DOW INTERNATIONAL MEDICAL COLLEGE

Prospectus

BS Forensic Science
Session 2026-27



Email: admissions@duhs.edu.pk
Website: https://www.duhs.edu.pk

QUAID'S
Message To Youth



"**Pakistan** is proud of her youth, particularly the students who have always been in the forefront in the hour of trial and need. You are the nation's leaders of tomorrow and you must fully equip yourself by discipline, education and training for the arduous task lying ahead of you. You should realize the magnitude of your responsibility and be ready to bear it" **(Jinnah, 1947).**



(Lahore, 31 st October, 1947)



VICE CHANCELLOR'S *Message*

It is a great honor for me, as the Vice Chancellor of Dow University of Health Sciences (DUHS), to welcome you to an institution that has been at the forefront of medical and health sciences education in Pakistan.

Since its establishment in 2004, DUHS has grown from three constituent colleges into a comprehensive university system comprising twenty constituent and forty-two affiliated institutions. Building upon the distinguished legacy of Dow Medical College, established in 1945, the University continues to uphold its commitment to academic excellence, professional integrity, research, innovation, and service to humanity.

The Allied Health Sciences programs at DUHS represent an essential component of modern healthcare. Through disciplines such as Pharmacy, Physical Therapy, Optometry, Medical Technology, Biotechnology, Nursing, Human Nutrition, Public Health, Radiology, Psychology, and other specialized fields, DUHS provides students with opportunities to develop the knowledge, technical expertise, and professional values required to meet the evolving needs of the healthcare sector. These programs prepare graduates to become competent, compassionate, and responsible healthcare professionals who can contribute meaningfully to patient care and community well-being.

At DUHS, we remain committed to creating an academic environment that encourages learning, discovery, collaboration, and innovation. Recognizing the growing importance of Artificial Intelligence (AI) in modern healthcare, the University is progressively integrating AI into its academic and educational framework, enabling students to become familiar with emerging technologies from the early stages of their academic journey. As healthcare continues to evolve through advances in science and technology, DUHS is dedicated to strengthening its educational and research infrastructure, expanding opportunities for interdisciplinary learning, and providing students with exposure to modern healthcare practices and state-of-the-art facilities.

I warmly welcome you to Dow University of Health Sciences, where a proud tradition of excellence meets a vision for the future, and where you will be inspired and empowered to make a meaningful difference in healthcare.

PROF. DR. NAZLI HOSSAIN
VICE CHANCELLOR
Dow University of Health Sciences

VISION STATEMENT DUHS

To be a pre-eminent academic institution committed to changing and saving lives.

MISSION STATEMENT DUHS

Providing outstanding patient centered education, training and clinical care informed by cutting edge research and innovation generating and disseminating new knowledge.

MESSAGE BY PROGRAM DIRECTOR BS- FORENSIC SCIENCE

It is with great pride that Dow University of Health Sciences (DUHS) introduces the Bachelor of Science in Forensic Science (BS-FSc.), the first comprehensive forensic science degree in Sindh. Designed to meet Pakistan's growing demand for skilled forensic professionals, this multidisciplinary program integrates biology, chemistry, digital forensics, and advanced forensic techniques, providing students with a strong scientific foundation for careers in forensic laboratories, law enforcement, and beyond.

At DUHS, students will gain hands-on experience through practical training, from analyzing simulated crime scenes to presenting evidence in courtroom settings. Access to purpose-built crime scene facilities and state-of-the-art laboratories ensures an immersive learning environment, equipping graduates to examine, interpret, and present forensic evidence precisely and confidently.

Research is a cornerstone of the BS-FSc. program, where students engage in projects on DNA analysis, cybercrime, and AI-driven forensic tools, gaining exposure to advanced technologies in crime detection and evidence analysis. Collaborations with national and international experts will further enhance their research experience, fostering critical thinking and innovation.

For those pursuing further academic growth, the program lays a strong foundation for graduate studies or specialized professional paths, with dedicated advisors providing guidance throughout their educational journey.

