

Academic Program Description
Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Quality Assurance and Academic Accreditation
Department

**Academic Programs
Madenat Alelem University
College of Dentistry**

2026–2025



Academic Program Description

University Name: Madenat Alelem University

College/Institute: College of Dentistry

Scientific Department: Department of Dentistry

Academic/Professional Program Name: Bachelor of Dentistry

Final Degree Name: Bachelor of Dentistry

Study System: Annual System

Date of Description Preparation: 9/2/2026

Date of Form Completion: 9/2/2026

Signature:

Name of the Head of Department: Assist.

Prof Dr. Fares Abdulkarim

Date::

Reviewed by the Quality Assurance and University Performance Division

Name of the Head of the Quality Assurance and University Performance Division:

Date

Signature

Approval of the Dean



1. Vision

The College of Dentistry at City of Science University seeks to promote oral and dental health as an essential part of overall physical and psychological well-being. Dental health is considered a cornerstone for ensuring the welfare of individuals and communities. The college aspires to be a gateway of knowledge in oral and dental health in the region, a leader in scientific research, and a hub for modern medical education based on learning outcomes that foster a stimulating environment for students and faculty to achieve creativity and academic excellence. It aims to play an active role in serving Iraqi society in general, and the Babylon community in particular, through the use of advanced research methods and scientific technologies. The college strives to prepare distinguished dentists capable of meeting societal needs, achieving academic excellence, and contributing effectively to the sustainable improvement of oral and dental health.

2. Program Mission

Our mission at the College of Dentistry is to prepare outstanding medical professionals capable of serving society by equipping students with advanced scientific knowledge and high-level professional skills in dentistry. We are committed to providing education and practical training within an integrated learning environment that supports excellence in delivering dental healthcare services with the highest scientific competence. We emphasize continuous scientific development and the application of modern methods in diagnosing and treating patients, thereby contributing to the advancement of oral health and ensuring the graduation of dentists with exceptional scientific and practical competence to serve society sustainably.

3. Program Objectives

- Train and graduate dentists with high levels of knowledge and clinical skills to provide the best therapeutic services.
- Meet the labor market demand for dentists.
- Enhance scientific work by organizing advanced seminars and workshops, and hosting international experts in dentistry.
- Graduate qualified dentists to deliver high-quality medical services that meet community needs, in cooperation with government institutions.
- Strengthen students' academic level and encourage scientific research by providing research opportunities and scholarships locally and abroad.
- Establish a specialized center for maxillofacial surgery to provide advanced surgical procedures for complex cases.
- Promote continuous collaboration with local and international academic and scientific institutions.
- Raise public health awareness and promote preventive measures to maintain oral and dental health.
- Support scientific research to find appropriate solutions to oral health problems in society.
- Launch postgraduate programs covering various dental specialties to ensure continuous development of medical staff.

4. Program Accreditation

Ministry of Higher Education and Scientific Research / Accreditation Councils of Iraqi Dental Colleges.

5. External Influences

Labor market – Field visits to various state institutions and dental care facilities.

6. Program Structure

Program Structure	Number of Courses	Credit Hours	Percentage	Notes
College Requirements	Basic	Basic		
College Requirements	1			
Department Requirements	9 for the first stage			
Summer Training	Fourth and Fifth Stage			
Other				



1. Faculty Members

Faculty Members

Number of Faculty Members		Special Requirements / Skills (if any)		Specialization		Academic Rank	Faculty Name
Lecturers	Staff			Specific Specialization	General Specialization		
	*			Arab Board in Internal Medicine	Bachelor of medicine and general surgery	Assistant Professor	Assist. Prof.Dr. Faris Abdulkarim
	*			Microbiology	Science of biology	Assistant lecturer	Assist.Lect. Baneen Mueen Abdul Ali
	*			Communications and Computer Engineering	Electrical and Electronic Engineering	Lecturer	Dr. Haider Wahab
	*			Political Systems and Public Policies	Political Science	Assistant Lecturer	Assist.Lect. Shahd Imad
	*			Teaching Methods	Bachelor of Arabic language	Assistant Lecturer	Noor Al Huda Turki
*				Polymer Chemistry	Chemistry Sciences	Lecturer	Lect. Dr. Ali Jalil
*				Remote Sensing and Image Processing	Physics Sciences	Lecturer	Lect. Dr. Ali Kadhim
*				Specialization in Conservative and Aesthetic Dentistry	Oral and Dental Medicine and Surgery	Assistant Lecturer	Assist. Lect. Murtadha Qadir
*				Arab Board in General Surgery	General and Internal Surgery	Doctor	Dr. Samer Sabah



