Bahria University Medical and Dental College provides an inspirational, conducive, safe and friendly environment to nurture academic, moral and social excellence and expects from its students to exhibit professional excellence with respectful behavior towards teachers, colleagues, health care professionals and above all; patients!

Our students are provided hands on learning not only in the wards and emergency room but also on mannequins in the skill lab. We use innovative teaching techniques such as PBL (Problem Bases Learning) and PSIL (Problem Solving Interactive Learning) where teachers interact with small group of students and where the learner drive the learning. Our vision is to establish a center of excellence in medical/ dental/ Physical Therapy education and research at par with international standards.

- Bachelor of Medicine and Bachelor of Surgery (MBBS)
- Bachelor of Dental Surgery (B.D.S)
- Doctor of Physical Therapy (DPT)
- Bachelor of Media Lab Technology (MLT)
Local Candidates

- Minimum 60% marks in HSSC examination (Medical Group) OR any other examination of a foreign university or examining body.
- Candidate who has passed any other examination of a foreign university or examine body, which contains the subjects declared as essential by Pakistan Medical and Dental Council.
- Certification by IBCC to the Intermediate Science (HSSC with 60% marks) Examination.
- Passed examination higher than HSSC from a Pakistani University with biological Sciences provided he/she has passed the Intermediate Science (HSC Examination) securing at least 60% marks.

Overseas Candidates

- Passed an examination equivalent to Intermediate level of Pakistan from a foreign education system with three science subjects out of which Biology and Chemistry are essential subjects with 60% mark each as certified by IBCC.
- On foreign seats only and not on open merit seats, in lieu of the entry test of the admission authority, the candidate is required to have passed SAT II examination with a minimum score of 550 marks in each of the three science subjects of which two have to be Biology and Chemistry.
- Valid TOFEL or ILETS with a score of 500 or 5. 5 only if the medium of instruction of study two years prior application for admission / entry test is not English

Objective of the Degree Program

- To produce competent medical graduates equipped with essential knowledge, skills and attitudes to practice evidence based professional education within and outside Pakistan.
- To provide patient care that is appropriate and effective for the management of health problems and promotion of health of individual’s family and community at large.
- To demonstrate ethical principles, respect and legal responsibilities towards patient care.

Learning outcomes of the Degree Program

By the end of the five year MBBS program, medical graduates should be able to:

- Correlate the pathogenesis, clinical manifestation and lab investigation of acute and chronic illnesses.
- Elicit accurate and detailed medical history in a patient
- Perform complete physical examination in adults and children in respectful manner.
What will student study in this program?

Basic Sciences Courses
- Anatomy
- Biochemistry
- Physiology
- Pathology
- Pharmacology
- Forensic Medicine
- Community Health Sciences

Clinical Courses
- Surgery
- Gynaecology & Obstetrics
- Pediatrics
- ENT
- Ophthalmology

Future Career Prospects
Students can seek admission in various post graduate medical educational programs and courses like FCPS, MCPS, MS/MPhil/PhD (Local). They can also attempt international licensing exams like USMLE, PLAB etc. after completion of the MBBS program.
Objective of the Degree Program

The purpose of the BDS program is to provide qualifiers with specific knowledge, skills and competencies in the field of dentistry that will enable them to register as dentists in Pakistan. This implies that they have the necessary knowledge, skills and disposition, to promote the health and more specifically the oral health status of individual patients as well as the community, focusing on preventive, therapeutic, curative/surgical and rehabilitative aspects of oral diseases, thus ensuring optimal oral health for individual patients as well as for community.

