



Dow University of Health Sciences

BS-RADIOLOGIC TECHNOLOGY | **SESSION 2024-25**

PROSPECTUS
Dow Institute of Radiology (DIR)



**Prof. Mohammed Saeed
Quraishy**
Vice Chancellor
Dow University of Health

MESSAGE FROM THE VICE CHANCELLOR

As the Vice Chancellor of Dow University of Health Sciences, it is my pleasure to welcome you to one of Pakistan's leading medical universities. Since its inception in 2004 with just three constituent colleges, DUHS has grown into a thriving academic institution with over 30 constituent and affiliated institutions, now recognized as one of Pakistan's most comprehensive health systems.

This year, I am particularly proud to announce DUHS's continued progress toward our vision of being a preeminent academic institution dedicated to transforming lives through education, healthcare, and innovation. Our global accomplishments, especially within Asia, are a testament to the hard work of our dedicated faculty, who are committed to enhancing the learning experience and expanding our impact.

Founded as Dow Medical College in 1945, our university has a longstanding tradition of scholarship and service to the community. Today, DUHS offers a broad range of programs, from allied health and biomedical sciences to fields such as pharmacy, physical therapy, medical technology, biotechnology, nursing, public health, business administration, radiology technology, psychology, nutritional sciences, midwifery, and optometry.

Our commitment to academic excellence is reflected in our adoption of cutting-edge technology and the affordable, state-of-the-art healthcare provided by Dow University Hospital and our affiliated healthcare centers, research facilities, and diagnostic labs. We are dedicated to building an infrastructure that promotes innovation and research, preparing us to meet the needs of the future while delivering high-quality healthcare services.

To the incoming freshmen, I am confident that your journey at DUHS will prepare you to contribute with dedication, integrity, and compassion—upholding the highest standards of healthcare, both nationally and globally.

Good luck to each of you as you embark on this rewarding path!

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*

Introduction of the Institute:

The *Dow Institute of Radiology* was established in 2008 to have the highest quality medical imaging, research opportunities, and Radiology educational experiences. The diagnostic modalities installed at Dow-Rad, are providing prompt and accurate diagnosis of different diseases at highly competitive rates which has made use of imaging modalities possible by general public. Besides providing economic benefits to the patients, the department of Imaging Services is committed to be at the forefront of new developments and clinical applications in the rapidly changing field of medical ima

BS program mission

Our program's mission is to provide our graduates with professional education in diagnostic imaging to become successful technologists who demonstrate the highest level of professionalism and academic, technical, and clinical competence in serving their patients, clients, community, and the profession.

- Well-structured degree program equivalent to B.SC. to be conducted over eight regular semesters over a four-year period consisting of 129 credit hours.
- Based on guidelines of HEC (Higher Education Commission of Pakistan)
- The curriculum is at par with the International standards.

Eligibility:

- 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

Number of seats: 40

Fee Structure of BS-Radiology

Session 2024-25

Fee Type	Fee Amount
Admission Fee	45,000
Tuition Fee	180,404
Transportation Fee (Optional)	43,000
Documentation Verification Fee (Once Only)	2,500
Library Fee (Yearly)	10,000
Student Activity Charges (Yearly)	10,000
Total with Transport	290,904
Total without Transport	247,904

RULES FOR THE PAYMENT OF FEE

1. Fees of succeeding years (2nd Year to Final Year) are to be paid within ONE MONTH of issuance of fee vouchers or within the due date provided.
2. In case the fee for succeeding year (2nd Year to Final Year) is not submitted during the given specified time, late payment charges will be charged as follows:

First Month (After Lapse of First Month)	2.5%
Second Month	5%
Third Month	7.5%
Fourth Month	10%

After four months of non-payment, the seat is liable to be cancelled and student will not be allowed to appear in any examination

3. Fee of all categories shall be increased by 10% every year.
4. Fee deposited is refundable as per the Refund Policy guidelines of the DUHS.
5. Taxes will be applied as per the FBR and Government rules.
6. Hostel and Transport fee will be valid till the December of every year.
7. Amounts stated in the fee vouchers are excluded of all Bank charges .
8. The Fee Structure may be revised by the university at any time during the course of the study, due to unavoidable circumstances.
9. Associated fees will be charged as per fee structure.

