



Prospectus 2026



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

IN THE NAME OF ALLAH, THE MOST BENEFICENT, THE MOST MERCIFUL

Welcome to The University of Faisalabad

Step into a world where your potential meets purpose. We don't just educate; we empower you to lead, innovate and thrive in a globally connected future. Your journey begins the moment you enter; where knowledge inspires, innovation leads, and every step builds a future without limits.

For over two decades, The University of Faisalabad has been a premier institution of higher education in Pakistan, advancing academic excellence, research-driven innovation, and purpose-led learning since 2002.

The University of Faisalabad, established under the auspices of the Madinah Foundation, stands among Pakistan's most distinguished institutions of higher education, recognized for academic excellence, research innovation and transformative societal impact. Through a dynamic, inclusive, and future-focused learning environment, TUF empowers graduates to become ethical leaders, pioneering researchers, and globally competent professionals. Its academic strength is reinforced by the University Medical & Dental College and the ISO-certified Madinah Teaching Hospital, where excellence in healthcare education is seamlessly integrated with advanced clinical practice and compassionate community service.

TUF's growing global prominence is reflected in its placement in the 401-600 band of the Times Higher Education Impact Rankings 2026, ranking 4th nationally for its contributions to the United Nations Sustainable Development Goals. The University also ranked among global top 100 universities across different categories in World University Rankings for Innovation (WURI) 2026. Complementing these achievements, TUF's outstanding performance in the UI GreenMetric World University Rankings and the Higher Education Commission's highest "X" category accreditation for its Office of Research, Innovation and Commercialization (ORIC) underscore its unwavering commitment to excellence, innovation, sustainability, and impactful research.



TUF Programs

Faculty of Medicine & Allied Health Sciences

Rehabilitation Sciences

- BS Sports Sciences & Physical Education
- Doctor of Physical Therapy
- MS Physical Therapy
- MS Public Health
- PhD Physical Therapy
- ADP Sports Sciences & Physical Education

Optometry

- BS Optometry
- MPhil Optometry
- PhD Optometry

Radiography & Imaging Sciences

- BS Radiography and Imaging Technology
- MS Diagnostic Ultrasound

Medical Laboratory Sciences

- BS Medical Laboratory Technology
- BS Microbiology
- MPhil Microbiology
- MS Medical Laboratory Sciences

Nutrition & Dietetics

- BS Human Nutrition and Dietetics
- BS Food Science & Technology
- MPhil Dietetics and Nutritional Sciences
- MS Food Science & Technology
- PhD Dietetics and Nutritional Sciences

School of Nursing

- BS Nursing
- BS Nursing (Post RN)

Dermal Sciences

- BS Aesthetics & Skincare Technology

Dental Sciences

- BS Dental Hygiene
- BS Dental Technology

Professional Health Technologies

- BS Anesthesia Technology
- BS Operation Theater Technology
- MS Anesthesia

Psychology

- BS Psychology (Clinical)
- MS Clinical Psychology
- ADP Psychology (Clinical)

Faculty of Management Studies

National Business School

- Bachelor of Business Administration (BBA)
- BBA (Agri Business)
- Post BBA
- BS Accounting & Finance
- BS Accounting & Finance (CAF Qualified)
- BS International Relations
- BS Business Analytics & Intelligence
- BS Digital Media & Broadcast Journalism
- BS Library Sciences & Management
- BS Aviation Management
- BS Hospitality Management
- BS Culinary Arts & Gastronomy
- MBA (Regular)
- MBA (Executive)
- MPhil Sociology
- MPhil International Relations
- MS Agri Business
- MS Management Sciences
- MS Project Management
- MS Risk & Safety Management
- MS Accounting & Finance
- PhD Supply Chain Management
- PhD Management Sciences
- ADP Business Administration
- ADP Accounting & Finance
- ADP Digital Media & Broadcast Journalism

Faculty of Information Technology

- BS Computer Sciences
- BS Computer Arts
- BS Computer Applications
- BS Software Engineering
- BS Artificial Intelligence
- BS Data Sciences
- BS Information Technology
- BS Information Technology & Management
- BS Cyber Security & Big Data
- MS Computer Science
- MS Computing & Data Sciences
- MS Artificial Intelligence
- PhD Computer Science
- ADP Computer Sciences

Faculty of Arts & Social Sciences

Islamic Studies

- BS Islamic Sciences
- MPhil Islamic Studies
- PhD Islamic Studies

Design and Interiors

- Bachelor of Interior Design
- Bachelor of Graphic Design
- Master in Interior Design
- ADP Interior Design
- ADP Graphic Design

English Language and Literature

- BS English
- MPhil English Literature
- MPhil English Linguistics
- PhD English Literature
- ADP English

Urdu

- MPhil Urdu
- PhD Urdu

Education

- MPhil Education
- PhD Education

Faculty of Sciences

Physics

- MS Physics
- PhD Physics

Mathematics

- MPhil Mathematics
- PhD Mathematics

Physiology

- MPhil Physiology
- PhD Physiology

Biochemistry & Biotechnology

- BS Biotechnology
- BS Biochemistry
- MPhil Biochemistry
- MS Biotechnology
- MS Environmental Sciences
- PhD Biotechnology
- PhD Biochemistry
- PhD Environmental Sciences

Faculty of Pharmaceutical Sciences

- Doctor of Pharmacy
- MPhil Pharmaceutics
- MPhil Pharmacology
- MPhil Cosmo Pharmaceutics
- PhD Pharmaceutics
- PhD Pharmacology

Faculty of Law

- Bachelor of Laws (LLB)
- Master in Laws (LLM)



OUR CORE VALUES

TUF reflects the enduring legacy of its founders, whose vision and forward-thinking ideals continue to guide us. A legacy built on visionary ideals, ones that still illuminate the path we walk today. TUF has been honoring the legacy of its founders by upholding the core values—Excellence, Diversity, Synergy, Integrity, and Sustainability. The mission of The University of Faisalabad is to develop not just skilled professionals, but individuals who are capable of leading with purpose, compassion, and a deep sense of responsibility.



Excellence

Dedicated to innovation, impact, and global leadership

- Ranked 197th globally (WURI) & Top 500 (The Impact Rankings 2025)
- Recognized by QS & GreenMetric for research & impact
- 24 years of innovation, social entrepreneurship & leadership



Integrity

Leading with unwavering ethical values in education and healthcare

- A hub of inclusion & global collaboration
- Hosted international delegations worldwide
- A thriving community transforming lives through education



Diversity

Embracing a spectrum of ideas in our pursuit of knowledge

- 80+ global MOUs for research & academics
- Innovative Lyallpur 3.0 showcased 150+ final-year projects
- Empowering students to create real world impact



Synergy

Combining efforts to achieve greater outcomes together

- Ethical & professional excellence in education & outreach
- Leading in healthcare & sustainability initiatives
- Madinah Teaching Hospital: 98.86% score (Punjab Healthcare Commission)



Sustainability

Committed to adopting eco-friendly practices

- Ranked 325th globally (UI GreenMetric)
- Driving SDGs & green initiatives for a better future
- Sustainability embedded in academics, research & community

Quick Facts at a Glance



24 Years of
Academic Excellence



07 Faculties



11000+
Students Enrolled



150+
Class Rooms



16000+
Alumni Network



15+
Associate Programs



95+
Laboratories



35 Bachelor Programs



100+
Academic Programs



24 Departments



35 Master Programs



750+
Bedded Affiliated Hospital for Clinical Training

12:1

Student-Teacher Ratio



16+
Doctoral Programs



30+
Students-led Clubs & Societies



100+
Industry & Community Linkages



1100+
Research Publications

GLOBAL RECOGNITION



A TOTAL OF **2,016 INSTITUTIONS** PARTICIPATED
GLOBALLY ACROSS **105 COUNTRIES**

283TH
WORLD RANKING

160TH
ASIA RANKING

TUF RANKED
7TH POSITION
AMONG ALL PAKISTANI
UNIVERSITIES



The WORLD
UNIVERSITY
RANKINGS
FOR INNOVATION

Ranked Within the Global Top **100** Across Different Categories
Global Rank Top **500** Innovative Universities **296/1253**

A1 Student Support & Engagement **Rank 54**

B2 Empowerment Based Management **Rank 96**

B1 Visionary Leadership **Rank 66**

B2 Digital and AI Transformation in Strategy and Management **Rank 36**



SUSTAINABILITY IMPACT RANKINGS 2026

Ranked
401-600
Globally
3rd AMONG PRIVATE SECTOR
UNIVERSITIES OF PAKISTAN



MEMBERSHIPS

Name of the Organization	Description	Membership Status
Sulitest.org Mainstreaming Sustainability Literacy	Non-profit organization supported by entities of the United Nations - Designed by and for users. Provide ideas related to Sustainabilitythe Sustainable Development Goals (SDGs).	Full Membership
SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK A GLOBAL INITIATIVE FOR THE UNITED NATIONS	The Sustainable Development Solutions Network (SDSN) was launched in 2012 by UN Secretary General Ban Ki-moon to mobilize global scientific and technological expertise to promote practical problem solving for sustainable development and implement.	Full Membership
The SDG Accord The University and College Sector's Collective Response to the Global Goals	To inspire, celebrate and advance the critical role that education has in delivering the Sustainable Development Goals (SDGs) and the value it brings to governments, business and wider society.the Sustainable Development Goals (SDGs).	Signatory Membership
UNITED NATIONS academic impact	The United Nations Academic Impact, also known by its acronym UNAI, is a United Nations initiative to align institutions of higher education.	Full Member Applied to Renew
HESI HIGHER EDUCATION SUSTAINABILITY INITIATIVE	The Higher Education Sustainability Initiative (HESI) is an open partnership between several United Nations entities and the higher education community.	Community Member

ACCREDITATIONS & AFFILIATIONS



HEC
Higher Education Commission



PHEC
Punjab Higher Education Commission



AHPC
Allied Health Professional Council



PCP
Pharmacy Council of Pakistan



NTC
National Technology Council



NBEAC
NBEAC



NCEAC
National Computing Education Accreditation Council



PBC
Pakistan Bar Council



PEC
Pakistan Engineering Council



PHC
Punjab Healthcare Commission



PNC
Pakistan Nursing Council

Message

It is my privilege to welcome you to The University of Faisalabad, where excellence, innovation, and purposeful growth define our journey. Guided by a visionary strategic roadmap, we continue to invest in world-class infrastructure, advanced digital transformation and an academic environment that empowers our students and faculty to excel in an increasingly global landscape.

Our unwavering commitment to quality is reflected in our international standing, including recognition among the Top 400 universities in the Times Higher Education Impact Rankings, Ranked within global top 100 universities across different categories in the WURI Rankings, 283th in the UI GreenMetric World University Rankings, and distinction at the International Green Gown Awards. With over 80 international partnerships, more than 11,000 students representing over 10 nationalities, and a thriving network of 16,000+ alumni, TUF fosters a truly global learning community. Inspired by the humanitarian vision of the Madinah Foundation, we remain committed to educational equity through extensive scholarships and welfare initiatives, ensuring that talent is never constrained by financial circumstances. I invite you to join TUF and become part of a community dedicated to knowledge, leadership, and meaningful societal impact.

Dr Muhammad Haider Amin

Chairman, Board of Governors, TUF

Message

Welcome to The University of Faisalabad, where excellence in education is enriched by a culture that cultivates character, resilience, innovation and visionary leadership; preparing graduates to make a lasting impact on the world.

At TUF, education extends beyond the classrooms, cultivating critical thinking, innovation, ethical leadership and sustainable solutions to the challenges of an evolving world.

Every student's journey is guided by our core values of Integrity, Excellence, Sustainability, Diversity, and Synergy, empowering graduates to lead with competence, responsibility, and purpose across healthcare, technology, business, and public service. Supported by more than 200 industry and corporate partners, our dynamic learning ecosystem has achieved an outstanding 95% graduate employability rate, equipping students with the knowledge, skills and global outlook needed to excel in a rapidly changing world.

This success reflects the unwavering dedication of our distinguished faculty and staff, whose commitment to nurturing talent, leadership and lifelong learning remains the foundation of TUF's continued progress. As you explore this prospectus, I invite you to join a university committed to transforming potential into achievement and preparing graduates to make a meaningful and lasting impact on society.

Dr Muhammad Hamza Amin

Vice Chairman, Board of Governors, TUF

Message

It is an honour to Welcome to The University of Faisalabad, where excellence in education, research, and innovation empowers students to thrive in an increasingly interconnected world. We are committed to providing a transformative learning experience that combines academic rigor, impactful research and global engagement to prepare graduates for leadership and lifelong success.

Through sustained investment in research, faculty development, digital transformation, and interdisciplinary collaboration TUF has cultivated a vibrant academic environment that inspires curiosity, creativity, and innovation. With more than 1,100 research publications and expanding international collaborations, including strategic partnerships across the Middle East and South Asia, our students benefit from exceptional opportunities for global learning, collaborative research, academic mobility, and cross-cultural exchange.

Our greatest strength lies in the collective dedication of our faculty, staff and students, whose pursuit of excellence continues to elevate the University's national and international standing. I invite you to join a dynamic academic community committed to developing competent professionals, responsible global citizens and future leaders equipped to create meaningful and lasting impact.

Prof Dr Aman Ullah Malik

Rector, TUF



Message

Choosing the right university is one of the most important decisions of your life, and at The University of Faisalabad (TUF), we are committed to transforming ambition into achievement. By joining TUF, you become part of a vibrant academic community founded on excellence, innovation, integrity and service to humanity.

Guided by our core values—Integrity, Diversity, Synergy, Sustainability, and Excellence—we provide an inspiring environment where knowledge, character and leadership flourish. With over 100 academic programs offered through 24 departments across seven faculties, supported by modern digital systems, a distinguished research culture, and a dynamic campus experience, TUF equips students with the skills and confidence to excel in an ever-evolving world. Our commitment to experiential learning is further strengthened through Madinah Teaching Hospital, an ISO-certified healthcare institution that offers exceptional practical exposure.

At TUF, learning is a transformative journey that extends far beyond academic excellence. We inspire individuals of integrity, innovation, and purpose, equipping them to lead with confidence and drive positive change in an increasingly interconnected world.

I warmly welcome you to begin this transformative journey with us.

Dr Zahida Maqbool

Registrar, TUF



A Haven of Facilities at The University of Faisalabad

At the University of Faisalabad

We pride ourselves on providing a nurturing environment where students can excel academically, grow personally, and prepare for successful futures. Our institution is not just a place of learning; it's a vibrant community equipped with state-of-the-art facilities aimed at enriching every aspect of student life.



Accommodation facilities

The University of Faisalabad offers secure, fully furnished hostels accommodating around 1400 students, with 24-hour security and essential amenities. With recreational facilities and a conducive environment, TUF hostels foster student interaction and personal growth, ensuring a home away from home experience. We have two residential buildings for male students: Hamza Hostel and Hassan Hostel, which can accommodate a total of 350 students. Additionally, we have Fatima Hostel exclusively for female students.



Transport Facilities

The University of Faisalabad provides outsourced transportation services, ensuring safe and punctual commutes for students, faculty, and staff. With designated pick-up points, students can focus on their studies while we handle the logistics of transportation.

Gallery of Islamic Treasures

Explore our Islamic Gallery at the university library housing rare relics: Naalain-e-Mubarak Naqsh in gold, letters of Prophet Muhammad (SAW), hand-written Quran with silver jacket, RIAZ UL JANNAH carpet piece, and more historical treasures for spiritual enrichment.



State-of-the-Art Auditoria: Where Events Come to Life

Experience Excellence: Our University boasts four spacious, centrally air-conditioned auditoria with seating for up to 1000 guests each. Ideal for conferences, seminars, declamation contests, lectures, and events, equipped with state-of-the-art multimedia, overhead projectors, and sound systems to enhance your experience.



from Central City and easily accessible via the motorway, convenient access for students from neighboring cities

Discover Knowledge Across Countless Campus Libraries

Welcome to the treasure trove of knowledge at The University of Faisalabad! With countless campus libraries brimming with resources, students here have access to a vast array of learning materials. From books to journals, digital archives to research papers, every resource fuels intellectual growth and academic excellence.



Carrels and Study Spaces

Comfortable interiors and innovative furniture create stunning spaces for study. Our refreshing environment attracts users, compelling them to spend time immersed in learning. With study carrels and lounges tailored for faculty and students, we offer an excellent atmosphere conducive to focused study and relaxation, fostering academic success and well-being.

Reference service

We offer reference services to our esteemed faculty, dedicated students, and researchers, supporting their quest for knowledge through online assistance. Researchers submit their demands via email, including research topics, article links, online journals, and requests for soft copies of books to library@tuf.edu.pk. We promptly respond to users' requests, ensuring quick access to the resources they need for their academic pursuits, fostering a culture of learning and research excellence at our institution.

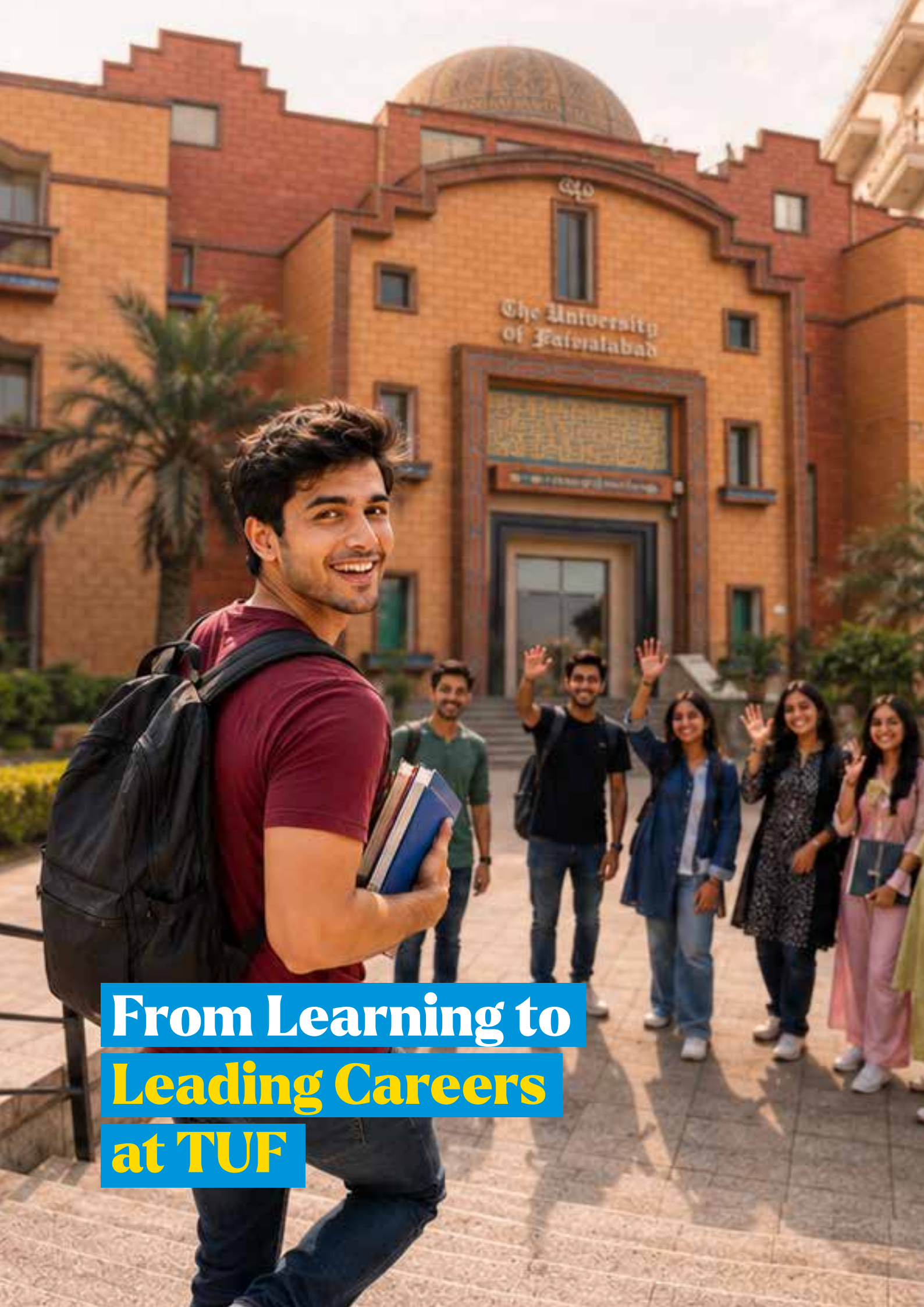
OpenVPN Client GUI

Access through OpenVPN Client GUI Higher Education Commission (HEC) Digital Library serves research scholars, teachers and students and also provides services to HEC employees. The full texts of more than 9000 theses are available online on the HEC Digital Library where users have the option to retrieve information by subject, title, name of researcher, year and name of the university. The HEC Digital Library also provides its users with the facility of Current Contents Services (CSS) and it plays a pivotal role to provide full access of National Digital Library Resources. Turnitin facility for plagiarism purpose has also been started for the scholars.

(OPAC) services

TUF libraries offer Online Public Access Catalogue (OPAC) services, allowing patrons to access library resources online. Users can also book and reserve library materials through the OPAC system, enhancing convenience and accessibility for all library users.





**From Learning to
Leading Careers
at TUF**

Conference Rooms

Three decently furnished state-of-the-art conference rooms having seating capacity of more than 40 persons each with inbuilt sound system are available in the University for Board/Faculty meetings and for organizing training programs, seminars, and workshops with a smaller number of participants.



Digital Resources

Our libraries provide access to thousands of online journals, conference proceedings, and articles, plus 142,000 online books via the HEC's National Digital Library Program, accessible on campus through IP address.



IT Facilities

The ICT department ensures TUF's academic and administrative computing facilities are adequate and efficient. Wi-Fi and cloud computing are available campus-wide, supported by a high-speed Fibre Optic network with 1000 connected workstations across academic and administrative units.



Wave Tufians 96.6 Educational Radio

Launched on October 9, 2014, Wave FM 96.6 broadcasts health, education, and social programs. Eminent scholars and students participate, in delivering talks and interviews on various subjects.



Internet and Wi-Fi

Computers with internet and Wi-Fi connections are available for students and teachers to use for study and research purposes. A team of competent library professionals is always on hand to provide reference and research assistance, ensuring that all users have the support they need for their academic endeavors.



Security

CCTV cameras with night vision features have been installed in the University to ensure full security from all entry points to various sections of the university including teaching and administrative departments. The height of surrounding wall has been increased. Walkthrough gates, metal detectors, turnstile and reflection mirrors have also been installed to have fool proof security arrangements.



WE WILL SUPPORT YOU EVERY STEP OF THE WAY



Advice and Counseling

The University offers comprehensive student support services including Admissions, Placement, IT, HR and Accounts offices to facilitate students. Each student has free access to department heads for advice and counseling, aiding them in personal and academic challenges, and guiding their career decisions during their time at TUF.

Outstanding learning facilities

Our university offers outstanding environments to gain knowledge and hone your skills. You will discover an environment designed to prepare you for life after graduation. To find out more about our facilities, head to:

Flexible approaches to learning

We provide an integrated learning experience for our students, combining physical and virtual learning spaces for lectures, seminars, tutorials and personal study. Students have access to a wide range of online materials, tools and activities including their own personal learning spaces. Many courses are structured to facilitate flexible learning.

Academic learning support

We will help to develop your study skills so you learn more effectively and boost your performance in areas including critical thinking, essay writing and referencing

Helping you to pay for your studies

Whether you are getting to grips with the student loan or exploring potential scholarships and bursaries, we understand how important it is to feel in control of your finances. That is why our dedicated Financial Support team is available to offer friendly and comprehensive guidance on all aspects of student finance. Explore the options and access clear and concise financial information by visiting:

Video Conferencing Facility

Video conferencing facility is available at the University for students to get the exposure of online learning.





Placement Bureau

Message from the Director of the Placement Bureau, TUF

At the Placement Bureau of the University of Faisalabad, we are committed to bridging the gap between academia and industry, ensuring our students are well-prepared the professional world. Our mission is to provide comprehensive career services that empower our students to achieve their career goals. We offer a range of services including career counseling, resume building workshops, mock interviews, and networking opportunities with leading companies. Our dedicated team works tirelessly to cultivate relationships with top employers, ensuring a diverse array of job and internship opportunities for our students.

For our industry partners, we recognize the critical role you play in shaping the future of our graduates. We are committed to fostering mutually beneficial collaborations that not only meet your recruitment needs but also contribute to the professional growth of our students. We invite you to participate in our campus recruitment programs, career fairs, and industry engagement activities.

To our students, your success is our success. We encourage you to take full advantage of the resources and opportunities available through the Placement Bureau. Engage actively in our programs, seek guidance from our counselors, and continuously strive to enhance your skills and knowledge.

Together, let us work towards building a prosperous future for all.

Center of Executive Learning (CEL)

The Center of Executive Learning (CEL) at The University of Faisalabad is committed to empowering professionals, executives, and aspiring leaders with the knowledge, skills, and strategic mindset required to excel in today's dynamic business environment. Through innovative and industry-focused training programs, CEL provides comprehensive learning opportunities in leadership, strategic management, finance, entrepreneurship, negotiation, innovation, and organizational development.

Our programs are delivered by experienced academics and industry professionals, combining academic excellence with practical, real-world insights to ensure a meaningful and impactful learning experience. By emphasizing critical thinking, problem-solving, and professional growth, CEL prepares participants to address contemporary business challenges with confidence and competence.

As a hub for executive education and lifelong learning, CEL bridges the gap between theory and practice, enabling individuals to enhance their professional capabilities and contribute effectively to organizational success. At CEL, we are dedicated to developing visionary leaders who drive innovation, inspire excellence, and create lasting value for their organizations and society.





Madinah Teaching Hospital

Established over three decades ago, Madinah Teaching Hospital (MTH) is a 600-bed tertiary care teaching hospital affiliated with the University Medical and Dental College (UMDC) and The University of Faisalabad (TUF). Recognized by PMDC, UHS, CPSP, PNC, and licensed by the Punjab Healthcare Commission (PHC), MTH provides advanced clinical training and modern facilities for students across medicine, dentistry, pharmacy, allied health sciences, and nursing.

MTH delivers comprehensive, high-quality healthcare services, including specialized diagnostic and surgical care, while serving thousands of patients each month, particularly from underserved communities. With a commitment to excellence in patient care, medical education, and research, the hospital has earned multiple Corporate Social Responsibility Awards and actively contributes to national healthcare initiatives through its dedicated team of healthcare professionals.

“The University of Faisalabad provides in-house training to its allied health sciences students through Madinah Teaching Hospital, ensuring hands-on experience and high-quality education in a real-world healthcare setting”

Empowering Students, Strengthening Communities



Faculty of Pharmaceutical Sciences

Welcome to the Faculty of Pharmaceutical Sciences at The University of Faisalabad, where innovation meets excellence. Our cutting-edge programs and research facilities foster a deep understanding of pharmaceutical sciences, equipping students with the knowledge and skills to excel in drug development, clinical practices, and health solutions. Join us in shaping the future of healthcare.

Vision

Becoming a global leader in pharmacy education, research and practice with the ultimate goal of providing the best patient care, and innovative drug development.

Mission

TUF Faculty of Pharmaceutical sciences are committed to prepare professionals who can fulfill the growing healthcare needs of the society and provide standard pharmaceutical care. Guiding principles are personal integrity, respect for humanity and professionalism.

| Programs Offered

Department of Pharmacy

- Doctor of Pharmacy
- MPhil Pharmaceutics
- MPhil Pharmacology
- MPhil Cosmo Pharmaceutics
- PhD Pharmaceutics
- PhD Pharmacology



At TUF, we are committed to shaping future pharmacists who lead with innovation, research, and ethical practice. Our programs combine advanced scientific knowledge with practical skills, preparing students to contribute meaningfully to healthcare and society.

Through a holistic learning environment, we foster critical thinking, lifelong learning, and professional excellence. Guided by experienced educators and researchers, our students are empowered to drive positive change in healthcare while upholding the values of integrity, compassion, and service.

Prof Dr Saba Tariq

Dean, Faculty Pharmaceutical Sciences



Doctor of Pharmacy

Department of Pharmacy

Short Title: Pharm-D

Study Level: Undergraduate

Duration: 10 Semesters (5 years)

Credit Hours: 21

Eligibility: Intermediate Pre-Medical with minimum 60% marks or equivalent

Introduction

The Doctor of Pharmacy (Pharm D) program at The University of Faisalabad is a five-year professional degree that equips students with advanced knowledge of medicines, clinical pharmacy, and patient care. Combining classroom instruction, laboratory work, hospital exposure, and research, the program prepares graduates to excel in healthcare, pharmaceutical industries, and community pharmacy roles.

Why Choose Doctor of Pharmacy at TUF?

This program offers a comprehensive learning experience blending theoretical knowledge with practical skills. Students receive hands-on training in modern laboratories and gain real-world exposure through clinical rotations, hospital internships, and community pharmacy practice. The curriculum emphasizes ethical practice, patient counselling, drug safety, and evidence-based healthcare. With strong guidance from experienced faculty and access to advanced research projects, graduates develop critical thinking, problem solving and professional communication skills essential for a successful career in pharmacy.

Program Objectives

- Deliver patient-centered care and promote population health awareness.
- Train students in the safe and rational use of medicines to minimize medication errors.
- Build expertise in pharmaceutical manufacturing, quality assurance, and novel drug delivery systems.
- Prepare students for academic, clinical, research, and professional roles in pharmacy practice.

Career Scope & Opportunities

- Hospital Pharmacist: Dispensing, therapeutic monitoring, and patient counselling.
- Industrial Pharmacist: Production, quality assurance, research & development.
- Community Pharmacist: Pharmacy management and public health services.
- Academic & Research Roles: Teaching, clinical research, and pharmaceutical studies.
- Regulatory & Clinical Services: Drug safety evaluation, inspections, and advisory roles in drug courts.

Training, Practical & Research Components

- Clinical rotations in hospitals for patient counselling, dispensing, and therapeutic monitoring.
- Industrial training in pharmaceutical production, quality control, and research & development.

- Laboratory work using state-of-the-art equipment and techniques.
- Research projects focused on pharmacology, drug safety, and innovative healthcare solutions.
- Community pharmacy practice, including public health education and poison control services.

Doctor of Pharmacy – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
Pharm-310	Pharmaceutics IA (Physical Pharmacy)	4(3-1)
Pharm-312	Pharmaceutical Chemistry-IIA (Biochemistry)	4(3-1)
Pharm-313	Physiology A	4(3-1)
ENG-107	Functional English	3(3-0)
ISL-102	Islamic Studies/Ethics	2(2-0)
GEN 105	Creative Arts	2(2-0)
ISL-103	Teaching of Holy Quran with Translation-I	NC
Credit Hours		19

Semester II

Course Code	Course Title	Credit Hours
PHARM-315	Pharmaceutics-IB (Physical Pharmacy)	4(3-1)
PHARM-317	Pharmaceutical Chemistry-IIIB (Biochemistry)	4(3-1)
PHARM-318	Physiology B	4(3-1)
ENG-108	Expository writing	3(3-0)
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technology	3(2-1)
ISL-104	Teachings of Holy Quran - II	NC
Credit Hours		20

Semester III

Course Code	Course Title	Credit Hours
PHARM-410	Pharmaceutics-IIA (Dosage Form Science)	4(3-1)
PHARM-412	Pharmacology and Therapeutics- IA	4(3-1)
PHARM-414	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3(3-0)
PHARM-311	Pharmaceutical Chemistry -IA (Organic)	4(3-1)
GEN-206	Entrepreneurship	2(2-0)
ISL-201	Teachings of Holy Quran - III	NC
PHARM-413	Pharmacognosy IA (Basic)	4(3-1)
Credit Hours		21

Semester IV

Course Code	Course Title	Credit Hours
PHARM-415	Pharmaceutics-IIIB (Dosage Forms Science)	4(3-1)
PHARM-417	Pharmacology and Therapeutics-IB	4(3-1)
PHARM-314	Anatomy & Histology	4(3-1)
PHARM-316	Pharmaceutical Chemistry-IB (Organic)	4(3-1)
STAT-302	Biostatistics	3(3-0)
ISL-202	Teachings of Holy Quran - IV	NC
PHARM-418	Pharmacognosy IB (Basic)	4(3-1)
Credit Hours		23

Semester VII

Course Code	Course Title	Credit Hours
PHARM-610	Pharmacy Practice-IVA (Hospital Pharmacy)	3(3-0)
PHARM-611	Pharmacy Practice- VA (Clinical Pharmacy)	4(3-1)
PHARM-612	Pharmaceutics-IVA (Industrial Pharmacy)	4(3-1)
PHARM-613	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	4(3-1)
PHARM-614	Pharmaceutics-VIA (Pharmaceutical Quality Management)	4(3-1)
PHARM-515	Pharmacy Practice- IIB (Community Social & Administrative Pharmacy)	3(3-0)
Credit Hours		22

Semester VIII

Course Code	Course Title	Credit Hours
PHARM-616	Pharmacy Practice- VB (Clinical Pharmacy)	4(3-1)
PHARM-617	Pharmaceutics-IVB (Industrial Pharmacy)	4(3-1)
PHARM-618	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	4(3-1)
PHARM-619	Pharmaceutics-VIB (Pharmaceutical Quality Management)	4(3-1)
PHARM-615	Pharmacy Practice-IVB (Hospital Pharmacy)	3(3-0)
Credit Hours		19

Summer Internship

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
No course will be enrolled during Internship		



Semester IX		
Course Code	Course Title	Credit Hours
PHARM-710	Pharmaceutics-VIIA (Pharmaceutical Technology)	4 (3-1)
PHARM-711	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	4 (3-1)
PHARM-712	Pharmacy Practice-VIIA (Forensic Pharmacy)	3 (3-0)
PHARM-713	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3 (3-0)
PHARM-714	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	4 (3-1)
GEN-310	Research Methodology	3 (3-0)
Credit Hours		21

Semester X		
Course Code	Course Title	Credit Hours
PHARM-715	Pharmaceutics- VIIIB (Pharmaceutical Technology)	4 (3-1)
PHARM-716	Pharmacy Practice-VIIB (Advanced Clinical Pharmacy-II)	4 (3-1)
PHARM-717	Pharmacy Practice-VIIB (Forensic Pharmacy)	3 (3-0)
PHARM-718	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3 (3-0)
PHARM-719	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	4 (3-1)
GEN-402	Research Project	3 (0-3)
Credit Hours		21
Grand Total		209
Total Practical Credit Hours		42

Frequently Asked Questions (FAQs)

1. Who can apply for Pharm D?

Students with FSc Pre-Medical, A-Levels, or equivalent qualifications.

2. How long is the program?

5 years, including clinical training, laboratory work, and research projects.

3. Does the program include practical training?

Yes, students gain hands-on experience in hospitals, labs, industry, and community pharmacies.

4. What career opportunities are available after Pharm D?

Graduates can become clinical pharmacists, industrial pharmacists, researchers, educators, or regulatory specialists.

5. Is the degree recognized?

Yes, it is recognized by the Pakistan Pharmacy Council, allowing professional registration and practice.



MPhil Pharmaceutics

Department of Pharmacy

Short Title: MPPCU

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 31

Eligibility: 16 years of education, Basic degree in Pharmacy (B.Pharm/Pharm-D) from a Pharmacy institute recognized by Pharmacy Council of Pakistan. Min CGPA 2.5 /4.0, or minimum marks 50% marks in annual system. GAT/HAT General/TUF Entry Test with minimum 50% score.

Introduction

The M.Phil in Pharmaceutics at The University of Faisalabad is a two-year postgraduate program designed to develop advanced expertise in drug formulation, dosage design, and pharmaceutical product evaluation. The program emphasizes hands-on research, modern pharmaceutics, and practical applications in drug delivery, preparing students for leadership roles in healthcare, pharmaceutical industries, and research institutions.

Why Choose MPhil Pharmaceutics at TUF?

This program provides a research-driven environment where students learn from highly qualified faculty. Access to modern laboratories and advanced analytical instruments ensures practical exposure in formulation science, controlled drug delivery, and biopharmaceutics. Strong collaborations with pharmaceutical industries and research institutes allow students to apply theoretical knowledge to real-world challenges. The curriculum

also emphasizes scientific innovation, ethical practice, and professional development, preparing graduates for academia, R&D, regulatory affairs, and quality assurance roles for a successful career in pharmacy.

Program Objectives

- Train students in the advanced formulation and evaluation of pharmaceutical products.
- Develop research skills in drug delivery systems, industrial pharmacy, and biopharmaceutics.
- Promote innovative and ethical scientific research in pharmaceutics.
- Equip graduates to meet industry, regulatory, and healthcare standards.

Career Scope & Opportunities

- Eligible for university lecturer positions and potential promotion to Assistant Professor with experience.
- Opportunities in research and development departments of multinational and local pharmaceutical organizations.
- Conduct analytical evaluations and quality testing of pharmaceutical products in drug testing laboratories.
- Apply pharmaceutical expertise in forensic testing and research at the Punjab Forensic Science Agency.
- Contribute to drug, food, and agriculture regulatory oversight at the Punjab Agriculture Food & Drug Authority (PAFDA).
- Serve in primary, secondary, and tertiary care hospitals to address pharmaceutical needs and

implement drug safety measures.

Training, Practical & Research Components

- Hands-on laboratory experience in formulation development and dosage evaluation.
- Research projects focused on nanotechnology, controlled release, and drug stability.
- Industrial internships to understand production, quality control, and manufacturing processes.
- Analytical skill development using modern instruments for pharmaceutical testing.
- Thesis-based research leading to a defendable scientific contribution in pharmaceuticals.

MPhil Pharmaceutics – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PCU-801	Advanced Pharmaceutics-I	3(2-1)
STAT-701	Biostatistics	3(3-0)
BIOC-701	Advanced Biochemical Techniques	3(1-2)
GEN-700	Advanced Research Methodology	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
PCU-811	Advanced Pharmaceutics-II	3(2-1)
PCU-812	Advanced Pharmaceutics-III	3(2-1)
PCU-xxx	Elective-I	3(3-0)
PCU-xxx	Elective-II	3(3-0)
PCU-819	Seminar	1(0-1)
Credit Hours		13

Semester III & IV		
Course Code	Course Title	Credit Hours
PCU-820	Thesis	6 (0-6)
Credit Hours		31

List of Elective Courses		
Course Code	Course Title	Credit Hours
PCU-813	Advanced Clinical Pharmacy	3(3-0)
PCU-814	Advanced Pharmaceutical Microbiology and Biotechnology	3(2-1)
PCU-815	Cosmetology	3(3-0)
PCU-816	Biologicals	3(3-0)
PCU-817	Contemporary Pharmaceutics	3(3-0)
Credit Hours		13

Frequently Asked Questions (FAQs)

1. What is the duration of the MPhil Pharmaceutics program?

2 years (4 semesters), including coursework, research, and thesis submission.

2. What is the eligibility for admission?

Doctor of Pharmacy (BPharm/PharmD) from a recognized institution with the required CGPA or percentage.

3. Does the program include research?

Yes, completing and defending a research thesis is mandatory.

4. What practical experience will students gain?

Laboratory training, industrial internships, analytical testing, and formulation development.

5. What career options are available after MPhil Pharmaceutics?

Academic teaching, pharmaceutical R&D, regulatory affairs, drug testing, clinical research, and public or private healthcare roles.



MPhil Pharmacology

Department of Pharmacy

Short Title: MPPCO

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 31

Eligibility: 16 years of education, Basic degree in Pharmacy (B.Pharm/Pharm-D) from a Pharmacy institute recognized by Pharmacy Council of Pakistan. Min CGPA 2.5 /4.0, or minimum marks 50% marks in annual system. GAT/HAT General/TUF Entry Test with minimum 50% score

Introduction

The MPhil in Pharmacology at the Department of Pharmacy, The University of Faisalabad, is a research-focused postgraduate program designed to provide advanced training in drug action, therapeutic mechanisms, and development of novel pharmacological agents. The program integrates theoretical knowledge, hands-on laboratory training, and independent research to equip students with practical skills for careers in academia, healthcare, and pharmaceutical research.

Why Choose MPhil Pharmacology at TUF?

Studying MPhil Pharmacology at TUF allows students to gain expertise in pharmacological research, clinical practice, and innovative drug development under the guidance of experienced faculty. The program combines advanced laboratory training, practical problem-solving, and structured research projects, fostering analytical skills and ethical practices. Students also gain exposure

to modern pharmacological techniques, data analysis, and interdisciplinary applications, preparing them for real-world challenges in pharmaceutical sciences and healthcare and professional development, preparing graduates for academia, R&D, regulatory affairs, and quality assurance roles for a successful career in pharmacy.

Program Objectives

The program aims to develop critical knowledge and research capabilities in pharmacology, aligned with HEC's mission for quality, access, and relevance. Graduates are trained to conduct scientific investigations, design experiments, implement safe and effective pharmacological practices, and contribute to innovative drug therapy solutions.

Career Scope & Opportunities

- Eligible for university lecturer positions and potential promotion to Assistant Professor with experience.
- Opportunities in research and development departments of multinational and local pharmaceutical companies.
- Conduct analytical evaluations, quality control, and safety testing in drug testing laboratories.
- Apply pharmacology expertise in forensic testing and research at Punjab Forensic Science Agency.
- Contribute to regulatory oversight in drug, food, and agriculture sectors at Punjab Agriculture Food & Drug Authority (PAFDA).

- Serve in primary, secondary, and tertiary care hospitals, implementing safe pharmacological practices and patient-centered care.
- Engage in clinical pharmacy training, internships, and supervised research projects to strengthen practical and investigative skills.

List of Elective Courses

Course Code	Course Title	Credit Hours
PCO-802	Cardiovascular Pharmacology	3(3-0)
PCO-804	Basic Neuro Pharmacology	3(3-0)
PCO-812	Autacoids	3(3-0)
PCO-813	Endocrinology	3(3-0)
PCO-815	Central nervous system	3(3-0)

Training, Practical & Research Components

- **Hands-on Laboratory Training:** Students perform advanced pharmacological experiments using state-of-the-art equipment.
- **Clinical Practice Exposure:** Practical experience in hospitals and community healthcare settings to understand drug administration, patient counseling, and therapeutic monitoring.
- **Independent Research:** Guided research projects culminating in a thesis, developing analytical, problem-solving, and scientific communication skills.
- **Internships & Workshops:** Opportunities to work in research institutions, pharmaceutical companies, and regulatory agencies to bridge theory with real-world applications.

MPhil Pharmacology – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
STAT-701	Biostatistics	3(3-0)
BIOC-701	Advanced Biochemical Techniques	3(1-2)
PCO-801	Advance Pharmacology- I	3(2-1)
GEN-700	Advanced Research Methodology	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hour
PCO-803	Advance Pharmacology- II	3(2-1)
PCO-811	Advance Pharmacology- III	3(2-1)
	Elective I	3(3-0)
	Elective II	3(3-0)
PCO-819	Seminar	1(1-0)
Credit Hours		12

Semester-III & IV

Course Code	Course Title	Credit Hours
PCO-820	Thesis	6(0-6)
Credit Hours		6
Grand Total		31

Frequently Asked Questions (FAQs)

1. What is the duration of the MPhil Pharmacology program?

The program is 2 years (4 semesters), including coursework, laboratory practice, and research thesis.

2. What are the eligibility requirements for admission?

Candidates must have a BPharm or PharmD degree with required CGPA or marks and pass the relevant entry test.

3. Does the program include practical training and research?

Yes, it integrates hands-on laboratory practice, clinical training, and independent research leading to a thesis.

4. What career opportunities are available after completing M.Phil. Pharmacology?

Graduates can work in academia, pharmaceutical R&D, clinical research, regulatory affairs, drug safety, and healthcare services.

5. Is completing a research thesis mandatory?

Yes, students must complete and defend a research thesis to qualify for the degree.



MPhil

Cosmo-Pharmaceutics

Department of Pharmacy

Short Title: MPCPC

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 31

Eligibility: 60% or 2.75 cGPA in Pharm-D, MBBS, BS Dermal Technology, BS Dermal Sciences, Doctor of Dermal Sciences, BS Biochemistry, or equivalent degree and 50% marks in GAT test.

Introduction

The MPhil Cosmo-Pharmaceutics program at the Department of Pharmacy, The University of Faisalabad, is a research-oriented postgraduate degree that integrates pharmaceutical sciences with cosmetic technology. The program equips students with advanced skills in formulation, evaluation, and regulatory aspects of cosmetic and dermatological products, preparing them for careers in research, industry, and academia.

Why Choose MPhil Cosmo-Pharmaceutical at TUF?

Studying MPhil Cosmo-Pharmaceutics at TUF provides students with a strong foundation in cosmeceutical science through research-led teaching, modern laboratories, and guidance from experienced faculty. The program emphasizes practical formulation skills, innovative product development, and ethical practices. Students gain exposure to dermal pharmacology, novel delivery systems, quality assurance, and regulatory frameworks, building expertise to meet industry standards and global market demands.