Code Course	Course Name	Credit Hours	Units
UMDMB11	Medical Biology	Practical + 2Theory 2	6
UMDMP12	Medical Physics	Practical +2 Theory 2	6
UMDMC13	Medical Chemistry	Practical +2 Theory 2	6
UMDGA14	Human Anatomy	Practical + 2Theory 2	6
UMDC5S15	Science Computer	Practical +2 Theory 2	4
UMDAS16	Human Rights	Theory 2	2
UMHDR17	Medical Terminology	Theory 2	2
UMDMT18	English Language	Practical 1	2
UMDArL19	Arabic Language	Practical + 2Theory 2	4

Expected Learning Outcomes for the Program .2

Learning Outcomes	knowledge .A
Engaging in lifelong learning and striving to continually expand knowledge, maintain scientific and clinical competence, and integrate modern technology into the practice of dentistry and its diverse disciplines	Demonstrates a comprehensive understanding of core dental concepts and relevant biomedical sciences, which serve as the foundation for comprehending human growth, development, and overall health
	The student defines fundamental dental terminology, such as dental caries and gingivitis
	The student explains the core principles of evidence-based dentistry and their correlation with scientific research
	The student selects the optimal clinical instruments and materials for application in designated clinical scenarios
Educational Outcomes	B. Skills
The student demonstrates the proficiency to critically interpret and evaluate data to ascertain the accuracy and reliability of information derived from scholarly sources	The student executes local anesthetic protocols with precision, ensuring maximum patient safety and efficacy
	The student strictly adheres to established infection control protocols and sterilization standards within the clinical environment
	The student effectively manages mild post-extraction hemorrhage utilizing evidence-based clinical interventions
	The student systematically correlates clinical examination findings with radiographic data to formulate a precise diagnosis
the education result	C- Values
Promoting dental professional ethics and social responsibility	The student recognizes the rules and ethics governing the dentistry profession to be a role model in practicing the profession with high integrity and ethics, which reflects in all aspects of their professional life
	The student demonstrates mindfulness of the ethical guidelines established by professors or senior practitioners, encompassing confidentiality, informed consent, and equity in patient care



	The student actively engages in discussions regarding the significance of obtaining patient consent prior to initiating any therapeutic procedure	C3
	The student demonstrates profound respect for patient confidentiality and exhibits adaptability in handling diverse clinical cases and situations. They adhere to legal and ethical behaviors consistent with professional standards, while accommodating the unique needs of young children, adolescents, individuals with special needs, and the elderly	C4

3. Educational and Learning Approaches

- | | |
|--|--|
| <ul style="list-style-type: none"> • White board • Guidelines • Q&A sessions • Small group discussions • Case studies • Seminars • Oral examinations • Slide presentations | <ul style="list-style-type: none"> • discussions Lectures with • Projector • Seminars • PowerPoint presentations • Procedures • Laboratory skills • Reports • Practical effort |
|--|--|

4. Evaluation Methods

Daily, weekly, and monthly exams, as well as end-of-year examinations



1-Teaching and Learning Strategies

- Didactic lectures
- Interactive dialogue and academic discourse
- (Collaborative learning methodologies (utilizing group allocations
- Brainstorming sessions
- Reciprocal teaching techniques
- Dissemination of instructional materials via the college or departmental portal across all disciplines and faculty
- Integration of multimedia displays and audiovisual technologies
- Scholarly research and academic reports in English
- Composing sc
- Utilizing English as the primary medium for classroom discourse and active participation
- Executing empirical research and practical experiments aligned with Sustainable Development Goals (SDGs)

2-Assessment Methods

- -Regular and surprise quizzes to assess understanding
- -Evaluating research and its writing based on style, expression, and spelling
- -Asking questions to gauge listening skills and attention in the English language
- -Involving students in evaluating their peers' performance
- -Conducting practical evaluation exams focused on listening, speaking, and reading
- -Monthly and semester exams
- -Final theoretical examinations
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- This structure helps to enhance comprehension and engagement in the learning process.



