



**Dow University
of Health Sciences**

PROSPECTUS

BS - MEDICAL TECHNOLOGY

Session 2021-22

Dow Institute of
Medical Technology (DIMIT)

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DOW INSTITUTE OF MEDICAL TECHNOLOGY

OVERVIEW

Medical Technology is a vital part of the entire Health Care System. This professional field comprises the challenges and rewards of medicine and surgery and deals with technical aspects of the same. Our program is providing undergraduate and postgraduate training program in these fields for students pursuing their careers in Allied Health Science.

Medical technologists are vital members of Health Care System. They are eminent professional resource of health care team, who play active role in medical institutions, hospitals, physicians' offices, diagnostic centers and other health care facilities in public and private sectors.

The program focuses on the development of scholarly activities designed to develop and advance competencies in clinical skills, critical thinking and problem solving skills. Maintenance and practice of ethical standards as well as development of collaborative perspective toward education and proper management and persistent goal oriented efforts, are also integral part of the program.

The medical technology program at DUHS offers a 4-year Bachelor of Sciences degree. During the first two years program comprises of courses in general education, communication skills, basic medical sciences and concerned technical sciences along

with clinical practicum conducted in approved and affiliated teaching facilities. Successful candidates are given the opportunity to pursue their career for further two years by completing bachelors program. Further two-year program will focus on advanced clinical sciences, clinical practice and technical skills. Programs are offered in five different technologies: Clinical Laboratory Sciences, Respiratory & Critical Care Technology, Surgical Technology, Clinical Ophthalmic Technology, and Perfusion Sciences.

Currently over 400 students are enrolled in these programs. Fifteen of our batches from 2006-2017 have graduated and are being successfully placed in the job market.

We make sure our students are receiving accurate, up-to date, and comprehensive information. Faculty advisory committee from DUHS also visit clinical programs to stay updated with latest developments

Graduates of this program will become the vital part of health care team and will prove to be the backbone of the entire health care system in the country. They will have enormous employment opportunities here and abroad

MESSAGE BY THE PRINCIPAL DIMT



Needless to say that Medical Technology has become the mainstay of modern-day medicine. The recent advent of Covid-19 has further consolidated the pivotal role of medical technologists pertaining to the diverse fields of **Clinical Laboratory Sciences (CLS)** and **Respiratory & Critical Care (RCC)**. Furthermore, **Surgical Technologists** and **Perfusionists** play crucial roles in Operation Theatres and ICUs/CCUs respectively. All these allied medical stars complete an effective robust medical team dedicated to saving precious human lives. Same holds true for **Clinical Ophthalmic Technologists** who try their level best to show the brighter side of the world to their patients.

Dow Institute of Medical Technology (DIMT) offers BSMT program in all these 5 wonderful disciplines on a highly competitive basis and thus promises a bright future ahead. Each degree program spans 4 years of vigorous study and clinical rotations, followed by 6 months of paid

internship. Courses are taught by highly qualified faculty and competent subject experts. Moreover, our institute offers Academic Chaplaincy for students coming from outside city, thus making them feel at home.

Interestingly, recent data on employability of DIMIT graduates has revealed an astonishing rate of 98% serving in leading roles at different medical and allied organizations of high repute. Lately, dozens of our graduate perfusionists have moved to Kuwait on lucrative perks and salaries. In short, I can proudly and confidently say that DIMIT offers the best employability chances akin to IBA.

Vision Statement

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

Mission Statement

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

DISCIPLINES/FACULTY AT DIMIT

1. RESPIRATORY AND CRITICAL CARE TECHNOLOGY(RCC)
2. CLINICAL LABORATORY SCIENCES(CLS)
3. SURGICAL TECHNOLOGY(ST)
4. CLINICAL OPHTHALMIC TECHNOLOGY(OP)
5. PERFUSION SCIENCES(PS)

TOTAL NUMBER ALLOCATED SEATS FOR EACH DISCIPLINE

CLS	RCC	ST	OP	PS	Total
20	20	20	20	20	100

Eligibility Criteria :

- HSSC (Intermediate Science) Pre-Medical/ A-Level or Equivalent, Min. 60% marks or equivalent duly certified by IBCC
- Candidate's Domicile of Sindh

RECOGNITION OF GOVERNING BODIES/COUNCILS

The academic programs at the Institute of medical technology are accredited by ***Higher Education Commission(HEC)***. The governing body of Dow Institute of medical technology are ***Academic Council*** and ***Board of Studies*** which are represented by the Principal and key stake holders of different hospitals and universities pertaining to the discipline.