Program Objectives

The program aims to:

- Apply advanced pharmaceutical and cosmetic science principles in product formulation.
- Evaluate the safety, efficacy, and stability of cosmetic and dermatological products.
- Develop innovative cosmeceutical products with therapeutic and aesthetic benefits.
- Integrate pharmaceutical knowledge with cosmetic technologies for research and industry applications.
- Navigate regulatory, ethical, and quality requirements in product development.

Career Scope & Opportunities

- Careers in research and development to create innovative cosmetic and dermatological products
- Roles in quality assurance and quality control to ensure compliance with industry standards
- Opportunities in regulatory affairs for product approvals and legal compliance
- Positions as formulation scientists designing and optimizing delivery systems and products
- Product management, marketing, and entrepreneurship in the cosmeceutical and personal-care sectors

Training, Practical & Research Components

- Hands-on laboratory practice to formulate, test, and evaluate cosmetic products
- Independent research projects under faculty supervision to develop analytical and scientific skills
- Internships and industry workshops to apply knowledge in real-world cosmetic and pharmaceutical settings
- Training in clinical and dermatological applications to ensure safe and effective product usage
- Exposure to modern analytical techniques, data interpretation, and formulation problem-solving

MPhil Cosmo-Pharmaceutics Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
CPC- 701	Derma-Ceuticals	3(2-1)
CPC- 702	Natural Products in Cosmo-Pharmaceutics	3(2-1)
STAT-701	Biostatistics	3(3-0)
GEN-700	Advanced Research Methodology	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hour
CPC- 711	Testing of Skin and skin Care Products	3(2-1)
CPC-712	Cosmetic Microbiology	3(2-1)
	Elective-I	3(3-0)
	Elective-II	3(3-0)
PCU-819	Seminar	1(1-0)
Credit Hours		13

Semester-III & IV		
Course Code	Course Title	Credit Hours
PCU-820	Thesis	6(0-6)
Credit Hours		6
Grand Total		31

List of Elective Courses		
Course Code	Course Title	Credit Hours
CPC-713	Nano-Technology in Dermatology	3(2-1)
CPC-714	Advanced Hair Care Science	3(2-1)
CPC-715	Beauty Formulations in Cosmo-Pharmaceutics	3(3-0)
CPC-716	Anti-Aging Therapies	3(2-1)

Frequently Asked Questions (FAQs)

- 1. What is the duration of the MPhil Cosmo-Pharmaceutics program?**
The program typically lasts 1.5–3 years, including coursework, research, and thesis submission.
- 2. What are the eligibility criteria for admission?**
Applicants must have a Pharm-D or BS in Dermal Sciences/BS Dermal Technology, Microbiology, or Biochemistry with at least 50% marks or 2.75 CGPA, and pass the GAT test.
- 3. Is there a processing fee for admission?**
No, there is no processing fee at the time of admission.
- 4. What career opportunities are available after completing this program?**
Graduates can work in R&D, quality assurance, regulatory affairs, product formulation, academia, clinical research, or start their own cosmeceutical businesses.
- 5. Is research mandatory for the degree?**
Yes, students must complete and defend an original research thesis to qualify for the degree.



Department of Pharmacy

Short Title: PhDPCU

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 25

Eligibility:

- MS/MPhil (18 years of education in Pharmaceutics with research) or equivalent degree from HEC recognized university with a minimum 3.00/4.00 CGPA in the semester system or 60% marks in the annual system.
- The Graduate Record Examination (GRE) test administered by the Education Testing Service, a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to pass

Introduction

The PhD in Pharmaceutics at the Department of Pharmacy, The University of Faisalabad, is a research-intensive doctoral program that develops advanced expertise in drug formulation, delivery systems, and therapeutic innovation. The program combines rigorous coursework with hands-on laboratory research, providing students with the skills needed to contribute to academia, pharmaceutical industries, and healthcare innovation globally.

Why Choose PhD Pharmaceutics at TUF?

Studying PhD Pharmaceutics at TUF equips students with comprehensive knowledge of modern

pharmaceutics and the ability to conduct high-level research. The program emphasizes experimental design, analytical techniques, and scientific problem-solving under guidance from experienced faculty. Students gain exposure to emerging trends such as controlled release systems, nanotechnology, biopharmaceutics, and regulatory practices, preparing them for leadership roles in research, education, and industry. also emphasizes scientific innovation, ethical practice, and professional development, preparing graduates for academia, R&D, regulatory affairs, and quality assurance roles. for a successful career in pharmacy.

Program Objectives

The PhD Pharmaceutics program aims to:

- Develop expertise in drug delivery, pharmacokinetics, pharmacodynamics, and cell biology
- Train students to execute original research and innovative pharmaceutical projects
- Equip graduates to apply scientific principles in formulation, therapeutic development, and patient care
- Prepare scholars for professional leadership in academic, industrial, or regulatory settings
- Foster critical thinking, ethical practices, and advanced problem-solving skills in pharmaceutical research

Career Scope & Opportunities

- Academia and research institutions, including

- universities and specialized research centers
- Pharmaceutical and biotech industries in R&D, quality control, and product development
- Regulatory bodies such as DRAP and PAFDA for compliance, approvals, and drug safety oversight
- Clinical and translational research, including clinical trials, pharmacovigilance, and patient-centered studies
- Consultancy and advisory roles in formulation design, drug safety, and therapeutic innovation

Training, Practical & Research Components

- Advanced laboratory training in formulation development, drug testing, and product evaluation
- Supervised research projects to develop independent scientific inquiry and analytical skills
- Exposure to real-world pharmaceutical processes through internships, workshops, and collaborations with industry
- Hands-on experience in pharmacokinetic, pharmacodynamic, and biopharmaceutical studies
- Participation in seminars, conferences, and scientific writing to enhance communication and research dissemination

PhD Pharmaceutics – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
PCU-901	Current Pharmaceutical Technology	3(2-1)
PCU-902	Advance Bio Pharmaceutics	3(2-1)
STAT-903	Design and Analysis of Experiments for Researchers	3(3-0)
Credit Hours		09

Semester II

Course Code	Course Title	Credit Hours
GEN-800	Advanced Research Methodology	3(3-0)
	Elective I	3(3-0)
	Elective II	3(3-0)
PCU-919	Seminar	1(0-1)
Credit Hours		10

Semester III to VI (Comprehensive Examination in semester III (required for candidacy of PhD))

Course Code	Course Title	Credit Hours
PCU-920	Thesis	6(0-6)
Credit Hours		6
Grand Total		25

List of Elective Courses

Course Code	Course Title	Credit Hours
PCU-911	Pharmaceutical Care	3(3-0)
PCU-912	Bio Pharmaceuticals	3(2-1)
PCU-913	Rate Controlled Drug Delivery system	3(3-0)
PCU-914	Modern Pharmaceutics	3(3-0)
PCU-915	Biotechnology and drug delivery	3(3-0)
PCU-916	Advanced Pharmaceutical Technology	3(3-0)
PCU-917	Cosmeceuticals and Nutraceuticals	3(3-0)

Frequently Asked Questions (FAQs)

1. What is the duration and credit structure of the PhD Pharmaceutics program?

The program typically spans 3 years with a total of 24 credit hours, including coursework, research, and thesis completion.

2. What are the eligibility requirements for admission?

Applicants must hold an MPhil or equivalent degree in Pharmaceutics, Pharmacy, or related fields with a minimum CGPA of 3.0/4.0 or 60% marks, and pass GRE/HAT General or TUF Entry Test with at least 60%.

3. Does the program include practical training and research?

Yes, the program integrates laboratory practice, independent research, and industry exposure to strengthen practical and investigative skills.

4. What career opportunities are available after completing PhD Pharmaceutics?

Graduates can pursue careers in academia, pharmaceutical R&D, regulatory affairs, clinical research, and consultancy roles in both public and private sectors.

5. Is hostel accommodation available?

Yes, TUF offers fully furnished hostel facilities for both male and female students.



PhD Pharmacology

Department of Pharmacy

Short Title: PhDPCO

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 25

Eligibility:

- MS/MPhil (18 years of education in Pharmacology with research) or equivalent degree from HEC recognized university with a minimum 3.00/4.00 CGPA in the semester system or 60% marks in the annual system.
- The Graduate Record Examination (GRE) test administered by the Education Testing Service, a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to pass

Introduction

The PhD in Pharmacology at the Department of Pharmacy, The University of Faisalabad, is a research-intensive doctoral program designed to develop expertise in drug mechanisms, therapeutic applications, and pharmacological innovation. The program integrates advanced theoretical knowledge with practical laboratory training and independent research, preparing graduates to contribute to academia, pharmaceutical industries, healthcare organizations, and regulatory bodies.

Why Choose PhD Pharmacology at TUF?

The PhD Pharmacology program at TUF combines rigorous coursework with hands-on research to cultivate advanced skills in drug discovery, clinical pharmacology, and translational research. Students work closely with experienced faculty, engage in experimental design, and apply cutting-edge techniques in molecular, cellular, and systemic pharmacology. The program also emphasizes ethical research, scientific communication, and exposure to modern pharmacological technologies, preparing graduates for leadership roles in research, teaching, and industry.

Program Objectives

The PhD Pharmacology program aims to:

- Develop advanced knowledge in pharmacokinetics, pharmacodynamics, and drug safety
- Train graduates to conduct original research in drug action, therapeutic mechanisms, and clinical applications
- Equip students to lead innovative projects in pharmaceutical sciences, healthcare, and biotechnology
- Foster analytical thinking, problem-solving, and ethical scientific practices
- Prepare scholars for academic, industrial, and regulatory leadership positions

Career Scope & Opportunities

- Academic and research institutions including universities and specialized research centers
- Pharmaceutical and biotech industries focusing on research and development, regulatory affairs, and quality control
- Government and regulatory bodies including DRAP, PAFDA, and WHO for drug safety, policy development, and compliance
- Clinical research, patient-centered pharmacology, and pharmacovigilance roles in healthcare settings
- Consultancy and advisory roles in drug development, pharmacological studies, and therapeutic innovation

PhD Pharmacology – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PCO-901	Endocrine Pharmacology	3(2-1)
PCO-902	Cardiovascular Pharmacology	3(2-1)
STAT-903	Design and Analysis of Experiments for Researchers	3(3-0)
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
GEN-800	Advanced Research Methodology-1	3(3-0)
	Elective I	3(3-0)
	Elective II	3(3-0)
PCO-919	Seminar	1(1-0)
Credit Hours		10

Semester III to VI (Comprehensive Examination in semester III required for candidacy of PhD)		
Course Code	Course Title	Credit Hours
PCO-920	Thesis	6(0-6)
Credit Hours		6
Grand Total		25

List of Elective Courses		
Course Code	Course Title	Credit Hours
PCO-911	Cell Signaling Pathways	3(3-0)
PCO-912	Advanced Pharmacological Techniques	3(2-1)
PCO-913	Toxicology and therapeutics	(3-0)
PCO-914	Clinical Pharmacology	(3-0)
PCO-915	Gastro intestinal Pharmacology	(3-0)
PCO-916	Immuno-Pharmacology	(3-0)
PCO-917	Neuropharmacology	(3-0)

Frequently Asked Questions (FAQs)

1. What is the duration and credit structure of the PhD Pharmacology program?

The program typically spans 3 years with a total of 24 credit hours, including coursework, research, and thesis completion.

2. What are the eligibility requirements for admission?

Applicants must hold an MPhil or equivalent degree in Pharmacology or related fields with a minimum CGPA of 3.0/4.0 or 60% marks, and pass GRE/HAT General or TUF Entry Test with at least 60%.

3. Does the program include practical training and research?

Yes, it integrates laboratory practice, clinical training, and independent research leading to a thesis.

4. What career opportunities are available after completing PhD Pharmacology?

Graduates can pursue careers in academia, pharmaceutical and biotech R&D, clinical research, regulatory affairs, and consultancy.

5. Is hostel accommodation available?

Yes, TUF provides fully furnished hostel facilities for both male and female students.





Faculty of Sciences

Faculty of Sciences at TUF is committed to nurturing inquisitive minds and fostering groundbreaking research. With a wide array of programs, we prepare students to tackle global challenges, equipping them with the knowledge and skills needed for success in scientific fields.

Programs Offered

Department of Physics

- MS Physics
- PhD Physics

Department of Mathematics

- MPhil Mathematics
- PhD Mathematics

Department of Physiology

- MPhil Physiology
- PhD Physiology

Department of Biochemistry & Biotechnology

- BS Biotechnology
- BS Biochemistry
- MPhil Biochemistry
- MS Biotechnology
- MS Environmental Science
- PhD Biotechnology
- PhD Biochemistry
- PhD Environmental Science

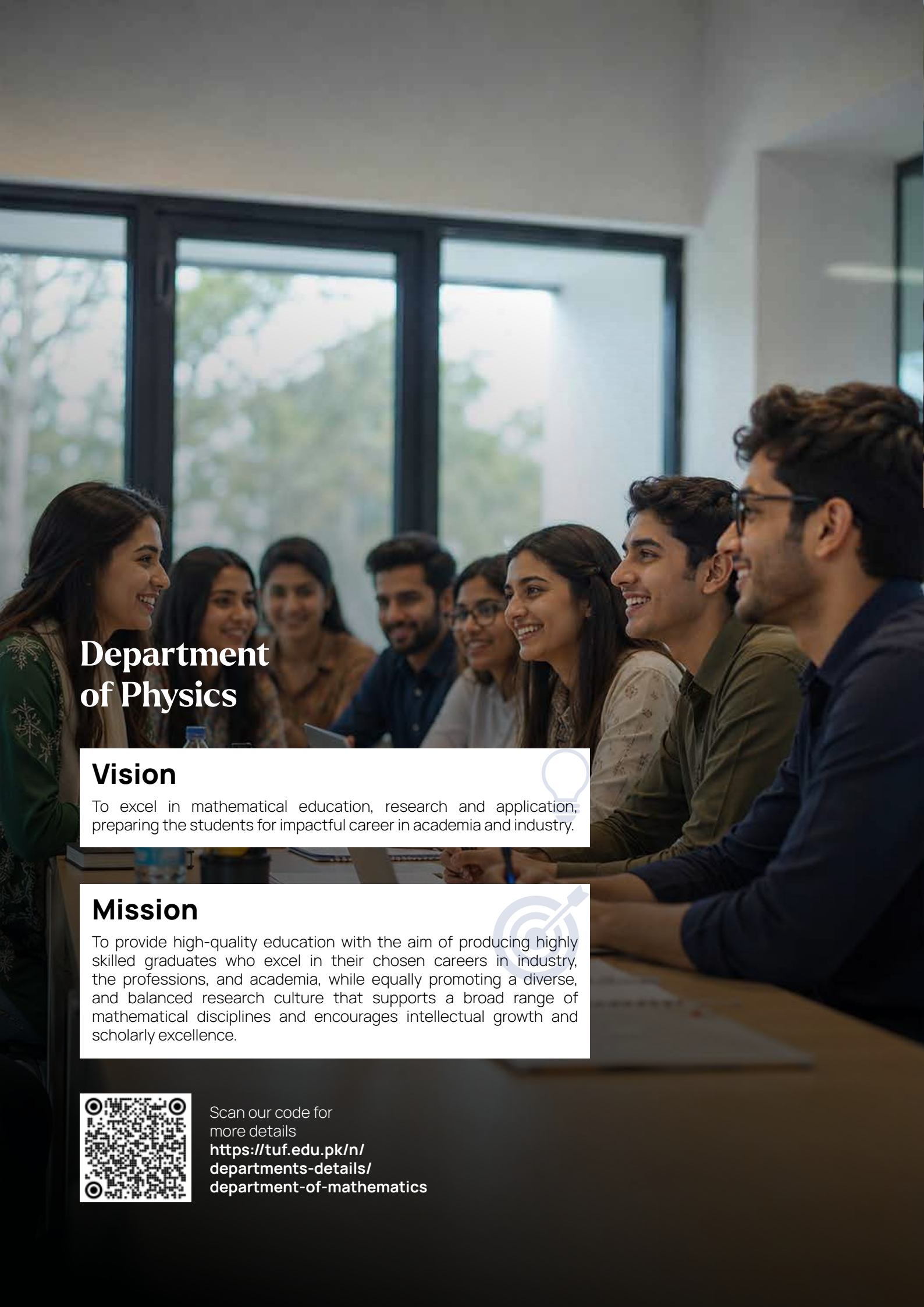


Welcome to the Faculty of Sciences at The University of Faisalabad, where curiosity inspires discovery and knowledge drives innovation. We provide a dynamic learning environment that combines strong theoretical foundations with practical experience, preparing students to excel in science, research, and professional careers.

Guided by experienced faculty and a curriculum aligned with national and international standards, students develop critical thinking, analytical skills, and research expertise. At TUF, we view science as a powerful tool for understanding the world and creating positive change, empowering graduates to shape a brighter future.

Prof Dr Tahira Iqbal

Dean, Faculty of Sciences



Department of Physics

Vision

To excel in mathematical education, research and application, preparing the students for impactful career in academia and industry.

Mission

To provide high-quality education with the aim of producing highly skilled graduates who excel in their chosen careers in industry, the professions, and academia, while equally promoting a diverse, and balanced research culture that supports a broad range of mathematical disciplines and encourages intellectual growth and scholarly excellence.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/departments-of-mathematics>



MS Physics

Department of Physics

Short Title: MSPHY
Study Level: Undergraduate
Duration: 4 Semester (2 Years)
Credit Hours: 31
Eligibility: Master/BS four-year degree in Physics with a minimum CGPA 2.0 out of 4.00 in the semester system or 45% marks in the annual system. GAT (General)/TUF Entry Test with a minimum 50% score

Introduction

The MS Physics program at TUF is a 2-year advanced degree that bridges the gap between undergraduate studies and high-level research. It provides a deep dive into the fundamental laws governing the universe.

Why choose MS Physics at TUF?

- Choosing MS Physics is ideal for students passionate about science and eager to understand the universe. The program offers:
- Strong foundation in quantum mechanics, electrodynamics, statistical mechanics, and experimental physics
 - Access to modern laboratories and research facilities
 - Guidance from experienced faculty with research expertise
 - Preparation for professional research, teaching, or advanced PhD studies

Career Scope & Opportunities

Graduates of MS Physics have diverse career options in both academia and industry:

- University lecturer, researcher, or PhD candidate
- Research scientist in government or private laboratories
- Technology and electronics sector roles
- Energy, space, and advanced technology industries
- Laboratory management and applied physics research

MS Physics Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PHY-XXX	CORE I	3 (3-0)
PHY-XXX	CORE II	3 (3-0)
PHY-XXX	ELECTIVE I	3 (3-0)
PHY-XXX	ELECTIVE II	3 (3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
PHY-XXX	CORE III	3(3-0)
PHY-XXX	CORE IV	3(3-0)
PHY-XXX	ELECTIVE III	3(3-0)
PHY-XXX	ELECTIVE IV	3(3-0)
PHY-719	SEMINAR	1(1-0)
Credit Hours		13

Semester III to IV		
Course Code	Course Title	Credit Hours
PHY-720	RESEARCH THESIS	6 (0-6)
Credit Hours		06

Core Courses		
Course Code	Course Title	Credit Hours
PHY-701	ADVANCED QUANTUM MECHANICS	3 (3-0)
PHY-702	ELECTRODYNAMICS	3 (3-0)
PHY-703	CLASSICAL MECHANICS	3 (3-0)
PHY-704	MATHEMATICAL METHODS PHYSICS	3 (3-0)
PHY-707	STATISTICAL PHYSICS	3 (3-0)
PHY-708	METHODS AND TECHNIQUES EXPERIMENTAL PHYSICS	3 (3-0)
Credit Hours		0

Core Courses		
Course Code	Course Title	Credit Hours
PHY-705	LASER PHYSICS	3 (3-0)
PHY-706	MATERIALS SCIENCE	3 (3-0)
PHY-709	RECENT TRENDS IN PLASMA PHYSICS	3 (3-0)
PHY-710	ATOMIC AND MOLECULAR PHYSICS	3 (3-0)
PHY-711	INSTRUMENTATION AND ADVANCED ANALYTICAL TECHNIQUES	3 (3-0)
PHY-712	APPLIED LASER SPECTROSCOPY	3 (3-0)
PHY-713	ADVANCED SOLID STATE PHYSICS	3 (3-0)
PHY-714	ATOMIC SPECTROSCOPY	3 (3-0)
PHY-715	ELECTROMAGNETIC WAVE PROPAGATION	3 (3-0)
PHY-716	QUANTUM FIELD THEORY	3 (3-0)
PHY-717	HIGH FREQUENCY ELECTROMAGNETIC TECHNIQUES	3 (3-0)
PHY-718	ADVANCES IN OPTOELECTRONIC DEVICES	3 (3-0)
PHY-721	MAGNETIC MATERIALS	3 (3-0)
CS-712	ADVANCED MACHINE LEARNING	3 (3-0)
GEN-700	ADVANCED RESEARCH METHODOLOGY	3 (3-0)
Credit Hours		0

Frequently Asked Questions (FAQs)

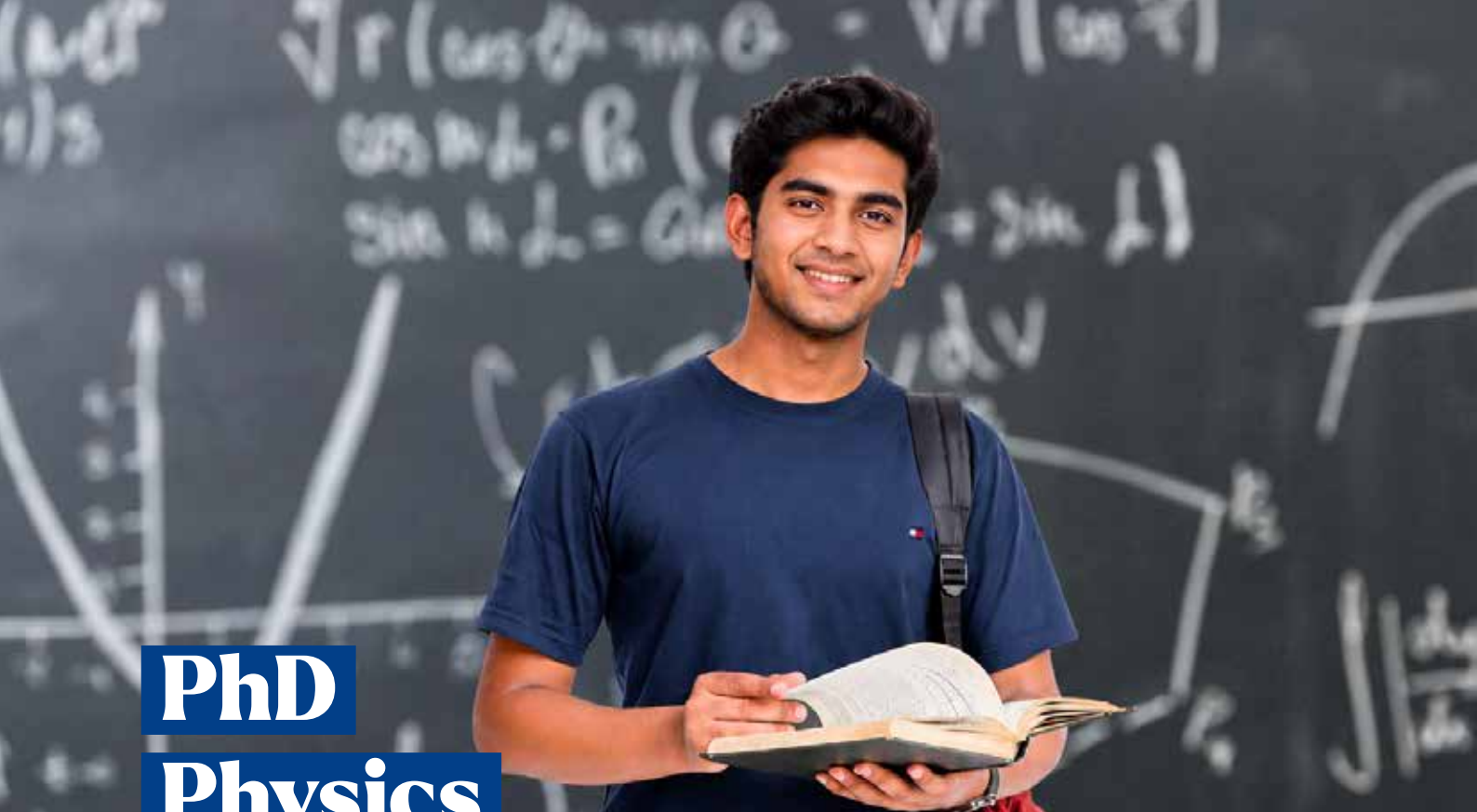
1. What is the duration of the MS Physics program?
The MS Physics program is completed in 2 years, divided into 4 semesters.

2. What is the eligibility for MS Physics?
A BS or BSc in Physics with at least 50% marks or 2.00 CGPA is required.

3. Can I apply for MS Physics after a bachelor's degree in science?
Yes, students with a relevant science background can apply.

4. What career options are available after MPhil Mathematics?
Graduates can work in teaching, research, finance, data science, statistics, government, and industrial sectors.

5. The program focuses on advanced research, theoretical and experimental physics?
Graduates can work as professors, researchers, consultants or scientists.



PhD Physics

Department of Physics

Short Title: PhDPHY

Study Level: Postgraduate

Duration: 6 Semester (3 Years)

Credit Hours: 24

Eligibility: MS/MPhil (18 years of education in Physics with research) or equivalent degree from HEC recognized university with a minimum 3.00/4.00 CGPA in the semester system or 60% marks in the annual system.
GAT/TUF Entry Test with a minimum 60% score

Introduction

The PhD Physics at TUF is a 3-year intensive research program (extendable as per HEC guidelines). It is designed for scholars aiming to push the boundaries of modern physics through rigorous experimental and theoretical investigation.

Why Choose PhD Pharmaceutics at TUF?

Choosing PhD Physics at TUF offers:

- Access to specialized labs for Material Science, Nanotechnology, and Applied Physics.
- Opportunities for collaborative research and international conferences.
- Dedicated guidance for publishing in HEC-recognized and Scopus-indexed journals.

Career Scope & Opportunities

Graduates of PhD Physics have strong career opportunities both in Pakistan and abroad. This degree opens doors to academic, industrial and research-based careers. After completing the program, students can work as:

- University Professor or Lecturer
- Research Scientist
- Medical or Applied Physicist
- Consultant in high-tech industries
- Project Leader in research organizations

With a strong academic foundation and advanced research skills, PhD graduates can contribute to innovation in science, technology and education.

PhD Physics Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PHY-801	RESEARCH METHODOLOGY AND STATISTICS	3 (3-0)
PHY-XXX	ELECTIVE I	3 (3-0)
PHY-XXX	ELECTIVE II	3 (3-0)
Credit Hours		09

Semester I		
Course Code	Course Title	Credit Hours
PHY-XXX	ELECTIVE III	3 (3-0)
PHY-804	NUMERICAL METHODS AND SIMULATION	3 (3-0)
PHY-805	ADVANCED MATHEMATICAL METHODS IN PHYSICS	3 (3-0)
Credit Hours		09

Semester III to IV		
Course Code	Course Title	Credit Hours
PHY-820	THESIS	6 (0-6)
Credit Hours		06

Core Courses		
Course Code	Course Title	Credit Hours
PHY-802	THEORETICAL PHYSICS	3 (3-0)
PHY-803	EXPERIMENTAL PHYSICS	3 (3-0)
PHY-806	LASER AND NONLINEAR OPTICS	3 (3-0)
PHY-807	PHYSICS SEMICONDUCTING MATERIALS AND DEVICES	3 (3-0)
PHY-808	ADVANCED MATERIALS AND ENERGY DEVICES	3 (3-0)
PHY-809	MATERIALS CHARACTERIZATION	3 (3-0)
PHY-810	PHOTONICS AND FIBRE OPTICS	3 (3-0)
PHY-811	ADVANCED QUANTUM MECHANICS	3 (3-0)
PHY-812	ADVANCED CONDENSED MATTER PHYSICS	3 (3-0)
PHY-813	ADVANCED LASER PHYSICS	3 (3-0)
Credit Hours		0

Frequently Asked Questions (FAQs)

1. What is the duration of the PhD Physics program at TUF?

The program lasts 3 years and is completed over 6 semesters.

2. Who can apply for the PhD Physics program??

Students with an MS or MPhil in Physics or a related field can apply.

3. Is an entry test required for admission?

Yes, applicants must pass the GAT, GRE or TUF admission test.

4. What are the main focus areas in this program?

The program focuses on advanced research, theoretical and experimental physics.

5. The program focuses on advanced research, theoretical and experimental physics?

Graduates can work as professors, researchers, consultants or scientists.



Department of Mathematics

Vision

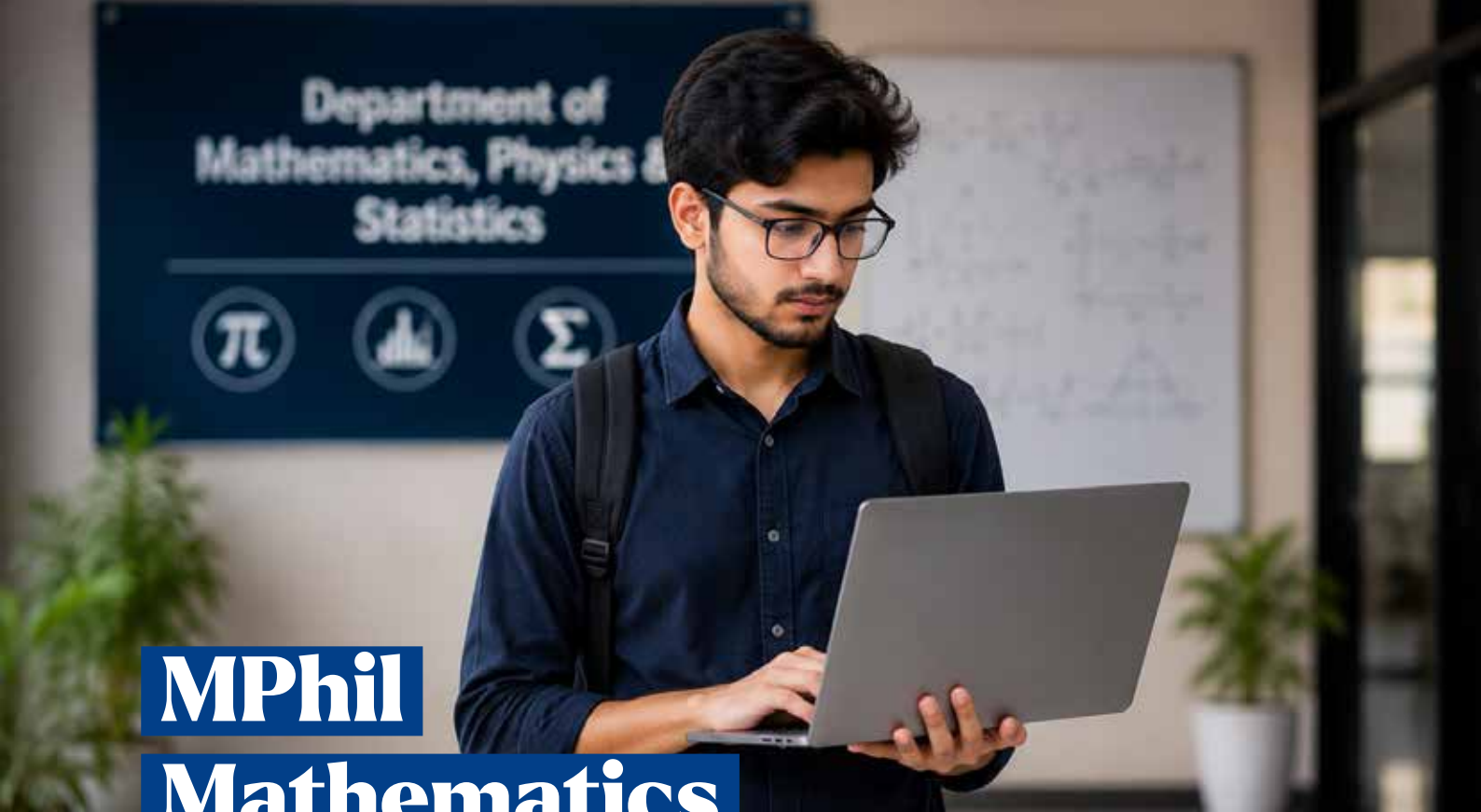
To excel in mathematical education, research and application, preparing the students for impactful career in academia and industry.

Mission

To provide high-quality education with the aim of producing highly skilled graduates who excel in their chosen careers in industry, the professions, and academia, while equally promoting a diverse, and balanced research culture that supports a broad range of mathematical disciplines and encourages intellectual growth and scholarly excellence.



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<https://tuf.edu.pk/n/departments-details/department-of-mathematics>



MPhil Mathematics

Department of Mathematics

Short Title: MP MATH
Study Level: Postgraduate
Duration: 4 Semester (2 Years)
Credit Hours: 32

Eligibility: 16 Years of Education, BS (4 Years) /MSC mathematics (2 Years) or in equivalent field. Min CGPA 2.0 /4.0, or minimum marks 50% marks in annual system. GAT/HAT, General/TUF entry test with minimum 50% score. Students from equivalent fields (interdisciplinary qualification) will enroll 6-9 credit hours (CH) of deficiency courses of level 6.

Introduction

The MPhil Mathematics program at The University of Faisalabad (TUF) is a two-year advanced degree designed to develop expertise in both pure and applied mathematics. This program combines rigorous theoretical study with research-based learning and practical problem-solving. Students gain strong analytical, logical, and quantitative skills that prepare them for academic, industrial, and research careers.

Why Choose MPhil Mathematics?

Choosing MPhil Mathematics at TUF offers:

- Advanced training in mathematical theory, modeling, and applied mathematics
- Research opportunities to explore new concepts and solve complex problems

- Access to experienced faculty for mentorship and guidance
- Exposure to interdisciplinary applications in finance, statistics, data science, and technology
- Preparation for PhD programs and international research opportunities

Program Objectives

Graduates of MPhil Mathematics will be able to:

- Apply advanced mathematical methods to solve theoretical and real-world problems
- Conduct original research in mathematics and related disciplines
- Use analytical and computational tools effectively for modeling and data analysis
- Communicate complex mathematical ideas clearly and professionally
- Prepare for careers in academia, research, industry, and government sectors

Training & Practical Exposure:

- Research projects under faculty supervision
 - Practical problem-solving sessions and workshops
 - Use of computational software and mathematical modeling tools
 - Seminars, discussions, and presentations to develop scientific communication skills
 - Exposure to applied mathematics in finance, data analysis, and industrial applications
- Career Scope & Opportunities:

Career Scope & Opportunities:

Graduates of MPhil Mathematics have a wide range of career options, including:

- Academic roles as lecturers or research assistants in universities and colleges
- Research positions in educational and scientific institutions
- Data science, statistical analysis, and financial modeling in the banking and finance sector
- Government and civil service roles requiring strong analytical skills
- Applied mathematics positions in healthcare, pharmaceuticals, and technology industries

This degree also provides a strong foundation for pursuing a PhD in Mathematics or international research opportunities.

MPhil Mathematics – Scheme of Studies

Zero Semester

Course Code	Course Title	Credit Hours
MATH-415	Advanced Mathematical Methods	3(3-0)
MATH-418	Algebraic Topology	3(3-0)
MATH-419	Special Theory of Relativity	3(3-0)
MATH-420	Partial Differential Equations	3(3-0)
Credit Hours		12

Semester I & II

Course Code	Course Title	Credit Hours
MATH-xxx	Core-I	3(3-0)
MATH-xxx	Core-II	3(3-0)
MATH-xxx	Elective I	3(3-0)
MATH-xxx	Elective II	3(3-0)
MATH-xxx	Core-III	3(3-0)
MATH-xxx	Core-IV	3(3-0)
MATH-xxx	Elective III	3(3-0)
MATH-xxx	Elective IV	3(3-0)
ISL-105/ETH-103	Understanding of Quran-I/Ethics-I	1(0-1)
ISL-106/ETH-104	Understanding of Quran-II/Ethics-II	1(0-1)
Credit Hours		26

Semester III & IV

Course Code	Course Title	Credit Hours
MATH-720	Thesis	6(0-6)
Grand Total		32

List of Core Courses

Course Code	Course Title	Credit Hours
MATH-704	Fuzzy Technique	3(3-0)
MATH-709	Partial Differential Equations with Applications	3(3-0)
MATH-747	Graph Theory with Applications	3(3-0)
MATH-768	Theory of LA-Semigroups	3(3-0)

List of Core Courses

Course Code	Course Title	Credit Hours
MATH-701	Theory of Function Analysis	3(3-0)
MATH-702	Ring Structure-I	3(3-0)
MATH-703	Ring Structure-II	3(3-0)
MATH-705	Technique of Fuzzy Graph	3(3-0)
MATH-706	Theory of Real Analysis	3(3-0)
MATH-707	Advanced Numerical Analysis	3(3-0)
MATH-708	Fluid Dynamics with Applications	3(3-0)
MATH-710	Perturbation Methods for Differential Equations	3(3-0)
MATH-711	Group Theoretic Methods	3(3-0)
MATH-712	Theory of Topological Vector Spaces	3(3-0)
MATH-713	Theory of Algebraic topology	3(3-0)
MATH-714	Complex Variables	3(3-0)
MATH-715	Fixed Point Theory-I	3(3-0)
MATH-716	Fixed Point Theory-II	3(3-0)
MATH-717	Approximation Theory	3(3-0)
MATH-718	Field of Galois theory	3(3-0)
MATH-719	Number Theory	3(3-0)
MATH-721	Measure Theory	3(3-0)
MATH-722	Technique of Semigroup	3(3-0)
MATH-723	Group Actions	3(3-0)
MATH-724	Group Graphs	3(3-0)
MATH-725	Rough Set Theory	3(3-0)
MATH-726	Modelling of Fuzzy Logic	3(3-0)
MATH-727	Function Spaces	3(3-0)
MATH-728	Spectral Graph Theory	3(3-0)
MATH-729	Near Ring Theory	3(3-0)
MATH-730	Semi Ring Theory	3(3-0)
MATH-731	Technique of Cryptography	3(3-0)
MATH-732	Commutative Ring Theory	3(3-0)
MATH-733	Differential Topology	3(3-0)
MATH-734	Theory of topological groups	3(3-0)
MATH-735	Modules Theory	3(3-0)
MATH-736	Group Theory	3(3-0)
MATH-737	Fuzzy Differential Equations	3(3-0)
MATH-738	Category Theory	3(3-0)
MATH-739	Locales Theory	3(3-0)
MATH-740	Topological Indices	3(3-0)
MATH-741	Riemannian Geometry	3(3-0)
MATH-742	Optimization Theory	3(3-0)

List of Core Courses

Course Code	Course Title	Credit Hours
MATH -743	Modelling of Integral Inequalities	3(3-0)
MATH -744	Theory of Financial Mathematics	3(3-0)
MATH -745	Operation Research	3(3-0)
MATH -746	Integral Equations and Their Applications	3(3-0)
MATH -748	Heat and Mass Transfer	3(3-0)
MATH -749	Analytical Dynamics of Particle	3(3-0)
MATH -750	Magnetohydrodynamics	3(3-0)
MATH -751	Finite Element Method for Partial Differential Equations	3(3-0)
MATH -752	Numerical Solutions of Partial Differential Equations	3(3-0)
MATH -753	Numerical Solutions of Ordinary Differential Equations	3(3-0)
MATH -754	Newtonian Fluid Mechanics	3(3-0)
MATH -755	Financial Mathematics-I	3(3-0)
MATH -756	Financial Mathematics-II	3(3-0)
MATH -757	Stochastic Calculus-I	3(3-0)
MATH -758	Stochastic Calculus-II	3(3-0)
MATH -759	Enumerative Combinatory	3(3-0)
MATH -760	Symmetries and Exact Solutions of Differential Equations	3(3-0)
MATH -761	General Relativity-I	3(3-0)
MATH -763	Fourier Analysis	3(3-0)
MATH -764	Mathematical Techniques for Boundary Value Problems	3(3-0)
MATH -765	Multivariate Methods and Analysis	3(3-0)
MATH -766	Finite Element Analysis	3(3-0)
MATH -767	Research Methodology in Mathematics	3(3-0)

List of Compulsory Courses

Course Code	Course Title	Credit Hours
ISL-105/ETH-103	Understanding of Quran I/Ethics I	1(0-1)
ISL-106/ETH-104	Understanding of Quran II/Ethics II	1(0-1)

Frequently Asked Questions (FAQs)

1. What is the duration of the MPhil Mathematics program?
The program lasts 2 years, completed over 4 semesters.
2. What is the eligibility for MPhil Mathematics?
Applicants must have 16 years of education in Mathematics with at least 50% marks or 2.5 CGPA.
3. Is there an entry test for admission?
Yes, candidates must pass the GAT/HAT or TUF Entry Test with at least 50% marks.
4. What career options are available after MPhil Mathematics?
Graduates can work in teaching, research, finance, data science, statistics, government, and industrial sectors.

5. Can I apply for a PhD after completing MPhil Mathematics?
Yes, this program prepares students for PhD studies and advanced research opportunities.



PhD Mathematics

Department of Mathematics

Short Title: PhD MATH
Study Level: Postgraduate
Duration: 6 Semester (3 Years)

Credit Hours: 26
Eligibility: 18 Years of Education, MPhil in Mathematics from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system. The students having strong demonstrated interest in obtaining PhD degree, but their CGPA in MPhil is below 3.00 (out of 4.0 in the semester system) or 60% marks (in the annual system) in the most recent degree obtained, may be admitted to a PhD program after studying additional courses of 9-12 credit hours (CH) of level 7 taking a zero semester and score minimum 3.00 out of 4.00 GPA. The applicant has a strong interest in pursuing a PhD in a different discipline, 18 Years of Education, MPhil (with research) in equivalent field shall study additional courses of 9-12 CH of deficiency courses of level 7. GRE subject or TUF entry test with minimum 60% score.

Introduction

The PhD Mathematics program at The University of Faisalabad (TUF) is a research-intensive doctoral degree designed for students aiming to become experts in advanced mathematics. The program combines rigorous coursework with original research to develop strong analytical, problem-solving, and quantitative skills. Students gain the knowledge and practical experience necessary to contribute to both theoretical and applied mathematical fields. This program emphasizes independent research,

critical thinking, and innovation, preparing graduates for careers in academia, industry, government, and scientific research organizations.

Why Choose PhD Mathematics?

Choosing PhD Mathematics at TUF offers:

- In-depth study of pure and applied mathematics, including algebra, topology, number theory, geometry, and mathematical modeling
- Mentorship from experienced faculty and researchers
- Opportunities to conduct original research with real-world applications
- A flexible curriculum with advanced electives aligned to student research interests
- Preparation for leadership roles in education, science, and industry

Program Objectives

Graduates of the PhD Mathematics program will be able to:

- Conduct original research and contribute new knowledge to mathematical sciences
- Apply advanced mathematical methods to solve complex theoretical and applied problems
- Communicate complex mathematical ideas effectively in academic and professional settings
- Use computational and analytical tools for modeling, simulations, and data analysis

- Assume leadership roles in teaching, research, and scientific consultancy

Training & Practical Exposure:

- Original research under faculty supervision
- Advanced mathematical modeling and computational projects
- Seminars, workshops, and conference presentations to develop scientific communication skills
- Publication of research findings in peer-reviewed journals
- Collaboration on interdisciplinary research projects with real-world applications

Career Scope & Opportunities:

PhD Mathematics graduates have diverse career paths in academia, research, industry, and government. Career options include:

- University Lecturer or Professor
- Research Scientist or Analyst in national or international institutions
- Data Science, Machine Learning, and Modeling Expert
- Cryptography, Cybersecurity, and Financial Analysis Specialist
- Consultant or Project Leader in technology, finance, or scientific research

Graduates are equipped for high-impact roles worldwide where advanced analytical and problem-solving skills are highly valued.

