
2	<i>Biochemistry I</i>	2			2
3	<i>Biochemistry practical</i>		1		1
4	<i>Biochemistry II</i>	2			2
5	<i>*Application of computer in dentistry</i>	1			1
6	<i>Devine ethics</i>	2			2
7	<i>Introduction to Religion I</i>	2			2
8	<i>General English Language</i>	3			3
9	<i>Anatomical Sciences II</i>	2	1	<i>Anatomical Sciences I</i>	3
10	<i>Parasitology &amp; Medical Mycology</i>	1			1
11	<i>Medical Physics</i>	1			1
12	<i>Oral Health &amp; Community Dentistry</i>	1.5	0.5		2
13	<i>Family Planning</i>	2			2
14	<i>Psychology</i>	2			2
15	<i>Persian Language</i>	3			3
16	<i>*Medical Terminology I</i>	1		<i>General English Language</i>	1
17	<i>Physical Training I</i>		1		1
18	<i>Introduction to Religion II</i>	2		<i>Introduction to Religion I</i>	2
19	<i>Anatomical Sciences III</i>	1	1	<i>Anatomical Sciences II</i>	2
20	<i>Physiology I</i>	2		<i>Biochemistry</i>	2
21	<i>Physiology II</i>	3		<i>Physiology I</i>	3
22	<i>Physiology practical</i>		1		1
23	<i>Immunology</i>	2.5	0.5	<i>Physiology</i>	3
24	<i>Virology</i>	1			1
25	<i>Microbiology</i>	3	1		4
26	<i>Medical Genetic</i>	2			2
27	<i>Divine texts</i>	2			2
28	<i>Pathology</i>	2.5	0.5		3
29	<i>*Dental &amp; Maxillofacial Radiology I</i>	1			1
30	<i>*Tooth structure in health &amp; disease</i>	2			2
31	<i>*Dental Anatomy and Morphology</i>	0.5	2.5		3

32	<i>*Advanced Terminology II</i>	1			1
33	<i>*Nutrition in Oral Health</i>	1		<i>* Passing score is 12.00 out of 20.00</i>	1
34	<i>Iran Revolution</i>	2			2
35	<i>Physical Training II</i>		1	<i>Physical Training I</i>	1
36	<i>Life Skills 1</i>	1			1
37	<i>Life Skills 2</i>	1			1
38	<i>Pharmacology</i>	2			2
39	<i>Oral &amp; Maxillofacial (OMF) Surgery 1</i>	1			1
40	<i>Fundamentals of Restorative Dentistry</i>	1	2		3
41	<i>Restorative Dentistry 1</i>	1			1
42	<i>Oral &amp; Maxillofacial Pathology practical 1</i>		1		1
43	<i>Restorative Dentistry 2</i>	1			1
44	<i>Medical Emergencies in dentistry</i>	0.5	0.5		1
45	<i>Clinical Communication Skills</i>		1		1
46	<i>Fundamentals of Dental Materials</i>	1			1
47	<i>Infection control in dentistry</i>		1		1
48	<i>Diagnostic Dentistry 1</i>	0.5	0.5		1
49	<b><i>Fundamentals of Complete Removable Denture</i></b>		2		2
50	<i>Oral &amp; Maxillofacial Surgery practical 1</i>		1		1
51	<i>Oral &amp; Maxillofacial Surgery practical 2</i>		1		1
52	<i>Restorative Dentistry practical 1</i>		1		1
53	<i>Oral &amp; Maxillofacial Pathology practical 2</i>		1		1
54	<i>Pulp and periapical complex</i>	1			1
55	<i>Fundamentals of Endodontics 1</i>	0.5	1.5		2
56	<i>Diagnostic Dentistry 2</i>	1			1
57	<i>Oral &amp; Maxillofacial (OMF) Surgery 2</i>	1			1
58	<i>Systemic Diseases 1</i>	1			1
59	<b><i>Oral &amp; Maxillofacial Radiology 2</i></b>	1			1
60	<b><i>Oral &amp; Maxillofacial Radiology practical 2</i></b>		1		1
61	<b><i>Fundamental of Complete Removable Denture 1</i></b>	1			1
62	<b><i>Complete Removable Denture practical 1</i></b>		2		2
63	<b><i>Oral &amp; Maxillofacial Radiology practical 3</i></b>		1		1
64	<i>Oral &amp; Maxillofacial Diseases practical 1</i>		2		2
65	<i>Diagnostic Dentistry 3</i>	2			2
66	<i>Specialized English Terminology 3</i>	1			1
67	<i>Specialized English Terminology 4</i>	1			1
68	<b><i>Fundamentals of Partial Removable Denture</i></b>		2		2
69	<b><i>Fundamental of Partial Removable Denture</i></b>	1			1
70	<i>Partial Removable Denture practical 1</i>		2		2
71	<i>Partial Removable Denture practical 2</i>		2		2
72	<i>Orthodontics 1</i>	1			1
73	<i>Periodontics 1</i>	1			1