Students will engage with forensic science societies and professional organizations in Pakistan and internationally, fostering academic excellence, innovation, and a strong community of future forensic professionals.

If you are passionate about solving complex problems and fascinated by the science behind criminal investigations, this program offers a unique and rewarding path. We look forward to welcoming you to DUHS and guiding you on this exciting journey in forensic science.

Best regards,

INTRODUCTION

The Bachelor of Science in Forensic Science program at Dow University of Health Sciences (DUHS) offers an innovative and multidisciplinary education, designed to meet the growing demand for skilled forensic experts in both national and international domains. This program integrates advanced scientific techniques with legal frameworks, preparing students to analyze crime scenes, interpret forensic evidence, and contribute to the judicial system. By combining theoretical knowledge with hands-on laboratory training, students develop expertise in fields such as DNA analysis, toxicology, fingerprint analysis, and digital forensics. With access to state-of-the-art facilities and guidance from experienced faculty, graduates of this program will be well-equipped to pursue careers in law enforcement agencies, forensic laboratories, and research institutions.

DUHS's commitment to academic excellence ensures that the BS Forensic Science program is aligned with modern advancements and industry standards. The curriculum emphasizes critical thinking, ethical practices, and professional integrity, fostering a strong foundation for lifelong learning and career growth. Through internships and collaborative projects, students gain real-world experience, enhancing their problem-solving skills and adaptability in high-pressure environments. This program not only addresses the region's need for forensic professionals but also positions DUHS as a leader in forensic education and research.

SCOPE OF FORENSIC SCIENCE IN PAKISTAN

The importance of forensics in Pakistan cannot be overstated. Pakistan's criminal figures arequite concerning. The lack of expert inquiry is one of the key issues.

Forensic science is one of the most important professions required in Pakistan to address the rising rate of criminal activity. The scope of forensic science in Pakistan is vast. Forensic science is a branch of science in which scientific methods and procedures are employed to analyze or investigate a specific subject according to legality and the law to provide adequate justice. Forensic science serves a critical function in any country where crime is prevalent.

Forensic scientists are concerned with the preservation and analysis of scientific evidence gathered at a crime scene for investigations. Experts in forensic science arrive at the crime scene as soon as possible to collect scientific evidence, which they subsequently evaluate in forensic labs. Basic Medical Sciences, Genetics/Molecular Biology, Law/Criminology, Chemistry, Information Technology, and Physics are all closely related to forensic science. Although it has a strong link to law and inquiry, it is essentially a type of applied medical science. A forensic expert must be well-versed in local criminal legislation. In many criminal cases, police, inquiry, and law enforcement authorities are unable to proceed without the assistance of forensic scientists.

Forensic scientists are in high demand nowadays. Primarily, this is a critical field of study.

More importantly, specialists are needed. The scope of forensic science in Pakistan is growing steadily. Universities and colleges are looking for scholars. Similarly, so is the industry.

There are a huge number of job opportunities for forensic science in Pakistan. Many investigation departments and agencies are running that recruit a large number of employees every year. A forensic science degree holder can easily apply as an investigation officer, laboratory technician, consultant, writer, criminal psychologist, public prosecutor, criminal lawyer, crime reporter, instructor in training institutes, NGO activist, etc. Forensic science is one of the highest-paying jobs in almost every country in the world.

PROGRAM DESCRIPTION OF BS FORENSIC SCIENCE

1.1 DEGREE NAME

Graduates of the program will be awarded the **Bachelor of Forensic Science (BS-FSc.)** degree upon the successful completion of the comprehensive **four-year program.**

1.2 Eligibility Criteria :

- HSSC Pre-Medical or equivalent examination (e.g. A-Level, 12th grade etc) duly certified by IBCC with minimum 60% marks.
- Candidate's PRC & Domicile of Sindh Province

1.3 SEAT ALLOCATION.

- The BS Forensic Science program offers a total of **25 Seats** filled on merit.