PhD Mathematics – Scheme of Studies

Zero Semester		
Course Code	Course Title	Credit Hours
MATH-729	Near Ring Theory	3(3-0)
MATH-745	Operation Research	3(3-0)
MATH-764	Mathematical Techniques for Boundary Value Problems	3(3-0)
MATH-746	Integral Equations and Their Applications	3(3-0)
Credit Hours		12

Semester I & II		
Course Code	Course Title	Credit Hours
MATH-xxx	Elective I	3(3-0)
MATH-xxx	Elective II	3(3-0)
MATH-xxx	Elective III	3(3-0)
ISL-105/ ETH-103	Understanding of Quran-I/Ethics-I	1(0-1)

Semester I & II		
Course Code	Course Title	Credit Hours
MATH-xxx	Elective IV	3(3-0)
MATH-xxx	Elective V	3(3-0)
MATH-xxx	Elective VI	3(3-0)
ISL-106/ ETH-104	Understanding of Quran-II/Ethics-II	1(0-1)
Credit Hours		20

Semester III & IV		
Course Code	Course Title	Credit Hours
MATH-820	Thesis	6(0-6)

List of Elective PhD Courses		
Course Code	Course Title	Credit Hours
MATH -801	Advanced Function Analysis	3(3-0)
MATH -802	Advanced Ring Theory-I	3(3-0)
MATH -803	Advanced Ring Theory-II	3(3-0)
MATH -804	Advanced Fuzzy Method	3(3-0)
MATH -805	Advanced Fuzzy Graphs	3(3-0)
MATH -806	Advanced Real Analysis	3(3-0)
MATH -807	Advanced Topological Vector Spaces	3(3-0)
MATH -808	Advanced Algebraic Topology	3(3-0)
MATH -809	Advanced Complex Variables	3(3-0)
MATH -810	Advanced Fixed point Theory-I	3(3-0)
MATH -811	Advanced Fixed point Theory-II	3(3-0)
MATH -812	Advanced Approximation Theory	3(3-0)
MATH -813	Advanced Galois theory	3(3-0)
MATH -814	Advanced Number Theory	3(3-0)
MATH -815	Advanced Measure Theory	3(3-0)
MATH -816	Advanced Semigroup Theory	3(3-0)
MATH -817	Advanced Group Actions	3(3-0)
MATH -818	Advanced Group Graphs	3(3-0)
MATH -819	Advanced Rough Set theory	3(3-0)
MATH -821	Advanced Fuzzy Logic	3(3-0)
MATH -822	Advanced Function Spaces	3(3-0)
MATH -823	Advanced Spectral Graph Theory	3(3-0)
MATH -824	Advanced Near Ring Theory	3(3-0)
MATH -825	Advanced Semi Ring Theory	3(3-0)
MATH -826	Advanced Cryptography Theory	3(3-0)
MATH -827	Advanced Commutative Ring	3(3-0)
MATH -828	Advanced Differential Topology	3(3-0)
MATH -829	Advanced Topological Groups	3(3-0)
MATH -830	Advanced Modules Theory	3(3-0)
MATH -831	Advanced Group Theory	3(3-0)
MATH -832	Advanced Fuzzy Differential Equations	3(3-0)
MATH -833	Advanced Category Theory	3(3-0)
MATH -834	Advanced Locales Theory	3(3-0)

List of Elective PhD Courses		
Course Code	Course Title	Credit Hours
MATH -835	Advanced Topological Indices	3(3-0)
MATH -836	Advanced Riemannian Geometry	3(3-0)
MATH -837	Advanced Optimization Theory	3(3-0)
MATH -838	Advanced Integral inequalities	3(3-0)
MATH -839	Advanced Financial mathematics	3(3-0)
MATH -840	Advanced Partial Differential Equations	3(3-0)
MATH -841	Advanced Graph Theory	3(3-0)
MATH -842	Advanced Perturbation Methods	3(3-0)
MATH -843	Advanced Heat and Mass Transfer	3(3-0)
MATH -844	Advances in Group Theoretic Methods	3(3-0)
MATH -845	Advanced Mathematical Methods	3(3-0)
MATH -846	Advanced Fluid Dynamics	3(3-0)
MATH -847	Advanced Heat Transfer	3(3-0)
MATH -848	Momentum and Thermal Boundary Layer Theory	3(3-0)
MATH -849	Group Analysis of Partial Differential Equations	3(3-0)
MATH -850	Convective Heat Transfer: Viscous Fluids	3(3-0)
MATH -851	Advanced Magnetohydrodynamics	3(3-0)
MATH -852	Mathematical Analysis of Heat Transfer	3(3-0)
MATH -853	Advanced Analytical Dynamics	3(3-0)
MATH -854	Non-Newtonian Fluid Mechanics	3(3-0)
MATH -855	Advanced Multivariate Methods and Analysis	3(3-0)
MATH -856	Advanced Finite Element Analysis	3(3-0)
MATH -857	Advanced Optimization Theory	3(3-0)
MATH -858	Advanced Integral Equations	3(3-0)
MATH -859	Computational Fluid Dynamics	3(3-0)
MATH -860	Mathematical Models in Biomathematics	3(3-0)
MATH -861	Modeling and Simulation	3(3-0)
MATH -862	Advanced Operation Research	3(3-0)
MATH -863	Mathematical Modeling-I	3(3-0)
MATH -864	Mathematical Modeling-II	3(3-0)
MATH -865	Advanced Differential Equations	3(3-0)
MATH -866	Theory of Difference Equations	3(3-0)
MATH -867	Advanced Topics in Numerical Analysis	3(3-0)
MATH -868	Advanced Research Methodology in Mathematics	3(3-0)
MATH -869	Advanced LA-Semigroup	3(3-0)

List of Compulsory Courses		
Course Code	Course Title	Credit Hours
MATH-xxx	Elective I	3(3-0)
MATH-xxx	Elective II	3(3-0)
MATH-xxx	Elective III	3(3-0)

Frequently Asked Questions (FAQs)

1. What is the duration of the PhD Mathematics program at TUF?

The program usually takes 3 years to complete, including coursework and research.

2. What qualification is required for admission?

MPhil in Mathematics or 18 years of education in Mathematics from an HEC-recognized university.

3. Is there an entry test for PhD Mathematics at TUF?

Yes, applicants must pass the GRE (subject/general) or TUF entry test.

4. Can I apply if my background is in a related field?

Yes, but you may need to complete deficiency courses before starting the PhD program.

5: What are the main career options after completing this degree?

Graduates can work as university professors, researchers, data analysts, cryptography specialists, or financial/tech consultants.



Department of Physiology

Vision

To create an intellectual environment conducive to innovative teaching and learning.
To establish a culture of research to address the challenges in the medical profession.

Mission

To foster an environment promoting professionalism, ethics, research, and lifelong learning by providing innovative teaching, training, and interdisciplinary research opportunities to the students.



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MPhil Physiology

Department of Physiology

Short Title: MPPHSL

Study Level: Postgraduate

Duration: 2 Years (4 Semesters)

Credit Hours: 33

Eligibility: 16 years of Education (4 years BS and 2 years MSc) in Physiology, BDS, MBBS, DVM, DPT and Pharm-D securing minimum CGPA 2.5/4.00 under semester and 50% marks under annual system are eligible. Candidates possessing 16 years of education in equivalent fields (interdisciplinary qualification) such as Medical Laboratory Technology/ Medical Laboratory Sciences/ Pathology, Dermal Sciences, Dental Technology, Nutrition and Dietetics, Anesthesia Technology, Optometry, Microbiology, Zoology, Biochemistry, Orthotics and Prosthetics securing minimum CGPA 2.5/4.00 under semester and 50% marks under annual system are also eligible. Those having equivalent qualification will be required to enroll 6-9 credit hours level-6 deficiency courses in zero semester. These courses will be in addition to Scheme of Studies prescribed for the degree.

Introduction

This Program is designed to cover the concepts of human physiology. A study of most of the systems of the human body will be carried out along with a discussion about regulation and the medical relevance of the physiological concepts.

Why Choose MPhil Physiology?

Choosing this program at TUF provides a high-level academic environment where clinical observation meets laboratory research.

- Access to specialized physiology labs for studying cardiovascular and respiratory functions.
- Guidance from a dedicated team of professors with expertise in biomedical sciences.
- Strong collaboration with Madinah Teaching Hospital for clinical research and data collection.
- A curriculum that bridges the gap between basic biological science and modern medical practice.
- Excellent resources including digital libraries and updated research journals

Program Objectives

- PEO 1: To develop innovative, creative, analytical and research-oriented thinking in postgraduate students.
PEO 2: To provide in-depth knowledge of physiological processes and understanding to conduct advanced research in the field of Physiology.
PEO 3: To support teamwork and design and implement novel approaches by reaching out to other disciplines/ sharing research facilities.
PEO 4: To ensure sound training for advanced research.

Training & Practical Exposure:

Students gain hands-on experience through:

- Completing a mandatory research thesis on human body regulation or disease mechanisms.
- Hands-on experience with diagnostic tools for monitoring physiological markers.
- Participation in research seminars and workshops on medical data analysis.
- Internship opportunities in affiliated clinical research centers and pharmaceutical labs

Career Scope & Opportunities:

University Lecturer or Senior Researcher in medical colleges.

- Clinical Physiologist in specialized hospital units.
- Research Scientist in pharmaceutical and biotech companies.
- Health Policy Advisor for public health organizations.
- Consultant in wellness and sports physiology programs

MPhil Physiology – Scheme of Studies

Zero Semester		
Course Code	Course Title	Credit Hours
PHSL-301	Cell Physiology	3(3-0)
PHSL-302	Physiology of Excitable Tissues	3(3-0)
PHSL-303	Physiological Techniques	3(1-2)
Credit Hours		09

Semester I & II		
Course Code	Course Title	Credit Hours
GEN-700	Advanced Research Methodology	3(3-0)
BIOC-701	Advanced Biochemical Techniques	3(1-2)
STAT-701	Biostatistics	3(3-0)
PHSL-706	Hematology and Immunology	3(2-1)
PHSL-711	Endocrine and Reproductive Physiology	3(3-0)
PHSL-712	Neurophysiology	3(3-0)
PHSL-713	Cardiovascular and Respiratory Physiology	3(2-1)
PHSL-714	Renal and Gastrointestinal Physiology	3(3-0)
Credit Hours		24

Semester III to IV		
Course Code	Course Title	Credit Hours
PHSL-720	Thesis	6(0-6)
PHSL-719	Seminar	1(1-0)
Credit Hours		6
Grand Total		33

Frequently Asked Questions (FAQs)

1. What is the duration of the MPhil Physiology program?

The MPhil Physiology program typically lasts two years, including coursework and a research thesis.

2. Can I pursue PhD Physiology after completing MPhil Physiology at TUF?

Yes, successful completion of the MPhil Physiology program makes you eligible to apply for the PhD Physiology program.

3: Are there any internships or practical components in these programs?

Yes, both programs include practical laboratory sessions and opportunities for internships in affiliated research and healthcare institutions.

4: What kind of research facilities are available at TUF?

TUF offers well-equipped laboratories, modern research instruments, and access to scientific databases to support advanced physiological research.

5: Is there any scholarship available for these programs?

Scholarships and financial aid options may be available based on merit and need. Applicants should check the university's official website for updates.



PhD Physiology

Department of Physiology

Short Title: PhDPHSL

Study Level: Postgraduate

Duration: The minimum duration 4 years (8 semesters)

Credit Hours: 30

Eligibility: 18 Years of Education, MPhil (with research) in Physiology from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system.

The students having strong demonstrated interest in obtaining PhD degree, but their CGPA in MPhil (with research) is below 3.00/4.00 in semester system in most recent degree obtained, may be admitted to a PhD program after studying additional courses of 9-12 credit hours (CH) of level 7 taking a zero semester and score minimum 3.00/4.00 GPA.

The applicant has a strong interest in pursuing a PhD in a different discipline. 18 years of education, MPhil (with research) in equivalent field (Pathology/ Microbiology/ Parasitology/ Anatomy/ Biochemistry/ Optometry/ Obstetrics and Gynecology/ Medical Laboratory Technology/ Medical Laboratory Sciences/ Pharmacology/Pharmaceutics/Physiotherapy/ Dermal Sciences/ Dental Technology/ Nutrition and Dietetics/ Anesthesia Technology). The applicant has taken 6-9 credit hours (CH of deficiency courses of level).

Basic Academic Qualification

16 years of education or four years of education after HSSC/Grade 12 (minimum 120 credit hours) shall be required in MPhil/MS equivalent program with minimum CGPA 2.5/4.00.

Entry Test:

a. Candidate is required to:

- i. The candidate should have passed the test equivalent to GRE/HAT General developed by TUF, with the passing score of 60%. OR
- ii. The candidate should have passed the test equivalent to GRE/HAT General, conducted by testing bodies accredited by HEC, with a passing score of 60%.

In addition to clause (a), TUF may conduct subject test for admission in PhD programs as per its approved rule.

Introduction

The PhD in Physiology program is designed to provide advanced knowledge and research training in the field of physiological sciences. The program aims to develop highly skilled researchers and academicians capable of contributing to the advancement of medical science and addressing complex health-related challenges.

Why Choose PhD Physiology?

Choosing this doctoral path at TUF places you at the center of advanced medical and physiological innovation.

- Access to high-end labs equipped for electrophysiology, molecular biology, and advanced imaging.
- Mentorship from HEC-approved supervisors with international research backgrounds.
- Opportunities for clinical research collaboration with Madinah Teaching Hospital.
- A research-driven environment that supports the

- publication of original findings in top-tier journals.
- Strong focus on ethical research practices and international regulatory compliance

Program Objectives

- Achieving an advanced understanding of molecular and integrative physiology in health and disease.
- Designing and conducting independent experiments using contemporary scientific techniques.
- Developing critical thinking to identify research gaps and formulate original hypotheses.
- Mastering modern methodologies including bioinformatics and complex statistical analysis.
- Enhancing scientific communication for writing high-impact research papers and grant proposals.

Training & Practical

Exposure:

Students gain hands-on experience through:

- Completing a major doctoral dissertation that contributes new scientific data to the field of physiology.
- Specialized training in imaging techniques and molecular diagnostics.
- Regular participation in international seminars and peer-review research sessions.
- Practical application of ethical standards in human and animal experimentation.

Career Scope & Opportunities:

- University Professor or Head of Physiology Department.
- Principal Investigator in biomedical research institutes.
- Senior Consultant Physiologist in specialized healthcare centers.
- Chief Scientific Officer in pharmaceutical and biotech firms.
- Postdoctoral Researcher in international health organizations.

PhD Physiology – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PHSL-801	Current Physiological Research	3(3-0)
PHSL-802	Stress Physiology	3(3-0)
PHSL-803	Advances in Clinical Endocrinology	3(3-0)
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
PHSL-811	Homeostasis of Body Fluids	3(3-0)
PHSL-XXX	Elective-I (*)	3(3-0)
PHSL-XXX	Elective-II (*)	3(3-0)
Credit Hours		09

Semester III to VI		
Course Code	Course Title	Credit Hours
PHSL-820	Thesis	6(0-6)
Credit Hours		24

(*) To be selected from the following list in consultation with the Department

Semester II		
Course Code	Course Title	Credit Hours
PHSL-804	Physiology of Aging	3(3-0)
PHSL-805	Metabolic Syndrome and Diabetes Mellitus	3(3-0)
PHSL-806	Stem Cell Biology and Tissue Culture	3(3-0)
PHSL-807	Digestive Physiology	3(3-0)
PHSL-808	Advanced Cardiovascular Physiology	3(3-0)
PHSL-809	Advances in Neurophysiology	3(3-0)
PHSL-810	Sports and Exercise Physiology	3(3-0)

With Deficiency Courses

As per HEC policy (GEP-2023) interdisciplinary students (from equivalent fields) of PhD Physiology need to enroll 6-9 credit hours of following deficiency courses of level 7, to be qualified in zero semester prior to enrolment of regular courses of semester-I. These courses will be in addition to prescribed revised Scheme of Studies given above and to be decided by Departmental BOS keeping in view qualification possessed by a candidate:

Zero Semester		
Course Code	Course Title	Credit Hours
PHSL-706	Hematology and Immunology	3(2-1)
PHSL-711	Endocrine and Reproductive Physiology	3(3-0)
PHSL-712	Neurophysiology	3(3-0)
PHSL-713	Cardiovascular and Respiratory Physiology	3(2-1)
Credit Hours		12

Semester I		
Course Code	Course Title	Credit Hours
PHSL-801	Current Physiological Research	3(3-0)
PHSL-802	Stress Physiology	3(3-0)
PHSL-803	Advances in Clinical Endocrinology	3(3-0)
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
PHSL-811	Homeostasis of Body Fluids	3(3-0)
PHSL-XXX	Elective-I (*)	3(3-0)
PHSL-XXX	Elective-II (*)	3(3-0)
Credit Hours		09

Semester III to VI		
Course Code	Course Title	Credit Hours
PHSL-820	Thesis	6(0-6)
Credit Hours		36

Frequently Asked Questions (FAQs)

1. What is a PhD in Physiology?

A PhD in Physiology is a research-oriented doctoral program focused in understanding the functions and mechanisms of human body at molecular, cellular, organ, and systemic levels in health and disease.

2. Can I pursue PhD Physiology after completing MPhil Physiology at TUF?

Yes, successful completion of the MPhil Physiology program makes you eligible to apply for the PhD Physiology program.

3. What are the areas of research available in Physiology?

Research areas may include: Neurophysiology, cardiovascular and respiratory physiology, endocrine physiology, renal and gastrointestinal physiology, exercise and environmental physiology, molecular and cellular physiology, clinical and translational physiology.

4. What kind of research facilities are available at TUF?

TUF offers well-equipped laboratories, modern research instruments, and access to scientific databases to support advanced physiological research.

5. Is there any scholarship available for these programs?

Scholarships and financial aid options may be available based on merit and need. Applicants should check the university's official website for updates.



Department of Biochemistry & Biotechnology

Vision

To become a leading educational Department through innovative research and quality education and to collaborate with industry partners to translate research into real-world applications for the benefit of society.

Mission

To produce graduates and postgraduates who will acquire advance scientific knowledge, research capabilities, a lifelong learning perspective, cutting-edge technology, and ethical practice to develop sustainable solutions in agriculture, health and the environment and to raise interdisciplinary collaboration.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-biochemistry-and-biotechnology>

BS Biotechnology

Department of Biochemistry & Biotechnology

Short Title: BSBT

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 138

Eligibility: FSc Pre-medical

Introduction

The BS Biotechnology program at TUF is a four-year undergraduate degree designed to provide students with a strong foundation in modern biotechnology. This program explores the science of living organisms and applies it to solve challenges in healthcare, agriculture, industry, and the environment. Students gain both theoretical knowledge and hands-on laboratory skills, preparing them for professional careers and advanced research opportunities.

The curriculum includes molecular biology, genetics, bioinformatics, environmental biotechnology, and bioprocessing. Students also develop critical laboratory techniques and research skills essential for innovation in biotechnology.

Why Choose BS Biotechnology?

Choosing BS Biotechnology at TUF allows students to:

- Acquire practical, research-based skills for modern biotechnology applications
- Explore diverse fields such as healthcare, agriculture, food technology, and environmental science

- Gain experience with advanced laboratory equipment and techniques
- Build a strong foundation for higher studies, research, and professional careers

TUF provides experienced faculty, modern laboratories, and a supportive learning environment to ensure graduates are prepared for both local and global opportunities in biotechnology.

Program Objectives

- Graduates of BS Biotechnology will be able to:
- Understand fundamental and advanced concepts in molecular biology, genetics, bioinformatics, and environmental biotechnology
- Apply laboratory techniques and modern biotechnological tools to real-world problems
- Conduct research and analyze data effectively using scientific methods
- Collaborate in multidisciplinary teams for biotechnology projects and problem-solving
- Prepare for higher education, professional careers, and entrepreneurship in biotechnology-related fields

Training / Practical Component:

- Hands-on laboratory sessions in molecular biology, microbiology, genetics, and bioprocessing
- Research projects to develop experimental design and scientific reporting skills

- Internship opportunities with biotech, pharmaceutical, and environmental organizations
- Exposure to bioinformatics tools and data analysis techniques

Career Scope & Opportunities:

Graduates of BS Biotechnology have diverse career paths in healthcare, research, industry, and academia. Career opportunities include:

- Research Scientist in healthcare, pharmaceuticals, or agriculture
- Laboratory Technologist in biotech and diagnostic labs
- Bioprocess Engineer in industrial biotechnology and fermentation
- Environmental Biotechnologist addressing sustainability and conservation challenges
- Food and Agricultural Biotechnology Specialist
- Opportunities for higher studies (MPhil/MS, PhD) in biotechnology, molecular biology, or related fields

With the growing global demand for biotech professionals, graduates can pursue impactful and meaningful careers both locally and internationally.

BS Biotechnology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-105/ETH-103	Understanding of Quran I/Ethics I	1(0-1)
CHEM-103	Organic Chemistry	3 (2-1)
GEN-107	Time Management & Organizing Skills	2(2-0)
CB-101	Cell Biology	3(2-1)
CS-102	Applications of Information and Communication Technologies (ICT)	3 (2-1)
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ENG-107	Functional English	3 (3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-106/ETH-104	Understanding of Quran II/Ethics II	1(0-1)
BIOC-201	Biochemistry – I	2 (2-0)
PHY-202	BioPhysics	3(3-0)
GEN-202	Environmental Studies	3(2-1)
MLS-203	Microbiology	3 (2-1)
GEN-105	Creative Arts	2 (2-0)
ENG-108	Expository Writing	3 (3-0)
Credit Hours		17

Semester III		
Course Code	Course Title	Credit Hours
BIOC-202	Biochemistry – II	3(2-1)
BT-111	Introduction to Biotechnology	3(3-0)
BT-216	Principles of Genetics	3(3-0)
PS-101	Pakistan Studies	2(2-0)
ISL-101/ETH-100	Islamic Studies/ Ethics (For Non-Muslim)	2(2-0)
GEN-207	Quantitative Reasoning-I	3(3-0)
GEN-203	Civics & Community Engagement Writing	2(2-0)
Credit Hours		18

Semester IV		
Course Code	Course Title	Credit Hours
CHEM-204	Physical Chemistry	3(3-0)
BT-217	Biosafety, Biosecurity & Bioethics	2(2-0)
CHEM-202	Analytical Chemistry & Instrumentation	3(2-1)
BT-302	Introduction to Molecular Biology	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2 (2-0)
GEN-303	Quantitative Reasoning-II	3(2-1)
Credit Hours		18

Semester V		
Course Code	Course Title	Credit Hours
CHEM-204	Physical Chemistry	3(3-0)
BT-217	Biosafety, Biosecurity & Bioethics	2(2-0)
CHEM-202	Analytical Chemistry & Instrumentation	3(2-1)
BT-302	Introduction to Molecular Biology	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2 (2-0)
GEN-303	Quantitative Reasoning-II	3(2-1)
Credit Hours		18

Semester V		
Course Code	Course Title	Credit Hours
STAT-302	Biostatistics	3 (3-0)
BT-303	Methods in Molecular Biology	3(2-1)
BT-414	Recombinant DNA Technology	3(3-0)
PATH-302	Immunology	3(3-0)
BT-311	Principles of Biochemical Engineering	3(2-1)
BT-315	Nanobiotechnology	3(3-0)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
BT-324	Artificial Intelligence in Biotechnology	2 (2-0)
BT-211	Bioinformatics	3(2-1)
GEN-310	Research Methodology	3 (3-0)
BT-312	Microbial Biotechnology	3(2-1)
BT-314	Agriculture Biotechnology	3 (3-0)
BT-419	Industrial Biotechnology	3(2-1)
Credit Hours		17

Semester VII		
Course Code	Course Title	Credit Hours
BT-323	Ecology & Biodiversity	3 (3-0)
BT-401	Genomics & Proteomics	3(3-0)
BT-411	Health Biotechnology	3(3-0)
BT-412	Food Biotechnology	3(2-1)
BT-413	Cell and Tissue Culture Technology	3(3-0)
BT-XXX	Elective – I	3
Credit Hours		18

Semester VIII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
BT-415	Environmental Biotechnology	3(3-0)
BT-XXX	Elective – II	3
BT-XXX	Elective – III	3
BT-XXX	Elective – IV	3
Credit Hours		15
Grand Total		138

Summer Internship After completion of 50% of the courses

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Frequently Asked Questions (FAQs)

1: What is the duration of the BS Biotechnology program?

The program is 4 years long, divided into 8 semesters.

2: What is the eligibility for BS Biotechnology at TUF?
Intermediate Pre-Medical or equivalent with at least 45% marks.

3: Does the program include practical lab work?

Yes, students gain extensive hands-on experience in modern biotechnology laboratories.

4: What career options are available after BS Biotechnology?

Graduates can work as research scientists, lab technologists, bioprocess engineers, environmental biotechnologists, or food and agricultural biotech specialists.

5: Is BS Biotechnology a good field for future growth?

Yes, biotechnology is a rapidly expanding field with global demand for skilled professionals and research opportunities.





BS Biochemistry

Department of Biochemistry & Biotechnology

Short Title: BSBIOC

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate Pre -Medical with minimum 45% marks or equivalent

Introduction

The BS Biotechnology program is designed to help students explore the power of science and technology. This degree focuses on understanding living organisms and using this knowledge to improve health, agriculture, industry and the environment. Students learn modern methods and practical skills to solve real-world problems. This program at The University of Faisalabad provides a strong academic base along with hands-on learning. During the degree, students study subjects like molecular biology, genetics, bioinformatics and environmental biotechnology. They also build important biotechnology lab skills to prepare for future jobs and research opportunities.

Why choose BS Biochemistry at TUF?

BS Biotechnology is an excellent choice for students who want to work in the fast-growing fields of science, health and technology. This degree allows students to learn how to create new solutions for better healthcare, clean energy, sustainable agriculture and a safe environment.

By studying biotechnology, students can:

- Learn practical and research-based skills.
- Explore different areas like health, food, environment and genetics.
- Work with advanced laboratory equipment.
- Build a strong foundation for higher studies and professional careers.

Choosing a Biotechnology degree at TUF gives students access to experienced faculty, modern labs and supportive learning spaces to build a successful future.

Career Scope & Opportunities

Graduates of BS Biotechnology have a wide range of job and research opportunities. They can work in different sectors like healthcare, pharmaceuticals, agriculture, food technology and environmental science. Popular career roles include:

- Research Scientist
- Lab Technologist
- Bioprocess Engineer
- Environmental Biotechnologist
- Food and Agricultural Biotech Expert

This degree also opens the door to advanced studies and research in biotechnology. With the growing demand for biotech experts worldwide, graduates can build a strong and meaningful career in this field.

BS Biochemistry Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ENG-107	FUNCTIONAL ENGLISH	3 (3-0)
CS-102	APPLICATION OF INFORMATION COMMUNICATION TECHNOLOGIES	3 (2-1)
GEN-104	IDEOLOGY AND CONSTITUTION OF PAKISTAN	2 (2-0)
ISL-103	TEACHING HOLY QURAN I	Non-Credit
BIOC-101	BIOCHEMISTRY	3 (2-1)
BIOC-111	BIOCHEMISTRY CARBOHYDRATES	3 (3-0)
GEN-101	CELL BIOLOGY	3 (2-1)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
SL-101	ISLAMIC STUDIES	2 (2-0)
ETH-100	ETHICS NON MUSLIM	Non-Credit
ENG-108	EXPOSITORY WRITING	3 (3-0)
GEN-105	CREATIVE ARTS	2 (2-0)
ISL-104	TEACHING HOLY QURAN II	Non-Credit
BIOC-112	BIOCHEMISTRY PROTEINS	3 (3-0)
BIOC-113	BIOCHEMISTRY LIPIDS	3 (3-0)
CHEM-101	ORGANIC INORGANIC CHEMISTRY	3 (2-1)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
STAT-301	STATISTICS	3 (3-0)
GEN-202	ENVIRONMENTAL STUDIES	3 (2-1)
GEN-203	COMMUNITY SERVICE LEARNING	2 (2-0)
ISL-201	TEACHINGS HOLY QURAN III	Non-Credit
BIOC-211	BIOCHEMISTRY NUCLEIC ACIDS	3 (3-0)
BIOC-212	ENZYMOLGY	3 (2-1)
CHEM-201	ORGANIC CHEMISTRY ADVANCED	3 (2-1)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
PSY-201	PSYCHOLOGY	2 (2-0)
GEN-206	ENTREPRENEURSHIP	2 (2-0)
GEN-310	RESEARCH METHODOLOGY	3 (3-0)
ISL-202	TEACHINGS HOLY QURAN IV	Non-Credit
BIOC-213	BIOSAFETY AND BIOETHICS	3 (3-0)
BIOC-214	BIOCHEMICAL ANALYSIS	3 (1-2)
BIOC-302	MOLECULAR BIOLOGY	3 (3-0)
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
BIOC-301	METHODS IN MOLECULAR BIOLOGY	3 (2-1)
BIOC-311	ENZYME KINETICS	3 (2-1)
BIOC-312	NUTRITIONAL BIOCHEMISTRY	3 (2-1)
BIOC-313	ENVIRONMENTAL BIOCHEMISTRY	3 (2-1)
BIOC-314	BIOCHEMICAL TECHNIQUES	3 (1-2)
PATH-202	CLINICAL MICROBIOLOGY	3 (2-1)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
BIOC-315	BIOENERGETICS	3 (3-0)
BIOC-316	INDUSTRIAL BIOCHEMISTRY	3 (2-1)
BIOC-317	BIOCHEMISTRY VITAMINS	3 (3-0)
BIOC-318	BIOCHEMICAL AND MOLECULAR DIAGNOSIS	3 (3-0)
PATH-302	IMMUNOLOGY	3 (3-0)
Credit Hours		15

Summer Semester

Course Code	Course Title	Credit Hours
GEN-401	INTERNSHIP	3 (0-3)
Credit Hours		03

Semester VII

Course Code	Course Title	Credit Hours
BIOC-411	CLINICAL BIOCHEMISTRY	3 (2-1)
BIOC-412	PLANT BIOCHEMISTRY	3 (3-0)
BIOC-413	BIOMEMBRANES AND CELL SIGNALING	3 (3-0)
BT-111	INTRODUCTION TO BIOTECHNOLOGY	3 (3-0)
PHARM-201	PHARMACOLOGY	3 (2-1)
Credit Hours		15

Semester VII

Course Code	Course Title	Credit Hours
BIOC-414	WATER AND MINERAL METABOLISM	3 (3-0)
BIOC-415	INTRODUCTION TO FERMENTATION BIOTECHNOLOGY	3 (3-0)
BIOC-416	CANCER BIOLOGY	3 (3-0)
GEN-402	RESEARCH PROJECT	3 (0-3)
BT-211	BIOINFORMATICS	3 (1-2)
Credit Hours		132

Frequently Asked Questions (FAQs)

1: What is the duration of the BS Biotechnology program?

The BS Biotechnology program is 4 years long and follows a semester system.

2: What is the eligibility for BS Biotechnology at TUF?

Students must have completed Intermediate Pre-Medical or equivalent with at least 45% marks.

3: Does this program include practical lab work?

Yes, students gain hands-on experience through modern labs and biotechnology lab skills.

4: What career options are available after BS Biotechnology?

Graduates can work in healthcare, agriculture, pharmaceuticals, food technology and research labs.

5: Is BS Biotechnology a good field for future growth?

Yes, biotechnology is a fast-growing field with strong job opportunities and research scope worldwide.



MS Biotechnology

Department of Biochemistry & Biotechnology

Short Title: MS BT

Study Level: Postgraduate

Duration: 2-4 Years

Credit Hours: 30

Eligibility:

An undergraduate degree (involving 16 years of education) in Biotechnology or in equivalent field (Bioinformatics/ Life Sciences/ Biological Sciences/ Biochemistry/ Botany/ Biology/ Biomedical Sciences/ Environmental Sciences/ Zoology/ Chemistry/ BSc (Hons) Agriculture/ DVM/ DPT/ PharmD/ Medical Lab Sciences). Min CGPA 3.0/4.0, or minimum marks 50% marks in annual system. GAT/HAT General/TUF Entry Test with minimum 50% score. Students from equivalent fields (interdisciplinary qualification) will enroll upto 12 CH of deficiency courses of level 6.

Introduction

The MS Biotechnology at TUF is a two-year postgraduate program focused on advanced genetic engineering and molecular research. It is designed for students who want to specialize in creating biological solutions for medicine, sustainable agriculture, and industrial production through high-level scientific inquiry.

Why Choose Ms Biotechnology?

Choosing this program at TUF provides a professional research platform where students can turn scientific ideas into practical innovations.

- Access to high-tech molecular biology and fermentation labs for advanced experimentation.
- Opportunities to work on research projects funded by national and international agencies.
- Direct mentorship from PhD scholars with expertise in genomics and vaccine development.
- Collaborative environment with nearby industries for real-world biotechnological applications.

Program Objectives

- Mastering advanced techniques in gene cloning and protein expression for medical use.
- Developing the ability to lead independent research projects from design to publication.
- Improving analytical skills to handle big data in bioinformatics and system biology.
- Shaping professional ethics and leadership qualities for managing biotech industrial units.

Career Scope and Opportunities

After completing the MS Biotechnology degree, graduates can explore strong career options in research, health, industry and environmental fields.

- Senior Research Scientist in pharmaceutical or agricultural firms.
- Bio-Manufacturing Manager in industrial biotechnology sectors.
- Clinical Research Associate for vaccine and drug trial monitoring.
- Technical Advisor for environmental protection and

- bio-remediation projects.
- Academic Lecturer or Senior Researcher in higher education institutions.

Practical Training, Internships & Research Exposure

- Completing a mandatory research thesis focusing on local or global biological challenges.
- Hands-on training in advanced tools like Real-Time PCR, HPLC, and bio-analyzers.
- Specialized workshops on scientific grant writing and patenting biological inventions.
- Participation in international seminars and presenting research findings to the scientific community

MS Biotechnology Scheme of Studies

Semester I & II		
Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ISL-106	Understanding of Quran II	1(0-1)
BT-721	Advances in Cell and Molecular Biology	3 (3-0)
BT-724	Recent Approaches in Bioinformatics	3(3-0)
BT-709	Recent Advances in Biotechnology	3 (3-0)
BT-710	Applications of Industrial Biotechnology	3 (3-0)
STAT-701	Biostatistics	3 (3-0)
GEN-700	Advanced Research Methodology	3 (3-0)
BT-XXX	Elective-I (*)	3 (3-0)
BT-XXX	Elective-II (*)	3 (3-0)
BT-719	Seminar	1(1-0)
Credit Hours		27

Semester III & IV		
Course Code	Course Title	Credit Hours
BT-720	Thesis	6(0-6)
Credit Hours		06
Total Credit Hours		33

List of Elective Courses		
Course Code	Course Title	Credit Hours
BT-705	Advances in Medical Biotechnology	3 (3-0)
BT-711	Advances in Environmental Biotechnology	3 (3-0)
BT-712	Advance Methods in Industrial Biotechnology	3 (3-0)
BT-713	Plant Molecular Physiology	3 (3-0)
BT-714	Proteomics and Protein Engineering	3 (3-0)

List of Elective Courses		
BT-715	Plant-Microbe Interaction	3 (3-0)
BT-716	Molecular Virology	3 (3-0)
BT-717	Bioremediation	3 (3-0)
BT-718	Advances in Plant Biotechnology	3 (3-0)
BT-721	Advances in Cell and Molecular Biology	3 (3-0)
BT-722	Genetic Engineering	3 (3-0)
BT-723	Transgenic Plants	3 (3-0)

Frequently Asked Questions (FAQs)

1: What is MS Biotechnology?

A 2-year postgraduate degree providing advanced biotech knowledge, practical lab skills, and research experience.

2: Who can apply for the MS Biotechnology Program at TUF?

Students with a BS in Biotechnology or related fields and minimum CGPA 2.0.

3: How long is the MS Biotechnology program?

Two years, including coursework, lab training, research, and thesis.

4: What career options are available after MS Biotechnology?

Graduates can work as research scientists, lab technologists, environmental biotech specialists, or university lecturers.

5: Does MS Biotechnology include research and thesis work?

Yes, students complete supervised research and a thesis to gain hands-on experience.



MS Environmental Sciences

Department of Biochemistry & Biotechnology

Short Title: MS ENV

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 32

Eligibility: 16 Years of Education, MSc/BS or equivalent in relevant field (Environmental Sciences, Natural Sciences, Biological Sciences, Agricultural Sciences, Atmospheric Sciences, Soil Science, Physics, Chemistry, Wildlife & Zoology, Botany, Forestry, Geography, Geology) with Minimum 2.00/4.00 CGPA in semester system or equivalent.

Introduction

The Master of Science in Environmental Sciences at The University of Faisalabad is designed to provide students with advanced knowledge and practical skills to address complex environmental challenges. The program integrates principles from ecology, chemistry, geology, and policy to equip graduates with the ability to analyze, manage, and propose sustainable solutions for environmental issues. Through a combination of theoretical learning, laboratory work, and field studies, students will gain a comprehensive understanding of the interactions between human activities and natural ecosystems.

Why Choose MS Environmental Sciences at TUF?

Choosing this program at The University of Faisalabad

offers a dynamic platform for understanding and addressing real-world environmental challenges through scientific and practical approaches.

- Access to well-equipped environmental laboratories for water, soil, and air quality analysis.
- Opportunities to engage in research projects addressing local and global environmental issues.
- Guidance from experienced faculty with expertise in environmental management, sustainability, and policy.
- Strong linkages with environmental agencies and industries for applied learning and professional exposure.

Career Scope and Opportunities

Graduates can work in areas such as:

- Environmental monitoring and management
- Pollution control and waste management
- Natural resource management
- Climate change and sustainability projects
- Government and non-government environmental agencies
- Research and academic roles in environmental sciences
- Industries requiring environmental compliance and managemen

MS Environmental Sciences
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ENV-701	STRATEGIC ENVIRONMENTAL ASSESSMENT	3 (3-0)
GEN-700	ADVANCED RESEARCH METHODS IN ENVIRONMENTAL SCIENCE	3 (3-0)
ISL-105	UNDERSTANDING OF HOLY QURAN – I	1 (0-1)
ENV-XXX	ELECTIVE – I	3 (3-0)
ENV-XXX	ELECTIVE – II	3 (3-0)
Credit Hours		13

Semester II		
Course Code	Course Title	Credit Hours
ENV-702	CLIMATE CHANGE ADAPTATION MITIGATION	3 (3-0)
ENV-703	ADVANCED ANALYTICAL TECHNIQUES IN ENVIRONMENTAL SCIENCE	3 (3-0)
ISL-106	UNDERSTANDING OF HOLY QURAN – II	1 (0-1)
ENV-XXX	ELECTIVE – III	3 (3-0)
ENV-XXX	ELECTIVE – IV	3 (3-0)
Credit Hours		13

Semester III & IV		
Course Code	Course Title	Credit Hours
ENV-720	THESIS	6
Credit Hours		06



PhD
Biotechnology

Department of Biochemistry & Biotechnology

Short Title: PhD BT

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 24

Eligibility:

- 18 Years of Education, MPhil (with research) in Biotechnology from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system.
- The students having strong demonstrated interest in obtaining PhD degree, but their CGPA in MPhil (with research) is below 3.00 (out of 4.0 in the semester system) or 60% marks (in the annual system) in the most recent degree obtained, may be admitted to a PhD program after studying additional courses of 9-12 CH of level 7 taking a zero semester and score minimum 3.00 out of 4.00 GPA.
- The applicant has a strong interest in pursuing a PhD in a different discipline. 18 Years of Education, MPhil (with research) in equivalent field (Biochemistry/ Molecular Biology/ Life Sciences/ Genetics/ Bioinformatics/ Biological Sciences/ Botany/ Biology/ Zoology/ Chemistry/ Agriculture/ MBBS/ Physiotherapy/ Pharmacology/ Medical Lab Sciences). The applicant has passed GRE-Subject/ Equivalent Test with minimum 50% marks in the discipline of admission and has taken 6-9 CH of deficiency courses of level 7 as per decision of admission committee.GRE/HAT General or TUF Entry Test with minimum 60% score is mandatory. TUF may also conduct subject test for admission in PhD programs with passing score 60%.

Introduction

The PhD Biotechnology program at The University of Faisalabad (TUF) is a research-based degree designed for students who want to study advanced concepts in biotechnology. This program helps learners explore new scientific ideas, improve laboratory skills and work on real-life research problems. It offers a strong path for students who wish to build a future in science, healthcare or research.

Why Choose PhD
Biotechnology?

Choosing this doctoral path at TUF connects you with a high-level research community focused on solving global challenges.

- Access to high-end genomic and proteomic research facilities for advanced experimentation.
- Supervision by HEC-approved mentors with international expertise in molecular biotechnology.
- Strong focus on Green Technolog" and sustainable biosynthesis for industrial innovation.
- Support for publishing original findings in high-impact international scientific journals.

Program Objectives

- Achieving original contributions in the field of genetic manipulation and tumor treatment approaches.
- Developing economical and eco-friendly methods to produce industrial products from waste materials.
- Mastering the leadership skills required to manage

- large-scale biotechnology projects and research teams.
- Creating new mathematical and biological models to improve agricultural yields and animal production.

Career Scope and Opportunities

- Principal Investigator in pharmaceutical and vaccine development firms.
- Director of Research & Development (R&D) in biotechnology industries.
- University Professor or Dean of Biological Sciences.
- Chief Scientific Consultant for environmental and climate change projects.
- Policy Advisor for national and international biosafety and health organizations.

Practical Training, Internships & Research Exposure

- Completing a major research thesis that introduces innovative products or diagnostic therapies.
- Advanced hands-on experience with DNA sequencing, gene cloning, and bioinformatics tools.
- Specialized workshops on scientific grant writing, patents, and commercializing biotech products.
- Participation in international doctoral seminars and collaborative research with global institutes

PhD Biotechnology Scheme of Studies

Semester zero

Course Code	Course Title	Credit Hours
BT-709	Recent Advances in Biotechnology	3 (3-0)
BT-710	Applications of Industrial Biotechnology	3 (3-0)
BT-711	Advances in Environmental Biotechnology	3 (3-0)
BT-721	Advances in Cell and Molecular Biology	3 (3-0)
BT-722	Genetic Engineering	3 (3-0)

Semester I & II

Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ISL-106	Understanding of Quran II	1(0-1)
BT-801	Advanced Molecular Biology	3 (3-0)
BT-802	Advanced Techniques in Biotechnology	3 (2-1)
BT-80X	Elective-I (*)	3 (3-0)
BT-80X	Elective-II (*)	3 (2-1)
BT-80X	Elective-III(*)	3 (3-0)
BT-80X	Elective-IV(*)	3 (3-0)

Semester I & II

BT-819	Seminar	1(1-0)
Credit Hours		21
BT-819	Seminar	1(1-0)
Credit Hours		06
Total Credit Hours		27

Frequently Asked Questions (FAQs)

1: What is the TUF PhD Biochemistry program?

It is a research-based doctoral program providing advanced training in biotechnology and applied research.

2: How long does the program take?

Typically 3-5 years, depending on research progress and thesis completion.

3: Who is eligible to apply?

Students with an MS or MPhil in Biotechnology or related fields and the required CGPA.

4: What makes TUF's PhD Biotechnology program unique?

Access to modern labs, expert faculty mentorship, and opportunities for original research and publication.

5: Are practical research and hands-on training included?

Yes, students engage in laboratory experiments, research projects, and thesis development to gain real-world skills.



PhD Biochemistry

Department of Biochemistry & Biotechnology

Short Title: PhD BIOC

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 24

Eligibility:

MS/MPhil (18 years of education in Chemistry/ Biochemistry with research) or equivalent degree from HEC recognized university with a minimum 3.00/4.00 CGPA in the semester system or 60% marks in the annual system.

The Graduate Record Examination (GRE) test administered by the Education Testing Service, or a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to pass.

Introduction

The PhD Biochemistry at TUF is a research-intensive doctoral program designed for scholars who wish to reach the pinnacle of scientific expertise. It focuses on discovering new biochemical mechanisms and developing innovative solutions for health and industrial challenges through independent, high-level research.

Why Choose PhD Biotechnology?

Choosing a PhD at TUF means becoming part of an elite research community dedicated to scientific excellence.

- Guidance from HEC-approved supervisors with

extensive experience in international biochemical research.

- Advanced laboratory infrastructure specialized for protein engineering, enzymology, and molecular genetics.
- Opportunities to secure research grants and work on projects with national and global health impact.
- Access to high-impact scientific journals and a collaborative environment for interdisciplinary studies

Program Objectives

- Achieving original breakthroughs in biochemical pathways and their role in chronic diseases.
- Championing the design of novel diagnostic tools and therapeutic agents through research.
- Mastering advanced biostatistical models to interpret complex experimental data.
- Leading academic and professional teams with high ethical and scientific standards.

Career Scope and Opportunities

After completing the PhD Biochemistry program, graduates can explore career options such as:

- Postdoctoral Fellow or Research Scientist in global institutes.
- University Professor and Head of Research Departments.
- Principal Investigator for pharmaceutical and clinical trials.