74	<i>Dental Equipments &amp; Ergonomy</i>		1		1
75	<i>Fundamentals of Fixed Prosthesis</i>	1	3		4
76	<i>Endodontics 1</i>	1			1
77	<i>Oral &amp; Maxillofacial Surgery practical 3</i>		2		2
78	<b>Fixed Dental Prosthesis practical 1</b>		2		2
79	<i>Fundamentals of Endodontics 2</i>	0.5	1.5		2
80	<i>Restorative Dentistry practical 2</i>		2		2
81	<i>Orthodontics practical 1</i>		1		1
82	<i>Periodontics practical 1</i>		1		1
83	<i>Oral Health &amp; Social Dentistry 1</i>	1			1
84	<i>Diagnostic Dentistry 4</i>	2			2
85	<i>Orthodontics 2</i>	1			1
86	<i>Medical Ethics, Professionalism &amp; Law</i>		1		1
87	<i>Advanced Dental Prosthesis 1</i>	1			1
88	<i>Endodontics practical 1</i>		2		2
89	<i>Pediatric Dentistry practical 1</i>		2		2
90	<i>Restorative Dentistry practical 3</i>		1		1
91	<b>Complete Removable Denture practical 2</b>		2		2
92	<i>Fixed Dental Prosthesis practical 2</i>		2		2
93	<i>Oral Health &amp; Social Dentistry practical 1</i>		1		1
94	<i>Oral &amp; Maxillofacial Diseases practical 2</i>		1		1
95	<i>Endodontics 2</i>	1			1
96	<i>Orthodontics practical 2</i>		1		1
97	<i>Periodontics practical 2</i>		1		1
98	<i>Orthodontics 3</i>	1			1
99	<i>Periodontics 2</i>	1			1
100	<i>Pediatric Dentistry 1</i>	1			1
101	<i>Diagnostic Dentistry 5</i>	1			1
102	<i>Periodontics 3</i>	1			1
103	<i>Orthodontics practical 3</i>		1		1
104	<i>Periodontics practical 3</i>		1		1
105	<i>Pediatric Dentistry practical 2</i>		2		2
106	<i>Pediatric Dentistry 2</i>	1			1
107	<i>Oral Health &amp; Social Dentistry 2</i>	1			1
108	<i>Systemic Diseases 2</i>	1			1
109	<i>Endodontics practical 2</i>		2		2
110	<i>Oral Health &amp; Social Dentistry practical 2</i>		1		1
111	<i>Advanced Dental Prosthesis 2</i>	1			1
112	<i>Endodontics practical 3</i>		1		1
113	<b>Oral &amp; Maxillofacial Radiology practical 1</b>		1		1
114	<i>Prosthodontics Treatment of Edentulous Patients</i>	1			1
115	<i>Local Anesthesia</i>	0.5	0.5		1
116	<i>Pain and Applied pharmacology in Dentistry</i>	1			1

**Elective Credits:**

Row	Optional Subjects	Number of credits		
		Credit (theory)	Credit (practical)	prerequisite
			Clerkship	
1	<i>Research Methodology 1</i>		1	
2	<i>Research Methodology 2</i>		1	
3	<i>Thesis 1</i>		1	
4	<i>Thesis 2</i>		2	
5	<i>Thesis 3</i>		4	