ASSESSMENT METHODS:

1. **Internal Evaluation:** (Assignment, Quiz, Attendance etc.)
15%
2. **MID- Term examination:** 15%
3. **Terminal Examination:** 70%
4. **Total:** 100%

NUMBER OF STUDENTS GRADUATED SINCE YEAR 2006

CLS	RCC	ST	OP	PS	Total
461	250	218	110	61	1100

**FACULTY MEMBERS OF EACH
ACADEMIC PROGRAM:**

• **Basic Science Subjects:**

- | | |
|------------------------------------|-------------------|
| ▪ ANATOMY | DR. AAMIR |
| ▪ PHYSIOLOGY | DR. RAMSHA |
| ▪ ENGLISH FOUNDATION | MR. ARSALAN |
| ▪ SOCIOLOGY BASIC | MRS. AFSHAN ARZOO |
| ▪ MEDICAL TERMINOLOGY | DR. RAMSHA |
| ▪ ISLAMIYAT | MRS. SHUMAILA |
| • MICROBIOLOGY & INFECTION CONTROL | MRS AMBREEN |
| • BIOCHEMISTRY | DR. NIDA BAIG |
| • PSYCHOLOGY | MRS. AFSHAN |
| • COMPUTER SKILLS BASIC | MR. SAQIB |
| • PAKISTAN STUDIES | MRS. SHABANA |

• **CLINICAL LABORATORY SCIENCES:**

- | | |
|--------------------------|---|
| • DR. NIDA BAIG | Assistant Professor & Program
Leader |
| • DR. HUMAIRA AMAN | Lecturer |
| • DR. FARAH FATIMA ABBAS | Lecturer |
| • MS. AMBREEN IQBAL | Medical Technologist |
| • MS. ZOOBIA ZAHEER | Lecturer |
| • MS AMBREEN RAFIQ | Lecturer |

• **RESPIRATORY AND CRITICAL CARE TECHNOLOGY**

- | | |
|------------------------|------------------------------------|
| • MS.SYEDA HINA RIZVI | Senior Lecturer And Program Leader |
| • MS.MARIUM MOLABAKHSH | Assistant Professor |
| • MS.SHAGUFTA ISHTIAQE | Lecturer |
| • MS.AFSHAAN ARZOO | Lecturer |
| • MS.RUQUIA NOOR | Lecturer |

- **SURGICAL TECHNOLOGY**

- MS.SALMA PARVEEN Program Leader And Lecturer
- DR. MEHA FATIMA Assistant Professor
- MS. SEHRISH SHERAZ Lecturer
- MS.SIDRA Junior Instructor

- **CLINICAL OPHTHALMIC TECHNOLOGY**

- MR. MUHAMMAD YASIR MALIK Lecturer And Program Leader
- MR. AMMAR YASIR Senior Lecturer

- **PERFUSION SCIENCES**

- MR HATIM HAIDER ALI Assistant Professor & Program Leader
- MS. KIRAN NOORUDDIN Lecture

FACILITIES:

- Laboratories for each discipline
- Reading library
- Digital library
- Gymnasium
- Cricket ground
- Table tennis
- Badminton
- Cafeteria
- Stationary and souvenir shop
- Book shop
- Vocational Training Centre

ACADEMIC CALENDAR

Semester	Total Duration	Vacation	Study duration	Examination	Tentative Dates
<i>Fall</i>	18 weeks	-	15 weeks	2 weeks	September – January
Break	1 week	1 week	-	-	Open
<i>Spring</i>	18 weeks	-	15 weeks	3 weeks	January – May
Break	1 week	1 week	-	-	Open
<i>Summer</i>	6 weeks	-	6 weeks For Repeaters	Non Credit for Repeaters	June – July
<i>Minimester</i>		6 weeks Summer Vacation	Additional Courses (If any)/ Additional Clinical Postings (if any)	NA	August – September
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