- Chief Scientific Officer (CSO) in biotechnology and healthcare firms.
- Policy Advisor for national health and science regulatory bodies

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Completion of a major doctoral dissertation that contributes new knowledge to the field of biochemistry.
- Specialized training in high-end instrumentation like Mass Spectrometry and NMR spectroscopy.
- Workshops on scientific grant proposal writing and intellectual property (Patent) management.
- Presenting original research findings at international conferences and publishing in peer-reviewed journals.

PhD Biochemistry Scheme of Studies

Semester I & II		
Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ISL-106	Understanding of Quran II	1(0-1)
BIOC-801	Gene Expression and Regulation	3(3-0)
BIOC-802	Advanced Medical Biochemistry	3(3-0)
BIOC-803	Design and Analysis of experiment for Researchers	3(3-0)
BIOC-804	DNA Techniques and Clinical Applications	3(3-0)
BIOC-805	Biochemical Toxicology	3(3-0)
BIOC-806	Advances in Industrial Biotechnology-I	3(3-0)
BIOC-819	Seminar	1(1-0)
Credit Hours		27

Semester III & IV		
Course Code	Course Title	Credit Hours
BIOC-820	Thesis	6(0-6)
Credit Hours		30

Frequently Asked Questions (FAQs)

1: What is the TUF PhD Biochemistry program?

A research-based doctoral degree focusing on advanced biochemistry with practical lab and thesis work.

2: How long does the program take?

Typically 3 years, including coursework, research, and

thesis completion.

3: What are the eligibility criteria for admission?

MS or MPhil in Biochemistry or a related field, with required CGPA and passing the entry test.

4: What career opportunities are available after completing the PhD?

Graduates can work in academia, research laboratories, pharmaceuticals, biotechnology, and scientific organizations.

5: Does the program include practical research training?

Yes, students gain hands-on experience through laboratory experiments and complete an original research thesis.



PhD Environmental Sciences

Department of Biochemistry & Biotechnology

Short Title: PhD BIOC

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 26

Eligibility: 18 Years Education in the relevant discipline with a minimum CGPA of 3.00/4.00 (Semester System) or 60% marks (Annual System).

Introduction

The PhD in Environmental Sciences at The University of Faisalabad is designed to develop advanced knowledge and research skills in environmental studies. The program focuses on understanding environmental problems and finding practical solutions through research. Students will work on topics such as pollution, climate change, natural resources, and environmental management. The program includes coursework and independent research under the supervision of qualified faculty.

Why Choose PhD Environmental Sciences at TUF?

Choosing this doctoral program at The University of Faisalabad provides an advanced research environment focused on solving critical environmental challenges.

- Access to specialized laboratories and research facilities for environmental analysis and monitoring.
- Supervision by experienced and qualified faculty with expertise in environmental sciences.

- Strong focus on climate change, pollution control, and sustainable resource management research.
- Opportunities to contribute to impactful publications in national and international journals.

Career Scope and Opportunities

Graduates of this program can work in:

- Universities and higher education institutions
- Research organizations and think tanks
- Government departments related to the environment
- Environmental protection agencies
- International and non-governmental organizations
- Industry dealing with environmental management and compliance
- Consultancy and advisory roles in environmental projects

PhD Environmental Sciences Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ENV-801	RECENT TRENDS IN ENVIRONMENTAL SCIENCES	3 (3-0)
ENV-802	ADVANCED ECOSYSTEM MANAGEMENT	3 (3-0)
ISL-105	UNDERSTANDING OF HOLY QURAN – I	1 (0-1)
ENV-XXX	ELECTIVE – I	3 (3-0)
Credit Hours		10

Semester II		
Course Code	Course Title	Credit Hours
ENV-803	ENVIRONMENTAL HEALTH RISK ASSESSMENT	3 (3-0)
ISL-106	UNDERSTANDING OF HOLY QURAN – II	1 (0-1)
ENV-XXX	ELECTIVE – III	3 (3-0)
ENV-XXX	ELECTIVE – IV	3 (3-0)
Credit Hours		10

Semester III & VI		
Course Code	Course Title	Credit Hours
ENV-720	THESIS	6
Credit Hours		06

Frequently Asked Questions (FAQs)

- 1: What are the admission requirements for the PhD Environmental Sciences program?**
 Applicants must have 18 years of education (MS/MPhil) in a relevant discipline with a minimum CGPA of 3.0/4.0. Additionally, a 60% score in the NTS-GAT (General), GRE (General), or University Admission Test is required. A well-defined Initial Research Proposal (SOP) is also mandatory at the time of application.
- 2: How long does it take to complete the PhD program?**
 The program is designed for a duration of 6 semesters (3 years). This includes 20 credit hours of advanced coursework in the first year, followed by a comprehensive examination and a dedicated period for original research leading to a 6-credit-hour doctoral thesis.
- 3: What research areas can I specialize in?**
 Scholars can choose from a wide range of elective specializations, including Air Pollution Control, Environmental Data Analysis, Alternative Energy Sources, and Environmental Legislation. Our program encourages research that addresses both local environmental challenges and global climate trends.
- 4: Is a comprehensive examination required?**
 Yes. After completing the coursework (Semester I & II), all candidates must pass a Comprehensive Examination in Semester III to officially gain PhD candidacy and proceed with their research thesis.
- 5: How does this program support professional development?**
 Beyond the thesis, students participate in workshops on Scientific Writing, Grant Proposal Funding, and Environmental Modeling (GIS). We also facilitate participation in international research conferences to ensure our scholars are globally connected.



“

Choosing a career in medicine and allied health is a commitment to improving lives and serving humanity. At TUF, we provide a supportive learning environment that combines advanced medical education, practical clinical training, and strong ethical values.

Our diverse programs—including Medicine, Dentistry, Pharmacy, Optometry, Rehabilitation, Nursing, and Biomedical Sciences—are designed to foster professional excellence, compassion, and resilience. Through modern facilities, teaching hospitals, and globally aligned curricula, students gain the knowledge, skills, and confidence needed to make a meaningful impact on healthcare and communities.

Prof Dr Tanzeela Khalid
 Dean, Faculty of Medicine & Allied Health Sciences

Faculty of Medicine & Allied Health Sciences

Faculty of Medicine and Allied Health Sciences at The University of Faisalabad is committed to advancing medical education and healthcare excellence. With a focus on innovative research, clinical skills, and patient-centered care, we prepare students to excel in various healthcare professions. Our comprehensive programs equip future medical and allied health professionals with the expertise needed to address evolving healthcare challenges

Programs Offered

Department of Rehabilitation Sciences

- BS Sports Sciences & Physical Education
- Doctor of Physical Therapy
- MS Physical Therapy
- MS Public Health
- PhD Physical Therapy
- ADP Sports Sciences & Physical Education

Department of Optometry

- BS Optometry
- MPhil Optometry
- PhD Optometry

Department of Radiography and Imaging Sciences

- BS Radiography and Imaging Technology
- MS Diagnostic Ultrasound

Department of Medical Laboratory Sciences

- BS Medical Laboratory Technology
- BS Microbiology
- MS Medical Lab Sciences
- MPhil Microbiology

Department of Nutrition and Dietetic

- BS Human Nutrition and Dietetics
- BS Food Science and Technology
- MPhil Dietetics and Nutritional Sciences

- MS Food Science and Technology
- PhD Dietetics and Nutritional Sciences

School of Nursing

- BS Nursing
- BS Nursing (Post RN)

Department of Dermal Sciences

- BS Aesthetics and Skincare Technology

Department of Dental Sciences

- BS Dental Hygiene
- BS Dental Technology

Department of Professional Health Technologies

- BS Anesthesia Technology
- BS Operation Theatre Technology
- MS Anesthesia

Department of Psychology

- BS Psychology (Clinical)
- MS Clinical Psychology
- ADP Psychology (Clinical)

Department of Rehabilitation Sciences

Vision

To be a globally recognized institute of Rehabilitation Sciences, known for excellence in education, research, and innovative clinical practice, producing highly skilled professionals who advance healthcare and rehabilitation standards.

Mission

To fulfill our vision by providing quality education, state-of-the-art lab facilities, and advanced research opportunities, developing skilled rehabilitation professionals who contribute to healthcare standards.



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rehabilitation-sciences](https://tuf.edu.pk/n/departments-details/department-of-rehabilitation-sciences)



BS Sports Sciences and Physical Education

Department of Rehabilitation Sciences

Short Title: BSSPS
Study Level: Undergraduate
Duration: 8 Semesters (4 years)
Credit Hours: 130
Eligibility: Intermediate (Pre-Medical) with minimum 45% marks or equivalent / only intermediate

Introduction

BS Sports Sciences and Physical Education is a 4-year undergraduate degree program that focuses on the scientific study of human movement, physical activity, exercise, health, fitness, and sports performance. The program provides students with a strong foundation in exercise physiology, biomechanics, sports psychology, sports nutrition, motor learning, sports coaching, injury prevention, rehabilitation, sports management, and research methodologies.

Why Choose BS Sports Sciences and Physical Education at TUF?

Choosing BS Sports Sciences and Physical Education at TUF means gaining a strong scientific foundation in sports, exercise, and physical education through quality academic learning and practical training.

- Hands-on learning through fitness assessment, sports coaching, biomechanics, exercise physiology, and sports psychology laboratories.
- Practical exposure through internships, coaching

- sessions, sports events, and field-based training in educational institutions and sports organizations.
- A comprehensive curriculum integrating sports sciences, physical education, health promotion, research, and sports management.
- Opportunities to develop leadership, coaching, communication, and teamwork skills through academic and extracurricular activities.
- Guidance from experienced faculty committed to advancing sports sciences, research, and professional development.
- Preparation for diverse careers in sports, fitness, wellness, education, rehabilitation, and performance enhancement at national and international levels.

Career Scope and Opportunities

The BS Sports Sciences and Physical Education degree prepares graduates for rewarding careers across sports, fitness, education, healthcare, and research sectors.

- Sports Scientist
- Physical Education Teacher/Lecturer
- Strength and Conditioning Coach
- Sports Coach and Performance Analyst
- Fitness and Wellness Consultant
- Exercise Physiologist
- Sports Development Officer
- Sports Nutrition and Wellness Advisor*
- Sports Event and Facility Manager
- Health Promotion Specialist
- Rehabilitation and Exercise Specialist*
- Academic Researcher and Higher Education Professional

BS Sports Sciences and Physical Education Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-101	ISLAMIC STUDIES OR	2 (2-0)
ETH-100	ETHICS NON MUSLIM	Non-Credit
ENG-107	FUNCTIONAL ENGLISH	3 (3-0)
GEN-105	CREATIVE ARTS	2 (2-0)
ISL-103	TEACHINGS HOLY QURAN I	Non-Credit
SSPE-101	ATHLETICS I	2 (1-1)
SSPE-103	GAMES I	3 (2-1)
SSPE-104	PHILOSOPHICAL BASIS PHYSICAL EDUCATION FOUNDATION 1	3 (3-0)
Credit Hours		15

Semester II

Course Code	Course Title	Credit Hours
GEN-104	IDEOLOGY AND CONSTITUTION OF PAKISTAN	2 (2-0)
CS-102	APPLICATION OF INFORMATION COMMUNICATION TECHNOLOGIES	3 (2-1)
ENG-108	EXPOSITORY WRITING	3 (3-0)
ISL-104	TEACHINGS HOLY QURAN II	Non-Credit
SSPE-111	ATHLETICS -II	2 (0-2)
SSPE-112	GAMES II	2 (1-1)
SSPE-113	GYMNASTIC I	1 (0-1)
SSPE-114	SPORTS BIOMECHANICS FOUNDATION 2	3 (2-1)
Credit Hours		14

Semester III

Course Code	Course Title	Credit Hours
ISL-201	TEACHINGS HOLY QURAN III	Non-Credit
GEN-202	ENVIRONMENTAL STUDIES	3 (2-1)
GEN-206	ENTREPRENEURSHIP	2 (2-0)
GEN-207	QUANTITATIVE REASONING I	3 (3-0)
SSPE-201	ATHLETICS -III	2 (0-2)
SSPE-202	GAMES III	2 (0-2)
SSPE-203	GYMNASTIC II	1 (0-1)
SSPE-204	TALENT IDENTIFICATION IN SPORTS	3 (3-0)
Credit Hours		16

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	TEACHINGS HOLY QURAN IV	Non-Credit
GEN-203	CIVICS AND COMMUNITY ENGAGEMENT	2 (2-0)
GEN-303	QUANTITATIVE REASONING II	3 (3-0)
PSY-201	PSYCHOLOGY	2 (2-0)
SSPE-211	RULES AND TECHNIQUES GAMES	3 (2-1)
SSPE-212	ATHLETICS -IV	2 (0-2)
SSPE-213	GAMES IV	2 (0-2)
SSPE-214	PLANNING SPORTS FACILITIES	3 (3-0)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
SSPE-301	SPORTS NUTRITION	3 (3-0)
SSPE-302	SCIENCE SPORTS TRAINING	3 (3-0)
SS-303	WELLNESS AND FITNESS	3 (3-0)
SSPE-304	SPORTS EXERCISE PHYSIOLOGY	3 (2-1)
SSPE-305	SPECIALIZATION IN ONE GROUP TRACK AND FIELD	3 (1-2)
SSPE-306	SPECIALIZATION IN ONE GAME	3 (0-3)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
SSPE-311	PLANNING AND DEVELOPMENT SPORTS FACILITIES	3 (3-0)
SSPE-312	SPORTS PSYCHOLOGY	3 (3-0)
SSPE-313	TEST MEASUREMENT AND EVALUATION IN SPORTS AND PHYSICAL EDUCATION	3 (3-0)
SSPE-314	PHYSICAL EDUCATION SPECIAL POPULATION	3 (2-1)
SSPE-315	SPORTS INJURIES	3 (3-0)
Credit Hours		14

Semester Summer

Course Code	Course Title	Credit Hours
GEN-401	INTERNSHIP	3 (0-3)
Credit Hours		03

Semester VII

Course Code	Course Title	Credit Hours
SSPE-401	ROLE MEDIA IN SPORTS	3 (3-0)
SSPE-402	SCIENTIFIC SPORTS COACHING	3 (3-0)
GEN-310	RESEARCH METHODOLOGY	3 (3-0)
SSPE-403	SPORTS REHABILITATION	3 (2-1)
SSPE-404	SPORTS MEDICINE	3 (3-0)
Credit Hours		15

Semester VIII

Course Code	Course Title	Credit Hours
SSPE-411	LEADERSHIP	3 (3-0)
SSPE-412	ADMINISTRATION AND MANAGEMENT IN SPORTS	3 (3-0)
SSPE-413	CURRICULUM DEVELOPMENT IN PHYSICAL EDUCATION	3 (3-0)
SSPE-414	PRACTICAL TEACHING PRACTICE	3 (0-3)
GEN-402	RESEARCH PROJECT	3 (0-3)
Credit Hours		15



Doctor of Physical Therapy

Department of Rehabilitation Sciences

Short Title: DPT
Study Level: Undergraduate
Duration: 10 Semesters (5 years)
Credit Hours: 192
Eligibility: Intermediate (Pre-Medical) with minimum 60% marks or equivalent

Introduction

The Doctor of Physical Therapy (DPT) at TUF is a premier five-year clinical doctorate designed to produce autonomous rehabilitation specialists. The program integrates advanced anatomy, biomechanics, and evidence-based therapeutic interventions to restore human movement and enhance the quality of life.

Why Choose Doctor of Physical Therapy?

Choosing DPT at TUF means entering a growing healthcare profession with strong career prospects and comprehensive training.

- Direct patient interaction at Madinah Teaching Hospital (MTH) and specialized Physical Rehabilitation Centers.
- Access to advanced Kinesiology, Electrotherapy, and Biomechanics labs equipped with modern diagnostic tools.
- A study plan aligned with global physical therapy standards, facilitating smoother transitions to careers in the UK, USA, and Australia.

Program Objectives

- To perform independent clinical assessments and design customized physical rehabilitation plans.
- To master manual therapy techniques, therapeutic exercises, and the use of sophisticated electro-medical equipment.
- To apply critical clinical reasoning in managing neurological, orthopedic, and cardiopulmonary disorders.

Career Scope and Opportunities

The Doctor of Physical Therapy degree opens doors to diverse careers in healthcare, rehabilitation, fitness, education, and research at national and international levels.

- Consultant Physiotherapist (Private & Government Hospitals)
- Sports Rehabilitation Specialist (Athletic Clubs & Teams)
- Neurological & Pediatric Rehab Consultant
- Ergonomist & Occupational Health Advisor
- Academic Lecturer & Clinical Researcher

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Specialized training in joint mobilization and soft tissue manipulation.
- Hands-on experience in ICU, Orthopedic Wards, and Pediatric Rehabilitation units.
- A mandatory scholarly project focusing on clinical trials and innovative rehabilitation methodologies

Doctor of Physical Therapy Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-101 ETH-100	Islamic Studies Ethics (for Non Muslims)	2 (2-0)
ENG-107	Functional English	3 (3-0)
ISL-105	Understanding of Quran I/Ethics I	1 (0-1)
ETH-101	Ethics	1 (0-1)
GEN-105	Creative Arts	2 (2-0)
ANA-102	Anatomy -I	4 (3-1)
DPT-111	Kinesiology-I	3 (2-1)
PHSL-101	Physiology-I	3 (2-1)
Credit Hours		18

Semester II

Course Code	Course Title	Credit Hours
CS-102	APPLICATION OF INFORMATION COMMUNICATION TECHNOLOGIES	3 (2-1)
ENG-108	EXPOSITORY WRITING	3 (3-0)
PS-101	PAKISTAN STUDIES	2 (2-0)
ISL-106	UNDERSTANDING QURAN II ETHICS I	1 (0-1)
ANA-103	ANATOMY - II	4 (3-1)
PHSL-102	PHYSIOLOGY - II	3 (2-1)
DPT-112	KINESIOLOGY - II	3 (2-1)
Credit Hours		19

Semester III

Course Code	Course Title	Credit Hours
PSY-201	PSYCHOLOGY	2 (2-0)
GEN-202	ENVIRONMENTAL STUDIES	3 (2-1)
GEN-104	IDEOLOGY AND CONSTITUTION OF PAKISTAN	2 (2-0)
ANA-201	ANATOMY - III	3 (2-1)
PHSL-201	PHYSIOLOGY - III	3 (2-1)
DPT-211	BIOMECHANICS ERGONOMICS - I	3 (3-0)
GEN-207	QUANTITATIVE REASONING - I	3 (3-0)
Credit Hours		19

Semester IV

Course Code	Course Title	Credit Hours
GEN-203	CIVICS COMMUNITY ENGAGEMENT	2 (2-0)
DPT-213	EXERCISE PHYSIOLOGY	3 (2-1)
PHY-201	MEDICAL PHYSICS	3 (2-1)
GEN-303	QUANTITATIVE REASONING - II	3 (3-0)
ANA-204	NEUROANATOMY	3 (2-1)
DPT-212	BIOMECHANICS ERGONOMICS	4 (3-1)
GEN-206	ENTREPRENEURSHIP	2 (2-0)
Credit Hours		20

Semester V

Course Code	Course Title	Credit Hours
PATH-301	Pathology & Microbiology I	2 (2-0)
PHARM-301	Pharmacology & Therapeutics I	2 (2-0)
DPT-311	Physical Agents & Electrotherapy I	3 (2-1)
DPT-313	Therapeutic Exercises & Techniques	3 (2-1)
DPT-317	Supervised Clinical Practice I	3 (0-3)
BIOC-203	Molecular Biology & Genetics	2 (2-0)
DPT-301	Sustainable Development Goal Health & Wellbeing	3 (2-1)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
PATH-303	Pathology & Microbiology II	2 (1-1)
PHARM-302	Pharmacology & Therapeutics II	2 (2-0)
DPT-314	Physical Agents & Electrotherapy -II	3 (2-1)
DPT-315	Community Medicine & Rehabilitation	3 (3-0)
STAT-302	Biostatistics	3 (3-0)
DPT-316	Supervised Clinical Practice II	3 (0-3)
DPT-318	Artificial Intelligence in Health Care	2 (2-0)
Credit Hours		18

Semester VII

Course Code	Course Title	Credit Hours
MED-402	Medicine I	3 (3-0)
SUR-401	Surgery I	3 (3-0)
RDS-402	Radiology & Diagnostic Imaging	3 (2-1)
DPT-411	Musculoskeletal Physical Therapy	3 (2-1)
DPT-412	Evidence Based Practice	3 (2-1)
DPT-413	Supervised Clinical Practice III	4 (0-4)
Credit Hours		19

Semester VIII		
Course Code	Course Title	Credit Hours
MED-403	Medicine II	3(3-0)
SUR-402	Surgery II	3(3-0)
DPT-414	Neurological Physical Therapy	3(2-1)
SIRM-514	Scientific Inquiry & Research Methodology	3(2-1)
DPT-512	Prosthetics & Orthotics	2(2-0)
DPT-515	Professional Practice In Health Care	2(2-0)
DPT-416	Supervised Clinical Practice IV	4(0-4)
Credit Hours		20

Semester IX		
Course Code	Course Title	Credit Hours
DPT-511	Cardiopulmonary Physical Therapy	3(2-1)
DPT-513	Clinical Decision Making & Differential Diagnosis	3(3-0)
DPT-514	Manual Therapy	3(2-1)
DPT-516	Integumentary Physical Therapy	2(1-1)
DPT-515	Emergency Procedures in Physical Therapy	2(1-1)
DPT-521	Sports Physical Therapy	2(1-1)
DPT-517	Supervised Clinical Practice V	4(0-4)
Credit Hours		19

Semester X		
Course Code	Course Title	Credit Hours
DPT-525	Women Health Physical Therapy	3(2-1)
DPT-523	Pediatric and Neonatal Physical therapy	3(2-1)
DPT-524	Geriatric Physical Therapy	3(2-1)
DPT-522	Supervised Clinical Practice VI	4(0-4)
GEN-502	Research Project	6(0-6)
Credit Hours		19
Total Credit Hours		192

Summer VIII		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		13

Frequently Asked Questions (FAQs)

1. What is Doctor of Physical Therapy (DPT)?

DPT is a five-year professional healthcare degree focused on rehabilitation, movement science, and restoring physical function for patients with injuries, illnesses, and disabilities.

2. How long is the DPT program at TUF?

The program spans 5 years (10 semesters) combining

academic study, clinical practice, and research training.

3. Is clinical training included in the program?

Yes, students undergo extensive supervised clinical training in affiliated hospitals and rehabilitation centers throughout the program.

4. What are the career opportunities after DPT?

Graduates can work in hospitals, sports clinics, rehabilitation centers, fitness facilities, academic institutions, research organizations, and community healthcare programs.

5. Can international students apply?

Yes, international students are welcome and supported with admission guidance and academic orientation.



MS Physical Therapy

Department of Rehabilitation Sciences

Short Title: MSPP

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 36

Eligibility: Doctor of Physical Therapy/BS Physical Therapy by securing minimum CGPA 2.0 out of 4.00 or first division. TUF Entry Test with minimum 50% score

Introduction

The MS Physical Therapy at TUF is an advanced postgraduate degree designed to produce clinical specialists in the field of rehabilitation. It focuses on mastering complex diagnostic reasoning, evidence-based therapeutic interventions, and professional leadership within modern healthcare systems.

Why Choose Ms Physical Therapy?

The MS Physical Therapy program at TUF offers an advanced academic pathway combined with intensive clinical residency training at Madinah Teaching Hospital (MTH). Students benefit from:

- Exclusive postgraduate training at Madinah Teaching Hospital (MTH) with a focus on specialized patient cases.
- A curriculum deeply integrated with current global research and clinical protocols to ensure high-standard patient outcomes.
- Dedicated guidance from PhD-level faculty

for publishing original research in high-impact rehabilitation journals.

Program Objectives

- To master advanced differential diagnosis and specialized assessment techniques for complex musculoskeletal and neurological conditions.
- To integrate quantitative and qualitative research methodologies into daily clinical practice.
- To lead multidisciplinary healthcare teams in designing and implementing comprehensive rehabilitation policies.

Career Scope and Opportunities

Graduates of the MS Physical Therapy program have diverse career opportunities in healthcare, academia, and community settings, including:

- Clinical Specialist (Orthopedics, Neurology, or Sports PT)
- University Lecturer & Clinical Supervisor
- Rehabilitation Manager (Hospitals & Private Healthcare Groups)
- Research Associate in International Health Organizations
- Healthcare Consultant & Policy Advisor

Practical Training,
Internships & Research
Exposure

Students gain hands-on experience through:

- Intensive clinical rotations in specialized units like Neuro-rehabilitation, Cardiopulmonary Rehab, and Pediatrics.
- A mandatory 6-credit hour original research thesis focusing on innovative clinical trials.
- Hands-on training in specialized techniques such as Dry Needling, Kinesio Taping, and Advanced Manual Therapy

MS Physical Therapy
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PT-714	Fundamentals of Clinical Physical Therapy	3(2-1)
PT-715	Reasoning & Decision Making in Physical Therapy	3(3-0)
GEN-700	Advanced Research Methodology	3(3-0)
PT-703	Interventional Strategies in Rehabilitation	3(2-1)
Credit Hours		12

Semester II (Student will select one group from the following)		
Course Code	Course Title	Credit Hours
Musculoskeletal		
PT-704	Concepts & Assessment of MSK	3(2-1)
PT-705	Interventions for MSK Disorders	3(2-1)
PT-706	Advance Biomechanics	3(3-0)
PT-716	MSK Rehabilitation in Sports	3(2-1)
OR		
Neuro Musculoskeletal		
PT-707	Neurological Assessment & Diagnostic Approaches	3(2-1)
PT-708	Principles of Neuromuscular Management	3(2-1)
PT-709	Pediatric & Adult Neurological Rehabilitation	3(2-1)
PT-717	Applied Neurosciences	3(3-0)
OR		
Orthopedics Manual		
PT-710	Manual Therapy Techniques-I (Soft Tissue Mobilization)	3(2-1)
PT-711	Manual Therapy Techniques II (Joint Mobilization & Manipulation, upper & Lower Extremities)	3(2-1)
PT-712	Manual Therapy Techniques III (Spinal Mobilization & Manipulation including cervical, thoracic & lumbar regions)	3(2-1)
PT-718	Orthopedic Physical Assessment	3(2-1)
Credit Hours		12

Semester III		
Course Code	Course Title	Credit Hours
PT-720	Thesis	6(0-6)
PT-713	Clinical Residency	6(0-6)
Credit Hours		12

Semester IV		
Course Code	Course Title	Credit Hours
PT-720	Thesis (Continue from semester-III)	6(0-6)
Credit Hours		06
Grand Total		36

Frequently Asked
Questions (FAQs)

- 1. What is MS of Physical Therapy (DPT)?**
MS Physical Therapy is a postgraduate program designed to advance clinical expertise, research skills, and leadership in rehabilitation sciences, preparing professionals for specialized practice and academic roles.
- 2. How long is the MS Physical Therapy program at TUF?**
The program is a 2-year (4-semester) full-time degree including advanced coursework, clinical residency training, and a research thesis.
- 3. Is clinical and research training included?**
Yes. Students complete postgraduate clinical residency training at Madinah Teaching Hospital and conduct independent research leading to a thesis and possible publications.
- 4. What specializations are available?**
- Musculoskeletal Physical Therapy (MSK-PT)
 - Neuromuscular Physical Therapy (NMPT)
 - Orthopedic Manual Physical Therapy (OMPT)
- 5. Can international students apply?**
Yes. TUF welcomes international students and provides full support for admissions, visa processing, and academic orientation.



MS
Public Health

Department of Rehabilitation Sciences

Short Title: MSPH

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 36

Eligibility:

- MBBS (Registered With PMDC)
- BDS (Registered with PMDC)
- MD (Registered with PMDC)
- BSc Nursing 04 years (Registered with PNC)
- DVM (Registered with Veterinary Council)
- BSs Paramedics 4 years
- Pharma D/Equivalent (Registered with Pharmacy Council)
- BS Physiotherapy/Equivalent
- Allied Health Science Departments

Students from above discipline with the CGPA 2.5 or 60% in annual system will be eligible

Introduction

The MS Public Health at TUF is a professional postgraduate degree focused on the strategic management of population health. It bridges the gap between clinical medicine and community wellness, preparing leaders to design healthcare systems, prevent disease outbreaks, and influence global health policies.

Why Choose Ms Public
Health?

Choosing the MSPH program at TUF offers a gateway to

mastering healthcare equity and systemic innovation through a curriculum aligned with global health competencies.

- Evidence-Based Policy Training: Focus on high-level Epidemiology, Biostatistics, and Health Economics to drive data-informed decisions.
- Community-Based Practicums: Practical exposure to regional health challenges through structured field-work and case studies.
- Expert Academic Mentorship: Guidance from faculty with extensive experience in global health surveillance and healthcare administration.

Program Objectives

Graduates of the MSPH program will be able to:

- To master advanced epidemiological methods and biostatistical analysis for health data interpretation.
- To design, implement, and evaluate large-scale disease prevention and health promotion strategies.
- To foster ethical leadership and advocacy skills for improving health equity in diverse populations.

Career Scope and
Opportunities

Public health professionals are in demand worldwide. After completing this program, graduates can build careers in:

- Epidemiologist

- Health Policy Analyst
- Health Service Manager
- Public Health Researcher
- Global Health Consultant

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Practical experience in community health centers and government health departments.
- A mandatory original research project focusing on contemporary public health challenges.
- Real-world problem solving through intensive studies on global health crises and health system reforms

MS Public Health Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PH-701	Introduction to Epidemiology	3 (3-0)
PH-702	Research Strategies in Public Health	3 (3-0)
PH-703	Biostatistics and Computer Applications	3 (2-1)
PH-704	Health System	3 (3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
PH-705	Inventory in Health Care System	3 (3-0)
PH-706	Environmental and Occupational Health	3 (3-0)
PH-707	Public Health Principles and Practices	3 (3-0)
PH-708	Communicable and Non-Communicable Diseases	3 (3-0)
Credit Hours		12

Semester III		
Course Code	Course Title	Credit Hours
PH-70x	Elective-I	3 (3-0)
PH-70x	Elective-II	3 (3-0)
PH-720	Research Thesis	6 (0-6)
Credit Hours		12

Semester VI		
Course Code	Course Title	Credit Hours
PH-720	Research Thesis (continue from III semester)	6 (0-6)
Credit Hours		06
Grand Total		36

List of Elective Courses		
Course Code	Course Title	Credit Hours
PH-709	Health Policy, Planning and Management	3 (3-0)
PH-710	Health Economics	3 (3-0)
PH-711	Human Resource Management for Health	3 (3-0)
PH-712	Health Education and Promotion	3 (3-0)
PH-713	Demography and Population Dynamics	3 (3-0)
PH-714	Disease Control and Eradication	3 (3-0)
PH-715	Community-Based Reproductive Health Interventions	3 (3-0)
PH-716	Nutrition for Children, Adolescents, and Mothers	3 (3-0)
PH-717	Community Management of Malnutrition	3 (3-0)
PH-718	Emergency and Disaster Management	3 (2-1)

Frequently Asked Questions (FAQs)

1. What is MS Public Health?

The Master of Science in Public Health is a two-year postgraduate program that focuses on disease prevention, health promotion, research, leadership, and the development of healthcare policy.

2. How long is the MSPH program at TUF?

The program duration is 2 years with a total of 38 credit hours.

3. Does the program include research and practical exposure?

Yes. The MSPH program integrates research projects, practicums, and hands-on learning opportunities.

4. Who is eligible to apply for MS Public Health?

Applicants with health sciences backgrounds such as MBBS, BDS, Nursing, Pharmacy, Physiotherapy, Paramedics, and Allied Health Sciences are eligible.

5. What career opportunities are available after MS Public Health?

Graduates can work in healthcare organizations, research institutions, NGOs, government departments, hospitals, and international health agencies.



PhD Physical Therapy

Department of Rehabilitation Sciences

Short Title: PhD PT

Study Level: Postgraduate

Duration: 3 years

Credit Hours: 36

Eligibility: 18 Years of Education, MS/MPhil or Equivalent degree in Physical therapy from a HEC-recognized university with a minimum 3.00/4.00 CGPA in the semester system or 60% marks in the annual system. TUF Entry Test / Interview is mandatory with a passing score of 60% or GRE/HAT General/Equivalent tests, with a passing score of 60%.

Introduction

The PhD in Physical Therapy at TUF is a flagship research-intensive doctorate designed for scholars aiming to lead the future of rehabilitation sciences. It focuses on pushing the boundaries of movement science through original inquiry, innovative therapeutic models, and high-impact scientific publications.

Why Choose PhD Physical Therapy?

Choosing PhD Physical Therapy at TUF places you at the forefront of clinical innovation, supported by a research-driven ecosystem that fosters academic excellence and leadership

- Collaborate with HEC-approved supervisors who have extensive international research footprints

and clinical expertise.

- Access to high-end labs for Biomechanics, Kinesiology, and Movement Science to conduct sophisticated data modeling.
- Unique opportunities to conduct collaborative research with various medical and engineering departments within the university.

Program Objectives

- To design and execute original research that addresses critical gaps in neurological, orthopedic, or cardiopulmonary rehabilitation.
- To master advanced bio-statistical methodologies and scientific grant writing for national and international funding.
- To innovate evidence-based clinical protocols that improve patient outcomes and healthcare delivery systems globally.

Career Scope and Opportunities

- This program opens doors to many career options. Graduates are not limited to clinics, they can also build careers in:

- University Professor, Dean of Rehabilitation Sciences, or Post-doctoral Fellow.
- Director of Clinical Research in specialized national and international institutes.
- Consultant for healthcare regulatory bodies and international health organizations (WHO).
- Chief Scientific Officer for medical device

development and rehabilitation technology.

Practical Training,
Internships & Research
Exposure

- Students gain hands-on experience through:
- A multi-year original research project aiming for publication in Scopus-indexed and high-impact factor journals.
- Regular participation in peer-review workshops, dissertation defense seminars, and international conferences.
- Practical experience in securing research funding and managing large-scale clinical trials

PhD Physical Therapy
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
PT-801	Advanced Biostatistics & Research Methodology	3(3-0)
PT-802	Diagnostic Imaging in Rehabilitation	3(3-0)
PT-803	Orthopedic & Sports Physical Therapy	3(3-0)
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
PT-804	Central Nervous System & Cardiovascular System Physical Therapy	3(3-0)
PT-805	Pediatric & Geriatric Physical Therapy	3(3-0)
PT-806	Women Health, Oncology & Integumentary Physical Therapy	3(3-0)
Credit Hours		09

Semester III		
Course Code	Course Title	Credit Hours
THE-820	Research/Thesis	-
Credit Hours		18

Frequently Asked
Questions (FAQs)

- 1. What is a PhD in Physical Therapy?**
PhD in Physical Therapy is a research-focused, advanced academic program designed to develop expertise in rehabilitation sciences, clinical innovation, and teaching. Graduates become researchers, educators, and clinical leaders.
- 2. How long is the PhD Physical Therapy program at TUF?**
The program requires a minimum of 3 years and can

- extend up to 8 years, depending on research progress and dissertation completion.
- 3. What are the entry requirements?**
Applicants must hold a DPT or equivalent 18-year qualification in Physical Therapy with minimum CGPA of 3.0/4.0 and pass the TUF/HEC-approved entry test and interview
- 4. Does the program include research and clinical training?**
Yes. Students engage in supervised research projects, clinical case studies, applied research and have opportunities for publication and conference presentations.
- 5. Are teaching and professional development opportunities provided?**
Yes. Scholars can participate in teaching assistantships, seminars, workshops, and other professional development activities to enhance teaching, research, and leadership skills.
- 6. Can international students apply?**
Yes. International applicants are welcome, and TUF provides assistance with admissions, visa guidance, and academic orientation.



ADP Sports Sciences and
Physical Education

Department of Rehabilitation Sciences

- Short Title:** ADPSPS
Study Level: Undergraduate
Duration: 4 Semesters (2 years)
Credit Hours: 67
Eligibility: Intermediate with minimum 45% marks or equivalent

Introduction

ADP Sports Sciences and Physical Education is a 2-year undergraduate degree program that provides students with a strong foundation in sports sciences, physical education, health, and fitness. The program combines theoretical knowledge with practical training in exercise science, sports coaching, physical fitness, sports psychology, biomechanics, and wellness promotion.

Why Choose ADP Sports
Sciences and Physical
Education at TUF?

- Choosing ADP Sports Sciences and Physical Education at TUF provides students with practical learning opportunities and industry-relevant knowledge for careers in sports, fitness, and physical education.
- Practical training in fitness assessment, sports coaching, and physical education.
 - Hands-on experience through sports activities, workshops, and field placements.
 - A curriculum that integrates sports sciences, health, fitness, and wellness.

- Experienced faculty with expertise in sports sciences and physical education.
- Opportunities to develop leadership, communication, and teamwork skills.
- Pathway to employment or further studies in sports sciences and related disciplines.

Career Scope and
Opportunities

The ADP Sports Sciences and Physical Education program prepares graduates for entry-level careers in sports, fitness, education, and community health.

- Physical Education Instructor
- Fitness Trainer
- Sports Coach
- Gym Supervisor
- Wellness Coach
- Recreation Officer
- Sports Event Coordinator
- Community Health Promoter
- Sports Development Assistant
- Fitness Center Manager
- Youth Sports Instructor
- Sports Club Administrator

ADP Sports Sciences and Physical Education
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101	ISLAMIC STUDIES OR	2 (2-0)
ETH-100	ETHICS NON MUSLIM	Non-Credit
ENG-107	FUNCTIONAL ENGLISH	3 (3-0)
GEN-105	CREATIVE ARTS	2 (2-0)
ISL-103	TEACHINGS HOLY QURAN I	Non-Credit
SSPE-101	ATHLETICS I	2 (1-1)
SSPE-103	GAMES I	3 (2-1)
SSPE-104	PHILOSOPHICAL BASIS PHYSICAL EDUCATION FOUNDATION 1	3 (3-0)
Credit Hours		15

Semester II		
Course Code	Course Title	Credit Hours
GEN-104	IDEOLOGY AND CONSTITUTION OF PAKISTAN	2 (2-0)
CS-102	APPLICATION OF INFORMATION COMMUNICATION TECHNOLOGIES	3 (2-1)
ENG-108	EXPOSITORY WRITING	3 (3-0)
ISL-104	TEACHINGS HOLY QURAN II	Non-Credit
SSPE-111	ATHLETICS –II	2 (0-2)
SSPE-112	GAMES II	2 (1-1)
SSPE-113	GYMNASTIC I	1 (0-1)
SSPE-114	SPORTS BIOMECHANICS FOUNDATION 2	3 (2-1)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	TEACHINGS HOLY QURAN III	Non-Credit
GEN-202	ENVIRONMENTAL STUDIES	3 (2-1)
GEN-206	ENTREPRENEURSHIP	2 (2-0)
GEN-207	QUANTITATIVE REASONING I	3 (3-0)
SSPE-201	ATHLETICS –III	2 (0-2)
SSPE-202	GAMES III	2 (0-2)
SSPE-203	GYMNASTIC II	1 (0-1)
SSPE-204	TALENT IDENTIFICATION IN SPORTS	3 (3-0)
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	TEACHINGS HOLY QURAN IV	Non-Credit
GEN-203	CIVICS AND COMMUNITY ENGAGEMENT	2 (2-0)
GEN-303	QUANTITATIVE REASONING II	3 (3-0)
PSY-201	PSYCHOLOGY	2 (2-0)
SSPE-211	RULES AND TECHNIQUES GAMES	3 (2-1)
SSPE-212	ATHLETICS –IV	2 (0-2)
SSPE-213	GAMES IV	2 (0-2)
SSPE-214	PLANNING SPORTS FACILITIES	3 (3-0)
Credit Hours		17

Semester Summer		
Course Code	Course Title	Credit Hours
GEN-401	INTERNSHIP	3 (0-3)
Credit Hours		03

Frequently Asked
Questions (FAQs)

- 1. What are the eligibility criteria for admission?**
Applicants must have passed Intermediate or an equivalent qualification with at least 45% marks.
- 2. What practical training is included in the program?**
Students receive hands-on training in athletics, games, gymnastics, sports biomechanics, talent identification, and complete a supervised internship.
- 3. What career opportunities are available after graduation?**
Graduates can work as physical education instructors, fitness trainers, sports coaches, gym supervisors, sports coordinators, or pursue careers in community health and recreation.
- 4. Can ADP graduates continue their higher education?**
Yes. Graduates may continue their education by applying to relevant undergraduate degree completion or advanced programs, subject to university policies.

Department of
Optometry

Vision

To become a leading educational department through innovative research and quality education

Mission

To educate future optometrist who can contribute towards society through array of rigorous clinical training, advance research capabilities and lifelong learning attitude.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-optometry>



BS Optometry

Department of Optometry

Short Title: BSOP

Study Level: Graduate

Duration: 4 Years

Credit Hours: 135

Eligibility: FSc (Pre-Medical) or equivalent with minimum 50% marks.

Introduction

The BS Optometry program is about learning how to take care of eyes and vision. This degree helps students understand how the human eye works, how to check eyesight and how to guide people in keeping their eyes healthy. With this knowledge, graduates can support people of all ages to see clearly and enjoy better lives.

Why Choose BS Optometry?

The eye is one of the most important parts of our body and it needs special care. By choosing the BS Optometry program, students get the chance to study a subject that is both useful and meaningful. This field is growing fast because many people today face vision problems and need regular eye checkups.

The TUF BS Optometry Program gives students strong eye care training. They don't just study books, but also practice with real patients using modern eye care tools. This training helps them build confidence and prepares them for jobs in hospitals, clinics and eye centers.