Professional Advancement

Mentorship and induction of incoming faculty members

- Diversifying pedagogical approaches to classroom management and instructional delivery
- appointed faculty by the department head and senior faculty Implementing classroom observations for newly members
- Conducting structured interviews to assess faculty competence and pedagogical proficiency
- and actively ,impact international journals, authoring academic texts-Publishing scholarly research in high participating in professional workshops and conferences

Academic Staff Professional Advancement

- .Conducting periodic reviews of the academic program to identify and rectify deficiencies
 - .Department Head or Program Coordinator Annual assessment of each academic module by the
 - .Regular evaluations of the academic program conducted by faculty members
 - .Establishing an external departmental advisory board comprising student representatives and key stakeholders
 - .of teaching staff conducted by the Department Head Periodic performance evaluations
 - .Administering student evaluations of faculty performance via electronic surveys
 - .assessments-Conducting faculty self
 - .Evaluating specific academic phases through comprehensive electronic student surveys
 - Collaborating with college and university Quality Assurance divisions to monitor the execution of the academic .program within the department
7. Strategic Personal Development Planning" or "Individual Development Planning
1. .quality healthcare-determinants of health to mitigate disparities and inequities in accessing high Identifying social
 2. Awareness: Critically examining and reflecting upon personal knowledge, proficiencies, beliefs, biases, and -Self .and professional development emotional drivers that influence personal
 3. Professionalism: Exhibiting ethical behaviors and core values that uphold the trust bestowed upon the profession by .patients, interprofessional colleagues, and society at large
 4. foundational scientific knowledge (including dental, social, behavioral, Lifelong Learning: Synthesizing and applying administrative, and clinical sciences) to critically appraise scientific literature, elucidate pharmacological mechanisms, .centered care-health and patient resolve therapeutic challenges, and advance both population
 5. based prevention, intervention, and health education strategies tailored for individuals and -Formulating evidence .communities to manage chronic conditions and optimize health outcomes
 6. h education across diverse demographics by employing the most efficacious andFacilitating comprehensive health sustainably pedagogical methods to transfer knowledge and evaluate comprehension



8. Admission Standards and Requirements

1. admission, as established by the regulatory frameworks and Adherence to the general GPA requirements for central directives of the Ministry of Higher Education and Scientific Research
2. related, behavioral, or personal -Conducting personal interviews for applicants to evaluate and document any speech impairment

1. Primary Information Resources Regarding the Academic Programme

- Ministry of Higher Education and Scientific Research (MOHESR) / Committee of Deans of Iraqi Dental Faculties
- The institutional college website
- general references provided by the college across various foundational Comprehensive academic texts and department institution-and clinical medical disciplines (single)

2. Academic Program Improvement Strategy

Curriculum Appraisal and Evaluation: Establishing a specialised committee comprising faculty members, external consultants, and industry experts in contemporary dental technology.

Performing a comprehensive audit of existing curricula to assess content validity, alignment with international benchmarks, and responsiveness to regional and global market demands.

Interactive Instructional Strategies: Broad-scale implementation of Problem-Based Learning (PBL) to engage students in diverse clinical simulations and collaborative problem-solving, thereby fostering critical thinking and clinical proficiency.

Adopting blended learning modalities that synthesise traditional instruction with digital education, utilising e-learning platforms for instructional delivery.

Harnessing advanced technology and clinical simulation.

Third: Improving Infrastructure and Practical Training

- Updating and developing university clinics: Equipping clinics with advanced technology such as lasers, high-resolution digital imaging systems, surgical microscopes, and digital X-ray machines.
- Developing laboratories and research centers: Installing advanced laboratories for dental research and technology, enabling students and faculty to conduct research and development in specialised fields.

Fourth: Additional Goals of the Plan



1. Scientific Research Development: Encouraging faculty and students to conduct scientific research, publish in international journals, and participate in international conferences.
2. Innovation and Entrepreneurship: Supporting student initiatives in dental technical innovation and stimulating entrepreneurship through incubators and innovation centers within the university.



Curriculum Competency Mapping" or "Curriculum Matrix															
Required Program Learning Objectives															
Core Values				skills				values				Compulsory or Optional	Subject Name	Academic Unit Code	Academic Year Level /
C4	C3	C2	C1	B4	B3	B2	B1	A4	3A	2A	1A				
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Medical Biology	UMDMB11	First year
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Medical Physics	UMDMP12	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Medical Chemistry	UMDMC13	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Human Anatomy	UMDGA14	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Computer Science	UMDC5S15	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Human Rights	UMDAS16	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Medical Terminology	UMHDR17	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		English Language	UMDMT18	
☐	☐	√	√	√	√	√	☐	☐	√	√	√		Arabic Language	UMDArL19	