Overview of the Program:

The BS Radiologic Technology program curriculum is comprised of courses in basic sciences, mathematics and statistics, application of information and communication technologies, ideology and constitution of Pakistan, and Radiological subjects. The program offers effective teaching and training to the graduates under the guidance of faculty, supervisors and experienced technologists who coach the students to perform X-rays, MRI, CT scans, mammography, ultrasonography and fluoroscopy. This training help students to become expert in their relevant fields before entering professional life. Upon graduation from the program, the graduates will receive a Bachelor of Science (BS) degree in Radiologic Technology. Radiologic technologists are individuals who are specifically trained in delivering ionizing radiation. He/she is responsible for administering contrast agents for better imaging, for evaluating radiographs and always applying radiation safety standards. Radiologic technologists also provide patient education and support.

Objectives:

1. To enhance knowledge and skills regarding basic as well as advance radiologic techniques including minimally invasive and image guided procedures.
2. To be able to interpret radiologic techniques by providing practical knowledge via hands on training on radiological equipment in addition to theoretical education.
3. To promote and facilitate research and article writing in the field of radiologic technology.
4. To inculcate moral, ethical, and professional values.

Curriculum

Semester 1

ANATOMY
MATHEMATICS & STATISTICS
FUNCTIONAL ENGLISH
SOCIOLOGY
APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGIES
IDEOLOGY AND CONSTITUTION OF PAKISTAN

Semester 2

PHYSIOLOGY
MATHEMATICS & STATISTICS
EXPOSITORY WRITING
PHILOSOPHY
RADIOLOGY FOR MEDICAL TECHNOLOGIST-1
CLINICAL PRACTICUM 1

Semester 3

PHARMACOLOGY
BIOLOGY
ISLAMIC STUDIES/ETHICS
MEDICAL IMAGING PHYSICS -1
RADIOLOGY FOR MEDICAL TECHNOLOGIST-2
CLINICAL PRACTICUM 2

Semester 4

PATHOLOGY
ENTREPRENEURSHIP
CIVIC AND COMMUNITY ENGAGEMENT
MEDICAL IMAGING PHYSICS - 2
RADIOLOGY FOR MEDICAL TECHNOLOGIST-3
CLINICAL PRACTICUM 3

Semester 5

RADIOLOGY FOR MEDICAL TECHNOLOGIST- 4
ADVANCED FLOUROSCOPY
CROSS SECTIONAL ANATOMY - 1
MEDICAL AND RESEARCH ETHICS
CLINICAL PRACTICUM 4

Semester 6

NUCLEAR MEDICINE
BIOTECHNOLOGY
ECHOCARDIOGRAPHY
BIOSTATISTICS AND RESEARCH METHODOLOGY-1
CLINICAL PRACTICUM 5

Semester 7

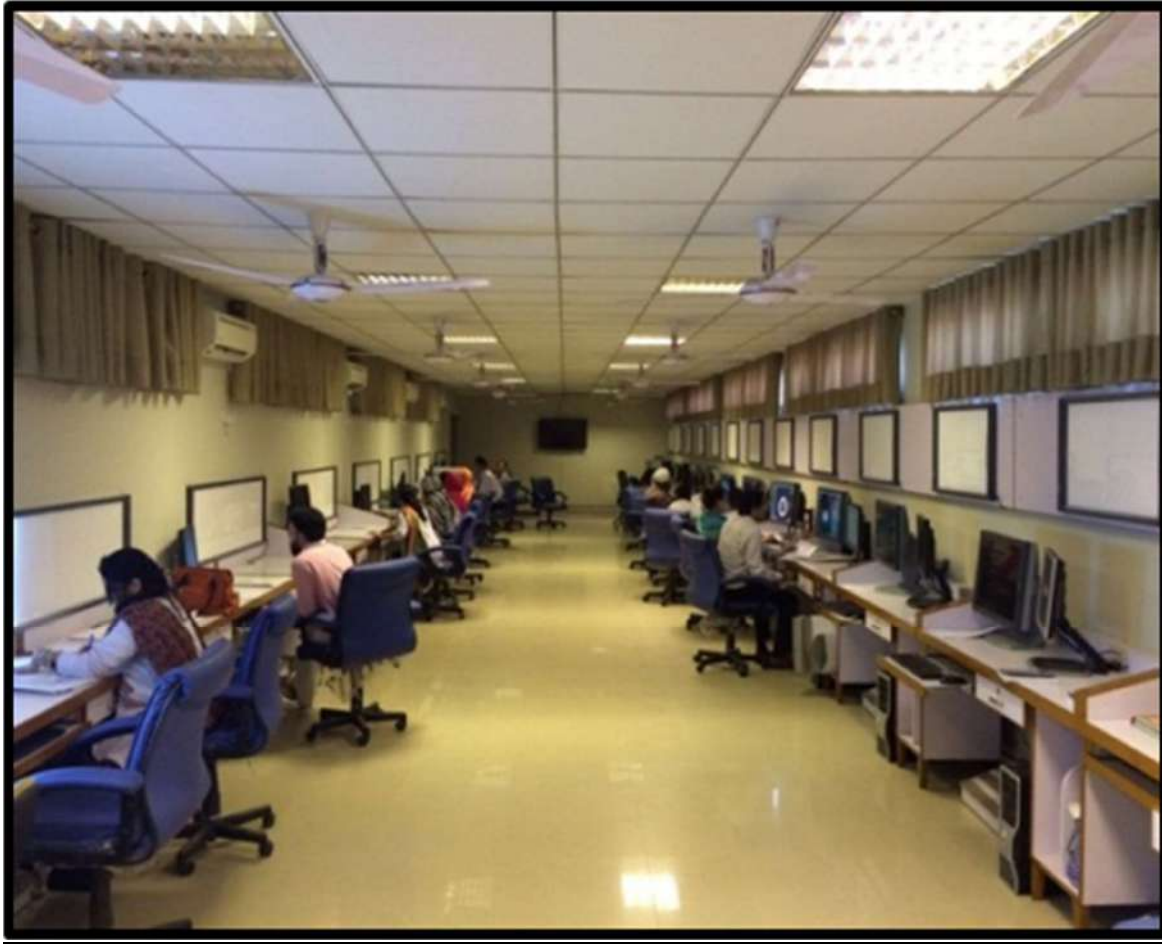
ULTRASOUND
ADVANCED COMPUTED TOMOGRAPHY
BIOSTATISTICS AND RESEARCH METHODOLOGY-2
CLINICAL PRACTICUM 6