Program Objectives

- Deliver foundational education in vision sciences
- Introduce basic research concepts and clinical audits
- Build core clinical skills in refraction and primary eye care
- Develop ethical and communication skills
- Involve students in community vision screenings
- Provide exposure through hospital affiliations

BS Optometry – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
ENG-107	Functional English	3(3-0)
GEN-105	Creative Arts	2(2-0)
PHSL-102	Physiology	3(2-1)
PHARM-201	Pharmacology	3(2-1)
OPT-111	Vision Sciences	3(2-1)
ISL-105	Understanding of Quran/Fehm-e-Quran-I	1(0-1)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
CS-102	Applications of Information & Communication Technologies	3(2-1)
GEN-104	Ideology & constitution of Pakistan	2(2-0)
ENG-108	Expository writing	3(3-0)
ANA-101	Anatomy	3(2-1)
GEN-106	Medical Ethics	2(2-0)
ISL-106	Understanding of Quran/Fehm-e-Quran-I	1(0-1)
OPT-212	Ocular Anatomy and Physiology	3(3-0)
Credit Hours		17

Semester III

Course Code	Course Title	Credit Hours
GEN-202	Environmental studies	3(2-1)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
OPT-211	Ocular Diseases and emergency handling- I	3(3-0)
PATH-201	Pathology	3(3-0)
GEN-207	Quantitative reasoning I	3(3-0)
Credit Hours		16

Semester IV

Course Code	Course Title	Credit Hours
GEN-303	Quantitative reasoning II	3(3-0)
GEN-203	Civics and Community engagement	2(2-0)
OPT-214	Ocular Diseases and emergency handling-II	3(3-0)
OPT-215	Ophthalmic Dispensing-I	3(2-1)
OPT-216	Clinical Refraction	3(3-0)
OPT-213	Optics	3(3-0)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
MED-401	Clinical Medicine	3(2-1)
GEN-302	Patient Care	2(2-0)
OPT-317	Orthoptics-I	3(2-1)
OPT-315	Clinical Practice of Refraction	2(0-2)
OPT-411	Retinal Diseases	3(3-0)
OPT-319	Diagnostic Instruments-I	2(2-0)
OPT-314	Ophthalmic Dispensing-II	2(1-1)
Credit Hours		16

Semester VI

Course Code	Course Title	Credit Hours
OPT-514	Basic Life Support	2(1-1)
SUR-302	Surgery	2(2-0)
OPT-414	Diagnostic Instruments-II	3(2-1)
OPT-311	Low Vision-I	3(2-1)
OPT-318	Contact Lens-I	2(2-0)
RMS-514	Research Methodology and Applied Statistics	2(2-0)
OPT-320	Ophthalmic screening observation & Pediatric Optometry	3(2-1)
Credit Hours		16

Summer

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		3

Semester VII

Course Code	Course Title	Credit Hours
CM-401	Community Medicine	2(2-0)
OPT-316	Low Vision-II	3(2-1)
OPT-413	Contact Lens-II	3(2-1)
OPT-415	Neuro-Ophthalmology	2(2-0)
OPT-412	Orthoptics-II	3(2-1)
OPT-419	Clinical Rotations I (Refraction & Screening observation)	3(0-3)
Credit Hours		16

Semester VIII

Course Code	Course Title	Credit Hours
OPT-417	Ocular Pharmacology	2(2-0)
OPT-519	Minor OT Procedures	2(1-1)
OPT-420	Clinical Rotations II (Diagnostic & Cornea)	3(0-3)
OPT-421	Clinical Rotations III (General Ophthalmology & Contact lens)	5(0-5)
GEN-402	Research Project	3(0-3)
Credit Hours		15
Grand Total		135

Frequently Asked Questions (FAQs)

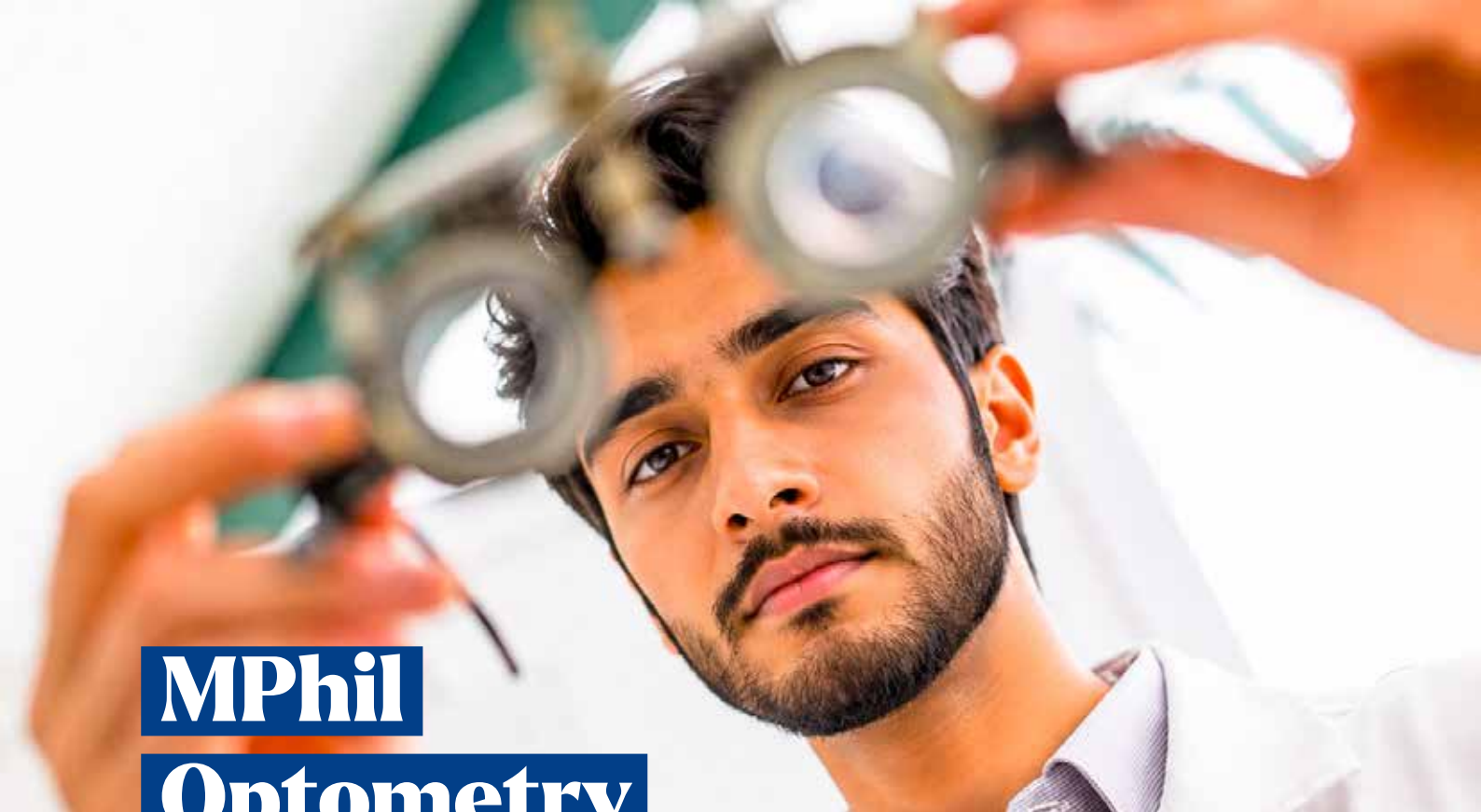
1. What is the duration of the BS Optometry program?
It is a 4-year program with a total of 148 credit hours.

2. When do students begin clinical training?
Clinical rotations start from the 3rd year and continue through the final year at affiliated teaching hospitals such as Madinah Teaching Hospital, providing extensive clinical exposure.

3. Does the program include research work?
Yes, final-year students conduct research projects and theses, which they later present on academic and professional platforms.

4. Who can apply for BS Optometry?
Students with F.Sc. (Pre-Medical) or equivalent qualification with at least 50% marks.

5. What career options are available after completing BS Optometry?
Graduates can work as clinical optometrists, retail optometry specialists, or pursue higher studies such as MPhil Optometry.



MPhil Optometry

Department of Optometry

Short Title: MPO

Study Level: Postgraduate

Duration: 2 Years

Credit Hours: 32

Eligibility:

i. Basic Academic Qualification:

16 Years of education or four years of education after HSSC/Grade 12 (minimum 120 credit hours) shall be required in MPhil/MS equivalent program with minimum CGPA 2.5/4.00

ii. Admission Test:

Candidate must pass GRE/GAT/HAT General test, with the passing score of 50%
OR

Candidate must pass the test developed by University equivalent to GRE/GAT/HAT General, with passing score of 60%.

Introduction

The MPhil Optometry program is designed for graduates who want to enhance their clinical and research expertise in optometry. This postgraduate degree focuses on advanced eye care techniques, diagnostic innovations, and research methodologies. It enables students to become specialists capable of contributing to evidence-based clinical practice, education and research in optometry.

Why Choose MPhil Optometry at TUF?

The University of Faisalabad (TUF) provides a comprehensive postgraduate program that combines theory, research, and clinical application.

Students benefit from:

- Advanced laboratories and modern diagnostic facilities
- Mentorship from highly qualified faculty and clinical experts
- Hands-on clinical experience in university-affiliated hospitals
- Research opportunities in advanced optometric practices

The program strengthens analytical, clinical, and leadership skills, preparing graduates for diverse professional roles.

Program Objectives

- Provide advanced knowledge in optometry specialties
- Promote supervised research and thesis development
- Enhance clinical skills in contact lenses, low vision, etc.
- Strengthen leadership and teaching competencies
- Lead community eye health initiatives.
- Collaborate with hospitals and research centers.

MPhil Optometry – Scheme of Studies

Semester I & II

Course Code	Course Title	Credit Hours
GEN-700	Advanced Research Methodology	3(3-0)
OP-700	Advance Ocular pathology & Therapeutics	3(3-0)
OP-701	Advance Contact lens, Lasers & Refractive Surgery	3(2-1)
OP-XXX	Elective I	3(3-0)
ISL-105	Understanding Of Quran –I	1(0-1)
ISL-106	Understanding Of Quran –II	1(0-1)
OP-703	Advance Diagnostic Instruments & Clinical Orthoptics	3(2-1)
OP-704	Advance Refraction, Low vision & Rehabilitation	3(2-1)
OP-XXX	Elective II	3(3-0)
OP-XXX	Elective III	3(3-0)
Credit Hours		26

Semester III & IV

Course Code	Course Title	Credit Hours
OP-720	Thesis	06
Credit Hours		06
Grand Total		32

List of Major Courses (if any)

Course Code	Course Title	Credit Hours
OP-707	Neuro vision	3(3-0)
OP-708	Advance Pediatric Optometry	3(2-1)
STAT-701	Advance Biostatistics	3(3-0)

List of Elective Courses

Course Code	Course Title	Credit Hours
OP-702	Advance Ocular Prosthesis and Recent Advances in Optometry	3(3-0)
OP-705	Advance Ocular Pharmacology	3(3-0)
OP-706	Advance Dispensing and Optics	3(2-1)
OP-709	Epidemiology & Community Eye Health	3(3-0)
OP-710	Screening Observation and Ocular Emergency Handling	3(2-1)

Frequently Asked Questions (FAQs)

1. Who can apply for the MPhil Optometry program?

Graduates with BS Optometry or an equivalent qualification in a related field.

2. Is this program recognized internationally?

Yes, the MPhil Optometry program is accepted worldwide, and our graduates are currently working in various reputed national and international institutions.

3. What is the duration of the MPhil program?

It is a 2-year program comprising 30 credit hours, including coursework and research

4. Does the program include research work?

Yes, students complete an independent research thesis under faculty supervision.

5. What career opportunities are available after completing MPhil Optometry?

Graduates can work as clinical experts, lecturers, or researchers in hospitals and academic institutions.





PhD Optometry

Department of Optometry

Short Title: PhDOP

Study Level: Postgraduate

Duration: 3 Years

Credit Hours: 30

Eligibility:

A minimum CGPA of 3.00/4.00 (in semester system) or 60% (in the annual system) in the MS (with research) / MPhil (with research)/equivalent degree is required. If CGPA is below 3.00/4.00 (in semester system) or 60% marks (in the annual system), candidate may be admitted to a PhD program after fulfilling the following requirements:

- He/She will study additional courses of 9-12 Credit hours of level 7 taking a zero-semester offered by institute and pass that semester with minimum GPA 3.00 out of 4.00

Admission Test

A candidate must pass a test equivalent to GRE/HAT General, conducted by testing bodies accredited by HEC, with a passing score of 60%.

OR

A candidate must pass the test developed by University equivalent to GRE/HAT General, with passing score of 60%.

Statement of purpose

Applicants shall be required to submit a statement of purpose, which shall form an integral part of the application at time of admission.

Introduction

The PhD Optometry program is the highest academic qualification in optometry offered in Pakistan. It prepares scholars for leadership roles in research, academia, and advanced clinical practice. The program focuses on producing researchers capable of contributing original knowledge to the field of eye care and clinical optometry.

Why Choose PhD Optometry at TUF?

The University of Faisalabad (TUF) provides a research-intensive environment supported by advanced laboratories and experienced faculty.

Students benefit from:

- Mentorship by senior researchers and clinicians
- Opportunities to publish in high-impact journals
- Collaboration with hospitals and national research centers
- A multidisciplinary approach linking clinical and experimental optometry

This PhD program emphasizes innovation and scientific excellence in eye care.

Program Objectives

- Advance expertise in vision science and research
- Lead original research with impactful outcomes
- Innovate clinical protocols and treatment models
- Mentor students and guide academic development

- Design large-scale community health projects
- Build global collaborations in eye health

PhD Optometry – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
OP-800	Advance Research Methods	3(3-0)
OP-801	Ocular Pathology I: Optometric Management of Anterior Segment	3(3-0)
OP-802	Ocular Microbiology & Immunology	3(3-0)
Credit Hours		09

Semester II

Course Code	Course Title	Credit Hours
OP-813	Research Data Management & Publication	3(3-0)
OP-814	Ocular Pathology II: Posterior Segment Management	3(3-0)
OP-815	Visual Sensory and Motor Neuroscience	3(3-0)
Credit Hours		09

Comprehensive Examination in Semester III (Required for candidacy for PhD)

Semester III & VI

Course Code	Course Title	Credit Hours
OP-820	Thesis	6(0-6)
Credit Hours		06
Grand Total		24

Frequently Asked Questions (FAQs)

1. Is the PhD Optometry program recognized by HEC?

Yes, it is the only HEC-accredited subject-related PhD in Optometry offered in Pakistan.

2. What is the duration of the PhD Optometry program?

The program typically spans 3 years, including coursework, proposal defense, and thesis completion.

3. What are the admission requirements?

MPhil/MS (with research) in Optometry or equivalent degree, along with GRE/HAT or TUF test clearance.

4. What career paths can PhD graduates pursue?

They can serve as academic leaders, researchers, consultants, and innovators in national and international institutions.



Department of Radiography and Imaging Sciences

Vision

To be a leading program in Medical Imaging Sciences, renowned for producing skilled professionals equipped with cutting-edge knowledge and expertise to revolutionize healthcare through advanced imaging technologies.

Mission

To provide a comprehensive and innovative education in Medical Imaging Sciences by integrating theoretical knowledge with practical training. We equip students with strong technical expertise, critical thinking skills, and ethical values, preparing them to become competent and compassionate imaging professionals who enhance patient care, advance medical imaging technologies, and contribute to the healthcare community.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-radiology-and-medical-imaging>

BS Radiography and Imaging Technology

Department of Radiography and Imaging Sciences

Short Title: BSRIT

Study Level: Undergraduate

Duration: 4 Years

Credit Hours: 140

Eligibility: Minimum 50% marks in Intermediate (Pre-Medical) / A-Level or equivalent and no 3rd division in matriculation.

Introduction

The BS Radiography and Imaging Technology (BSRIT) program is designed to develop skilled professionals with a strong foundation in medical imaging sciences. This program provides comprehensive knowledge of radiologic principles, imaging techniques, and diagnostic procedures essential for accurate disease detection and patient management.

Students will learn the operation and maintenance of advanced imaging equipment, including X-ray, CT, MRI, mammography, and ultrasound systems. The curriculum integrates theoretical instruction with extensive clinical training, enabling students to apply radiation safety standards, patient care protocols, and image evaluation skills in real-world healthcare settings.

Graduates of the BSRIT program are prepared to pursue careers in diagnostic imaging departments, hospitals, and research institutions, or to continue their education in specialized fields such as ultrasound, nuclear medicine, or radiation therapy. The program aims to produce competent, ethical, and compassionate imaging technologists dedicated to improving healthcare delivery through excellence in diagnostic imaging.

Why Choose BSRIT at TUF?

- **Expert Faculty:** Learn from experienced radiologists, imaging technologists, and healthcare educators with strong clinical and academic backgrounds.
- **Comprehensive Practical Training:** Develop hands-on expertise through extensive lab sessions, clinical rotations, and exposure to real-world imaging procedures in affiliated hospitals.
- **State-of-the-Art Facilities:** Train using advanced imaging equipment, including digital radiography, CT, MRI, and ultrasound systems.
- **Research and Professional Growth:** Engage in research and innovation projects that promote critical thinking and contribute to advancements in medical imaging technology.
- **Career-Oriented Curriculum:** A globally relevant curriculum designed to prepare students for professional roles in hospitals, diagnostic centers, and educational or research institutions.

Program Objectives

The BSRIT program mission is supported by the following program goals and objectives:

- This program will provide high quality education which will prepare graduates to provide full-scope radiological services in an ethical and professional manner by professionally skilled instructors.
- The professional radiological scientist will learn to understand when and which imaging studies are indicated for emergency, urgent or routine patient

care and the appropriate time interval between such studies.

- Graduates will learn to assess, apply, and assimilate investigative knowledge to improve patient care.
- Learn how to communicate with patients as to the need for imaging studies and understanding the results of such studies.
- Graduates will exhibit a high level of professionalism and compassion in providing care to patients undergoing medical imaging procedures, ensuring their comfort, safety, and well-being throughout the process.
- The program is committed to providing research experiences for radiological scientists so that they can contribute to the advancement of radiology.
- Provide graduates with skills necessary to assume leadership roles within medical imaging departments, overseeing personnel, resources, and operational processes to optimize efficiency and quality of care.

Career Scope & Opportunities

There are plenty of opportunities for graduate students in teaching and general hospitals to perform patient assessment, patient management, fluoroscopy and other radiological procedures.

It has a wide scope, after completion you can work as a:

- Radiological assistant
- As radiological administrator
- Radiological equipment application experts
- Researches
- Lecturer

BS Radiography and Imaging Technology – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
ENG-107	Functional English	3(3-0)
ISL-103	Teachings of Holy Quran- I	NC
PHSL-101	Physiology	3(2-1)
BIOC-101	Biochemistry	3(2-1)
GEN-105	Creative arts	2(2-0)
ANA-101	Anatomy	3(2-1)
Credit Hours		16

Semester II		
Course Code	Course Title	Credit Hours
EMB-222	Embryology	2(2-0)
CS-102	Application of Information &Communication Technologies	3(2-1)
GEN-104	Ideology & constitution of Pakistan	2(2-0)
ENG-108	Expository Writing	3(3-0)
RDS-111	Medical Radiological Physics & Radiation Sciences	3(3-0)
ANA-202	Cross Sectional Anatomy-I	3(2-1)
ISL-104	Teaching of Holy Quran- II	NC
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
PSY-201	Psychology	2(2-0)
GEN-202	Environmental Studies	3(2-1)
ANA-203	Cross Sectional Anatomy-II	3(2-1)
GEN-206	Entrepreneurship	2(2-0)
PATH-201	Pathology	3(3-0)
PHARM-201	Pharmacology	3(2-1)
ISL-201	Teachings of Holy Quran- III	NC
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
RDS-211	Introduction of Ultrasound	3(3-0)
GEN-203	Community Service Learning	2(2-0)
SUR-401	Surgery-I	3(3-0)
GYN-501	Gynecology and Obstetrics	2(2-0)
GEN-310	Research Methodology	3(3-0)
STAT-302	Biostatistics	3(3-0)
ISL-202	Teachings of Holy Quran- IV	NC
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
RSD-221	General Radiography	3(3-0)
MED-404	Medicine	3(3-0)
SUR-402	Surgery II	3(3-0)
RDS-314	Abdominal and Gynecological Ultrasound	3(2-1)
RDS-311	Musculoskeletal ultrasound and small parts ultrasound	3(2-1)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
RDS-419	Interventional Radiology-I	2(1-1)
RDS-313	Obstetrical Ultrasound	3(3-0)
RDS-412	Vascular Ultrasound	3(2-1)
RDS-415	Diagnostic Nuclear Medicine Techniques-I	3(3-0)
RDS-312	Principles of Echocardiography	3(2-1)
RDS-413	Advances in Medical Imaging Technology	3(2-1)
Credit Hours		17

Summer Semester		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Semester VII		
Course Code	Course Title	Credit Hours
RDS-411	Radiography imaging Procedures	3(2-1)
RDS-416	Diagnostic Nuclear Medicine Techniques-II	3(2-1)
RDS-315	Computed Tomography (CT)	3(2-1)
RDS-414	Magnetic Resonance Imaging (MRI)-I	3(2-1)
GEN-302	Patient Care	2(2-0)
RDS-519	Interventional Radiology-II	2(1-1)
Credit Hours		16

Semester VIII		
Course Code	Course Title	Credit Hours
RDS-420	Administration and Management in Radiology	3(3-0)
GEN-402	Research Project	3(0-3)
RDS-417	Mammography Radiological Techniques	3(2-1)
RDS-418	Angiography and Cardiac Imaging	3(2-1)
RDS-421	Magnetic Resonance Imaging (MRI)-II	3(2-1)
RDS-519	Interventional Radiology-II	2(1-1)
Credit Hours		15
Total Credit Hours		130

Frequently Asked Questions (FAQs)

1. What is the duration of the BSRIT program?

The Bachelor of Science in Radiologic and Imaging Technology (BSRIT) program is a four-year undergraduate degree comprising academic coursework, and clinical rotations.

2: What career opportunities are available after completing the BSRIT program at TUF?

Graduates can work as radiologic technologists,

imaging technologists, CT/MRI technologists, or sonographers in hospitals, diagnostic centers, and research institutions. They may also pursue advanced studies such as MS in Diagnostic Ultrasound or other postgraduate programs in medical imaging and allied health sciences.

3: Does the BSRIT program include practical or clinical training?

Yes, the program emphasizes hands-on experience through clinical placements in Madina Teaching Hospital. Students receive supervised training in X-ray, CT, MRI, mammography, and ultrasound imaging.

4: What facilities are available for BSRIT students at TUF?

Students have access to modern imaging laboratories, digital radiography units, and clinical training facilities equipped with advanced diagnostic imaging technologies to enhance practical learning.

5: Are there any scholarships available for BSRIT students?

Yes, TUF offers merit-based and need-based scholarships. Applicants are advised to visit the official university website for the most recent scholarship updates.





MS Diagnostic Ultrasound

Department of Radiography and Imaging Sciences

Short Title: MSDU

Study Level: Postgraduate

Duration: 2 Years

Credit Hours: 30

Eligibility: To be eligible for admission into the MS Diagnostic Ultrasound program at The University of Faisalabad, candidates must meet the following criteria:

- **Educational Qualifications:** Candidates should have completed 16 years of education, which includes a 4-year BS degree or equivalent disciplines such as MBBS, DMRD, MID, MSC Medical Ultrasound Technology.
- **Academic Requirements:** Applicants must have secured a minimum CGPA of 2.5 out of 4.0 under the semester system or 60% marks under the annual system.
- **GAT of NTS of University Entrance Test** with 50% marks

Introduction

The MS Diagnostic Ultrasound program is designed to provide advanced knowledge and practical expertise in the field of medical imaging. This program focuses on the principles, techniques, and applications of ultrasound in diagnosing and managing a wide range of medical conditions. Students will gain in-depth understanding of ultrasound physics, instrumentation, and imaging protocols, along with specialized training in abdominal, obstetric, gynecological, vascular, musculoskeletal, and small parts ultrasound. The curriculum emphasizes both the theoretical foundations and the clinical applications.

ensuring graduates are well-prepared for professional practice and research. A strong background in diagnostic ultrasound equips students for careers in healthcare, teaching, and research, while also enabling them to contribute to advancements in medical imaging technologies and patient care.

Why Choose MS Diagnostic Ultrasound at TUF?

- **Expert Faculty:** Learn from highly qualified radiologists, sonographers, and imaging specialists with extensive clinical and academic experience.
- **Hands-on Training:** Gain practical skills through supervised clinical rotations, simulation labs, and direct exposure to real patient cases.
- **Research and Innovation:** Opportunities to engage in research projects that explore emerging trends and innovations in diagnostic ultrasound.
- **Career-Focused Curriculum:** Program designed to meet global standards, enhancing employability in hospitals, diagnostic centers, and academic institutions.

Program Objectives

The MSDU program mission is supported by the following program goals and objectives:

- In gynecology, it helps in evaluating the uterus, ovaries, and other reproductive organs for conditions such as ovarian cysts, fibroids, and pelvic

- inflammatory disease.
- It aids in diagnosing conditions like liver cirrhosis, gallstones, pancreatitis, renal cysts, and urinary tract infections.
- It assists in diagnosing conditions like deep vein thrombosis (DVT), carotid artery disease, peripheral arterial disease (PAD), and aneurysms.
- It aids in diagnosing conditions such as tendonitis, bursitis, ligament tears, muscle tears, and joint effusions.
- Breast ultrasound is often used as a supplemental imaging modality alongside mammography for evaluating breast abnormalities, characterizing breast masses, and guiding breast biopsies. It is particularly useful for distinguishing between cystic and solid lesions.
- Ultrasound guidance is invaluable for performing various minimally invasive procedures, such as biopsies, aspirations, injections, and catheter placements. It enhances accuracy and reduces the risk of complications by providing real-time imaging guidance.

Career Scope & Opportunities

The scope of medical diagnostic ultrasound continues to expand with advancements in technology, techniques, and applications, offering clinician's valuable insights into a wide range of medical conditions across different patient populations. The scope of medical diagnostic ultrasound is extensive, encompassing various fields as:

- Sonographer
- Sonographical Administrator
- Radiological assistant
- Researches
- Lecturer

MS Diagnostic Ultrasound – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
MDU-701	Medical Ultrasound Physics and Instrumentation	3(3-0)
MDU-702	Abdominal Ultrasound	3(2-1)
MDU-703	Gynecological Ultrasound	3(2-1)
MDU-704	Obstetrical Ultrasound	3(2-1)
Credit Hours		12(9+3)

Semester II		
Course Code	Course Title	Credit Hours
MDU-705	Musculoskeletal Ultrasound	3(2-1)
MDU-706	Advances in Ultrasound & Small parts Ultrasound	3(2-1)
GEN-700	Biostatistics & Research Methodology	3(3-0)
MDU-707	Patient Safety & Medical Ethics	3(3-0)
Credit Hours		12 (10+2)

Semester III & IV		
Course Code	Course Title	Credit Hours
MDU-720	Research Work & Thesis	6(0-6)
Credit Hours		30

Courses Breakup General Educational Courses (GEN)

Course Code	Course Title	Credit Hours
GEN-700	Biostatistics & Research Methodology	3(3-0)

Elective

Course Code	Course Title	Credit Hours
MDU-707	Patient Safety & Medical Ethics	3(3-0)

Disciplinary/ Major Courses (OPT)

Course Code	Course Title	Credit Hours
MDU-702	Abdominal Ultrasound	3(2-1)
MDU-703	Gynecological Ultrasound	3(2-1)
MDU-701	Medical Ultrasound Physics and Instrumentation	3(3-0)
MDU-704	Obstetrical Ultrasound	3(2-1)
MDU-705	Musculoskeletal Ultrasound	3(2-1)
MDU-706	Advances in Ultrasound & Small parts Ultrasound	3(2-1)
MDU-720	Research Work & Thesis	6(0-6)

Frequently Asked Questions (FAQs)

1. What is the duration of the MS Diagnostic Ultrasound program?

The MS Diagnostic Ultrasound program typically spans two years, comprising coursework, clinical training, and a research thesis.

2: Can I pursue a PhD after completing MS Diagnostic Ultrasound at TUF?

Yes, graduates of the MS Diagnostic Ultrasound program may become eligible to apply for relevant PhD programs in medical imaging, radiological sciences, or allied health sciences, depending on specific admission criteria.

3: Are there any internship or practical components in this program?

Yes, the program includes extensive hands-on training, clinical rotations, and practical sessions in affiliated hospitals and diagnostic centers.

4: What kind of facilities are available for MS Diagnostic Ultrasound students at TUF?

Students have access to state-of-the-art ultrasound labs, and clinical training facilities to ensure high-quality learning and research opportunities.

5: Is there any scholarship available for this program?

Yes, scholarships are available based on merit and need. Additionally, alumni of the university are eligible for a 20% scholarship. Applicants are encouraged to visit the university's official website for the latest updates.

Department of Medical Laboratory Sciences

Vision

To be a leading global center in precision diagnostics through continuous discovery, research, innovation, and education.

Mission

To be a leading center of excellence in medical laboratory sciences, dedicated to advancing healthcare through innovative research, exceptional education, and the highest standards of clinical laboratory practice.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-medical-laboratory-science>

BS Medical Laboratory Technology

Department of Medical Laboratory Sciences

Short Title: BSMLS

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 131

Eligibility: Minimum FSc (Pre-Medical) or equivalent (with at least 50% marks, as per institutional requirements). Candidates with diplomas in medical/health sciences may be considered based on institutional policies.

Introduction

The BS Medical Laboratory Technology program is a 4-years professional degree that prepares students to work in modern medical labs. This program helps students learn how to test blood, tissues and other samples to find diseases and support doctors in patient care. With hands-on lab work and practical training, students build strong technical and problem-solving skills needed in the healthcare field.

This degree offers a complete learning journey that includes modern laboratory equipment, testing methods and the latest healthcare technologies. Students are also guided by experienced faculty to build confidence and gain real-world exposure. It provides a strong base for medical technologist education in Pakistan and abroad.

Why BS Medical Laboratory Technology?

Choosing BS Medical Laboratory Technology at the

University of Faisalabad means stepping into a program designed to prepare you for one of the most in-demand professions in modern healthcare. At TUF, we combine academic excellence with practical, hands-on experience to ensure our graduates are confident, competent, and career-ready. Students learn how to test blood, tissues and other samples to find diseases and support doctors in patient care—skills highly valued in hospitals and laboratories.

The University of Faisalabad provides extensive clinical training opportunities through its affiliated hospitals and diagnostic centers. This enables students to apply their theoretical knowledge in real-world medical environments, a key advantage for professional growth. The program is led by highly qualified and experienced professionals who bring both academic knowledge and industry insights to the classroom.

Program Objectives

- Achieving technical mastery in performing complex biochemical, hematological, and microbiological analyses.
- Implementing rigorous quality control and biosafety protocols within clinical laboratory settings.
- Driving innovation in diagnostic sciences through evidence-based research and laboratory data interpretation.
- Navigating ethical challenges in patient data management and professional healthcare reporting.

Career Scope & Opportunities

After completing BS Medical Laboratory Technology, graduates can find jobs in many areas of the healthcare system. Career options include:

- Medical Laboratory Technologist in tertiary care hospitals
- Molecular Biologist or Forensic Scientist
- Laboratory Quality Assurance Manager
- Diagnostic Consultant for multinational healthcare firms
- Blood Bank Supervisor or Histotechnologist
- Academic Lecturer or Research Scientist

Practical training, internships & research exposure

Students gain hands-on experience through:

- Comprehensive clinical rotations in Hematology, Chemical Pathology, and Immunology departments.
- Supervised training in PCR (Polymerase Chain Reaction) and DNA extraction techniques.
- Participation in community health screening and epidemic surveillance projects.
- Mandatory research thesis focusing on local disease prevalence and diagnostic accuracy

BS Medical Laboratory Technology Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ENG-107	Functional English	3(3-0)
BIOC-101	Biochemistry	3(2-1)
GEN-105	Creative Arts	2(2-0)
PHYSL-102	Physiology	3(2-1)
ISL-103	Teachings of Holy Quran-I	NC
ETH-100	Ethics (for non-Muslims)	NC
MLS-111	Fundamental of Medical Laboratory Sciences	3(3-0)
Credit Hours		16

Semester II

Course Code	Course Title	Credit Hours
CS-102	Applications of Information & Communication Technologies	3(2-1)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran- II	NC
MLS-313	Histology	3(2-1)
BIOC-302	Molecular Biology	3(3-0)
ANA-101	Anatomy	3(2-1)
Credit Hours		17

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran -III	NC
GEN-202	Environmental Studies	3(2-1)
PSY-201	Psychology	2(2-0)
PHARM-201	Pharmacology	3(2-1)
PATH-201	Pathology	3(3-0)
MLS-201	Hematology	3(2-1)
GEN-206	Entrepreneurship	2(2-0)
Credit Hours		16

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran -IV	NC
GEN-201	Quantitative Reasoning- I	3(3-0)
GEN-203	Community service Learning	2(2-0)
CHEM-203	Clinical Chemistry	3(2-1)
MLS-213	Biosafety and Biohazards	3(3-0)
NU-301	Basic Nursing Skills	2(1-1)
MLS-317	Laboratory Genetics	3(3-0)
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
GEN-303	Quantitative Reasoning- II	3(3-0)
MLS-411	Transfusion Hematology and Blood Banking	3(2-1)
CM-402	Public Health and Epidemiology	3(3-0)
MLS-311	Advanced Pathology	3(2-1)
MLS-312	Parasitology	3(2-1)
MLS-421	Advance Medical Laboratory instrumentation	2(2-0)
Credit Hours		17

Semester VI

Course Code	Course Title	Credit Hours
GEN-302	Patient Care	2(2-0)
MLS-301	Infection Control	3(3-0)
MLS-314	Cytology and Cytotechnology	3(2-1)
MLS-316	Immunology & Serology	3(2-1)
PATH-202	Clinical Microbiology	3(2-1)
Credit Hours		17

Summer

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)

Note: No course will be enrolled during internship

Semester VII

Course Code	Course Title	Credit Hours
MLS-412	Cytopathology	3(2-1)
MLS-413	Clinical Virology and Mycology	3(2-1)
MLS-414	Immunohematology	3(2-1)
MLS-415	Histotechnology and Special Stains	2(0-2)
MLS-416	Clinical Practice-I	3(0-3)
MLS-214	Forensic Sciences	3(3-0)
Credit Hours		17

Semester VII

Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
MLS-417	Systematic Diagnostic in Bacteriology	3(2-1)
MLS-418	Histopathology	3(2-1)
MLS-419	Clinical Practice-II	3(3-0)
MLS-315	Advanced Clinical Chemistry and Body Fluid Examination	3(2-1)
Credit Hours		15
Total Credit Hours		131

Frequently Asked Questions (FAQs)

1. What is BS Medical Laboratory Technology?

It's a 4-year degree program that trains students to work in medical labs and support disease diagnosis.

2. What is the eligibility for BS Medical Laboratory Technology?

Students must have completed Intermediate (Pre-Medical) with at least 45% marks.

3. What can I do after a BS Medical Laboratory Technology degree?

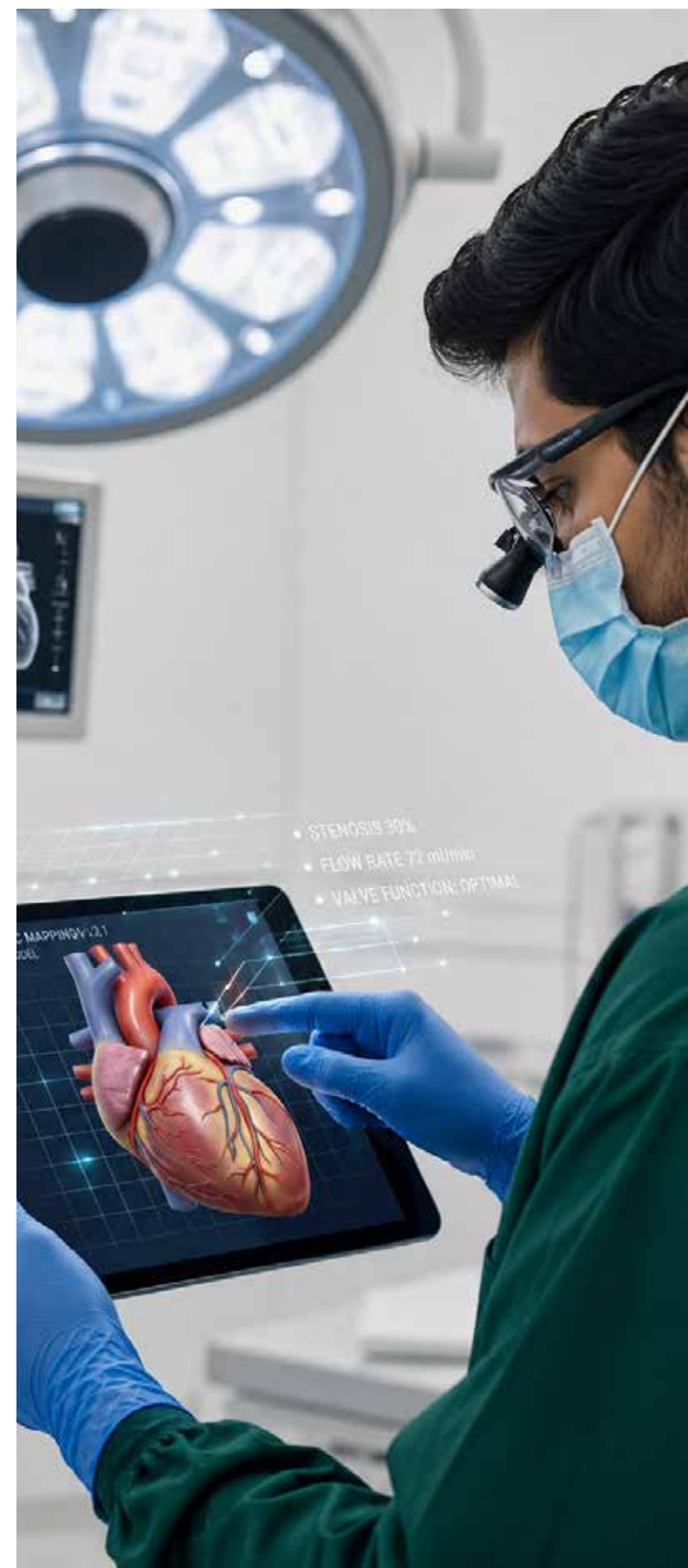
You can work as a lab technologist, lab assistant or research technician in hospitals and labs.

4. Is BS Medical Laboratory Technology a good career in Pakistan?

Yes, it offers strong job opportunities in the healthcare and research sectors.

5. Does this program include practical lab training?

Yes, students get hands-on clinical laboratory training during their studies.





BS Microbiology

Department of Medical Laboratory Sciences

Short Title: BSMBG

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 130

Eligibility: Minimum FSc (Pre-Medical) or equivalent (with at least 50% marks, as per institutional requirements). Candidates with diplomas in medical/health sciences may be considered based on institutional policies.

Introduction

The BS Microbiology program is a 4-year undergraduate degree designed to provide in-depth knowledge of microorganisms, including bacteria, viruses, fungi, and parasites. Students learn how these organisms affect human health, the environment, and industries such as food, pharmaceuticals, and biotechnology. The program combines theoretical study with practical laboratory training, giving students hands-on experience in microbiology techniques, diagnostic methods, and research projects. Graduates are equipped to work confidently in healthcare, research, and industrial microbiology sectors.

Why Choose BS Microbiology at TUF?

Choosing BS Microbiology at The University of Faisalabad (TUF) offers students a strong foundation in science, research, and professional practice. Key benefits include:

- Expert Faculty: Learn from experienced microbiologists and healthcare educators.
- Modern Laboratories: Hands-on training with state-of-the-art microbiology equipment.
- Research Opportunities: Participate in projects that explore microbiology applications in healthcare, food, and biotechnology.
- Clinical Exposure: Apply theoretical knowledge in practical settings through lab work and hospital-affiliated training.
- Career-Ready Skills: Develop analytical, technical, and problem-solving skills essential for professional success.

Program Objectives

Graduates of BS Microbiology will be able to:

- Identify, isolate, and analyze microorganisms in clinical, environmental, and industrial settings.
- Apply laboratory techniques and quality control methods in microbiology.
- Integrate theoretical knowledge with practical experience for accurate diagnostics.
- Conduct research in microbiology, contributing to innovations in healthcare, food safety, and biotechnology.
- Pursue careers in healthcare, research, education, and industrial microbiology sectors.

Training & Practical Exposure

BS Microbiology students gain extensive hands-on

laboratory and clinical training, including:

- Supervised lab sessions in microbiology, immunology, and molecular biology.
- Exposure to modern laboratory equipment and diagnostic methods.
- Practical projects and experiments in hospital-affiliated or research labs.
- Application of theoretical knowledge in real-world healthcare, food, and biotechnology settings.

This practical exposure ensures graduates are confident and career-ready.

Career Scope & Opportunities

Graduates of BS Microbiology can pursue diverse career paths in healthcare, research, and industry, including:

- Microbiologist in hospitals, research labs, or industry
- Laboratory Technician in clinical or research laboratories
- Quality Control Officer in the pharmaceutical or food industries
- Research Assistant in healthcare, biotechnology, or environmental labs
- Infection Control Specialist in hospitals and public health organizations
- Further specialization can lead to advanced research, teaching, or international opportunities in microbiology and biotechnology fields.

BS Microbiology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies /Ethics	2(2-0)
ENG-107	Functional English	3(3-0)
GEN-105	Creative Arts	2(2-0)
GEN-101	Cell biology	3(2-1)
PHSL-102	Physiology	3(2-1)
BIO-101	Biochemistry	3(2-1)
ISL-103	Teachings of Holy Quran-I	NC
Credit Hours		16

Semester II		
Course Code	Course Title	Credit Hours
GEN-104	Ideology & constitution of Pakistan	2(2-0)
CS-102	Applications of Information & Communication Technologies	3(2-1)
ENG-108	Expository Writing	3(3-0)
GEN-202	Ecology, Biodiversity & Evolution I	3(3-0)
MIC-111	Fundamentals of Microbiology-I	4(2-2)
BIOC-203	Molecular biology & Genetics	2(2-0)
ISL-104	Teachings of Holy Quran-II	NC
Credit Hours		17

Semester III		
Course Code	Course Title	Credit Hours
GEN-202	Environmental Studies	3(2-1)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
PHARM-201	Pharmacology	3(2-1)
MIC-201	Fundamentals of Microbiology-II	4(2-2)
CM-402	Public Health & Epidemiology	3(3-0)
ISL-201	Teachings of Holy Quran -III	NC
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
GEN-201	Quantitative reasoning-I	3(3-0)
GEN-203	Community Service Learning	2(2-0)
PATH-302	Immunology	3(3-0)
PATH-202	Clinical Microbiology	3(2-1)
BT-416	Biosafety & Bioethics	2(2-0)
BIOC-302	Molecular Biology	3(3-0)
ISL-202	Teachings of Holy Quran -IV	NC
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
BT-312	Microbial Biotechnology	3(2-1)
MIC-301	Mycology	3(3-0)
MIC-302	Clinical Bacteriology	3(2-1)
GEN-303	Quantitative Reasoning-II	3(3-0)
MIC-303	Microbial Taxonomy	3(2-1)
MIC-304	Environmental Microbiology	3(3-0)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
BT-211	Bioinformatics	3(2-1)
BT-317	General Virology	3(3-0)
MIC-311	Bacterial Genetics	3(2-1)
MIC-312	Soil Microbiology	3(2-1)
MIC-313	Microbial Anatomy & Physiology	3(2-1)
Credit Hours		15

Summer		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Semester VII		
Course Code	Course Title	Credit Hours
MIC-401	Genetic Engineering	3(2-1)
BT-315	Nano biotechnology	3(3-0)
MIC-402	Medical virology	3(3-0)
MIC-403	Industrial Microbiology	3(2-1)
MIC-404	Biosafety and Risk Management	3(3-0)
Credit Hours		15

Semester VIII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
MIC-411	Advances in Molecular Techniques	3(2-1)
MIC-412	Food and Dairy Microbiology	3(3-0)
MIC-413	Molecular Mechanism of Antimicrobial Agent	3(3-0)
Credit Hours		12
Total Credit Hours		129

Frequently Asked Questions (FAQs)

1. What is the duration of BS Microbiology?

The program is 4 years long, divided into 8 semesters.

2. What is the eligibility for admission?

Students must have completed F.Sc. (Pre-Medical) or equivalent with at least 45–60% marks.

3. Does the program include practical lab work?

Yes, students get extensive hands-on training in microbiology labs and hospital-affiliated settings.

4: What careers are available after BS Microbiology?

Graduates can work in hospitals, research centers, pharmaceutical companies, food industries, and public health institutions.

5: Is BS Microbiology a good career choice in Pakistan?

Yes, it offers strong career opportunities in healthcare, research, biotechnology, and food safety industries.



MPhil Microbiology

Department of Medical Laboratory Sciences

Short Title: M Phil MBG

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 30

Eligibility: 16 years of education or four years of education after HSSC/Grade 12 (minimum 120 credit hours) with minimum CGPA 2.5/4.00 may apply for admission in MS-MLS.

Bachelors of Medical Lab Sciences, Microbiology, MBBS, BDS and MLT or a related field from a recognized university or institution.

The students have to clear the test with a minimum 50% cumulative score for admission in MPhil/MS or equivalent Program.

Introduction

The MPhil Microbiology program at The University of Faisalabad is a 2-year postgraduate degree designed to provide advanced knowledge and practical skills in microbiology. The program covers the study of microorganisms, their impact on human and animal health, environmental applications, and industrial uses, while combining hands-on laboratory training with research-focused learning. Graduates are prepared for professional roles in healthcare, research, industry, and for pursuing PhD studies.

Why Choose MPhil Microbiology at TUF?

MPhil Microbiology at TUF offers a research-oriented and

practical learning environment guided by experienced faculty. Students gain hands-on training with modern laboratory equipment and work on projects exploring microbial roles in health, industry, and the environment. The program develops skills in laboratory techniques, research, and applied microbiology, while also providing a strong foundation for further PhD studies, making it ideal for students passionate about science, research, and innovation.

Program Objectives

Graduates of MPhil Microbiology will be able to:

- Conduct advanced microbiological analysis in clinical, industrial, and research settings.
- Apply modern laboratory techniques and quality control practices.
- Integrate research skills with practical lab experience for innovative solutions.
- Contribute to public health, environmental safety, and the biotechnology sectors.
- Pursue further studies such as a PhD in Microbiology, Biotechnology, or related disciplines.

Training & Practical Exposure

MPhil Microbiology students gain extensive hands-on laboratory and research training, including:

- Supervised lab work in clinical microbiology, molecular biology, and biotechnology.

- Use of modern equipment for microbial identification, culture, and diagnostic analysis.
- Conducting independent research projects under faculty guidance.
- Application of microbiological techniques in hospitals, research labs, industries, and environmental studies.

This training ensures graduates are ready for professional roles and research-oriented careers.

Career Scope & Opportunities

Graduates of MPhil Microbiology can pursue careers in healthcare, research, industry, and public health, including:

- Laboratory Specialist in hospitals and clinical labs
- Research Associate in the pharmaceutical, biotech, or food industries
- Quality Control Officer in industrial microbiology and biotechnology firms
- Consultant or Scientist in the environmental and public health sectors
- Lecturer or researcher in universities and research institutions

The program also prepares students for PhD studies and advanced research positions globally.