The core competencies which will govern all activities of the graduating dentist:

- Learning skills that will impart the ability for self-directed learning and an understanding that dental education is a life-long learning activity
- A knowledge and insight into the environmental and social determinants of health and disease, and their relationship to development, as well as the biological rationale of oral health
- Communication skills for effective inter-personal relations and for interactions with, and education for, individuals, families and communities, and other health workers

Entry Requirements

Minimum of 60% marks in HSSC
Pre-Medical or its equivalent recognized by IBCC

Local Candidates:

- Minimum 60% marks in HSSC examination (Medical Group) OR any other examination of a foreign university or examining body.
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Learning outcomes of the Degree Program

BDS program is designed as a 4-year graduate program. The curriculum of each year is divided into 3 modules. The teaching strategies adopted in the program, encourage critical thinking, analytical skills, psychomotor skills, application of knowledge and soft skills.

After completing four years BDS program, a student will be able to develop:

- Psychomotor Skills
- Leadership quality
- Communication and inter-personal skills
- Decision Making power
- Self-directed Lifelong learning and research interest
- Professionalism, ethics and drive for personal development.

Complete List of core courses

List of core courses

Basic Sciences Courses:
- Oral Anatomy & Histology
- Anatomy
- Biochemistry
- Physiology
- Science of Dental Materials
- Community Dentistry
- Pharmacology
- General Pathology
- Oral Pathology

Clinical Courses
- Periodontology & Oral Medicine
- General Medicine
- General Surgery
- Oral & Maxillofacial Surgery
- Orthodontics
- Prosthodontics
- Operative Dentistry

Future Career Prospects

Dentists graduating from Bahria University dental college will develop a wide range of skills and acquire knowledge and understanding that is directly relevant to a variety of specific career. Students can choose their career route from clinical as well as non-clinical side.

The basic dental sciences prospects in Pakistan and around the globe, include:

- Master of Sciences (Non-Clinical Subjects)
- Master of Philosophy (M. Phill)
- Master of Dental Surgery (Non-clinical Subjects)

Clinical Dentistry

- General Practitioner
- Master of Sciences (Clinical Subjects)
- Masters of Dental Surgery (Clinical Subjects)
- Member of College of Physicians and Surgeons (MCPS),
- Fellow of College of Physicians and Surgeons (FCPS)
- Fellowship in dental surgery of the Royal college of Surgeons (FDSRCS)
Objective of the Degree Program
To produce competitive PTS to fulfil the need of society in Health Care

Learning outcome of the Degree
Able to do leadership role in Health care system

Why choose BU for the Stated Degree Program?
- Demonstrate in-depth knowledge of the basic and clinical sciences relevant to physical therapy, both in their fundamental context and in their application to the discipline of physical therapy.
- Understand, correlate and apply theoretical foundations of knowledge to the practice of physical therapy; evaluate and clarify new or evolving theory relevant to physical therapy.
- Demonstrate the behaviours of the scholarly clinician by developing and utilizing the process of critical thinking and inquiry, particularly focused on the improvement of the practice of physical therapy and the delivery of health care.
- Engage in reflective practice through sound clinical decision making, critical self-assessment and commitment to lifelong learning.
- Demonstrate mastery of entry level professional clinical skills.
- Provision of these services is based on the best available evidence and includes physical therapy examination, evaluation, diagnosis, prognosis, intervention, prevention activities, wellness initiatives and appropriate health care utilization.

What will students study in this program?
List of Core Courses
Anatomy-I
Physiology-I
Kinesiology-I
English-I (functional English)
Pakistan studies
Biostatistics-I
Anatomy-I (practical)
Physiology-I (practical)
Kinesiology-I (practical)
Anatomy-II
Physiology-II
Kinesiology-II
English-II (communication skills)
Islamic studies/ethics
Biostatistics-II/university optional
Anatomy-II (practical)
Doctor of Physical Therapy (DPT)
Department of Medical & Dental

Physical Therapy is a dynamic profession concerned with evaluation and rehabilitation of patients disabled by pain, disease, or injury and their treatment by physical therapeutic measures. The objective of the program is to produce a group of highly competent physiotherapists to fulfill the increasing demand at the national and international level.