Semester 8

CROSS SECTIONAL ANATOMY 2
ADVANCE MAGNETIC RESONANCE IMAGING
INTERVENTION RADIOLOGY (Angiography & Cardiac Imaging)
BIOSTATISTICS AND RESEARCH METHODOLOGY-3
CLINICAL PRACTICUM 7

DOW RADIOLOGY REPORTING ROOM

Dow University of Health Sciences is proud to inaugurate Radiology Reporting Room, fully equipped with Integrated RIS/PACS solution, Hospital Management & Information system of PACS link Corporation first time in any public sector university hospital of Pakistan.



DOW RADIOLOGY LIBRARY

On display in our Library, there are books, journals, correspondence of various kinds, widely used materials and commonly used apparatus that bear witness to the development of our discipline.



Recognition by Governing Bodies/ Council:



Office of the Registrar
Dow University of Health Sciences, Karachi.

Baba-e-Urdu Road
Karachi-74200
Pakistan
Phone: 021-32745826
Facsimile: 021-99215763
registrar@duhs.edu.pk

Ref. No. DUHS/Reg./2018/-2330

Dated the 26th April, 2018

MEMORANDUM

In pursuance of the decision of the Academic Council of the Dow University of Health Sciences taken in its 14th Meeting vide Resolution/Decision No: DUHS-AC-14/15.03.2018/Item-13, unanimously granted Post-facto approval of four (4) years BS Program in Radiologic Technology at Dow Institute of Radiology and its Curriculum.

2. The DUHS Academic Council also decided to stop the AAS program in the same discipline from next session.

(Professor Amanullah)

Registrar
Dow University of Health Sciences,
Karachi

Copy to:

1. The Director, Dow Institute of Radiology, Ojha Campus, Karachi (copy of four (4) years BS Program in Radiologic Technology is enclosed and requested to kindly take appropriate action in the matter).
2. The Director Finance, DUHS, Karachi
3. The Director QEC, DUHS
4. The Director Admissions, DUHS
5. The Director, Q' Bank, DUHS
6. The Controller of Examinations, DUHS
7. The Chairperson, Department of Postgraduate Studies, DUHS
8. The Secretary, Academic Council, DUHS
9. The Incharge, Legal Section, Registrar's Secretariat, DUHS
10. PA to the Vice Chancellor, DUHS.
11. PA to the Pro-Vice Chancellor(s), DUHS.

Assessment methods:

Enrolled candidates are assessed for their knowledge about the subject and skills with intervallic analyses. It includes continuous formative and midterm and end semester summative assessments, projects, clinical practicum and competencies.