MPhil Microbiology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-700	Advanced Research Methodology	3(3-0)
MCB-702	Advances in Microbiological Techniques	3(3-0)
MCB-XXX	Elective-I	3(3-0)
MCB-XXX	Elective-II	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
STAT-700	Biostatistics	3(3-0)
MCB-XXX	Elective-III	3(3-0)
MCB-XXX	Elective-IV	3(3-0)
MCB-XXX	Elective-V	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
Semester III & IV	Biostatistics	3(3-0)
Credit Hours		30

List of Elective Courses		
Course Code	Course Title	Credit Hours
MCB-704	Microbial Biotechnology	3(3-0)
MCB-705	Industrial Microbiology	3(3-0)
MCB-706	Renewable Bioenergy	3(3-0)
MCB-707	Biodegradation	3(3-0)
MCB-708	Management of Infectious waste	3(3-0)
MCB-709	Environmental Microbiology and Public Health	3(3-0)
MCB-710	Clinical Bacteriology	3(3-0)
MCB-711	Microbial Enzyme Technology	3(3-0)
MCB-712	Food and Dairy Microbiology	3(3-0)
MCB-713	Advances in soil Microbiology	3(3-0)

Frequently Asked Questions (FAQs)

- 1. What is the duration of the MPhil Microbiology?**
The program is 2 years long, divided into 4 semesters.
- 2: Who can apply for MPhil Microbiology?**
Graduates with a BS in Microbiology, Biotechnology, Biochemistry, or related fields are eligible.
- 3: Is there an entry test required?**
Yes, applicants must pass the TUF Entry Test or an equivalent GAT/General exam.
- 4: What career options are available after MPhil Microbiology?**
Graduates can work in hospitals, research labs, pharmaceutical companies, food industries, and public health organizations.
- 5: Does the program include practical lab training?**
Yes, students receive extensive hands-on training using advanced microbiology techniques and laboratory equipment.



MS Medical Laboratory Sciences

Department of Medical Laboratory Sciences

- Short Title:** MSMLS
- Study Level:** Postgraduate
- Duration:** 4 Semesters (2 Years)
- Credit Hours:** 30
- Eligibility:** Sixteen years of education or four years of education after HSSC/Grade 12 (minimum 120 credit hours) with a minimum CGPA 2.5/4.00 may apply for admission in MS-MLS.
- Bachelor of Medical Lab Sciences, Microbiology, MBBS, BDS, and MLT or a related field from a recognized university or institution.
- The students have to clear the test with a minimum 50% cumulative score for admission in MPhil/MS or equivalent Program.

Introduction

The Master of Science in Medical Laboratory Sciences at The University of Faisalabad is a 2-year postgraduate program designed to provide advanced knowledge and practical expertise in laboratory testing and medical research. Students gain hands-on experience with modern diagnostic techniques, microbiology, pathology, and clinical testing, preparing them for professional roles in hospitals, research labs, and public health organizations, as well as for higher studies or specialized certifications.

Why Choose MS Medical Laboratory Sciences at TUF?

This program offers a research-focused and practical learning environment with access to modern laboratories

and experienced faculty. Students develop advanced laboratory and research skills while working on real-world health problems, preparing them for careers in hospitals, diagnostic centers, research institutes, and public health departments. The degree also provides a strong foundation for further studies or professional certifications, making it ideal for students aiming for a rewarding career in healthcare and medical research.

Program Objectives

Graduates of this program will be able to:

- Perform advanced laboratory testing and clinical analysis.
- Apply modern microbiology, pathology, and diagnostic techniques.
- Conduct research and interpret results for healthcare and public health applications.
- Contribute to hospital labs, research institutes, and public health projects.
- Pursue higher education or specialized professional certifications.

Training & Practical Exposure

- Hands-on lab training in clinical testing, microbiology, and pathology.
- Use of modern diagnostic equipment for advanced laboratory techniques.
- Supervised research projects to develop practical and analytical skills.

- Application of laboratory techniques in hospitals, research labs, and public health settings.

Career Scope & Opportunities:

Graduates can pursue careers in:

- Hospital and clinical laboratories
- Diagnostic and research centers
- Public health organizations
- Teaching and training institutes

MS Medical Laboratory Sciences Scheme of Studies

Zero Semester

Course Code	Course Title	Credit Hours
MLS-111	Fundamental of Medical Lab Sciences	3(3-0)
MLS-313	Histology	3(2-1)
CHEM-203	Clinical chemistry	3(2-1)
Credit Hours		09

Semester I

Course Code	Course Title	Credit Hours
GEN-700	Advanced Research Methodology	3(3-0)
BIOC-701	Advanced Biochemical Techniques	3(1-2)
MLS -701	Advanced Medical Laboratory Instrumentation	3(3-0)
MLS -702	Advanced Histotechnology	3(3-0)

Semester II

Course Code	Course Title	Credit Hours
STAT-701	Biostatistics	3(3-0)
MLS -703	Molecular Pathology and Cytotechnology	3(3-0)
MLS -XXX	Elective-I	3(2-1)
MLS -XXX	Elective-II	3(2-1)

Semester III to IV

Course Code	Course Title	Credit Hours
MLS -720	Thesis	6(0-6)
Credit Hours		06
Total Credit Hours		30

List of Elective Courses

Course Code	Course Title	Credit Hours
MLS-704	Advanced Clinical Chemistry	3(2-1)
MLS-705	Advanced Diagnostic Microbiology	3(2-1)
MLS-706	Transfusion Medicine	3(2-1)
MLS-707	Advanced clinical Immunology	3(2-1)
MLS-708	Advanced clinical Bacteriology	3(2-1)
MLS-709	Advanced Molecular Diagnostics	3(2-1)
MLS-710	Advanced Clinical Hematology	3(2-1)

Frequently Asked Questions (FAQs)

1. What is the duration of the Master of Science in Medical Laboratory Sciences?

The program is 2 years long, divided into 4 semesters.

2. Who can apply for the program?

Students with 16 years of education in Medical Lab Sciences, Microbiology, MBBS, BDS, or related fields.

3. Is this program practical or research-based?

It includes both hands-on lab training and research work.

4: What jobs can I get after completing this program?

Graduates can work in hospitals, research labs, diagnostic centers, and public health departments.

5: Does this degree help in career growth?

Yes, it provides advanced lab skills and research knowledge for strong career opportunities.



Department of Nutrition and Dietetics

Vision

To Empowering individuals and communities through and dietetics education, research, and practice; fostering health and wellness to build a healthier and more sustainable society.

Mission

To educate, innovate, and advocate for dietary practices that promote health, prevent disease, and enhance well-being across diverse populations. Prepare future leaders through rigorous academic programs, transformative research, and community engagement in the field of nutrition and dietetics, to address current and emerging health challenges.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-nutrition-and-dietetics>



BS Human Nutrition and Dietetics

Department of Nutrition and Dietetics

Short Title: BSHND

Study Level: Undergraduate

Duration: 4 years (8 semesters)

Credit Hours: 140

Eligibility: Intermediate (pre-medical) or recognized equivalent with 50% marks

Introduction

The BS Human Nutrition & Dietetics at TUF is a four-year professional degree focused on the science of food and its impact on human health. It bridges the gap between clinical medicine and preventive wellness through evidence-based diet therapy and nutritional counseling.

Why Choose BS Human Nutrition and Dietetics at TUF?

The University of Faisalabad offers a student-centered learning experience with:

- Direct exposure to patient meal planning at Madinah Teaching Hospital (MTH).
- Access to advanced tools for Body Composition Analysis (BCA) and biochemical testing.
- Regular participation in community-based "Nutrition Camps" for mother and child healthcare.

Program Objectives

- To master the art of therapeutic diet planning for chronic diseases like diabetes, hypertension, and obesity.
- To develop proficiency in conducting comprehensive nutritional assessments and anthropometric measurements.
- To apply scientific principles of food safety and metabolic nutrition in clinical and community settings.

Career Scope and Opportunities:

Graduates of the BS Nutrition & Dietetics program can pursue careers in:

- Clinical Dietitian (Hospitals & Renal Centers)
- Pediatric & Sports Nutritionist
- Public Health Consultant (NGOs like UNICEF, WHO)
- Wellness Coach & Metabolic Specialist
- Quality Control Officer (Food & Beverage Sector)
- With increasing global focus on nutrition and wellness, this degree opens doors to diverse and rewarding career paths.

Practical training, internships & research exposure (optional)

Students gain hands-on experience through:

- Mandatory clinical internships focusing on enteral and parenteral nutrition in hospital wards.
- Hands-on practice in diet counseling, calorie counting, and customized meal preparation.
- Research projects focused on local dietary habits and the prevalence of nutritional deficiencies.

BS Human Nutrition and Dietetics – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-101/ ETH-100	Islamic Studies OR Ethics (non-Muslim)	2(2-0)
ENG-107	Functional English	3(3-0)
PHSL-102	Physiology	3(2-1)
GEN-105	Creative Arts	2(2-0)
HND-111	Fundamentals of Human Nutrition	3(3-0)
HND-113	Essentials of Food Science and Technology	3(2-1)
ISL-105/ETH	Understanding of Quran I/Ethics I	1(0-1)
PS-101	Pakistan Studies	2(2-0)
Credit Hours		19

Semester II

Course Code	Course Title	Credit Hours
ANA-101	Anatomy	3(2-1)
ENG-108	Expository Writing	3(3-0)
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
CS-102	Applications of Information and Communication Technologies	3(2-1)
HND-211	Macronutrients in Human Nutrition	3(3-0)
HND-210	Infant and Young Child Feeding	3(2-1)
ISL-106/ETH-104	Understanding of Quran II/Ethics II	1(0-1)
Credit Hours		18

Semester III

Course Code	Course Title	Credit Hours
GEN-202	Environmental Studies	3(2-1)
GEN-206	Entrepreneurship	2(2-0)
GEN-207	Quantitative Reasoning-I	3(3-0)
PHARM-201	Pharmacology	3(2-1)
PATH-201	Pathology	3(3-0)
HND-311	Micronutrients in Human Nutrition	3(3-0)
ISL-201	Teaching of Holy Quran -III	NC
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
GEN-303	Quantitative Reasoning-II	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-203	Civics and Community engagement	2(2-0)
HND-214	Assessment of Nutritional Status	3(2-1)
HND-310	Nutrition through Life Cycle	3(3-0)
HND-415	Metabolism of Nutrients	3(3-0)
ISL-202	Teaching of Holy Quran -IV	NC
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
HND-314	Food Microbiology	3(2-1)
HND-303	Food and Drug Laws	2(2-0)
HND-215	Food Safety and Quality Management	2(2-0)
HND-212	Nutritional Education and Public Health	3(2-1)
HND-317	Meal Planning and Management	3(2-1)
HND-320	Dietetics I	3(2-1)
Credit Hours		16

Semester VI

Course Code	Course Title	Credit Hours
HND-312	Food Analysis	3(1-2)
HND-412	Food Chemistry	2(2-0)
HND-319	Dietetics II	3(2-1)
HND-316	Nutritional Deficiency Disorders	3(3-0)
HND-318	Nutrition in Emergencies	2(2-0)
HND-416	Food Supplements	2(2-0)
STAT-302	Biostatistics	3(3-0)
Credit Hours		18

Summer

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		3

Semester VII

Course Code	Course Title	Credit Hours
HND-418	Nutritional Immunology	3(3-0)
HND-413	Sports Nutrition	3(2-1)
HND-414	Food Toxins and Allergens	3(3-0)
HND-424	Nutritional Practices in Clinical Care	3(2-1)
HND-409	Global Food Issues	3(3-0)
GEN-310	Research Methodology	3(3-0)
Credit Hours		18

Semester VIII		
Course Code	Course Title	Credit Hours
HND-423	Functional Foods and Nutraceuticals	3(3-0)
HND-419	Preventive Nutrition	3(3-0)
HND-420	Drug Nutrient Interactions	3(3-0)
HND-422	Supervised Clinical Practices	3(0-3)
GEN-402	Research Project	3(0-3)
Total Credit Hours		15
Grand Total		140

Frequently Asked Questions (FAQs)

1. Who can apply for the BS Human Nutrition & Dietetics program at TUF?

Students with FSc Pre-Medical or equivalent qualification with at least 50% marks are eligible.

2: What is the duration of the BS program?

The program spans four years, divided into eight semesters.

3: What makes TUF's BS Human Nutrition & Dietetics program unique?

It offers a blend of academic excellence, clinical exposure, and community engagement.

4: What career options are available after graduation?

Graduates can work in hospitals, food industries, NGOs, or pursue higher studies and research.

5: Does the program include practical training?

Yes, students participate in hospital internships, lab work, and community nutrition projects.



MPhil Dietetics and Nutritional Sciences

Department of Nutrition and Dietetics

Short Title: MPDNS

Study Level: Postgraduate

Duration: 2 years (4 Semesters)

Credit Hours: 33

Eligibility: Bachelor or recognized equivalent with 50% marks.

Introduction

The MPhil Dietetics & Nutritional Sciences at TUF is a two-year advanced research degree designed for professionals aiming to specialize in metabolic health and clinical nutrition. It focuses on the deep integration of nutritional biochemistry, research methodologies, and evidence-based therapeutic interventions.

Why Choose BS Human Nutrition and Dietetics at TUF?

The University of Faisalabad offers a student-centered learning experience with:

- Direct exposure to patient meal planning at Madinah Teaching Hospital (MTH).
- Access to advanced tools for Body Composition Analysis (BCA) and biochemical testing.
- Regular participation in community-based "Nutrition Camps" for mother and child healthcare.

Program Objectives

The program aims to:

- Build advanced understanding of clinical and community nutrition.
- Provide hands on training in nutritional assessment, therapeutic diet planning, and disease management.
- Train students in study design, data analysis, and scholarly writing.
- Prepare graduates for ethical practice, international licensure, and leadership in nutrition organizations.

Career Scope and Opportunities:

Graduates of the BS Nutrition & Dietetics program can pursue careers in:

- Clinical Dietitian (Hospitals & Renal Centers)
- Pediatric & Sports Nutritionist
- Public Health Consultant (NGOs like UNICEF, WHO)
- Wellness Coach & Metabolic Specialist
- Quality Control Officer (Food & Beverage Sector)

With increasing global focus on nutrition and wellness, this degree opens doors to diverse and rewarding career paths.

MPhil Human Nutrition and Dietetics –
Scheme of Studies

Semester I & II		
Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ISL-106	Understanding of Quran II	1(0-1)
ND-702	Core-I	3(3-0)
ND-703	Core-II	3(2-1)
ND-704	Core-III	3(3-0)
ND-XXX	Elective I	3(3-0)
ND-705	Core-I	3(1-2)
GEN-700	Core-II	3(3-0)
ND-XXX	Elective II	3(3-0)
ND-XXX	Elective III	3(3-0)
Credit Hours		24

Semester III & IV		
Course Code	Course Title	Credit Hours
ND-719	Seminar	1(1-0)
ND-720	Thesis	6(0-6)
Total Credit Hours		7
Grand Total		33

Frequently Asked
Questions (FAQs)

1. Who can apply for the MPhil Dietetics & Nutritional Sciences program at TUF?

Applicants with a BS in Nutrition & Dietetics or a related field are eligible to apply.

2: What is the duration of the MPhil Dietetics & Nutritional Sciences program?

The program typically spans two years, including coursework, clinical practice, and research.

3: What makes TUF’s Dietetics & Nutritional Sciences program unique?

It combines academic rigor with practical training, supported by modern labs and clinical affiliations.

4: What career options are available after completing the program?

Graduates can work in hospitals, public health organizations, food industries, or pursue teaching and research.

5: Does the program include clinical and community nutrition training?

Yes, students gain experience through hospital rotations and community-based nutrition projects.



MS Food Science
and Technology

Department of Nutrition and Dietetics

Short Title: MSFST
Study Level: Postgraduate
Duration: 2 years (4 Semesters) Weekend Program
Credit Hours: 32
Eligibility:

- 16 years of education in Food Science and Technology, Food Science, Nutrition, Agriculture, Biochemistry, Microbiology, Biotechnology, or a related discipline with a CGPA of 2.5/4.0 (semester system) or its equivalent from an HEC-recognized university.
- GRE by the National Testing Service or a university test equivalent to GRE, with a passing score of 50%

Introduction

The Master of Science in Food Science and Technology (MSFST) program is designed to meet the growing demand for highly skilled professionals in food processing, quality assurance, food safety, manufacturing, and regulatory sectors. Fully aligned with HEC MS criteria and the updated HEC curriculum framework, the program combines academic excellence with industry-focused practical training. The weekend structure offers an ideal opportunity for working professionals to advance their expertise, managerial competencies, and problem-solving skills while continuing their careers.

Why Choose MS Food
Science and Technology
Program at TUF?

Choosing this program at TUF offers a combination of advanced academic learning and industry-oriented professional development tailored to the evolving food sector.

- Flexible weekend schedule designed for working professionals.
- Strong emphasis on food safety, quality assurance, and modern processing technologies.
- Exposure to industrial practices, food regulations, and quality management systems.
- Opportunities for research, product development, and innovation.
- Curriculum aligned with national and international food industry standards.
- Guidance from experienced faculty with academic and industrial expertise.

Program Objectives

Graduates of the MS Food Science and Technology program at TUF can pursue diverse careers in the food industry, research organizations, quality management sectors, and regulatory bodies.

- Food Technologist
- Quality Assurance/Quality Control Specialist
- Research and Development Scientist
- Food Safety Specialist

- Sensory Scientist
- Regulatory Affairs Specialist
- Food Supply Chain Manager
- Laboratory Testing Analyst
- Academic and Research Positions
- Food Entrepreneurship and Consultancy
- Food Business and Entrepreneurship Opportunities

MS Food Science and Technology – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
FST-701	Food Enzymology	3(2-1)
FST-702	Advances in Food Technology	3(2-1)
ISL-105	Understanding of Holy Quran – I	1(0-1)
FST-XXX	Elective – I	3
FST-XXX	Elective – II	3
Credit Hours		13

Semester II		
Course Code	Course Title	Credit Hours
FST-703	Physical Properties of Foods	3(2-1)
GEN-700	Advanced Research Methods	3(3-0)
ISL-106	Understanding of Holy Quran – II	1(0-1)
FST-XXX	Elective – III	3
FST-XXX	Elective – IV	3
Credit Hours		13

Semester III & IV		
Course Code	Course Title	Credit Hours
FST-720	Thesis	06
Credit Hours		06
Grand Total		32

List of Elective Courses		
Course Code	Course Title	Credit Hours
FST-721	Food Additives	3(2-1)
FST-722	Postharvest Management of Fruits and Vegetables	3(3-0)
FST-723	Milling of Cereals	3(2-1)
FST-724	Baking Science and Technology	3(2-1)
FST-725	Food Carbohydrates Chemistry and Technology	3(3-0)
FST-726	Processing of Milk and Milk Products	3(2-1)
FST-727	Advances in Food Packing	3(2-1)
FST-728	Advances in Food Microbiology	3(2-1)
FST-729	Advanced Food Chemistry	3(2-1)

Frequently Asked Questions (FAQs)

1. What are the eligibility requirements for admission into the MS Food Science and Technology program?

To apply, candidates must have completed 16 years of education in Food Science & Technology, Nutrition, Agriculture, Biochemistry, Microbiology, Biotechnology, or a related discipline. A minimum CGPA of 2.5/4.0 (semester system) from an HEC-recognized university is required. Additionally, applicants must pass a GRE-equivalent test (such as the NTS or University Entry Test) with at least a 50% score.

2. Is this program suitable for working professionals?

Yes, the program is specifically designed to accommodate the needs of working professionals. It follows a flexible weekend structure, allowing individuals currently employed in the food industry, manufacturing, or regulatory sectors to advance their specialized knowledge and managerial skills without interrupting their weekday careers.

3. What is the duration of the program and the total credit hour distribution?

The MS FST is a 2-year program consisting of a total of 32 credit hours. This includes 26 credit hours of coursework (divided into 10 courses across the first two semesters) and 6 credit hours dedicated to a research thesis in the second year.

4. What kind of career opportunities can I pursue after completing this degree?

Graduates can pursue high-level roles in food processing, dairy, and beverage industries, specifically in Quality Assurance (QA), Food Safety, and R&D. There are also significant opportunities in government food authorities, regulatory compliance bodies, entrepreneurship in the food sector, or proceeding further into doctoral studies (PhD).

5. Will I receive practical or industrial exposure during my studies?

Absolutely. The curriculum emphasizes applied learning through hands-on laboratory work, field visits to food manufacturing plants, and workshops on international standards like HACCP. The program focuses on bridging the gap between academia and industry to ensure graduates are "industry-ready" for modern technological demands.



PhD Dietetics and Nutritional Sciences

Department of Nutrition and Dietetics

Short Title: PHDDNS

Study Level: Postgraduate

Duration: 3-8 years (6-16 Semesters)

Credit Hours: 25

Eligibility: MPhil or recognized equivalent with 50% marks.

Introduction

The PhD in Dietetics and Nutritional Sciences equips scholars with advanced expertise in nutrition, integrating rigorous coursework and innovative research. Graduates gain mastery in clinical practice, public health, and industry applications, preparing to lead in managing diseases, promoting wellness, and advancing global health in alignment with sustainable development goals.

Why Choose PhD Dietetics and Nutritional Sciences Program at TUF?

The University of Faisalabad offers a student-centered learning experience with:

- Direct exposure to patient meal planning at Madinah Teaching Hospital (MTH).
- Access to advanced and biochemical testing.
- Regular participation in community-based "Nutrition Camps" for mother and child healthcare.

Program Objectives

The primary objectives of the PhD curriculum in Dietetics and Nutritional Sciences are to:

1. Develop Advanced Knowledge: Equip students with an extensive understanding of nutritional science, including biochemical, physiological, and molecular aspects of nutrition.
2. Foster Research Excellence: Promote high-level research skills, enabling students to design, conduct, and analyze original research that contributes to the scientific community and public health.
3. Encourage Interdisciplinary Learning: Integrate knowledge from related disciplines such as biochemistry, physiology, epidemiology, and public health to provide a holistic approach to nutritional science.
4. Enhance Clinical Competence: Prepare students to apply advanced nutritional knowledge in clinical settings, improving patient care through evidence-based practices.
5. Develop Leadership and Communication Skills: Train students to effectively communicate scientific knowledge and lead initiatives in diverse professional settings, including academia, healthcare, industry, and public policy.

Career Scope and Opportunities:

Graduates of the PhD program in Dietetics and Nutritional Sciences are well-prepared for a variety of career paths,

including:

- Academic Positions: Teaching and conducting research at universities and colleges.
- Research Scientists: Working in government agencies, healthcare institutions, or private industry to advance nutritional science.
- Clinical Dietitians: Providing advanced nutritional care in hospitals, clinics, and other healthcare settings.
- Public Health Nutritionists: Developing and implementing nutrition programs and policies to improve community health.
- Industry Experts: Contributing to the development and marketing of nutritional products and services.

PhD Dietetics and Nutritional Sciences
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ND-XXX	Core I	3
ND-XXX	Core II	3
—	Elective I	3
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
ND-XXX	Core III	3
ND-XXX	Core IV	3
—	Elective II	3
Credit Hours		09

Semester III		
Course Code	Course Title	Credit Hours
ND-819	Seminar	1(1-0)
ND-820	Thesis	6(0-6)
Credit Hours		07
Grand Total		25

List of Core Courses		
Course Code	Course Title	Credit Hours
ND-702	Food Deficiencies and Combating Strategies	3(3-0)
ND-704	Nutrigenomics	3(3-0)
ND-705	Analytical Techniques in Human Nutrition	3(1-2)
GEN-800	Advanced Research Methodology	3(3-0)
ND-803	Bioactive Components and Health	3(3-0)
ND-811	Food Processing and Nutrition	3(2-1)
ND-812	Nutrition and Global Health	3(3-0)
ND-813	Advanced Clinical Nutrition	3(2-1)

List of Elective Courses		
Course Code	Course Title	Credit Hours
ND-804	Nutrition and Food Systems	3(3-0)
ND-808	Advanced Nutritional Immunology	3(3-0)
ND-809	Advanced Nutrients Metabolism	3(3-0)
ND-810	Developments in Human Nutrition	3(3-0)
ND-814	Maternal and Pediatric Nutrition	3(2-1)
ND-815	Probiotics and Prebiotics	3(3-0)
ND-816	Food Biotechnology	3(3-0)
ND-817	Public Health Nutrition	3(2-1)
ND-818	Nutrition and Infectious Diseases	3(2-1)
ND-821	Innovations for Food Security	3(2-1)
STAT-701	Biostatistics	3(3-0)
BIOC-701	Advanced Biochemical Techniques	

Frequently Asked
Questions (FAQs)

- 1. Who can apply for the PhD Dietetics & Nutritional Sciences program at TUF?**
Candidates with an MPhil/MS in Dietetics & Nutritional Sciences or a related field are eligible.
- 2. What is the duration of the PhD program?**
The program typically spans 3 to 5 years, depending on research progress and dissertation completion.
- 3. What makes TUF's PhD program unique?**
It offers a strong research culture, expert supervision, and access to modern facilities and clinical settings.
- 4. What career options are available after completing the PhD?**
Graduates can work in academia, research institutions, public health organizations, and industry leadership roles.
- 5. Is research publication required during the program?**
Yes, students are expected to publish in peer-reviewed journals and present their work at academic forums.

School of Nursing

Vision

To be a leading center of excellence in nursing education, research, and practice, committed to preparing compassionate, competent, and innovative nursing professionals who will transform healthcare and promote wellness in diverse communities.

Mission

Our mission is to provide high-quality nursing education that fosters critical thinking, ethical practice, and compassionate care. We are dedicated to preparing professional nurses through evidence-based teaching, clinical excellence, and community engagement to meet the evolving health needs of society.



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BS Nursing

School of Nursing

Short Title: BSN
Study Level: Undergraduate
Duration: 8 Semesters (4 years)
Credit Hours: 135
Eligibility: Matric Science (Physics, Chemistry & Biology as compulsory subjects). FSc (Pre-Medical) with minimum 50% marks (Physics, Chemistry & Biology as compulsory subjects).

Introduction

The BS Nursing degree is a 4-year professional program that builds strong knowledge and practical skills in patient care. It is designed for students who want to work in hospitals, clinics and community health centers. This degree focuses on modern health practices and helps students become confident, responsible and skilled nurses. The program combines classroom learning with real hospital training. Students learn how to care for patients, use the latest medical equipment and understand how the health system works. This degree also helps students build leadership skills and prepare for advanced career opportunities in healthcare.

Why Choose BS Nursing at TUF?

Choosing BS Nursing is a smart step for students who want to build a stable and respected career in healthcare. TUF offers a quality learning environment with experienced faculty, modern labs and clinical

training facilities. Through the TUF nursing program, students gain hands-on experience, develop strong communication skills and learn how to make quick, safe and smart medical decisions. This program focuses on clinical nursing skills to prepare graduates for real-world healthcare challenges. Graduates are ready to work in hospitals, public health centers and specialized care units both in Pakistan and abroad.

Program Objectives

A career in nursing is full of opportunities. After completing BS Nursing, graduates can work in:

- Public and private hospitals
- Community health centers
- NGOs and international healthcare organizations
- Specialized care units like ICU, emergency, pediatrics and surgery

Graduates can also continue higher studies to become nurse educators, administrators or researchers. This field offers job security, respect and chances to grow in Pakistan and abroad.

BS Nursing – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
NURS-101	Fundamental of Nursing-I	2(2-0-2)
MIC-102	Microbiology	3(2.5-0-0.5)
AP-103	Anatomy and Physiology-I	3(3-0-0)
BIO-104	Biochemistry for Nurses	3(2-0-1)
ENG-105	English-I	2(2-0-0)
IT-106	Computer Skills	1(0-0-1)
Credit Hours		16

Semester II

Course Code	Course Title	Credit Hours
NURS-111	Fundamental of Nursing-II	4(2-1-1)
AP-112	Anatomy and Physiology-II	3(3-0-0)
CHN-113	Community Health Nursing-I	3(2-1-0)
NUT-114	Applied Nutrition	1(1-0-0)
ENG-115	English-II	2(2-0-0)
PS-117	Pak. Studies*	2(2-0-0)
IS-116	Islamiat*	2(2-0-0)
Credit Hours		17

Semester III

Course Code	Course Title	Credit Hours
AHN-201	Adult Health Nursing-I	8(4-3-1)
PP-202	Pathophysiology-I	2(1.75-0-0.25)
HA-203	Health Assessment -I	2(1-0-1)
Pharm-204	Pharmacology-I	2(2-0-0)
MA-205	Mathematics	1(1-0-0)
ENG-206	English-III	2(2-0-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
AHN-211	Adult Health Nursing-II	8(4-3-1)
PP-212	Pathophysiology-II	3(2.75-0-0.25)
HA-213	Health Assessment-II	1(1-0-1)
PSY-214	Developmental Psychology	2(2-0-0)
Pharm-215	Pharmacology-II	2(2-0-0)
ENG-221	English-IV	2(2-0-0)
NE-217	Nursing Ethics	1(1-0-0)
Credit Hours		20

Semester V

Course Code	Course Title	Credit Hours
PHN-301	Pediatrics Health Nursing	7(3-3-1)
	Community Health Nursing -II	6(2.5-2.5-1)
TLP-303	Teaching/Learning: Principles and Practices	3(3-0-0)
ENG-307	English-V	2(2-0-0)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
MHN-311	Mental Health Nursing	6(3-3-0)
STAT-312	Introduction to Biostatistics	3(2.5-0-0.5)
PSY-313	Behavioral Psychology	3(3-0-0)
EP-314	Epidemiology	2(2-0-0)
ENG-315	English-VI	2(2-0-0)
CHS-316	Culture, Health and Society	2(2-0-0)
Credit Hours		18

Semester VII

Course Code	Course Title	Credit Hours
NURS-401	Critical Care Nursing	7(2.5-4-0.5)
NURS-402	Introduction to Nursing Theories	2(2-0-0)
NURS-403	Leadership and Management in Nursing	3(2-1-0)
NURS-404	Nursing Research	3(3-0-0)
ENG-405	English-VII	2(2-0-0)
Credit Hours		17

Semester VIII

Course Code	Course Title	Credit Hours
CHN-411	Community Health Nursing-III	5(2-3-0)
SEM-412	Nursing Seminar / role transition	2(2-0-0)
CLP-413	Clinical Practicum	5(0-4-1)
Credit Hours		12
Total Credit Hours		135

Frequently Asked Questions (FAQs)

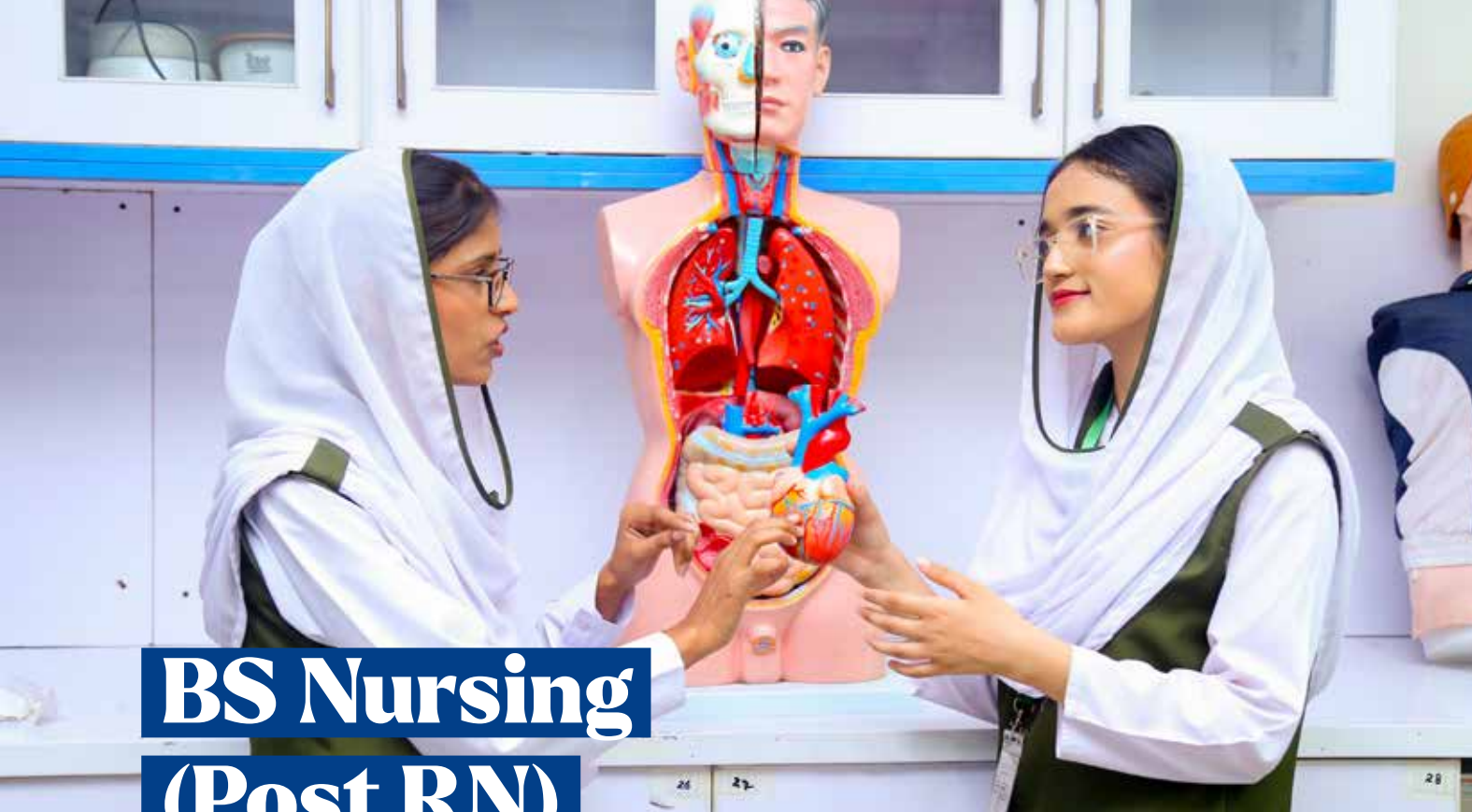
1: What is the duration of the BS Nursing program?
The BS Nursing program is 4 years long and includes 8 semesters.

2: Who can apply for BS Nursing?
Students who have completed FSc Pre-Medical with at least 50% marks can apply.

3: Is there any entry test for BS Nursing at TUF?
Yes, students must pass an entry test and interview for admission.

4: What skills will I learn in BS Nursing?
You will gain clinical nursing skills, patient care training and leadership abilities.

5: Can BS Nursing graduates work abroad?
Yes, graduates can apply for jobs in hospitals and healthcare centers internationally.



BS Nursing (Post RN)

School of Nursing

Short Title: PRN

Study Level: Undergraduate

Duration: 4 Semesters (2 years)

Credit Hours: 69

Eligibility: Matric with Science (Biology, Chemistry and Physics as compulsory subjects) or Matric Arts as per HEC Notification No.8 (61)/A&A/2018/HEC/5998 dt. 06.04.2018.

Introduction

The Bachelor of Science in Nursing (POST RN) is a professional degree designed for registered nurses who want to build stronger knowledge, improve their clinical skills and move forward in their careers. This program helps nurses gain advanced education, leadership skills and confidence to work in hospitals, community health centers and teaching roles. It gives experienced nurses a clear path to grow and take on bigger responsibilities in the healthcare field.

Why Choose BS in Nursing (POST RN) at TUF?

The Bachelor of Science in Nursing (POST RN) is a smart choice for nurses who want to continue their education and take their careers to the next level. This program focuses on practical learning, research and leadership training, making nurses ready for more advanced roles. It is also a nursing career advancement program that opens doors to better job opportunities in hospitals, clinics and teaching institutions.

Students learn modern health practices, patient care and nursing leadership and education. The program is designed to build confidence, critical thinking and strong communication skills qualities that are needed in every healthcare team.

Career Scope & Opportunities:

- After completing Bachelor of Science in Nursing (POST RN) graduates can work in:
- Senior Nursing Officer / Head Nurse
- Nursing Lecturer or Clinical Instructor
- Healthcare Administrator / Ward Manager
- Public Health Specialist & Policy Advocate
- Specialized Research Nurse

This program builds a strong base for future specialization, helping nurses grow in their careers and play an active role in improving healthcare quality in their communities.

Practical Training, Internships & Research Exposure

- Students gain hands-on experience through:
- Advanced clinical rotations focusing on specialized units like CCU, Dialysis, and Oncology.
- Hands-on training in nursing administration, curriculum development, and healthcare

- management.
- Mandatory research projects aimed at solving real-world challenges in the local healthcare system.

BS Nursing (Post RN) – Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
LS-501	Life Sciences	3(2.5-0.5)
HA-502	Health Assessment	4(3-1)
TLP-503	Teaching Learning Principles & Practice	3(3-0)
ENG-301	English- I (Functional English)	2(2-0)
IT-113	Computer	P/F
PPP-506	Patho-Physiology and Pharma -I	3(3-0)
CHS-507	Culture, Health, Society	2(2-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
CAN-511	Advance concept in nursing - I	6(3-3)
BIO-512	Introduction to biostatistics	3(3-0)
PPP-513	Patho-Physiology and Pharma-II	3(3-0)
ENG-514	English-II (Academic English)	2(2-0)
NTM-515	Intro to Nursing Theories and Models	2(2-0)
IS-616	Islamic Study	2(2-0)
Credit Hours		18

Semester III

Course Code	Course Title	Credit Hours
AMH-601	Advance Concepts in Mental Health	3(2-1)
ACH-602	Advance concepts in Community Health Nursing	3(2-1)
IR-603	Introduction to Research	3(3-0)
PDLH-604	Professional developmental & leadership in healthcare	3(3-0)
PW-605	Professional writing	2(2-0)
IEP-606	Introduction to epidemiology	2(2-0)
PS-617	Pakistan Study	2(2-0)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
	Practicum	
HCS-611 CM-612 CE-613 OHN-614	1. Health care system 2. Clinical management 3. Clinical education 4. Industrial Health Nurse/ School Health Nurse	14
SW-615	Scholarly writing	2(2-0)
Credit Hours		16
Total Credit Hours:		69

Frequently Asked Questions (FAQs)

1: What is the duration of the Bachelor of Science in Nursing (POST RN) program?

The program duration is 2 years, divided into 4 semesters.

2: Who can apply for the POST RN Nursing program?

Registered nurses with a General Nursing Diploma, Midwifery Diploma and at least 1 year of experience can apply.

3: Is the POST RN program good for career growth?

Yes, it helps nurses move into senior clinical, leadership and teaching roles.

4: Can I continue higher studies after completing this program?

Yes, graduates can pursue advanced nursing degrees and specializations.

5: Where can I work after completing POST RN?

Graduates can work in hospitals, community health centers, NGOs and nursing colleges.



Department of Dermal Sciences

Vision

To be a leading academic department in the field of Dermal Sciences, recognized globally for innovation, research, and ethical practices.

Mission

To cultivate a dynamic learning environment that equips healthcare professionals with the knowledge, skills, and ethical values necessary to excel in the field of Dermal Sciences. We are committed in shaping competent and compassionate healthcare professionals through interactive teaching, hands-on practice, and cutting-edge research. They will contribute to the advancement in the field of Dermal Sciences, making meaningful contributions to society.



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BS Aesthetics & Skincare Technology

Department of Dermal Sciences

Short Title: BS A&C

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 138

Eligibility: Intermediate Pre-Medical with minimum 50% marks or equivalent

Introduction

The BS Aesthetics and Cosmetology at TUF is a four-year undergraduate program merging skincare science with professional wellness technology. It focuses on non-invasive aesthetic procedures, cosmetic formulations, and ethical clinical practices for the global beauty industry.

Why Choose Bs Aesthetics and Cosmetology?

Choosing BS Aesthetics and Cosmetology opens the door to a fast-growing industry where skilled professionals are in high demand. This program at The University of Faisalabad (TUF) offers:

- Learn directly from practicing dermatologists, aesthetic physicians, and professional cosmetic chemists.
- Practical access to modern laser machines, skin analyzers, and cosmetic formulation setups.
- Specialized training in managing skincare clinics and launching independent cosmetic product lines.

Program Objectives

Graduates of BS Aesthetics and Cosmetology will be able to:

- To master the application of scientific techniques in skincare and advanced cosmetology.
- To develop proficiency in chemical peels, laser safety, and patient-centered aesthetic consultations.
- To foster innovation in the development and testing of safe, evidence-based cosmetic products.

Career Scope and Opportunities

After completing BS Aesthetics and Cosmetology, graduates can explore a wide range of career opportunities in the skincare and cosmetics field. Some popular roles include:

- Skincare Specialist / Aesthetician
- Cosmetic Scientist & Formulation Expert
- Dermatology Assistant (Clinical)
- Wellness Center Consultant / Manager
- Cosmetic Research Associate
- Graduates can work in hospitals, dermatology clinics, cosmetic industries, beauty salons, wellness centers, or even start their own skincare practice.

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Clinical rotations in dermatology wings and wellness centers for real-patient interaction.
- Hands-on workshops focusing on laser treatments, skin analysis, and formulation chemistry.
- Research projects aimed at developing innovative and safe skincare solutions under faculty guidance

BS Aesthetics and Cosmetology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101/ETH-100	Islamic Studies / Ethics	2(2-0)
ENG-107	Functional English	3(3-0)
GEN-105	Creative Arts	2(2-0)
ANA-101	Anatomy	3(2-1)
PHSL-102	Physiology	3(2-1)
BIOC-101	Biochemistry	3(2-1)
ISL-105/ETH-103	Understanding of Quran I / Ethics I	1(0-1)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Applications of ICT	3(2-1)
ENG-108	Expository Writing	3(3-0)
CHEM-103	Organic Chemistry	3(3-0)
DMS-211	Structure & Function of Skin	3(2-1)
DMS-111	Community & Nutritional Dermatology	3(3-0)
ISL-106/ETH-104	Understanding of Quran II / Ethics II	1(0-1)
Credit Hours		18

Semester III		
Course Code	Course Title	Credit Hours
DMS-214	Cosmetic Sciences-I (Fundamentals)	3(2-1)
GEN-202	Environmental Studies	3(2-1)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
PS-101	Pakistan Studies	2(2-0)
PHARM-201	Pharmacology	3(2-1)
GEN-207	Quantitative Reasoning I	3(3-0)
Credit Hours		19

Semester IV		
Course Code	Course Title	Credit Hours
GEN-303	Quantitative Reasoning II	3(3-0)
GEN-203	Civics and Community Engagement	2(2-0)
GEN-302	Patient Care	2(2-0)
DMS-312	Cosmetic Sciences-II (Manufacturing Cosmetic Formulations)	3(2-1)
PATH-203	Pathophysiology of Skin Diseases	3(2-1)
DMS-313	Infections and Infestations	3(2-1)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
DMS-314	Adverse Effects of Cosmetics and Drugs	3(3-0)
DMS-315	Dermatology and Internal Medicine	3(3-0)
DMS-316	Cosmetic Sciences-III (Legislation / Dispensing)	3(2-1)
DMS-317	Inflammatory Skin Diseases	3(3-0)
DMS-415	Skin Care in All Ages	2(2-0)
DMS-418	Perfumery	2(2-0)
Credit Hours		16

Semester VI		
Course Code	Course Title	Credit Hours
DMS-410	Hair, Nails and Mucosal Disorders	3(3-0)
GEN-310	Research Methodology	3(3-0)
DMS-412	Cosmetic Sciences-IV (Chemical Analysis and Stability)	3(2-1)
DMS-414	Disorders of Pigmentation	3(2-1)
DMS-417	Psychosocial Impact of Skin Disease and Health Economics	2(2-0)
DMS-518	Wound Management	3(2-1)
Credit Hours		17

Semester VII		
Course Code	Course Title	Credit Hours
DMS-416	Research Proposal	2(0-2)
DMS-411	LASERS in Aesthetics-I	4(0-4)
DMS-519	Supervised Skincare Practice I	4(1-3)
DMS-513	Cosmetic Procedures I	5(0-5)
Credit Hours		15

Semester VIII		
Course Code	Course Title	Credit Hours
DMS-511	LASERS in Aesthetics II	4(0-4)
DMS-516	Supervised Skincare Practice II	4(0-4)
DMS-517	Cosmetic Procedures II	6(0-6)
GEN-402	Research Project	3(0-3)
Credit Hours		17
Total Credit Hours		138

Internship: GEN-401 (3 credit hours)

Frequently Asked Questions (FAQs):

1: What is the duration of the BS Aesthetics and Cosmetology program?

Four years, divided into eight semesters, including theory, lab work, and clinical training.

2: What kind of practical training is included?

Hands-on experience in skincare treatments, cosmetic formulation, laser procedures, and client consultation.

3: Is the program medically affiliated?

Yes, under the Faculty of Medicine and Allied Health Sciences with clinical exposure at Madinah Teaching Hospital.

4: What career opportunities are available after graduation?

Graduates can work in dermatology clinics, wellness centers, the cosmetic industry, or start their own businesses.

5: Does TUF support research and innovation in this program?

Yes, students have access to modern labs and mentorship to conduct research and develop innovative skincare and cosmetic solutions.