1.4 CAMPUS/DEPARTMENT FOR COURSE DELIVERY.

- Department of Forensic Medicine and Toxicology/DIMC

1.5 PROGRAM EDUCATION OBJECTIVES (PEOs)

1. To provide a structured teaching and learning experience that combines strong theoretical foundations, practical training, and research-based investigations to address contemporary issues in forensic science.
2. To develop a knowledge and skill base aligned with employment opportunities in forensic science, related disciplines, and broader scientific fields, fostering adaptability across various career pathways.
3. To promote critical, analytical, and lateral thinking while cultivating an honest and rational approach to investigative science within forensic and legal contexts.
4. To instill professional ethics, respect for human rights, and an understanding of forensic science's role within the legal framework of government inquiries and criminal prosecutions.
5. To enable students to plan, execute, and critically evaluate forensic casework and laboratory investigations, emphasizing the significance of evidential results and advanced forensic techniques.
6. To inspire intellectual independence, teamwork, responsibility, and originality, equipping graduates to adapt to evolving technologies and to lead interdisciplinary collaborations in forensic science.
7. To prepare graduates to effectively communicate their scientific work, both orally and in writing, to diverse audiences, including legal professionals and the scientific community.
8. To support Pakistan's forensic science sector through innovative research, enhanced practices, and addressing challenges while preparing graduates to contribute to global advancements in the field.

1.6 CAREER PROSPECTS/OPPORTUNITY OF BS-FSC.

A graduate of Bachelor of Forensic Science is prepared for careers in:

1. **Crime Scene Investigation (CSI):** Roles in crime scene documentation, evidence collection, and forensic analysis for government and private agencies.
2. **Law Enforcement and Security Agencies:** Opportunities in Military Police, Armed Forces, and Police Training Colleges for forensic support in criminal investigations and training.
3. **Forensic Science Education:** Academic roles in colleges and universities, including teaching and curriculum development.
4. **National Database and Registration Authority (NADRA):** Roles in biometric verification, identity management, and fraud detection.
5. **Investigation Departments:** Positions in organizations such as FIA, NAB, and Cyber Security Units, specializing in digital forensics, financial crime investigations, and counter-terrorism.
6. **Judicial Support:** Research, analysis, and presentation of forensic evidence in courts, supporting legal teams and case evaluations.
7. **Specialized Forensic Laboratories:** Employment in chemical analysis, ballistics, toxicology, DNA molecular laboratories, and forensic pathology labs.
8. **Healthcare and Pharmaceutical Industry:** Roles in toxicology, drug testing, and analysis for regulatory compliance and research.
9. **Private Forensic Consulting:** Establishing independent forensic consulting firms for investigative and legal support services.
10. **International Organizations:** Opportunities with Interpol, UN agencies, and global forensic institutes in crime investigation and policy development.
11. **Tech-Forensics:** Careers in digital forensics, cybersecurity, and data recovery with tech companies and law enforcement.
12. **Environmental and Wildlife Forensics:** Roles in analyzing environmental crimes, wildlife trafficking, and ecological investigations.

FEE STRUCTURE – BS FORENSIC SCIENCES
Session 2026-27

DOW INTERNATIONAL MEDICAL COLLEGE - DIMC

Fee Type	Amount in PKR
Admission Fee – (at the time of admission)	PKR 45,000/-
Tuition Fee – (per annum)	PKR 200,000/-
Student Activity Charges – (per annum)	PKR 10,000/-
Library Fee Charges – (per annum)	PKR 10,000/-
Documents Verification Charges – (at the time of admission)	PKR 2,500/-
Without Transport	**PKR 267,500/-**
Transport Fee – (Optional) – (per annum)	PKR 50,000/-
With Transport	**PKR 317,500/-**

- Above amounts are excluding govt. taxes. Taxes apply as per Govt. & FBR rules.

– RULES FOR THE PAYMENT OF FEE –

The fee for each subsequent year of the respective category will have to be paid within one month of the commencement of 2nd, 3rd ,4th, Final Year.

If Payment is made after the due date, a late fee charge of 5% will be levied on the total fee.

Fee of all categories will be increased by 10% every year.

