

Teaching Institution: University of Baghdad**College: College of Dentistry****Program Title: Bachelor Degree of Oral and Dental Surgery****Program Length: 5 years****The program aims:**

The aim of this program is to produce a caring, knowledgeable, competent and skillful dentist who is able on graduation, to accept professional responsibility for the effective and safe care of patients, who appreciates the need for continuing professional development, who is able to adapt to and utilize advances in relevant knowledge and techniques and who understands the role of patients in decision making.

The program also aims to prepare and equip students with a range of professional skills required to work as part of a dental team and for independent practice.

Characteristics of Graduates:

On graduation from the College of Dentistry/ University of Baghdad, a dentist must be:

1-competent in a wide range of skills, including investigative, analytical, problem solving, planning, communication, and presentation skills and has to demonstrate a contemporary knowledge and understanding of the broader issues of dental practice.

2-competent to communicate effectively, interactively and reflectively with patients, their families, relatives and with other health professionals involved in their care, irrespective of age, social and cultural background.

3-competent to apply knowledge and understanding of the basic biological, medical, technical and clinical sciences in order to recognize the difference between normal and pathological conditions/disorders relevant to clinical dental practice.

4- competent at obtaining and recording a complete history of the patient's medical, oral and dental state. This will include biological, medical, psychological and social

information in order to evaluate the oral and dental condition in patients. In addition, the dentist will be competent at performing an appropriate physical examination; interpreting the findings and organizing further investigations when necessary in order to arrive at an appropriate diagnosis.

5- competent at formulating and recording a diagnosis and treatment plan which meets the needs and demands of patients. For treatments that are beyond their skills, a dentist should be competent to be able to refer on for an appropriate specialist opinion and/or treatment.

6- able to apply all kinds of treatment related to oral and dental health. (e.g. paediatric dentistry, endodontology, prosthodontics, periodontology, dental implantology, oral surgery, and orthodontics, preventive dentistry, conservative and esthetic dentistry).

7- competent at promoting and improving the oral health of individuals, families and groups in the community.

8- Dentist must seek continuing professional development allied to the process of continuing education on an annual basis, in order to ensure that high levels of clinical competence and evidence-based knowledge are maintained.

9-Dentist must Manage and maintain a safe working environment, working with other members of the dental team with regard to health and safety and clinical risk management.

10-Selecting and prioritizing treatment options that are sensitive to each patient's individual needs, goals and values, compatible with contemporary methods of treatment.

11- the dentist must Understand the complex interactions between oral health, nutrition, general health, drugs and diseases that can have an impact on oral health care and oral diseases.

Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

Upon completion of the program, the graduate should be able to:

A1- Recognition of the importance of biomedical sciences which form the basis for understanding human growth, development and health.

A2- Describe the basic concepts of human physiology and anatomy.

A3- Understanding the concepts of oral biology, including knowledge of the form and function of teeth and associated structures in health and disease.

A4- Explain the interrelationship between different systems of the human body.

A5- Understanding the etiology, pathophysiology, diagnosis, prevention and management of oral diseases.

A6- Awareness of Theoretical basis and knowledge of current developments in the practice of dentistry.

A7- Demonstrate principles of proper dental practice and management.

A8- Thorough knowledge of basic and advanced care and management skills in clinical dentistry.

A9- Know and understand the basic knowledge and application of the behavioral science and communication skills.

A10-point out the methods of preventing and management of medical emergencies.

A11- Understanding of the medico-legal and ethical considerations affecting the roles of dental and related health care personnel and their responsibilities in respect of health and safety legislation..

A12- Awareness of the oral health needs in the society.

A13- Understanding of the principles of scientific research and how to evaluate the scientific evidence in order to apply evidence-based dental practice.

A14- Current terminology used in dentistry and related subjects.

A15-Point out the basis and significance of oral health promotion, nutritional education and prevention of oral diseases in population based approach.

A16- Identify the properties, limitations and parameters by which performance of dental materials are assessed.

A17- Describe the scientific principles of sterilization and disinfection in the dental clinic and lab, to prevent cross infection and provide personal and environmental safety.

B-Intellectual skills:

Upon completion of the program, the graduate should be able to:

B1- Differentiate between dental features in normal and abnormal condition.

B2- Utilize problem solving skills.

B3- Analyze clinical data and use a process of inquiry learning in providing care.

B4- Plan properly for treatment of dental patients.

B5- Evaluate the effects of medications taken by the patient on dental management and Choose the drugs suitable for different dental problems.

B6- Find effective solution for dental patients with medical problems.

B7- Synthesize information from a number of sources in order to gain a coherent understanding of theory and practice.

B8- Recognize clinical problems that are beyond a newly qualified dentist and so require referral.

B9- Show flexibility in responding to the introduction of new clinical methods, techniques and practices.

B10- Use evidence-based dentistry in presenting arguments, case studies and as a basis for informed decisions when problem solving.

B11- An awareness of moral and ethical responsibilities involved in the provision of care to individual patients and to populations.

B12- An awareness of the importance of his or her own health and its impact on the ability to practice as a dentist.

B13- An awareness of the need for continuing professional development allied to the process of their continuing professional development, in order to ensure that high levels of clinical competence and knowledge are maintained.

C- Professional and practical skills:

Upon completion of the program, the graduate should be able to:

C1- Obtain and record a comprehensive history, perform an appropriate physical examination, interpret the findings and organize appropriate further investigations.

C2- Prescribe drugs commonly used in oral medicine and evaluate their side effects and interactions.

C3- Discover the etiology and risk factors of pathological conditions, that may contribute to the disease process.

C4- Carry out clinical procedures independently with minimal or no supervision so as to become a competent practitioner:

C-4-1 Apply preventive procedures.

C-4-2 Apply different local anesthetic techniques.

C-4-3 Extract teeth and remove roots when necessary.

C-4-4 Diagnose commonly encountered oral lesions.

C-4-5 Perform the necessary radiographs.

C-4-6 Perform non-surgical periodontal treatment and monitor treatment outcomes.

C-4-7 Restore carious and non-carious tooth defects with emphasis on basic concepts of esthetics.

C-4-8 Perform basic endodontic procedures.

C-4-9 Rehabilitate partially and completely edentulous patients.

C-4-10 Diagnose and prevent the development of malocclusions.

C5-Use infection control measures in dental practice.

C6-. Handle patients with anxiety or apprehension in different age groups.

C7- Respond appropriately to any clinical emergency.

C8- Develop relevant technical and digital/IT skills that support safe and effective clinical practice.

C9- Communicate effectively with patients, their families and associates, and with other health professionals involved in their care.

C10- Apply evidence-based treatment.

D-General and transferable skills:

Upon completion of the program, the graduate should be able to:

D1- Establish a patient–dentist relationship that allows the effective delivery of dental treatment.

D2- Identify patient expectations, desires and attitudes (needs and demands) when considering treatment planning and during treatment.

D3- Interact and work with all members of the dental team, the public and colleagues in an inclusive manner.

D4- Execute an ethical and scientific attitude.

D5- Assess their expert capabilities, work, and advancement.

D6- Realize professional accountability towards the nearby society.

D7- Apply contemporary technologies to enhance and expand professional practice.

D8- Manage and protect both patient-related and other clinical data.

D9- Use information technology as a means of communication, for data collection and analysis, and for self-directed learning.

D10- Contribute to own development and those of others by participating and facilitating continuing professional development activities.

D11- Manage time, set priorities and work to prescribed time limits.

D12- Evaluate the validity of claims related to products or techniques.