Department of Dental Sciences

Vision

Our vision is to develop highly skilled professionals in dental sciences, including dental hygienists, who advance oral health through research, academic excellence, and leadership and a commitment to community well-being.

Mission

Our mission is to deliver exceptional education and training in allied dental health sciences, promoting a culture of research, academic excellence and leadership, focusing on equipping students with the knowledge, skills and values required to contribute to the broader health care system, and serve communities with integrity and compassion.



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sciences](https://tuf.edu.pk/n/departments-details/departments-of-dental-sciences)

BS Dental Hygiene

Department of Dental Sciences

Short Title: BSDH

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate (Pre-Medical) with minimum 45% marks or equivalent

Introduction

The Bachelor of Science in Dental Hygiene is a four-year undergraduate program designed to meet the evolving demands of oral healthcare and to prepare graduates to become competent, compassionate, and ethical dental hygiene professionals. As oral health is increasingly recognized as a vital component of overall health and well-being, the role of the dental hygienist has expanded beyond the traditional scope of clinical care. Students are trained not only to provide high-quality preventive and therapeutic services, but also to become proactive contributors to the advancement of oral health standards at the local, national, and global levels.

Why BS Dental Hygiene Program at TUF?

The University of Faisalabad (TUF) offers a well-designed BS Dental Hygiene program that combines comprehensive academic learning with practical clinical experience. Students benefit from:

- Access to modern clinical facilities and dental

hygiene setups.

- Expert guidance from experienced faculty and dental health professionals.
- Hands-on clinical training with patients through university-affiliated dental hospital.
- Opportunities to participate in research focused on oral health promotion and preventive care.

This effective combination of classroom instruction and clinical practice makes TUF an excellent choice for students seeking a professional career in dental hygiene.

Program Objectives

- To collaborate as members of an inter-professional team to provide oral health care services and health promotion activities to a diverse population.
- To apply the dental hygiene process of care to deliver quality, patient-centered care.
- To evaluate the outcomes of dental hygiene interventions, both preventive and therapeutic, and adjust care plans accordingly.
- To exhibit leadership by initiating and assuming responsibility for health promotion and disease prevention activities addressing the diverse needs of both urban and rural population.
- To utilize scholarly skills and scientific methods to critique and apply new and existing dental hygiene theories and research findings in practice settings.

Career Scope and Opportunities:

Upon completing this program, graduates will be qualified to work in the following areas:

- Government health facilities, hospitals, and clinics
- Teaching hospitals
- Private and public clinics
- Public Health projects
- Corporate work with dental product companies

BS Dental Hygiene Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran-I	NC
ISL-101/ETH-100	Islamic Studies/ Ethics (Non-Muslim)	2(2-0)
ENG-107	Functional English	3(3-0)
GEN-105	Creative Arts	2(2-0)
ANA-101	Anatomy	3(2-1)
PHSL-101	Physiology	3(2-1)
DHT-101	Dental Terminology and Professional Knowledge	2(2-0)
Credit Hours		15

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran-II	NC
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
ENG-108	Expository Writing	3(3-0)
CS-102	Applications of Information & Communication Technologies	3(2-1)
BIOC-101	Biochemistry	3(2-1)
ANA-205	Anatomy of Head and Neck	3(2-1)
DHT-102	Fundamentals of Dental Lab Sciences	2(2-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran-III	NC
GEN-202	Environmental Studies	3(2-1)
PSY-201	Psychology	2(2-0)
GEN-201	Quantitative Reasoning-I	3(3-0)
DHT-201	Oral Biology and Tooth Morphology	3(2-1)
DHT-202	Dental Pharmacology	3(2-1)
DHT-203	Microbiology Infection	2(2-0)
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran-IV	NC
GEN-206	Entrepreneurship	2(2-0)
GEN-303	Quantitative Reasoning-II	3(3-0)
GEN-203	Civics and Community Engagement	2(2-0)
PATH-201	Pathology	3(3-0)
DHT-204	Applied Dental Materials	3(2-1)
DT-316	Community Dentistry	3(3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
DT-413	Oral Medicine	3(3-0)
DHT-301	Elective Dental Technology	3(2-1)
DHT-302	Local Anesthesia and Pain Management	3(2-1)
DHT-303	Clinical Skills Foundation	3(1-2)
DT-202	Oral Pathology	3(2-1)
DHT-304	Bioethics	2(2-0)
Credit Hours		17

Semester VI		
Course Code	Course Title	Credit Hours
DHT-305	Preventive Dentistry	3(3-0)
DT-317	Orthodontics	3(2-1)
DT-315	Prosthodontics	3(1-2)
DT-311	Dental Instrumentation	3(2-1)
DHT-306	Medical Emergency and its Management	3(1-2)
DHT-307	Clinical Skills	3(1-2)
Credit Hours		18

Summer Semester		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Semester VII		
Course Code	Course Title	Credit Hours
DHT-401	Special Need and Geriatric Patient Management	2(2-0)
DHT-402	Biohazard Management	2(2-0)
DHT-417	Operative Dentistry	3(2-1)
DHT-403	Dental Hygiene Periodontology-I	3(1-2)
DT-420	Oral Radiology	3(1-2)
DHT-405	Dental Technology Lab	3(0-3)
Credit Hours		16

Semester VIII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
DHT-406	Dental Hygiene Periodontology-II	3(1-2)
DHT-407	Evidence Based Dental Hygiene Care	3(2-1)
DHT-408	Nutrition and Health	3(3-0)
DHT-409	Dental Aesthetics	3(1-2)
Credit Hours		15
Total Credit Hours		132

Frequently Asked Questions (FAQs)

1. What are the entry requirements for the Dental Hygiene programs?

Admission requirements : 45% marks in (FSC) pre medical is required.

2. What career opportunities are available after completing a degree in Dental Hygiene ?

Graduates of our programs have a variety of career options, including working as: Dental hygienists in dental clinics, hospitals, or private practices Educators and trainers in dental health institutions Research roles in dental health innovation Public Health Professionals: Promote dental health in communities.

3. What career opportunities are available after completing a degree in Dental Hygiene?

After completing a degree in Dental Hygiene, career opportunities extend far beyond traditional clinical practice, including roles in education, public health, corporate sales, and administration.

4. Are there any internships or clinical placements during the program?

Yes, both the Dental Hygiene and Dental Technology programs include clinical placements and internships. Students get valuable experience , ensuring they are well-prepared for professional practice upon graduation.

5. Can international students apply to the Dental Hygiene programs?

Yes, international students are welcome to apply. The University of Faisalabad provides support to help international students adjust to their studies and life in Pakistan. Detailed information about international admissions can be found on the university's official website or they can directly contact the admission office.



BS Dental Technology

Department of Dental Sciences

Short Title: BSDTS

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 130

Eligibility: Intermediate Pre-Medical with minimum second division or equivalent

Introduction

The Bachelor of Science in Dental Technology is a four-year undergraduate program designed to equip students with the knowledge and technical skills needed to design, construct, and repair a wide range of dental prostheses and appliances. Key areas of study include foundational biomedical sciences, dental materials, laboratory techniques, infection control, and the use of modern dental technologies. Students are also engaged in research projects, community outreach, and professional ethics, training preparing them for the diverse challenges of the dental healthcare field.

Why BS Dental Technology Program at TUF?

The University of Faisalabad (TUF) offers a well-structured BS Dental Technology program that integrates comprehensive academic learning with practical clinical training. Students benefit from:

- Modern dental laboratories and advanced clinical facilities.
- Expert guidance from experienced faculty and

- dental technology professionals.
- Hands-on training through university-affiliated hospital and labs.
- Opportunities for research and development in dental materials and prosthetics.

This balanced approach of theoretical knowledge and practical experience makes TUF an excellent choice for students aspiring to build a professional career in dental technology.

Program Objectives

- To develop technical proficiency in dental prosthetic design and fabrication.
- To provide foundational knowledge in dental sciences.
- To emphasize quality control and regulatory compliance.
- To create effective collaboration with dental professionals.
- To instill ethical standards and professionalism.
- To cultivate critical thinking and problem-solving skills.
- To prepare graduates for careers as dental technologists.
- To train students in advanced research methodologies and the importance of staying updated with advancements in dental technology.

Career Scope and Opportunities:

Graduates will be qualified to work in areas such as:

- Hospital dental services
- Cosmetic dentistry
- Dental laboratory technicians
- Commercial dental laboratories
- Manufacture dental prosthetic materials

BS Dental Hygiene Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran-I	NC
ISL-101/ETH-100	Islamic Studies/ Ethics (Non-Muslim)	2(2-0)
ENG-107	Functional English	3(3-0)
GEN-105	Creative Arts	2(2-0)
ANA-101	Anatomy	3(2-1)
PHSL-101	Physiology	3(2-1)
DHT-101	Dental Terminology and Professional Knowledge	2(2-0)
Credit Hours		15

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran-II	NC
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
ENG-108	Expository Writing	3(3-0)
CS-102	Applications of Information & Communication Technologies	3(2-1)
BIOC-101	Biochemistry	3(2-1)
ANA-205	Anatomy of Head and Neck	3(2-1)
DHT-102	Fundamentals of Dental Lab Sciences	2(2-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran-III	NC
GEN-202	Environmental Studies	3(2-1)
PSY-201	Psychology	2(2-0)
GEN-201	Quantitative Reasoning-I	3(3-0)
DHT-201	Oral Biology and Tooth Morphology	3(2-1)
DHT-202	Dental Pharmacology	3(2-1)
DHT-203	Microbiology Infection	2(2-0)
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran-IV	NC
GEN-206	Entrepreneurship	2(2-0)
GEN-303	Quantitative Reasoning-II	3(3-0)
GEN-203	Civics and Community Engagement	2(2-0)
PATH-201	Pathology	3(3-0)
DHT-204	Applied Dental Materials	3(2-1)
DT-316	Community Dentistry	3(3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
DT-312	Basics of Dental Lab	3(2-1)
DT-313	Dental Materials	3(2-1)
DT-413	Oral Medicine	3(2-1)
DT-202	Oral Pathology	3(2-1)
DT-314	Periodontology	3(2-1)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
MLS-301	Infection Control	3(3-0)
DT-317	Orthodontics-I	3(1-2)
DT-315	Prosthodontics-I	3(1-2)
DT-311	Dental Instrumentation	3(2-1)
DT-318	Maxillofacial Surgery-I	3(1-2)
Credit Hours		15

Summer Semester		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3) Compulsory
Credit Hours		03

Note: no course will be enrolled during internship

Semester VII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
DTH-402	Biohazard management	2(2-0)
DT-412	Prosthodontics-II	3(1-2)
DT-421	Maxillofacial Surgery-II	3(1-2)
DT-419	Orthodontics-II	3(1-2)
DT-420	Oral Radiology	3(2-1)
Credit Hours		17

Semester VIII		
Course Code	Course Title	Credit Hours
DT-421	Professional Development	2(2-0)
DTH-408	Nutrition and Health	3(3-0)
DTH-409	Dental Aesthetics	3(1-2)
DT-416	Bridge Design & Implantology	3(1-2)
DT-417	Operative Dentistry	3(1-2)
DT-415	Prosthodontics-III	3(1-2)
Credit Hours		17
Total Credit Hours		130

Frequently Asked Questions (FAQs)

1. What is BS Dental Technology?

It's a 4-year degree program training students to create dental prostheses and support dentists in oral healthcare.

2. Who can apply for BS Dental Technology at TUF?

Students with F.Sc Pre-Medical or equivalent and at least 45% marks.

3. What practical skills will I learn?

Dental lab work, fabrication and repair of prostheses, patient care, and modern dental techniques.

4. What career opportunities are available after graduation?

Graduates can work in dental clinics, hospitals, commercial labs, or pursue higher studies.

5. Does the program include hands-on training?

Yes, practical training in labs and clinical placements is an integral part of the program.



Department of Professional Health Technologies

Vision

The vision of the department of Professional Health Technology is to become a leading educational department through innovative research and quality education.

Mission

The mission of the Department of Professional Health Technology is to educate future Technologist who can contribute towards advanced clinical knowledge, cutting-edge technology, and ethical practice, advance research capabilities and lifelong learning attitude.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-health-professional-technologies>



BS Anesthesia Technology

Department of Professional Health Technologies

Short Title: BSAN

Study Level: Undergraduate

Duration: 8 Semesters (4years)

Credit Hours: 60

Eligibility: FSC Pre-Medical/equivalent with minimum 50% marks

Introduction

The BS Anesthesia Technology at TUF is a four-year undergraduate program dedicated to preparing high-level healthcare professionals. It focuses on the technical aspects of anesthesia administration and perioperative patient monitoring.

Why Choose Bs Anesthesia Technology?

Choosing BS Anesthesia Technology is a smart step for students who want a stable and rewarding career in healthcare. It is a growing field with high demand in hospitals and clinics

- Direct exposure at Madinah Teaching Hospital (MTH) for hands-on learning.
- Access to high-tech anesthesia workstations and patient simulators.
- Fully aligned with national and international healthcare standards.
- Dedicated campus facilities with a focus on professional ethics.

Program Objectives

BS Anesthesia Technology Graduates will be able:

- To develop proficiency in handling anesthesia machines and airway management devices.
- To master the skills of patient preparation and vital sign monitoring during surgery.
- To acquire the ability to respond effectively in emergency and critical care situations.

Career Scope & Opportunities

Career opportunities include:

- Anesthesia Technologist
 - Intensive Care Unit (ICU) Assistant
 - Pain Management Technician
 - Emergency Room Support Specialist
- With the right skills and training, graduates can also grow their careers by pursuing higher education or specialized certifications in anesthesia and healthcare support.

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Mandatory clinical rotations in Operation Theaters

- and recovery rooms.
- Hands-on workshops on IV cannulation and patient monitoring systems.
- Final year research project focusing on anesthesia safety and protocols

BS Anesthesia Technology

Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-101 / ETH-100	Islamic Studies / Ethics	2 (2-0)
ENG-107	Functional English	3 (3-0)
GEN-105	Creative Arts	2 (2-0)
BIOC-101	Biochemistry	3 (2-1)
PHSL-101	Physiology	3 (2-1)
AT-111	Physics Related to Anesthesia & Anesthesia Equipment	3 (2-1)
ISL-103	Teaching of Holy Quran - I	NC
Credit Hours		16 (13-3)

Semester II

Course Code	Course Title	Credit Hours
ANA-101	Anatomy	3 (2-1)
GEN-104	Ideology and Constitution of Pakistan	2 (2-0)
ENG-108	Expository English	3 (3-0)
CS-102	Applications of Information & Communication Technologies	3 (2-1)
GEN-106	Medical Ethics	2 (2-0)
NU-301	Basic Nursing Skills	2 (1-1)
ISL-104	Teaching of Holy Quran - II	NC
Credit Hours		15 (12-3)

Semester III

Course Code	Course Title	Credit Hours
AN-125	Advanced Anatomy	3 (2-1)
PATH-201	Pathology	3 (3-0)
PATH-202	Clinical Microbiology	3 (2-1)
PSY-201	Psychology	2 (2-0)
GEN-202	Environmental Studies	3 (2-1)
GEN-206	Entrepreneurship	2 (2-0)
ISL-201	Teaching of Holy Quran - III	NC
Credit Hours		16 (13-3)

Semester IV

Course Code	Course Title	Credit Hours
SUR-201	General Surgery - I	3 (3-0)
MED-201	General Medicine - I	3 (3-0)
AT-211	Anesthesia & Co-Existing Diseases	3 (2-1)
STAT-302	Biostatistics	3 (3-0)
GEN-310	Research Methodology	3 (3-0)
GEN-203	Community and Service Learning	2 (2-0)
ISL-202	Teaching of Holy Quran - IV	NC
Credit Hours		17 (15-2)

Semester V

Course Code	Course Title	Credit Hours
PHARM-201	Pharmacology	3 (2-1)
MED-301	General Medicine II	3 (3-0)
SUR-301	General Surgery II	3 (3-0)
AT-311	Types of Anesthesia	3 (2-1)
AT-312	Pre/Post-Operative Assessment, Care & Medication	3 (2-1)
AT-313	Anesthesia Related Complications & Their Management	3 (2-1)
Credit Hours		18 (14-4)

Semester VI

Course Code	Course Title	Credit Hours
GEN-302	Patient Care	2 (2-0)
MLS-201	Hematology	3 (2-1)
AT-314	Anesthesia for Cardiothoracic Surgery	3 (2-1)
GEN-301	Infection Control	2 (2-0)
AT-316	Surgical Instruments, Supplies and Equipment	3 (2-1)
AT-317	Clinical Practice in Anesthesia - I (General & Emergency)	2 (0-2)
Credit Hours		15 (11-4)

Summer Term

Course Code	Course Title	Credit Hours
GEN-401	INTERNSHIP	3 (0-3)

Semester VII

Course Code	Course Title	Credit Hours
AT-411	Fundamentals of Emergency Medical Care & Emergency Surgery	3 (2-1)
AT-412	Anesthesia for Neuro & Geriatric Emergency Surgery	3 (2-1)
AT-413	Anesthesia for Orthopedic & Urological Procedures	3 (2-1)
AT-414	Anesthesia for Eye Surgical Procedures	3 (2-1)
AT-415	Anesthesia for Obstetric & Pediatric Surgery	3 (2-1)
Credit Hours		15 (10-5)

Semester VIII		
Course Code	Course Title	Credit Hours
AT-421	Clinical Practice in Anesthesia - II (Vascular, Cardio & Obstetric)	3 (0-3)
AT-416	Evidence Based Practice (Neuro, Ortho & Urology)	3 (0-3)
AT-417	Anesthesia for Dental, Maxillofacial, Head & Neck Surgery	3 (2-1)
AT-418	Anesthesia for ENT Surgery	3 (2-1)
GEN-402	Research Project	3 (0-3)
Credit Hours		15 (4-11)
Total Credit Hours		130

Frequently Asked Questions (FAQs)

1. What is BS Anesthesia Technology?

It's a four-year degree that trains students to assist in anesthesia procedures and patient care during surgeries.

2: What is the eligibility for BS Anesthesia Technology at TUF?

Students must have Intermediate (Pre-Medical) or equivalent with at least 50% marks.

3: What kind of jobs can I get after this degree?

Graduates can work in hospitals, ICUs, operation theaters and emergency departments.

4: Does TUF offer practical training in this program?

Yes, TUF provides hands-on training through hospital rotations and lab practice.

5: Is there a good scope for anesthesia technologists in Pakistan?

Yes, the demand for skilled anesthesia technologists is growing in hospitals and healthcare centers.



Bs Operation Theatre Technology

Department of Professional Health Technologies

Short Title: BSOT

Study Level: Undergraduate

Duration: 8 Semesters (4years)

Credit Hours: 127

Eligibility: FSC Pre-Medical/equivalent with minimum 50% marks

Introduction

The Bachelor of Science in Operating Theater Technology at The University of Faisalabad (TUF) is a four-year undergraduate program designed to prepare students for professional roles in surgical and clinical settings. The program combines theoretical knowledge with hands-on practice, training students to assist in surgeries, manage operation theaters, handle and sterilize medical instruments, and maintain a safe, clean environment for patients and surgical teams. Graduates are equipped to work efficiently in hospitals, clinics, and surgical centers while upholding high standards of patient care and safety.

Why Choose BS Operation Theater Technology at TUF?

TUF's BS Operation Theater Technology program offers a structured learning environment with modern labs, skilled faculty, and practical hospital exposure. Students gain experience in setting up and managing operating theaters, assisting surgeons during procedures, maintaining infection control, and ensuring patient safety. The program emphasizes both professional

competence and responsibility, preparing students to become integral members of healthcare teams.

Program Objectives

Graduates of BS Operation Theater Technology will be able to:

- Assist surgical teams effectively during various operations
- Manage operation theater setups and ensure smooth workflow
- Handle, sterilize, and maintain surgical instruments safely
- Implement infection control and patient safety protocols
- Demonstrate professional behavior and teamwork in clinical settings

Training & Practical Exposure:

- Hands-on hospital experience through Surgical Room Technician training
- Clinical practice in operating theaters under the supervision of experienced faculty
- Exposure to anesthesia support, instrument sterilization, and patient monitoring
- Participation in real surgical procedures to build professional confidence

Career Scope & Opportunities

Graduates can pursue careers in:

- Operation Theater Technologists in hospitals and clinics
- Surgical Assistants supporting various surgical procedures
- Infection Control Technicians ensure sterile environments
- Operation Room Coordinators managing surgical workflow
- Anesthesia Support Staff assisting anesthesiologists
- This program also provides a foundation for advanced studies or specialization in surgical and clinical healthcare fields.

BS Operating Theater Technology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-101 / ETH-100	Islamic Studies / Ethics	2 (2-0)
ENG-107	Functional English	3 (3-0)
GEN-105	Creative Arts	2 (2-0)
ANA-101	Anatomy	3 (2-1)
PSYL-102	Physiology	3 (2-1)
BIO-101	Biochemistry	3 (2-1)
ISL-103	Teachings of Holy Quran	NC
Credit Hours		16 (14-2)

Semester II		
Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2 (2-0)
ENG-108	Expository English	3 (3-0)
CS-102	Applications of Information & Comm. Technology	3 (2-1)
GEN-106	Medical Ethics	2 (2-0)
NU-301	Basic Nursing Skills	2 (1-1)
PATH-201	Pathology	3 (3-0)
ISL-104	Teachings of Holy Quran - II	NC
Credit Hours		15 (13-2)

Semester III		
Course Code	Course Title	Credit Hours
GEN-201	Quantitative Reasoning I	3 (3-0)
OT-101	Fundamentals of Operation Theater Technology	3 (3-0)
PATH-202	Clinical Microbiology	3 (2-1)
PSY-201	Psychology	2 (2-0)
GEN-202	Environmental Studies	3 (2-1)
GEN-206	Entrepreneurship	2 (2-0)
ISL-201	Teachings of Holy Quran	NC
Credit Hours		15 (14-2)

Semester IV		
Course Code	Course Title	Credit Hours
SUR-201	General Surgery - I	3 (3-0)
MED-201	General Medicine - I	3 (3-0)
OT-211	Operation Theater Instruments & Technology	3 (2-1)
GEN-303	Quantitative Reasoning	3 (3-0)
PHARM-201	Pharmacology	3 (2-1)
GEN-203	Civics & Community Engagement	2 (2-0)
ISL-202	Teachings of Holy Quran	NC
Credit Hours		17 (15-2)

Semester V		
Course Code	Course Title	Credit Hours
MED-301	General Medicine II	3 (3-0)
SUR-301	General Surgery II	3 (3-0)
OT-311	Types of Anesthesia	3 (2-1)
OT-312	Medical Surgical Skills	3 (2-1)
OT-313	Operating Room Design & Environment	2 (2-0)
OT-314	Pre/Post-Operative Assessment, Care & Medication	3 (2-1)
Credit Hours		17 (14-3)

Semester VI		
Course Code	Course Title	Credit Hours
OT-315	Anesthesia Related Complications & Management	3 (2-1)
GEN-310	Research Methodology	3 (3-0)
GEN-302	Patient Care	2 (2-0)
OT-312	Clinical & Operative Surgeries	3 (2-1)
OT-313	Genitourinary Surgeries	3 (2-1)
OT-314	Fundamentals of Emergency Care & Emergency Surgery	3 (2-1)
Credit Hours		17 (13-4)

Summer Term		
Course Code	Course Title	Credit Hours
GEN-401	INTERNSHIP	3 (3-0)

Semester VII		
Course Code	Course Title	Credit Hours
MIS-411	Preoperative Laboratory & Radiological Investigation	3 (2-1)
OT-412	Pediatric Surgeries	3 (2-1)
OT-413	Critical Care (BLS & ACLS)	2 (2-0)
OT-414	Medical Physics Related to Operation Theater	3 (2-1)
GEN-301	Infection Control	2 (2-0)
OT-415	Supervised Practice in OT - I	3 (0-3)
Credit Hours		17 (10-7)

Semester VIII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3 (0-3)
OT-416	Ophthalmic Surgery	3 (1-2)
OT-417	Orthopedic Surgery	3 (1-2)
OT-418	Supervised Practice in OT - II	3 (0-3)
Credit Hours		12 (2-10)
Total Credit Hours		127

Frequently Asked Questions (FAQs)

1. What is BS Operation Theater Technology?

A 4-year undergraduate degree that trains students to assist in surgeries and manage operating theaters.

2: Who can apply for this program?

Students with F.Sc. Pre-Medical or equivalent qualification with at least 50% marks.

3: What skills will I learn?

Surgical assistance, instrument handling, infection control, patient care, and operating theater management.

4: What jobs are available after graduation?

Operation Theater Technologist, Surgical Assistant, OT Coordinator, Infection Control Technician, or Anesthesia Support Staff.

5: Does the program include practical training?

Yes, it includes hands-on hospital experience through Surgical Room Technician training.





MS Anesthesia

Department of Professional Health Technologies

Short Title: MSAT

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 30

Eligibility: Bachelors of Anesthesia Technology, Bachelors of Operation theater and MBBS. Sixteen years of education or four years of education after HSSC/ Grade 12 (minimum 120 credit hours) shall be required in MS equivalent program with minimum CGPA 2.5/4.00.

Introduction

The MS Anesthesia Technology at TUF is a two-year postgraduate program designed for advanced clinical specialization. It focuses on leadership, research, and high-level management in the field of anesthesia.

Why Choose MS Anesthesia Technology at TUF?

TUF's MS Anesthesia Technology program focuses on advanced professional training, clinical exposure, and research opportunities. Students benefit from modern labs, state-of-the-art anesthesia equipment, and guidance from experienced faculty. The program emphasizes both practical competency and theoretical knowledge, preparing graduates to excel in healthcare settings locally and internationally.

Program Objectives

Graduates of MS Anesthesia Technology will be able to:

- Provide advanced anesthesia care in hospitals, operation theaters, and ICUs
- Handle, monitor, and maintain modern anesthesia equipment efficiently
- Support surgical teams during various procedures while ensuring patient safety
- Apply professional ethics and critical thinking in anesthesia practice
- Conduct research and contribute to the development of anesthesia technology and patient care standards

Training & Practical Exposure:

- Hands-on clinical training in hospitals, operation theaters, and critical care units
- Exposure to anesthesia procedures under the supervision of expert anesthesiologists
- Advanced training on modern anesthesia machines, monitoring systems, and patient care techniques
- Research projects and evidence-based practice initiatives

Career Scope & Opportunities:

Graduates of MS Anesthesia Technology can pursue careers as:

- Anesthesia Technologists in hospitals, surgical centers, and ICUs
- Clinical Researchers in healthcare and medical

- research institutes
- Teaching Faculty in colleges, universities, and professional training programs
- Members of multidisciplinary healthcare teams in national and international hospitals

This program provides a pathway for career advancement, specialization, and leadership roles in anesthesia and surgical care.

MS Anesthesia Technology Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-700	Advanced Research Methodology	3 (3-0)
AT-701	Advances in Anesthesia Pharmacology	3 (3-0)
AT-702	Anesthesia for Crisis Management & Critical Care	3 (2-1)
AT-XXX	Elective I (Selected from pool below)	3 (X-X)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
AT-703	Anesthesia for Endoscopic Surgeries	3 (2-1)
AT-704	Anesthesia for General Surgery	3 (2-1)
AT-XXX	Elective II (Selected from pool below)	3 (X-X)
AT-XXX	Elective III (Selected from pool below)	3 (X-X)
Credit Hours		12

Semester III		
Course Code	Course Title	Credit Hours
AT-720	Postgraduate Thesis Research	6
Credit Hours		30

Elective Courses
A total of 3 elective courses (9 Credit Hours) must be chosen during Semesters I and II.

Course Code	Course Title	Credit Hours
AT-705	Technical Equipment and Monitoring	3 (2-1)
AT-706	Anesthesia for Gynecology, Obstetrics & Genitourinary Tract	3 (2-1)
AT-707	Anesthesia for ICU	3 (2-1)
AT-708	Advances in Anesthesia for Pediatric & Geriatric Surgery	3 (2-1)
AT-709	Applied Anesthesia Practice	3 (0-3)
AT-710	Anesthesia for Cardiopulmonary Resuscitation	3 (2-1)
AT-711	Anesthesia for Outside Operating Room	3 (2-1)
AT-712	Anesthesia for Maxillofacial Surgery	3 (2-1)
AT-713	Pain Medicine	3 (3-0)
AT-714	Anesthesia for Electroconvulsive Therapy	3 (3-0)

Frequently Asked Questions (FAQs)

1: What is MS Anesthesia Technology?

A 2-year postgraduate program training students in advanced anesthesia care and surgical support.

2: How long is the program?

The program spans 2 years, divided into 4 semesters.

3: What is the eligibility for admission?

Bachelor's in Anesthesia Technology, Operation Theater Technology, or MBBS, 16 years of education, and a minimum 50% score on the entry test.

4: What jobs can I get after completing this program?

Hospitals, operation theaters, ICUs, research centers, and teaching positions.

5: Does the program include practical training?

Yes, students receive hands-on training with modern anesthesia equipment in clinical settings.



Department of Psychology

Vision

To become a leading center for psychological research, education, and innovation, fostering a deep understanding of human behavior and promoting well-being in individuals and society.

Mission

To provide high-quality education, conduct cutting-edge research, and promote the application of psychology in addressing societal challenges. It aims to cultivate critical thinking, research excellence, and ethical practices among students, preparing them to make meaningful contributions to the field of psychology.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/departments-of-psychology>

BS Psychology (Clinical)

Department of Psychology

Short Title: BPSYC

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 136

Eligibility: Intermediate with a minimum of 45 % marks or equivalent

Introduction

The BS Clinical Psychology program at The University of Faisalabad (TUF) is a four-year undergraduate degree designed to provide a scientific understanding of human behavior, emotions, and mental processes. The program focuses on psychological assessment, mental health awareness, and behavioral functioning while combining theoretical knowledge with practical exposure. It builds a strong academic base for students who wish to contribute to mental well-being, research, and psychological services in diverse settings.

Why BS Clinical Psychology Program at TUF?

BS Clinical Psychology at TUF offers a structured and modern curriculum aligned with current mental health needs. Students learn under the guidance of qualified psychologists in a supportive academic environment that encourages critical thinking, empathy, and ethical practice. Through case-based learning and applied psychology exposure, the program prepares students for professional growth, higher education, and meaningful roles in mental health support services.

Program Objectives

The program aims to:

- Develop understanding of human behavior, emotions, and cognitive processes
- Build foundational skills in psychological assessment and observation
- Promote ethical awareness and professional responsibility in psychology
- Strengthen analytical, communication, and interpersonal skills
- Prepare students for advanced studies and professional psychology training

Training & Practical Exposure

Students receive:

- Practical learning through case studies and behavioral observations
- Exposure to basic psychological assessment tools
- Training in counseling-related skills under academic supervision
- Research-based learning to understand real-world psychological issues

Career Scope & Opportunities

Graduates of BS Clinical Psychology can pursue careers in various sectors, including:

- Clinical Psychology Assistant
- Mental Health Support Worker
- Behavioral Therapy Assistant
- School Psychology Assistant
- Research Assistant in psychology projects

BS Psychology (Clinical)
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ENG-107	Functional English	3(3-0)
CS-102	Applications of Information & Communication Technologies	3(2-1)
PSY-110	Schools and Perspectives in Psychology	3(3-0)
PSY-112	Introduction to Psychology	3(3-0)
GEN-103	Biology	2(2-0)
ISL-105	Understanding of Quran I	1(0-1)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-101 / ETH-100	Islamic Studies / Ethics (for Non-Muslims)	2(2-0)
PS-101	Pakistan Studies	2(2-0)
ENG-108	Expository Writing	3(3-0)
PSY-123	Behavioral Neuroscience	3(3-0)
PSY-124	Theories of Personality	3(3-0)
PSY-411	Experimental Psychology	3(2-1)
ISL-106	Understanding of Quran II	1(0-1)
Credit Hours		17

Semester III		
Course Code	Course Title	Credit Hours
GEN-207	Quantitative Reasoning I	3(3-0)
GEN-203	Civics and Community Engagement	2(2-0)
GEN-105	Creative Arts	2(2-0)
PSY-122	Cognitive Psychology	3(3-0)
PSY-223	Industrial and Organizational Psychology	3(3-0)
PSY-322	Social Psychology	3(3-0)
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
GEN-303	Quantitative Reasoning II	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-212	Developmental Psychology	3(3-0)
PSY-224	Psychological Testing	3(3-0)
PSY-225	Psychopathology	3(3-0)
PSY-317	Environmental Psychology	3(3-0)
Credit Hours		17

Semester V		
Course Code	Course Title	Credit Hours
ECO-203	Economics	3(3-0)
PSY-314	Clinical Psychology	3(2-1)
PSY-315	Sports Psychology	3(3-0)
PSY-318	Psychology of Gender	3(3-0)
PSY-422	Cross-Cultural Psychology	3(3-0)
-	Data Analysis	3(2-1)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
GEN-310	Research Methodology	3(3-0)
PSY-321	Counseling Psychology	3(2-1)
PSY-327	Clinical Assessment and Diagnosis	3(3-0)
PSY-328	Child Psychopathology	3(3-0)
PSY-329	Ethical Issues in Clinical Practice	3(3-0)
PSY-405	Positive Psychology	3(3-0)
Credit Hours		18

Semester VII		
Course Code	Course Title	Credit Hours
PSY-413	Forensic Psychology	3(3-0)
PSY-416	Elective III – Psychological Interventions and Therapies	3(3-0)
PSY-417	Elective IV – Substance Use Disorders and Management	3(3-0)
GEN-201	Sociology	3(3-0)
HRM-301	Human Resource Management	3(3-0)
Credit Hours		15

Semester VIII		
Course Code	Course Title	Credit Hours
GEN-402	Research Project	3(0-3)
PSY-426	Psychology and Emerging Technologies	3(3-0)
PSY-427	Elective V – Crisis Intervention and Management	3(3-0)
PSY-428	Elective VI – Psychopharmacology in Clinical Practice	3(3-0)
PSY-429	Elective VII – Clinical Supervision and Consultation	3(3-0)
PSY-405	Positive Psychology	3(3-0)
Credit Hours		15
Total Credit Hours		136
GEN-401	Summer – Internship	3(0-3)

Frequently Asked
Questions (FAQs)

- 1. What is BS Clinical Psychology?**
It is an undergraduate degree focused on understanding mental health, behavior, and psychological processes.
- 2. Is BS Clinical Psychology a good career choice?**
Yes, mental health professionals are in growing demand, making it a valuable and meaningful field.
- 3. Does this program include practical learning?**
Yes, students gain applied knowledge through case studies, observations, and supervised training.
- 4. Can I become a clinical psychologist after BS in Clinical Psychology?**
BS is the first step. Higher studies, such as MS/MPhil and supervised clinical training, are required for licensing.
- 5. What skills will I develop in this program?**
Students develop communication, analytical thinking, empathy, and psychological assessment skills.





MS

Clinical Psychology

Department of Psychology

Short Title: MSPSYC

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 34

Eligibility: 16 years of education (undergraduate degree) in Psychology or any specialized area of Psychology.

Admission Test: Minimum passing score of 50%, or GRE/HAT General/Equivalent test with a minimum score of 50%.

The University may set higher minimum scores according to its approved admission and merit criteria.

- HEC-aligned curriculum
- Advanced knowledge of Psychology
- Specialized elective courses
- Practical and clinical training
- Research and thesis opportunities
- Internship and professional exposure
- Career-focused learning

Career Scope & Opportunities

Graduates of MS Clinical Psychology from TUF are well-prepared to pursue careers in:

- Clinical Psychologist/Therapist
- Private Practice
- Specialized Roles
- Corporate & NGO Roles
- Rehabilitation & Counseling

Introduction

The Master of Science in Clinical Psychology is aligned with the HEC Graduate Education Policy 2023 and provides advanced knowledge of psychological theories, research methods, and professional practices. Spanning three semesters, the program combines core courses, advanced electives, and research leading to a thesis. Graduates are prepared for careers in academia, research, clinical settings, corporate organizations, policymaking, and other fields requiring expertise in Psychology.

Why MS Clinical Psychology at TUF?

Choosing this program at TUF ensures you develop both the emotional and technical skills needed to become a professional psychologist.

MS Clinical Psychology Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
PSY-701	ADVANCED THEORIES OF PSYCHOLOGY	3(3-0)
PSY-722	PSYCHOPATHOLOGY	3(3-0)
PSY-723	PSYCHOLOGICAL ASSESSMENT	3(3-0)
PSY-729	PSYCHOPHARMACOLOGY	2(2-0)
ISL-105	UNDERSTANDING OF HOLY QURAN - I	1 (0-1)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
PSY-702	ADVANCED RESEARCH METHODS IN PSYCHOLOGY	3(3-0)
PSY-726	PSYCHOLOGICAL INTERVENTIONS	3(3-0)
PSY-728	STATISTICAL METHODS IN CLINICAL PSYCHOLOGY	3(3-0)
ISL-106	UNDERSTANDING OF HOLY QURAN - II	1 (0-1)
Credit Hours		10

Semester III

Course Code	Course Title	Credit Hours
PSY-725	CLINICAL PLACEMENT AND CASE STUDIES (ADULT)	3(0-3)
PSY-724	CLINICAL PLACEMENT AND CASE STUDIES (CHILD)	3(0-3)
Credit Hours		06

Semester IV

Course Code	Course Title	Credit Hours
AIP-720	THESIS	06
Credit Hours		06

Frequently Asked Questions (FAQs)

1. What is the eligibility criteria for admission?

Applicants must have 16 years of education in Psychology or a specialized area of Psychology.

2. Does the program include practical training?

Yes, the program provides practical, clinical, internship, and supervised training opportunities.

3. Does the program include research and a thesis?

Yes, students receive advanced research training and complete independent research leading to a thesis.

4. What career opportunities are available after MS Psychology?

Graduates can pursue careers in clinical settings, hospitals, educational institutions, research organizations, corporate sectors, NGOs, rehabilitation centers, and other psychology-related fields.



ADP Psychology (Clinical)

Department of Psychology

Short Title: ADPPSYC

Study Level: Undergraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 66

Eligibility: Intermediate with a minimum of 35 % marks or equivalent

Introduction

The ADP Clinical Psychology program at The University of Faisalabad (TUF) is a two-year associate degree designed to provide students with foundational knowledge of psychology and mental health. The program introduces core concepts related to human behavior, emotions, thinking patterns, and psychological well-being. With a balance of theoretical understanding and practical exposure, this program is ideal for students seeking an early entry into psychology-related fields or a pathway toward further academic studies.

Why ADP Clinical Psychology Program at TUF?

ADP Clinical Psychology at TUF offers a structured and accessible learning pathway for students interested in mental health and human behavior. The program emphasizes basic psychological skills, observational techniques, and applied learning through case studies and supervised activities. Supported by experienced faculty and a learner-friendly environment, students gain practical insight that prepares them for entry-level roles or smooth progression into bachelor's degree programs.

Program Objectives

The program aims to:

- Build a basic understanding of human behavior and mental health concepts
- Develop observational, analytical, and communication skills
- Introduce ethical practices in psychological support services
- Prepare students for entry-level roles in psychology-related settings
- Create a foundation for further studies in psychology and counseling

Training & Practical Exposure

Students benefit from:

- Case-based learning and classroom discussions
- Introductory exposure to mental health support practices
- Supervised practical activities and internships (where applicable)
- Real-world understanding of psychological issues in community settings

Career Scope & Opportunities

Graduates of ADP Clinical Psychology can explore entry-

level opportunities in various sectors, including:

- Clinical Psychology Assistant
- Mental Health Support Staff
- Behavioral Therapy Assistant
- School Counseling Assistant
- Research Assistant

ADP Psychology (Clinical) Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ENG-107	Functional English	3(3-0)
CS-102	Application Of Information & Communication Technologies	3(2-1)
PSY-111	History & System of Psychology	3(3-0)
PSY-112	Introduction to Psychology	3(3-0)
GEN-103	Biology	2(2-0)
ISL-103	Teaching of Holy Quran-I	NC
Credit Hours		16

Semester II

Course Code	Course Title	Credit Hours
ECO-203	Economics	3(3-0)
PSY-122	Cognitive Psychology	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
ENG-108	Expository Writing	3(3-0)
PSY-121	Health Psychology	3(3-0)
ISL-104	Teachings of Holy Quran - II	NC
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
GEN-207	Quantitative Reasoning I	3(3-0)
GEN-203	Community Service Learning	2(2-0)
GEN-202	Environmental Studies	3(2-1)
PSY-211	Personality Theories I	3(3-0)
PSY-212	Developmental Psychology	3(3-0)
PSY-219	Behavioral Neurological Sciences	3(3-0)
ISL-201	Teachings of Holy Quran - III	NC
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
GEN-303	Quantitative Reasoning II	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
HRM-301	Human Resource Management	3(3-0)
PSY-221	Abnormal Psychology	3(3-0)
PSY-222	Personality Theories II	3(3-0)
PSY-223	Organizational/Industrial Psychology	3(3-0)
ISL-202	Teachings of Holy Quran - IV	NC
Credit Hours		17
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1. What is ADP Clinical Psychology?

It is a two-year associate degree that provides basic knowledge of psychology and mental health.

2. What is the scope of ADP Clinical Psychology?

Graduates can work in hospitals, schools, NGOs, and mental health support services at the entry level.

3. Is this program suitable for further studies?

Yes, students can continue their education in BS Clinical Psychology or related programs.

4. Does ADP Clinical Psychology include practical learning?

Yes, the program includes case studies and supervised practical exposure.

5. Is ADP Clinical Psychology valuable in Pakistan?

Yes, with growing mental health awareness, demand for trained support staff is increasing across the healthcare and educational sectors.



Faculty of Information Technology

TUF's Faculty of Information Technology is dedicated to providing an exceptional education in the digital world. Focusing on cutting-edge research and innovation, we equip students with the skills and knowledge necessary to thrive in the rapidly evolving tech industry.

Programs Offered

Department of Computer Sciences

- BS Computer Sciences
- BS Computer Arts
- BS Computer Applications
- BS Software Engineering
- BS Artificial Intelligence
- BS Data Sciences
- BS Information Technology
- BS Information Technology & Management
- BS Cyber Security & Big Data
- MS Computer Science
- MS Computing & Data Sciences
- MS Artificial Intelligence
- PhD Computer Science
- ADP Computer Sciences



In today's fast-paced digital era, technology stands as the absolute cornerstone of global progress and industrial innovation. Within the Faculty of Information Technology, we strive to equip you with the advanced technical expertise, agile problem-solving mindset, and ethical foundation needed to thrive and lead in an ever-evolving digital landscape.

Our faculty focuses on nurturing forward-thinking tech professionals who are not only skilled in current methodologies but are also fully prepared to pioneer future technologies with responsibility and integrity. Through a combination of rigorous academics, hands-on lab learning, and a spirit of constant inquiry, we prepare you to take on the tech challenges of tomorrow with absolute confidence. As you review this prospectus, I encourage you to envision the endless possibilities awaiting you here—from artificial intelligence and cybersecurity to data science and sustainable tech solutions. We are here to support your tech journey every step of the way.

Prof Dr Majid Hussain

Dean, Faculty of Information Technology

Department of Computer Sciences

Vision

Build a strong research and teaching environment that responds swiftly to the challenges of the 21st century.

Mission

To develop in our students the deep technical, problem solving, and leadership skills needed to create new computing technologies and to harness software to empower people, organizations, and society.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details-department-of-computer-sciences>

BS Computer Sciences

Department of Computer Sciences

Short Title: BSCS

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 139

Eligibility: Minimum 50% marks in Intermediate/12 years of schooling/A-Level (HSSC) or equivalent with Mathematics are required for admission in all BS Computing Programs other than BS Computing Engineering. An equivalency certificate by IBCC will be required in case of education from some other country and system.

Introduction

The BS Computer Sciences at TUF is a four-year degree designed to turn students into expert programmers and tech innovators. This program teaches you how to build software, design smart applications, and understand the logic behind modern computing systems. It is the perfect starting point for anyone who wants to lead in the digital world.

Why Choose BS Computer Sciences?

Choosing this program at TUF ensures you learn the latest technologies in a high-tech environment with global standards.

- Access to advanced computer labs with high-speed internet and modern software tools.
- Learning from industry experts who have real-world

experience in coding and IT.

- Flexible curriculum that covers Artificial Intelligence, Data Science, and Cloud Computing.
- Strong focus on building a professional portfolio through real-time coding projects.
- Supportive environment that encourages students to start their own tech businesses.

Program Objectives

- Mastering various programming languages like Python, Java, and C++ for software creation.
- Designing secure databases and complex network systems for large organizations.
- Improving logical thinking to solve complicated mathematical and technical problems.
- Gaining the skills to build user-friendly mobile apps and modern websites.
- Understanding the ethics of cybersecurity and data privacy in the digital age.