AFTER FOUR MONTHS OF NON-PAYMENT, THE SEAT IS LIABLE TO BE CANCELLED AND STUDENT WILL NOT BE ALLOWED TO APPEAR IN ANY EXAMINATION.

- Fee deposited is refundable as per the Refund policy guidelines of the DUHS.
- Taxes will be applied as per the FBR/SBR rules.
- Hostel and Transport fee will charge as per calendar year (i.e., Jan. to Dec.).
- Amounts stated in the fee vouchers are excluded of all Bank Charges.
- The Fee Structure may be revised by the university at any time during the course of the study, due to unavoidable circumstances.

All Professional Year & BS Program students are required to submit an **undertaking** affirming that they will not waste their allotted seat.
If a student withdraws from the program or fails to join after securing admission, a **SEAT WASTAGE PENALTY AS PER COMPLETE PROGRAM TUTION FEE** shall be imposed.

1.7 CURRICULUM STRUCTURE

The **BS Forensic Science program at DUHS** is a comprehensive **four-year degree** spanning **eight semesters**. The program consists of **46 courses totaling 120 credit hours**, integrating advanced theoretical knowledge across various life science disciplines. It emphasizes a strong forensic focus through extensive hands-on practical exercises, equipping students with the skills required for real-world forensic investigations and analysis.

Categories	No. of Courses	Credit Hours
General Education Courses	13	32
Disciplinary/ Major	26	69
Interdisciplinary/ Minor	05	13
Research Projects	02	06
Electives	xx	xx
Total	**46**	**120**

- **Total Number of Credit Hours: 120**
- **Duration: 04 Years**
- **Number of Semesters: 08**
- **Semester Duration: 16-18 Weeks**
- **Number of Courses per Semester: 05-06**

1.9 SCHEME OF STUDY BS-FSC.

BS-FSc. 1st Year

1st Year, 1st Semester			1st Year, 2nd Semester		
Course Code	**Subject**	**Cr. Hr.**	**Course Code**	**Subject**	**Cr. Hr.**
ENG 101	English I (Functional English)*	3	ENG 102	English II (Expository writing)*	3
MTH 101	Quantitative Reasoning Mathematics and Statistics -I*	3	PST 102	Pakistan Studies*	2
PHL 101	Philosophy*/	2	CHE 102	Principles of Chemistry* Organic and Inorganic	3
ICT 101	Application of Information and Communication Technology*	3	MTH 102	Quantitative Reasoning Mathematics and Statistics -II*	3
ICP 101	Ideology and Constitution of Pakistan*	2	CCE 102	Civic and Community Engagement*	2
ISL 101/ ETH 101	Islamiyat / Ethics *	2	ENT 102	Entrepreneurship*	2
	Semester Cr. Hr.	15		Semester Cr. Hr.	15

BS-FSc. 2nd Year

2nd Year, 3rd Semester			2nd year, 4th Semester		
Course Code	**Subject**	**Cr. Hr.**	**Course Code**	**Subject**	**Cr. Hr.**
PSY 201	Psychology	2	FPA 202	Forensic Pathology**	3
FOS 201	Principles of Forensic Sciences**	2	IMU 202	Immunology **	3
FTX 201	Forensic Toxicology**	3	FSR 202	Forensic Serology **	1
FSC 201	Forensic Science in Courtroom **	1	MBL 202	Molecular Biology **	3
ANA 201	Human Anatomy**	2	GEN 202	Human Genetics**	3
PHS 201	Human Physiology**	3	BBE 202	Biosafety and Bioethics**	2
PHA 201	Basic Pharmacology**	3	AIF 202	AI in Forensic Science**	1
	Semester Cr. Hr.	16		Semester Cr. Hr.	16