Future Career Prospects

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Campuses
Bahria University Medical & Dental College (BUMDC), Karachi

Available Specialization
Medical Laboratory Technology/
Clinical Laboratory Science/
Clinical Pathology/Clinical Chemistry/
Medical Biochemistry

Program Timing
Morning

Objective of the Degree Program

- To prepare a team of health technologists who can effectively assist senior health professionals in the delivery of quality health services.
- To prepare graduate Medical Technologist with the knowledge and abilities needed for certification by nationally recognized professional agencies.
- To prepare paramedical workers for all levels of the health care delivery system from the primary to the tertiary level.
- To introduce and impart standard technical education with advanced techniques by replacing the conventional methods of pre-service training (certificate level).
- To provide paramedical workers a status and recognition in the health care delivery system through improving their capacity along with increasing awareness of their responsibilities, authority and job description.
- To facilitate paramedical staff with modern skills and techniques and latest technical knowledge of international level

Learning Outcomes of the Degree Program

- Graduates will be prepared as proficient Medical Professionals that work with physicians and other members of the healthcare team, preparing specimens and analyzing blood and other body fluids to diagnose and detect disease
- Graduates will be able to deliver the services in performing the full range of clinical laboratory tests in areas such as hematology, clinical chemistry, immunohematology, microbiology, serology/immunology, coagulation, molecular, and other emerging diagnostics.
- Graduates will have diverse responsibilities in areas of analysis and clinical decision-making, regulatory compliance with applicable regulations, education, and quality assurance/performance improvement wherever laboratory testing is researched, developed or performed.
- Graduates will possess basic knowledge, skills, and relevant experiences in: Communications to enable consultative interactions with members of the healthcare team, external relations, customer service and patient education;
- Graduates will be able to deal efficiently with all departments including financial, operations, marketing, and human resource management of the clinical laboratory to enable cost-effective, high-quality, value-added laboratory service.
- Graduates will also be enabled to do effective, timely, accurate, and cost-effective reporting of laboratory-generated information, Research design/practice sufficient to evaluate published studies as an informed consumer

Entry Requirements

50% marks or above in intermediate science (preferably premedical) or equivalent examination.

Program Duration
4 years
8 semester

Program Timing
Morning
Why choose BU for the stated Degree Program

- Among the the top most universities of Pakistan.
- Align with the guidelines of HEC.
- PMDC accredited medical and dental college
- State of Art Multi Disciplinary Laboratory with latest and advanced equipment for histopathology and molecular biology available at one place to learn.
- Qualified Teachers
- Clinical labs of 700 beded Afflaited hospital, PNS Shiffa is available for students to do practice in final year.

What student will study in this program

General Courses:
- English
- Pakistan Studies
- Islamiat
- Computer Skills

Basic Medical Courses:
- Anatomy
- Biochemistry
- Physiology
- Pharmacology
- Microbiology
- Pathology

Specialized Courses
- Histopathology
- Hematology
- Clinical Bacteriology
- Hematology
- Human Genetics
- Communication Skills
- Clinical Virology and Mycology
- Chemical Pathology
- WBCS and Platelets Disorders
- Bioinformatics
- Clinical Parasitology

What student will study in this program

- Clinical Parasitology
- Clinical Pathology
- Biotechnology
- Medical Laboratory Instrumentation
- Biostatistics
- Immunology and serology
- Research Methodology
- Blood Banking

Medical Laboratory Management Skills
- Fundamental of infection control
- Molecular Biology
- Epidemiology
- Systematic Diagnostic Bacteriology
- Cytology and Cytogenetics

Future Career Prospectus

- This program provides excellent career opportunities to students with a quality learning experience and development of expertise in technological practices required for professional clinical laboratory scientist.
- Upon completing the degree, graduates will be qualified to work as a medical technologist in Hospitals, Diagnostic labs, Research labs, Physicians Office, Universities.
- This program will provide a career path to the students and lab workers with advanced research opportunities as scientists, which can boost their professional career and enhances the promotion chances up to senior and supervisor level.
- This program will provide excellent opportunity to technicians already working in clinical labs and hospitals to establish their career as medical technologist and can earn a decent salary.