Number of Students graduated and Studying till date:

- Total No of Graduates : 133
- Currently enrolled in BSRT Program: 97

Facilities:

The Dow institute of Radiology is located in state of the art building having seminar halls and classrooms well-furnished, spacious and equipped with multimedia facility which enhances teaching-learning process in effective way. It is complemented with an air-conditioned environment that helps students to sustain the exhausting climatic conditions of the city.

The Dow institute of Radiology runs multiple under and post graduate program in which BSRT is skill oriented program and therefore, has made it mandatory for all the students to do clinical practicums as a part of their curriculum. For that purpose students are rotated in their departments according to the curriculum of that specific semester to develop proper and adequate understanding and orientation of practical work. To enhance the fitness of students, they will have annual sports week. A recreational area consisting of gymnasium and indoor games is being built where these facilities can be availed by the students.

First aid treatment and general medication are also available for students in any unforeseen circumstances. Moreover, students have an access to make an appointment at hospital doctors' consultation.

- State –of – art equipment in the radiology department
- Digital Library
- Hostel Accommodation
- Wi-Fi facilities

- Computer Lab
- Recreational activities

Dow University of Health Sciences engages their students in recreational activities periodically along with educational activities. It is well believed that healthy minds flourish in healthy bodies; thus, in order to stay active, it is necessary for students to participate and indulge themselves in recreational activities such as:

- Sports Activities
- Annual Picnic
- Ghazal Night
- Welcome and Farewell Parties etc...
- Transportation service

University transport facility is available on nominal charges for all students, faculty and staff of the Dow Institute of Radiology DUHS.

SEMINAR ROOMS:



Lecture Hall No 1

Lecture Hall No 2

Dow Gymnasium for Extracurricular Activities

Inter-departmental sports activities

1. **Badminton**
2. **Table Tennis**
3. **Volley Ball**
4. **Basket Ball**
5. **Cricket**
6. **Chess**
7. **Throw Ball**



Opportunities:

- Electives: Offered electives to BSRT students after 5th and before 8th semester in Different centers of radiology with proper signed MOU.
- Internship: 06 Months paid internship of BSRT graduate on merit basis.
- Job Opportunities: our aim is to accommodate our trained proficient, safe Technologists and radiologists.

Research Activities:

- To encourage effective research and medical education in the field of radiology technology.
- Research Project: 6 to 8 Semester By dedicated statistician / dedicated supervisors.
- Research project course is offered from sixth- eighth semesters
- Able to select studies relevant to their field : Take IRB, Able to do statistic work, Able to do final write up.
- Attainment of academic and research excellence at national and international level
- Equipped with special software for processing research data i.e. SPSS, etc.
- The program mission helps in provide leadership in creating and imparting knowledge through high quality research and education.
- Through active research faculty can continue to update their skills to ensure that they know about contemporary and future challenges.
- Performance appraisal (based on teaching, research & development, participation in academic and non-academic activities)

BSRT Program Faculty:

Prof. Dr Nasreen Naz

Head of Department
Dow Institute of Radiology

Dr. Sohail Ahmed Khan

Associate Professor
BSRT Director
Dow Institute of Radiology

Dr Ambreen Sair.

Assistant professor
Program Coordinator BSRT
Dow Institute of Radiology

Dr Saira Yasmeen.

Senior Instructor
Program coordinator BSRT
Dow institute of Radiology

Mr. Maaz Shamsi

Academic Coordinator
Dow Institute of Radiology
DUHS

Faculty of Radiology:

- **Professor Dr Nasreen Naz** (Head of Department)
- **Dr Amjad Sattar** (Associate Professor)
- **Dr Sohail Ahmed Khan** (Associate Professor)
- **Nouman Al Qamri** (Assistant professor)
- **Dr Syed Ali Baqar** (Assistant professor)
- **Dr Anila Rahim** (Assistant professor)
- **Dr Maryam Taufiq** (Assistant professor)
- **Dr Binish Rasheed** (Assistant professor)
- **Dr Quratulain Hadi** (Assistant professor)
- **Dr Ambreen Sair** (Assistant professor)
- **Dr Ayesha Walid** (Assistant professor)
- **Dr Ummei Aymen** (Assistant Professor)
- **Dr Nida Rafiq** (Assistant professor)
- **Dr Ameena Begum** (Assistant professor)
- **Dr Saira Yasmeen** (Senior instructor)
- **Dr Hina Siddiqui** (Senior instructor)
- **Dr Sameera Salman** (Senior instructor)
- **Dr Mahnoor Hafiz** (Senior instructor)
- **Dr Samia** (Senior Registrar)
- **Dr Meezan Butt** (Instructor)
- **Dr Anum Khalid** (Instructor)