BS-FSc. 3rd Year

3rd Year, 5st Semester			3rd Year, 6th Semester		
Course Code	**Subject**	**Cr. Hr.**	**Course Code**	**Subject**	**Cr. Hr.**
FDN 301	Forensic DNA Typing**	3	FFT 302	Fundamental Forensic Techniques**	3
MBL 301	Techniques in Molecular Biology **	4	FTE 302	Forensic analysis of Trace Evidence**	3
RM 301	Research Methodology **	3	FPH 302	Forensic Photography ***	2
STA 301	Introduction to biostatistics	3	FPS 302	Forensic Psychology***	3
MIF 301	Microbial Forensics **	3	QDE 302	Forensic Analysis of Writing/Questioned Document Examination***	2
	Semester Cr. Hr.	**16**		**Semester Cr. Hr.**	**13**

BS-FSc. 4th Year

4th Year, 7th Semester			4th Year, 8th Semester		
Course code	**Subject**	**Cr. Hr.**	**Course**	**Subject**	**Cr. Hr.**
FDE 401	Digital Evidence Analysis/ Cybercrime**	4	BIO 402	Bioinformatics**	3
BAL 401	Principles of Ballistics **	3	FAN 402	Forensic Anthropology**	3
FEN 401	Forensic Entomology***	3	FOD 402	Forensic Odontology***	3
CSI 401	Crime Scene Investigation**	2	DVI 402	Disaster Victim Identification	2
PRO 401	Project****	3	PRO 402	Project-I****	3
	Semester Cr. Hr.	15		Semester Cr. Hr.	14

* General courses=32 **Major=69 *** Minor=13 ****Project= 06 ***** Elective

1.10 ASSESSMENT CRITERIA.

Examinations for the **BS Forensic Science program** are conducted on a semester basis through a centralized examination department. Assessments comprise both theoretical and practical components tailored to the specific course requirements. Additionally, internal evaluations are conducted by faculty members using pre-defined scoring criteria. Students must successfully complete all courses, including prerequisites from the preceding semester, to progress to the next semester. To qualify for the degree, students are required to pass all courses—both disciplinary and interdisciplinary—along with credit-hour-based capstone research projects and non-credit elective courses.

1.11 ELECTIVE COURSES.

- ✓ Crime scene investigation
- ✓ Forensic Photography
- ✓ Questioned Document
- ✓ Fingerprint analysis
- ✓ Chemical Laboratory
- ✓ Molecular Laboratory
- ✓ Ballistics Analysis
- ✓ Digital Forensic Department
- ✓ Forensic Anthropology
- ✓ Forensic Entomology



Join Us in Shaping the Future of Forensic Science!

Student Activities















(Sample of Affidavit should be on Rs. 100 stamp paper)

AFFIDAVIT

I, _____ S/o, D/o, am offered admission in BS Forensic Sciences Program at Dow International Medical College, Dow University of Health Sciences Karachi, hereby undertake that:

1. All my documents statement and particulars are true to the best of my knowledge. In case these are found false/ incorrect, I will be liable to refusal of my admission in "BS Forensic Sciences Program" by the university and if admitted would be liable to expelled from institute at any time during the course undertake that I will not get admission in any other college / university of Pakistan during this 04 years period.
2. I also hereby undertake that I have been informed about the fee structure for program and duly accepted by me. I will submit the prescribed fee within due dates and will not ask for any concession/waiver/relief in fee till the completion of the program.
3. I also undertake that after my final selection/provisional admission in BS Forensic Sciences program, I shall complete the program of four years. However, if I leave the seat before completion of program, I shall be liable to pay the penalty fee as per university rules and regulations for wasting the precious seat, else I will not be entitled to issuance any certificate/ document from the institution.
4. I also undertake that I hold PRC & domicile of Sindh Province only. In case of my domicile is found fake, my admission will be cancelled with immediate effect.
5. I also undertake that I will abide by all the rules and regulations of the university. If I fail to observe the discipline of university at any time during the program, the disciplinary action could be taken by the university authorities.

In case of violation of any of the above said rules / regulations, the DUHS has the full right to cancel my admission and will have no legal bindings upon DUHS.

_____
Candidate Signature
Candidate Name_____
CNIC No.:_____

Witness 01:
Name:_____
Signature:_____
CNIC No.:_____

Witness 02:
Name:_____
Signature:_____
CNIC No.:_____