Career Scope & Opportunities:

Graduates of the BS Computer Science program at TUF are ready for a wide range of careers in the tech world. Some popular opportunities include:

- Full-Stack Software Developer
- Mobile App Developer (iOS & Android)
- Database Administrator
- Cybersecurity Analyst
- UI/UX Designer or IT Consultant

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Working on a Final Year Project (FYP) that solves a real-life industrial problem.
- Participating in coding competitions and Hackathons held at the university.
- Joining internships at top software houses and IT firms.
- Workshops on modern tools like GitHub, Docker, and Cloud platforms

BS Computer Sciences – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teachings of Holy Quran I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
PHY-103	Applied Physics	3(2-1)
MATH-105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)

Semester I		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran II	Non-credit
CS-204	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical)	3(3-0)
Credit Hours		17+3

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran III	Non-credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
GEN-203	Community Service Learning	2(2-0)
CS-317	Theory of Automata	3(3-0)
Credit Hours		18

Semester IV		
Course Code	Course Title	Credit Hours
MATH-214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran IV	Non-Credit
CS-213	Database Systems	4(3-1)
CS-211	Visual Programming	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V		
Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
CS-320	Advanced Database Management Systems	3(2-1)
CS-321	HCI and Computer Graphics	3(2-1)
IT-326	Web Technologies	3(2-1)
CS-303	Object Oriented Analysis and Design	3(2-1)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
CS-308	Artificial Intelligence	3(2-1)
STAT-311	Probability and Statistics	3(3-0)
CS-305	Computer Architecture	3(2-1)
CS-306	Software Testing and Quality Assurance	3(2-1)
Credit Hours		18
Summer		
GEN-401	Internship	3(0-3)

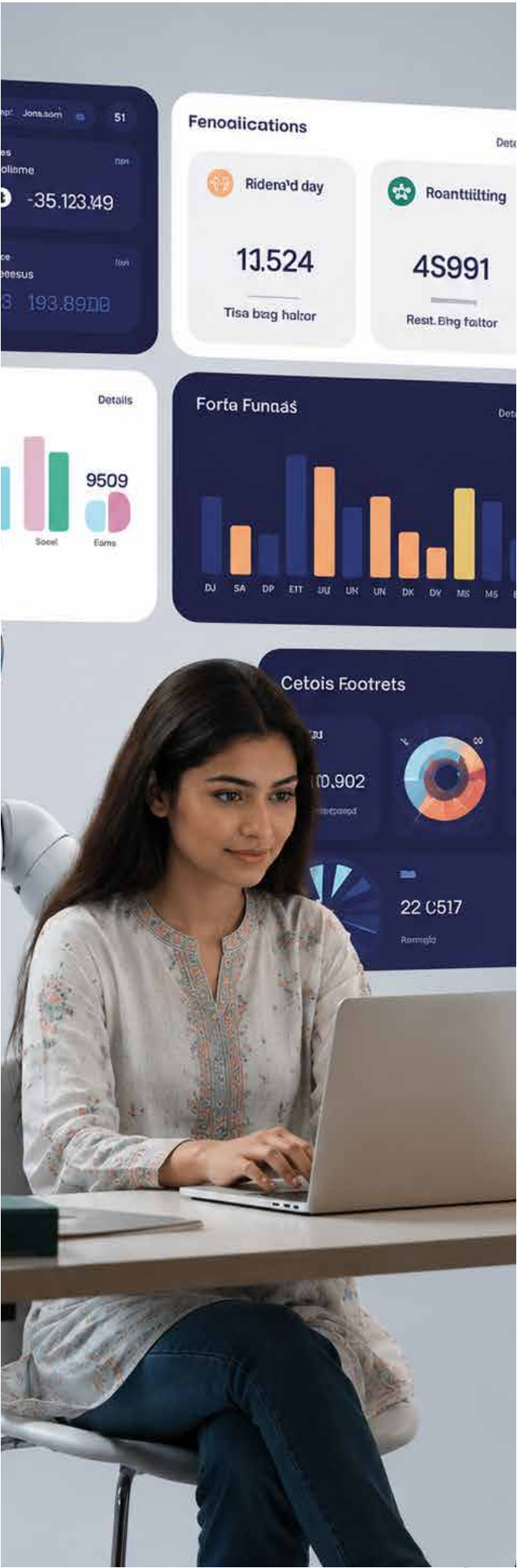
Semester VII		
Course Code	Course Title	Credit Hours
CS-405	Compiler Construction	3(2-1)
CS-401	Cloud Computing	3(2-1)
CS-404	Information Security	3(2-1)
CS-319	Mobile Application and Development	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		14

Semester VIII		
Course Code	Course Title	Credit Hours
CS-402	Cyber Security	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
MGT-305	Financial Accounting	3(3-0)
Credit Hours		13
Total Credit Hours:		133+6

Note: *MGT-305 Financial Accounting is added in semester-8 from semester -7 to balance in credit hours in semester-8.

Frequently Asked Questions (FAQs)

- 1: What is BS Computer Science at TUF?**
A 4-year program that helps students learn coding, programming and prepare for IT careers.
- 2: How long does it take to complete BS Computer Science?**
The program is 4 years long, split into 8 semesters with a mix of theory, labs and projects.
- 3: What is the career scope of BS Computer Science?**
Graduates can work in software, AI, cybersecurity, networking, data analysis and IT project management roles.
- 4: Which jobs are available after BS Computer Science?**
You can become a software engineer, web developer, data analyst, network administrator or IT consultant.
- 5: What skills will I gain in BS Computer Science?**
You'll learn coding, database management, networking, AI basics and software design for real-world IT jobs.





BS

Software Engineering

Department of Computer Sciences

Short Title: BSSE

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 139

Eligibility: Minimum 50% marks in Intermediate/12 years schooling/A- Level (HSSC) or equivalent with Mathematics are required for admission in all BS Computing Programs other than BS computing Engineering. *Equivalency certificate by IBCC will be required in case of education from some other country and system.

Introduction

The BS Software Engineering at TUF is a four-year degree that teaches students how to build reliable and efficient software systems. This program focuses on the entire process of software creation from planning and designing to testing and maintenance. It is designed for those who want to solve complex problems through technology and high-quality coding.

Why Choose BS Software Engineering?

Choosing this program at TUF provides a professional environment where you learn to manage large-scale tech projects.

- Access to specialized software labs equipped with the latest design and testing tools.
- Learning from experienced engineers who

- understand the demands of the global IT industry.
- Strong focus on teamwork and project management through collaborative lab sessions.
- Opportunities to work on real-world industrial software problems during the degree.

Program Objectives

- Learning how to design complex software architectures for modern businesses.
- Developing the ability to test and fix bugs to ensure software runs smoothly.
- Grasping the techniques of project management to lead technical teams.
- Improving coding skills in multiple languages for web and mobile platforms.
- Understanding how to maintain and update large software systems over time.

Career Scope & Opportunities:

Graduates of the BS Software Engineering program can pursue diverse roles, including:

- Software Architect
- Quality Assurance (QA) Engineer
- Software Project Manager
- Full-Stack Web Developer
- Systems Analyst or Technical Lead

Practical Training, Internships & Research Exposure

- Designing a complete software product as part of the Final Year Project.
- Practical training in using Agile and DevOps tools for faster development.
- Internships at reputable software houses to gain corporate experience.
- Workshops on software security and protecting data from cyber threats

BS Software Engineering Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teaching of Holy Quran with Translation I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
PHY-103	Applied Physics	3(2-1)
MATH-105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		15+3

Semester II

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran with Translation-II	Non-credit
CS-204	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		17+3

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran with Translation-III	Non-credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
GEN-203	Community Service Learning	2(2-0)
CS-317	Theory of Automata	3(3-0)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MATH-214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran with Translation-IV	Non-Credit
CS-213	Database Systems	4(3-1)
SE-201	Software Requirement Engineering	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
CS-320	Advanced Database Management Systems	3(2-1)
CS-321	HCI and Computer Graphics	3(2-1)
IT-326	Web Technologies	3(2-1)
SE-301	Software Design & Architecture	3(3-0)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
CS-308	Artificial Intelligence	3(2-1)
STAT-311	Probability and Statistics	3(3-0)
CS-305	Computer Architecture	3(2-1)
SE-302	Software Construction & Development	3(2-1)
Credit Hours		18
Summer		
GEN-401	Internship	3(0-3)

Semester VII

Course Code	Course Title	Credit Hours
SE-401	Software Quality Engineering	3(2-1)
SE-402	Software Project Management	3(2-1)
CS-404	Information Security	3(2-1)
CS-319	Mobile Application and Development	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		14

Semester VIII

Course Code	Course Title	Credit Hours
CS-423	Data Science	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
MGT-305	Financial Accounting	3(3-0)
Credit Hours		13
Total Credit Hours:		133+6

Note: *MGT-305 Financial Accounting is added in semester-8 from semester-7 to balance in credit hours in semester-8.

Frequently Asked Questions (FAQs)

1: What is BS Software Engineering a

A 4-year degree to learn software design, development and project management.

2. What are the eligibility requirements for BS Software Engineering?

Intermediate with Mathematics and at least 50% marks.

3. What are the career options after BS Software Engineering?

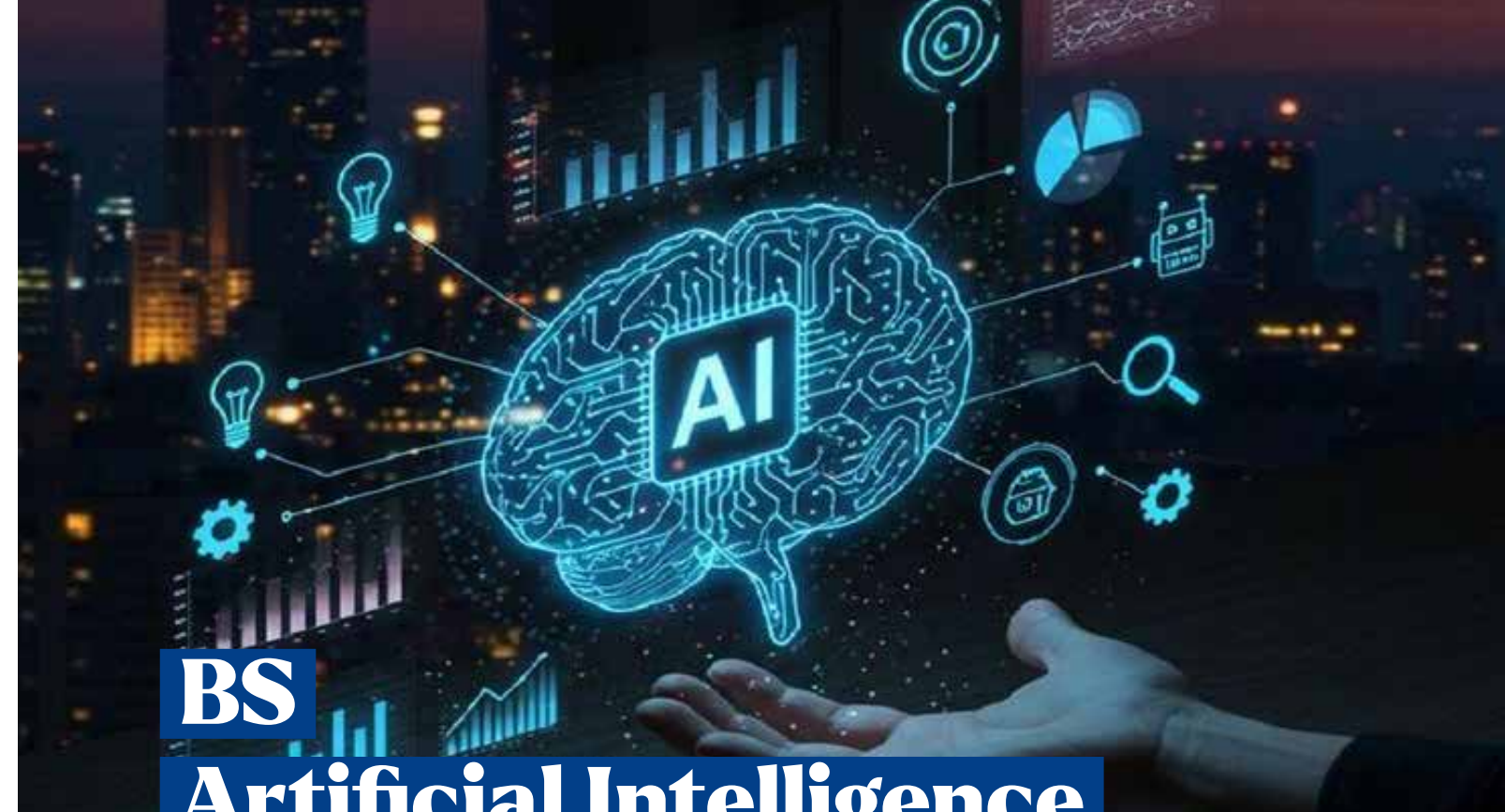
Jobs as software developer, web/app designer, QA engineer or project manager.

4. Why should I choose TUF for BS Software Engineering?

TUF offers practical projects, modern tools and career-ready training.

5. What skills will I gain from BS Software Engineering?

Strong software development skills, problem-solving and hands-on project experience.



BS Artificial Intelligence

Department of Computer Sciences

Short Title: BSAI

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Minimum 50% marks in Intermediate/12 years schooling/A/Level (HSSC) or equivalent with Mathematics are required for admission in all BS Computing Programs other than BS Computing Engineering. *An equivalency certificate by IBCC will be required in case of education from some other country and system.

Introduction

The BS Artificial Intelligence at TUF is a four-year degree that focuses on building smart machines that can think and learn like humans. This program teaches you how to create software that recognizes faces, understands speech, and makes intelligent decisions. It is the perfect choice for students who want to be at the forefront of the next big technological revolution.

Why Choose BS Artificial Intelligence?

Choosing this program at TUF gives you the chance to work with the most advanced computing tools and smart technologies.

- Access to high-performance computing labs specially designed for AI and Data Science.
- Learning from experts who are actively involved in

building intelligent robotic systems.

- Modern curriculum covering the latest trends like Deep Learning and Neural Networks.
- Strong focus on "Project-Based Learning" where you build AI models from day one.

Program Objectives

- Creating intelligent algorithms that can analyze and predict future trends from data.
- Exploring the ethics of AI to ensure technology is used safely for humanity.
- Solving complex problems in healthcare and finance using machine learning models.
- Improving the ability to work with "Big Data" to find hidden patterns and insights.

Career Scope & Opportunities:

Graduates of BS Artificial Intelligence have strong career opportunities in both local and international markets. Some career paths include:

- Machine Learning Engineer
- Data Scientist
- AI Research Consultant
- Robotics Programmer
- Business Intelligence Specialist

Practical Training,
Internships & Research
Exposure

- Hands-on training in popular AI frameworks like TensorFlow and PyTorch.
- Internships at tech companies focusing on automation and data-driven solutions.
- Participation in AI seminars and workshops on Natural Language Processing (NLP).
- Building a functional AI application as a Final Year Project, such as a chatbot or a prediction tool

BS Artificial Intelligence
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
Gen-104	Ideology and Constitution of Pakistan	2(2-0)
ISL 103	Teachings of Holy Quran with Translation-I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS 111	Programming Fundamentals	4(3-1)
PHY-103	Applied Physics	3(2-1)
MATH 105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		15+3

Semester II		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics (for Non-Muslims)	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran with Translation-II	Non-Credit
CS-204	Digital Logic Design	3(2-1)
CS 112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		17+3

Semester III		
Course Code	Course Title	Credit Hours
ISL 201	Teachings of Holy Quran with Translation-III	Non-Credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
GEN-203	Community Service Learning	2(2-0)
CS-308	Artificial Intelligence	3(2-1)
Credit Hours		18

Semester IV		
Course Code	Course Title	Credit Hours
MATH 214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran with Translation-IV	Non-Credit
CS-213	Database Systems	4(3-1)
AI-414	Machine Learning	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V		
Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
STAT-311	Probability and Statistics	3(3-0)
CS-321	HCI and Computer Graphics	3(2-1)
AI-301	Natural Language Processing	3(2-1)
AI-212	Programming for AI	3(2-1)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
AI-301	Artificial Neural Networks and Deep Learning	3(2-1)
AI 311	Computer Vision	3(2-1)
CS-317	Theory of Automata	3(3-0)
DS-303	Data Mining	3(2-1)
Credit Hours		18
Summer		
GEN-401	Internship	3(0-3)

Semester VII		
Course Code	Course Title	Credit Hours
CS 405	Compiler Construction	3(2-1)
CS-401	Cloud Computing	3(2-1)
CS-404	Information Security	3(2-1)
AI-401	Knowledge Representation and Reasoning	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		14

Semester VII		
Course Code	Course Title	Credit Hours
AI-403	Speech Processing	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
MGT-305	Financial Accounting	3(3-0)
Credit Hours		13
Total Credit Hours:		133+6

Frequently Asked
Questions (FAQs)

1. What is BS Artificial Intelligence at TUF?

It is a four-year undergraduate program focused on intelligent systems, data analysis, and AI-based problem solving.

2. Does this program include practical AI training?

Yes, students gain hands-on experience through labs, projects, and applied AI development work.

3. What skills will I learn in BS Artificial Intelligence?

You will develop skills in data handling, intelligent system design, analytical thinking, and AI programming.

4. What career options are available after BS Artificial Intelligence?

Graduates can work in AI development, data science, machine learning, research, and technology firms.

5. Can I pursue higher studies after this degree?

Yes, graduates can continue with MS, MPhil, or research programs in artificial intelligence or related fields.





BS Data Sciences

Department of Computer Sciences

Short Title: BSDS

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 139

Eligibility: Minimum 50% marks in Intermediate/12 years schooling/A- Level (HSSC) or equivalent with Mathematics are required for admission in all BS Computing Programs other than BS computing Engineering. *Equivalency certificate by IBCC will be required in case of education from some other country and system.

Introduction

The BS Data Sciences at TUF is a four-year degree that teaches you how to find hidden patterns in large amounts of information. This program combines math, statistics, and computer science to help you turn raw data into smart decisions. It is designed for students who love solving puzzles and want to work in the fast-growing world of Big Data.

Why Choose BS Data Sciences?

Choosing this program at TUF gives you the tools to become a data expert in a professional and tech-driven environment.

- Access to high-speed computing labs for processing massivedatasets.
- Learning from faculty who are experts in statistical

- modeling and data mining.
- Curriculum that focuses on the latest tools like Python, R, and Tableau.
- Opportunities to work on real-world data from hospitals and industries.
- Supportive environment that prepares you for high-paying global tech jobs.

Program Objectives

- Collecting and organizing large amounts of data to find useful information.
- Building predictive models to guess future trends in business and health.
- Understanding the ethics of data privacy and how to keep information safe.
- Solving industrial problems using machine learning and statistical logic.

Career Scope & Opportunities:

- Data Analyst or Data Scientist
- Business Intelligence (BI) Developer
- Machine Learning Engineer
- Data Consultant for private firms
- Database Manager or Data Engineer
- Data Journalist or Research Analyst
- Business Intelligence Specialist

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Working on a Capstone Project that uses real datasets to solve a problem.
- Participating in workshops for advanced data tools and software.
- Internships at tech companies and research institutes to gain work experience

BS Data Sciences

Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
Gen-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teaching of Holy Quran with Translation I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
PHY-102	Applied Physics	3(2-1)
MATH-105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		15+3

Semester II

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran with Translation-II	Non-Credit
CS-201	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		17+3

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran with Translation-III	Non-Credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
CS-308	Artificial Intelligence	3(2-1)
GEN-203	Civics & Community Engagement	2(2-0)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MATH 214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran with Translation-IV	Non-Credit
CS-213	Database Systems	4(3-1)
AI-414	Machine Learning	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
STAT-311	Probability and Statistics	3(3-0)
CS-321	HCI and Computer Graphics	3(2-1)
DS-301	Introduction to Data Science	3(2-1)
CS-320	Advanced Database Management Systems	3(2-1)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
AI-302	Artificial Neural Networks and Deep Learning	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
CS-317	Theory of Automata	3(3-0)
DS-303	Data Mining	3(2-1)
DS-304	Topics in Data Science	3(2-1)
Credit Hours		18
Summer		
GEN-401	Internship	3(0-3)

Semester VII

Course Code	Course Title	Credit Hours
DS-404	Data Visualization	3(2-1)
DS-402	Data Warehousing and Business Intelligence	3(2-1)
MGT-305	Financial Accounting	3(3-0)
CS-404	Information Security	3(2-1)
DS-401	Advanced Statistics	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		17

Semester VIII

Course Code	Course Title	Credit Hours
DS-403	Big Data Analytics	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
Credit Hours		10
Total Credit Hours:		133+6

Frequently Asked Questions (FAQs)

1. What is BS Data Science at TUF?

It is a four-year undergraduate program focused on data analysis, statistics, and decision-making using modern tools.

2. Does the program include practical training?

Yes, students work on labs, projects, and real datasets throughout the degree.

3. What skills will I gain in BS Data Science?

You will learn data analysis, visualization, statistical modeling, and analytical problem-solving.

4. What career options are available after BS Data Science?

Graduates can work as data analysts, data scientists, machine learning engineers, or research professionals.

5. Can I pursue higher education after this degree?

Yes, graduates can continue with MS, MPhil, or research programs in data science or related fields.



BS Information Technology

Department of Computer Sciences

Short Title: BSIT

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 139

Eligibility: Minimum 50% marks in 12 Years of Education, Intermediate (HSSC) examination, FSc (Pre- Engineering)/ ICS/ A-Level, DAE(computer) with Mathematics or its equivalent qualification with Mathematics certified by IBCC. Students having FSc (Pre-Medical) with a minimum 50% marks are also eligible for admission, but according to the National Computing Education Accreditation Council (NCEAC) of HEC, such students must pass deficiency courses of Mathematics of 6 credit hours within one year. Merit weightage criteria: Matric or Equivalent 10% Intermediate/Equivalent 40% Admission Test 40% Interview 10%

Introduction

The BS Information Technology at TUF is a four-year degree that focuses on managing and securing the digital world. While other fields might focus on building software, IT is about how technology works together, including networking, hardware, and server management. It is designed for students who want to become the backbone of any modern tech organization.

Why Choose BS Information Technology?

Choosing IT at TUF gives you the practical skills to solve real-world technology problems in a modern business

environment.

- Access to specialized networking labs equipped with modern routers and security tools.
- Learning from IT professionals who have experience in managing large-scale data centers.
- Practical curriculum that covers Cloud Computing, Cybersecurity, and Web Systems.
- Focus on Ready-to-Work skills like server configuration and system troubleshooting.
- Supportive atmosphere that helps you earn professional IT certifications alongside your degree.

Program Objectives

- To Empower Digital Proficiency
- To Promote Analytical Insight
- To Encourage Innovation and Adaptability
- To Build Collaborative Skills
- To Instill Ethical and Social Responsibility

Career Scope & Opportunities:

- IT Network Administrator
- Cybersecurity Specialist
- Cloud Systems Manager
- IT Consultant or Support Engineer
- Database Manager or Web Administrator

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Setting up real-time local area networks (LAN) and wireless systems in labs.
- Working on an IT project that automates a business process or secures a network.
- Completing internships at corporate IT departments or telecommunication firms.
- Hands-on workshops on operating systems like Linux and Windows Server management.

BS Information Technology Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teaching of Holy Quran with Translation I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
PHY-103	Applied Physics	3(2-1)
MATH-105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		15+3

Semester II

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics (for Non-Muslims)	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran with Translation-II	Non-credit
CS-204	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		17+3

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran with Translation-III	Non-credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
GEN-203	Community Service Learning	2(2-0)
CS-317	Theory of Automata	3(3-0)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MATH-214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran with Translation-IV	Non-Credit
CS-213	Database Systems	4(3-1)
SE-402	Software Project Management	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
IT-325	Information Technology Infrastructure	3(2-1)
CS-321	HCI and Computer Graphics	3(2-1)
IT-326	Web Technologies	3(2-1)
IT-311	System and Network Administration	3(2-1)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
CS-308	Artificial Intelligence	3(2-1)
STAT-311	Probability and Statistics	3(3-0)
CS-305	Computer Architecture	3(2-1)
IT-424	Database Administration and Management	3(2-1)
Credit Hours		18
Summer		
GEN-401	Internship	3(0-3)

Semester VII

Course Code	Course Title	Credit Hours
IT-213	Software Requirement Engineering	3(2-1)
CS-401	Cloud Computing	3(2-1)
CS-404	Information Security	3(2-1)
CS-319	Mobile Application Development	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		14

Semester VII

Course Code	Course Title	Credit Hours
CS-402	Cyber Security	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
MGT-305	Financial Accounting	3(3-0)
Credit Hours		13
Total Credit Hours		133+6

Frequently Asked Questions (FAQs)

1. What is BS Information Technology at TUF?

A 4-year undergraduate program covering computing, networking, software, and IT systems.

2. Why choose this program?

Students gain hands-on training, modern lab experience, and guidance from expert faculty.

3. What is the program's practical component?

Includes labs, project work, and internships to build real-world IT skills.

4. Who is eligible to apply?

Students with Intermediate (ICS, F.Sc. or equivalent) and Mathematics.

5. What career options are available?

Graduates can work as software developers, IT consultants, network admins, cybersecurity specialists, web developers, or data analysts.



BS Cyber Security and Big Data

Department of Computer Sciences

Short Title: BSCySec

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 133

Eligibility: Minimum 50% marks in Intermediate/12 years

Introduction

The BS Cyber Security and Big Data at TUF is a four-year degree that focuses on two of the most important parts of the digital age: protecting information and analyzing it. This program teaches you how to defend systems from hackers while using massive amounts of data to make smart, secure decisions. It is designed for students who want to be the "Digital Guardians" of the future.

Why Choose BS Cyber Security and Big Data ?

Choosing this program at TUF gives you a unique edge by mastering both defense and data intelligence in one degree.

- Access to high-tech security labs for practicing ethical hacking in a safe environment.
- Learning from industry experts who specialize in digital forensics and data mining.
- Curriculum that covers the latest tools for Big Data processing and cyber defense.
- Focus on hands-on simulations to prepare you for real-world cyber-attacks.
- Strong emphasis on global cyber laws to ensure you

practice technology ethically.

Program Objectives

- Building deep knowledge in ethical hacking to find Discovering hidden patterns in large datasets to improve business security.
- Practicing digital forensics to investigate and solve cyber-crimes.
- Analyzing real-time data to predict and prevent future security threats.

Career Scope & Opportunities:

Graduates of BS Cyber Security and Big Data can pursue careers in:

- Cybersecurity Analyst
- Ethical Hacker or Penetration Tester
- Big Data Engineer
- Digital Forensics Investigator
- Information Security Manager

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Performing penetration testing exercises to test the strength of various networks.
- Working on Big Data projects that involve cleaning

- and analyzing massive info-sets.
- Joining internships at banks, government agencies, or tech firms to learn on-field.
- Attending workshops on the latest cybersecurity tools like Kali Linux and Hadoop

BS Cyber Security and Big Data Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
Gen-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teachings of Holy Quran-I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
PHY-103	Applied Physics	3(2-1)
MATH-105	Basic Math-I (Deficiency for Pre-Medical)	3(3-0)
Credit Hours		15+3

Semester II

Course Code	Course Title	Credit Hours
ISL-101 ETH-100	Islamic Studies Ethics	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran-II	Non-Credit
CS-204	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structures	3(3-0)
GEN-304	Professional Practices	2(2-0)
MATH-106	Basic Math-II (Deficiency for Pre-Medical)	3(3-0)
Credit Hours		17+3

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran-III	Non-Credit
ENG-201	Technical and Business Writing	3(3-0)
CS-113	Software Engineering	3(3-0)
CS-216	Data Structures	4(3-1)
MATH-104	Calculus and Analytical Geometry	3(3-0)
GEN-203	Civics & Community Engagement	2(2-0)
	Elective-I	3(3-0)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MATH-214	Linear Algebra	3(3-0)
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ISL-202	Teachings of Holy Quran-IV	Non-Credit
CS-213	Database Systems	4(3-1)
CS-210	Information Assurance	3(2-1)
CS-221	Operating Systems	3(2-1)
Credit Hours		17

Semester V

Course Code	Course Title	Credit Hours
CS-302	Computer Organization and Assembly Language	3(2-1)
CS-301	Analysis of Algorithms	3(3-0)
CS-211	Secure Software Design and Development	3(2-1)
CS3xx	Elective-II	3(2-1)
CS3xx	Elective-III	3(2-1)
CS3xx	Elective-IV	3(2-1)
Credit Hours		18

Semester VI

Course Code	Course Title	Credit Hours
CS-307	Computer Networks	3(2-1)
MATH-224	Multivariable Calculus	3(3-0)
CS-308	Artificial Intelligence	3(2-1)
STAT-311	Probability and Statistics	3(3-0)
CS-212	Digital Forensics	3(2-1)
Credit Hours		15
Summer		
GEN-401	Internship	3(0-3)

Semester VII

Course Code	Course Title	Credit Hours
CS4xx	Elective-VI	3(2-1)
CS4xx	Elective-VII	3(2-1)
CS4xx	Elective-V	3(2-1)
CS-404	Information Security	3(2-1)
CS-425	Final Year Project (Phase -I)	2(0-2)
Credit Hours		14

Semester VIII

Course Code	Course Title	Credit Hours
CS-402	Cyber Security	3(2-1)
CS-403	Parallel and Distributed Computing	3(2-1)
CS-427	Final Year Project (Phase -II)	4(0-4)
Credit Hours		13
Total Credit Hours:		133+6

List of Electives in Cyber Security

Course Code	Course Title	Credit Hours
CS3xx	Vulnerability Assessment & Reverse Engineering	3(2-1)
CS3xx	Basic Electronics	3(2-1)
CS3xx	Hardware Security	3(2-1)
CS3xx	Malware Analysis	3(2-1)
CS4xx	Wireless and Mobile Security	3(2-1)
CS4xx	Theory of Automata	3(2-1)
CS4xx	HCI and Computer Graphics	3(2-1)
CS4xx	Penetration Testing	3(2-1)
CS3xx	Computer Architecture	3(2-1)
CS3xx	Advanced Digital Logic Design	3(2-1)
CS3xx	Embedded Systems	3(2-1)
CS3xx	Cyber Law and Cyber Crime	3(2-1)
CS3xx	Control System Security	3(2-1)

Frequently Asked Questions (FAQs)

1. What is BS Cyber Security and Big Data at TUF?

A 4-year program teaching cyber defense, data analytics, and protection of digital systems.

2. Who is eligible to apply?

Students with HSSC/A-Level (Mathematics required) and a minimum 50% marks.

3. What practical skills will I gain?

Hands-on training in network security, ethical hacking, penetration testing, and big data management.

4. What jobs are available after this degree?

Roles include Cybersecurity Analyst, Network Security Engineer, Penetration Tester, Digital Forensics Expert, and CISO.

5. Why study Cyber Security and Big Data at TUF?

TUF provides expert faculty, advanced labs, real-world projects, and internship opportunities, preparing students for high-demand IT careers.



MS

Computer Science

Department of Computer Sciences

Short Title: MSCS

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 36

Eligibility: BSCS/BSSE/BSIT/ Master of Computer Science/Master of Information Technology/MSc Computer Science with CGPA 2.00/4.00 under the semester system or 60% marks under the annual system. GAT(General)TUF entry test with 50% marks.

Introduction

The MSComputer Science at TUF is a two-year advanced degree that bridges the gap between basic coding and high-level innovation. This program is designed for professionals and graduates who want to specialize in complex areas like Machine Learning, Cloud Computing, and Big Data. It focuses on creating tech leaders who can design intelligent solutions for global industries.

Why Choose MS Computer Science ?

Choosing this master's program at TUF allows you to dive deep into specialized research while gaining elite technical expertise.

- Access to high-performance computing clusters for advanced data processing and AI modeling.
- Mentorship from HEC-approved supervisors with strong backgrounds in international research.
- Flexibility to choose specialized electives that match

your career goals in the tech industry.

- Opportunities to publish your research findings in reputable scientific journals.
- Strong focus on bridging the gap between academic theory and industrial application.

Program Objectives

- Evaluating advanced algorithms to improve the efficiency of complex software systems.
- Mastering research methodologies to conduct independent and original scientific studies.
- Leading technical teams in designing large-scale IT infrastructures for businesses.
- Integrating Artificial Intelligence and Data Science to solve modern industrial problems.
- Enhancing critical thinking to analyze and critique existing technological frameworks.

Career Scope & Opportunities:

Graduates can jobs like:

- Senior Software Architect
- Principal Data Scientist
- AI Research Scientist
- IT Project Director
- University Professor or Academic Researcher

Practical Training,
Internships & Research
Exposure

- Students gain hands-on experience through:
- Completing a mandatory research thesis that contributes new knowledge to the field of computing.
- Specialized training in advanced programming frameworks and automated system design.
- Participating in international tech conferences and research seminars at TUF.
- Working on "Proof of Concept" (PoC) projects for real-world software innovations.

MS Computer Science
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
CS-711	Advanced Algorithms Analysis	3(3-0)
CS-712	Advanced Computer Architecture	3(3-0)
GEN-700	Advanced Research Methodology	3(3-0)
CS-XXX	Elective-I	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
CS-713	Advanced Computational Theory	3(3-0)
CS-714	Advanced Operating Systems	3(3-0)
CS-XXX	Elective-II	3(3-0)
CS-XXX	Elective-III	3(3-0)
Credit Hours		12

Semester III		
Course Code	Course Title	Credit Hours
CS-720	Thesis Work	6(0-6)
	OR	
	(in case student is not opting research work, he/she will be require to enroll two elective courses of 6 credit hours from below list)	6
Credit Hours		06

Semester IV		
Course Code	Course Title	Credit Hours
CS-720	Thesis Work	6(0-6)
Credit Hours		06
Total Credit Hours		36

Note: Selection of Elective courses is based upon the availability of Faculty.

List of Elective Courses		
Course Code	Course Title	Credit Hours
CS-701	Advanced Human-Computer Interaction	3(3-0)
CS-702	Advanced Requirements Engineering	3(3-0)
CS-703	Advanced Software Project Management	3(3-0)
CS-704	Advanced Software System Architecture	3(3-0)
CS-705	Advanced Topics in Applied Cryptography	3(3-0)
CS-706	Agent Based Modeling	3(3-0)
CS-707	Agile Software Development	3(3-0)
CS-708	Applied Cryptography	3(3-0)
CS-709	Big Data Analytics	3(3-0)
CS-710	Complex Networks	3(3-0)
CS-721	Component Based Software Engineering	3(3-0)
CS-722	Cryptography	3(3-0)
CS-723	Database Security	3(3-0)
CS-724	Deep Learning	3(3-0)
CS-725	Distributed Data Processing	3(3-0)
CS-726	Empirical Software Engineering	3(3-0)
CS-727	Information Privacy and Security	3(3-0)
CS-728	Machine Learning	3(3-0)
CS-729	Management & Organizational Behavior	3(3-0)
CS-730	Natural Language Processing	3(3-0)
CS-731	Artificial Neural Networks	3(3-0)
CS-732	Quantum Cryptography	3(3-0)
CS-733	Reliability Engineering	3(3-0)
CS-734	Requirements Engineering	3(3-0)
EE-625	Internet of Things	3(3-0)
CS-735	Security Management	3(3-0)
CS-736	Security Testing	3(3-0)
CS-737	Software Configuration Management	3(3-0)
CS-738	Software Measurement and Metrics	3(3-0)
CS-728	Software Process Management & Metrics	3(3-0)
CS-729	Software Project Management	3(3-0)
CS-731	Software Risk Management	3(3-0)
CS-742	Software Testing and Quality Assurance	3(3-0)
CS-738	Statistical and Mathematical Methods For Data Science	3(3-0)
CS-732	Tools and Techniques in Data Science	3(3-0)
CS-735	Trusted Computing	3(3-0)
CS-736	Wireless Security	3(3-0)
CS-730	Recent Emerging Technologies	3(3-0)
CS-737	Advanced Digital Image Processing	3(3-0)
CS-734	Blockchain	3(3-0)

Frequently Asked
Questions (FAQs)

- 1. What is MS Computer Science at TUF?**
A 2-year postgraduate program focused on advanced computing, research, and practical skills.
- 2. Who can apply for the MS Computer Science?**
Students with BSCS, BSSE, BSIT, or equivalent degrees from recognized institutions.
- 3. What will I learn in this program?**
Advanced computing research, AI, machine learning, data science, and software development.
- 4. What jobs are available after MS in Computer Science?**
Graduates can work as software engineers, AI specialists, data scientists, IT managers, or academic researchers.
- 5. Does TUF provide research support in MS Computer Science?**
Yes, students receive guidance for advanced research, hands-on projects, and innovation in computing.





MS Computing and Data Sciences

Department of Computer Sciences

Short Title: MSDS

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 30

Eligibility: BSCS/BSSE/BSIT/ Master of Computer Science/Master of Information Technology/MSc Computer Science with CGPA 2.00/4.00 under semester system or 60% marks under annual system. GAT(General)/TUF entry test with 50% marks.

Introduction

MS Computing and Data Sciences at TUF is a two-year professional degree that turns students into experts at handling "Big Data." In this program, you learn how to use advanced mathematics and computer algorithms to predict future trends and solve complex industrial problems. It is designed for those who want to lead the digital transformation in business, science, and government sectors.

Why Choose MS Computing and Data Sciences?

Choosing this master's program at TUF allows you to work at the intersection of high-level statistics and modern artificial intelligence.

- Access to specialized data labs with powerful servers for processing massive datasets.
- Learning from senior researchers who specialize in predictive modeling and deep learning.

- A curriculum that focuses on the latest tools like Python, R, Spark, and Cloud Analytics.
- Practical exposure through collaboration with local industries for data-driven projects.
- Supportive research environment that encourages the publication of original data models.

Program Objectives

- Mastering the techniques of extracting valuable patterns from messy and complex information.
- Building advanced predictive models to help organizations make smarter future decisions.
- Investigating new research methods to solve unique challenges in data mining.
- Developing leadership skills to manage large-scale data projects in the corporate world.
- Polishing the ability to present data findings through clear and impactful visualization.

Career Scope & Opportunities:

Graduates of MS Computing and Data Sciences have strong career prospects in multiple sectors, including technology, finance, healthcare, marketing, and research. Possible roles include:

- Principal Data Scientist
- Machine Learning Architect
- Senior Business Intelligence (BI) Consultant
- Big Data Solutions Engineer
- Lead Data Analyst in Finance or Healthcare

Practical Training, Internships & Research Exposure

- Writing a comprehensive research thesis focused on solving a real-world data problem.
- Hands-on practice with advanced AI frameworks and large-scale data modeling tools.
- Participating in data-hackathons and research seminars to refine analytical skills.
- Working on industry-based case studies to understand the business side of data science.

MS Computing and Data Sciences Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
DS/CS-XXX	Core I	3(2-1)
CS/DS-XXX	Core II	3(3-0)
CS-XXX	Specialization Core I	3(3-0)
CS/DS-XXX	Elective I	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
CS-XXX	Specialization Core II	3(3-0)
DS/CS-XXX	Core III	3(3-0)
CS/DS-XXX	Elective II	3(3-0)
CS/DS-XXX	Elective III	3(3-0)
Credit Hours		12

Semester III & IV

Course Code	Course Title	Credit Hours
DS-720	Thesis OR Courses In case a student is not opting research work, s/he will be required to enroll two elective courses of 6 credit hours)	6(0-6)
Credit Hours		06
Total Credit Hours		30

Core courses:

Course Code	Course Title	Credit Hours
DS-711	Statistical and Mathematical Methods For Data Science	3(3-0)
DS-712	Tools and Techniques in Data Science	3(3-0)
CS-728	Machine Learning	3(3-0)

Specialization Core Courses (Choose any two)

Course Code	Course Title	Credit Hours
CS-739	Big Data Analytics	3(3-0)
CS-764	Deep Learning	3(3-0)
CS-758	Natural Language Processing	3(3-0)
CS-736	Distributed Data Processing	3(3-0)

List of Elective Courses

Course Code	Course Title	Credit Hours
DS-712	Algorithmic trading	3(3-0)
DS-713	Data Visualization	3(3-0)
DS-714	Advance Big Data Analytics	3(3-0)
DS-715	Bioinformatics	3(3-0)
CS-766	Advance Topics in Cloud Computing	3(3-0)
DS-716	Computational Genomics	3(3-0)
DS-717	Bayesian Data Analysis	3(3-0)
CS-740	Advance Computer Networks	3(3-0)
DS-718	Deep Reinforcement Learning	3(3-0)
DS-721	High performance computing	3(3-0)
DS-722	Distributed Machine Learning in Apache Spark	3(3-0)
DS-723	Inference & Representation	3(3-0)
CS-786	Block chain	3(3-0)
DS-725	Optimization Methods for Data Science and Machine Learning	3(3-0)
DS-726	Probabilistic Graphical Models	3(3-0)
DS-727	Scientific Computing in Finance	3(3-0)
DS-728	Social network analysis	3(3-0)
DS-729	Time series Analysis and Prediction	3(3-0)
DS-730	Computer Vision	3(3-0)
DS-731	Distributed Data Processing and Machine Learning	3(3-0)
CS-721	Advanced Human-Computer Interaction	3(3-0)
CS-723	Advanced Software Project Management	3(3-0)

Frequently Asked Questions (FAQs)

1: What is MS Computing and Data Sciences at TUF?

A 2-year master's program that teaches advanced data analysis, visualization, and AI techniques for real-world applications.

2: Who can apply for MS Computing and Data Sciences?

Students with BS degrees in Computer Science, IT, Software Engineering, or equivalent qualifications.

3: What skills will I learn in this program?

Data analysis, visualization, machine learning, big data management, and AI-driven analytics.

4: What jobs are available after MS Computing and Data Sciences?

Graduates can work as data scientists, analysts, machine learning engineers, or business intelligence experts.

5: Why choose TUF for MS Computing and Data Sciences?

TUF provides modern labs, expert faculty, hands-on project experience, and training aligned with industry demands.



MS

Artificial Intelligence

Department of Computer Sciences

Short Title: MSDS

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 30

Eligibility: BSCS/BSSE/BSIT/ BSAI/ Master of Computer Science/Master of Information Technology/MSc Computer Science with CGPA 2.00/4.00 under the semester system or 60% marks under the annual system. GAT(General)TUF entry test with 50% marks

Introduction

The MS Artificial Intelligence at TUF is a two-year postgraduate degree designed to create the next generation of tech innovators. This program goes beyond basic coding to focus on how machines can mimic human intelligence to solve global challenges. It is ideal for professionals who want to lead in fields like robotics, smart healthcare, and automated business systems.

Why Choose MS Artificial Intelligence?

Choosing this master's program at TUF connects you with advanced research and the latest AI technologies in a highly professional setting.

- Access to specialized AI labs for training complex deep learning and neural network models.
- Guidance from expert researchers who are pioneers in automation and smart systems.

- A curriculum that evolves with the industry, covering Generative AI and advanced robotics.
- Opportunities to work on real-world datasets provided by our affiliated medical and industrial partners.
- A research-focused environment that helps you publish original AI solutions in top-tier journals.

Program Objectives

- Grasping advanced mathematical models that power modern machine learning algorithms.
- Leading the development of smart applications that can see, hear, and talk like humans.
- Innovating new ways to use AI for solving critical problems in medicine and finance.
- Mastering the ethical side of AI to ensure technology is safe and fair for everyone.
- Polishing research skills to contribute fresh ideas to the global artificial intelligence community.

Career Scope & Opportunities:

Graduates can pursue careers as:

- Senior AI Solution Architect
- Machine Learning Research Scientist
- NLP (Natural Language Processing) Specialist
- Computer Vision Engineer
- Chief Technology Officer (CTO) in tech startups

Practical Training, Internships & Research Exposure

- Completing an original research thesis that focuses on an unsolved problem in AI.
- Specialized training in cloud-based AI platforms and high-level programming tools.
- Participating in global AI hackathons and technical seminars held at the university.
- Hands-on experience with industry-standard frameworks like PyTorch, Keras, and TensorFlow.

MS Artificial Intelligence Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
	Applied Programming 1	NC
	Advanced Artificial Intelligence	3+0
	Mathematical Foundations of AI	3+0
	General Elective (Computing / MG)	3+0
	Elective-I	3+0
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
CS-XXX	Advanced Machine Learning	3+0
CS-XXX	Elective-II	3+0
CS-XXX	Elective-III	3+0
CS-XXX	Research Methodology	3+0
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
CS-720	Thesis OR courses. In case a student is not opting research work, s/he will be required to enroll two elective courses of 6 credit hours in lieu of thesis. However, s/he shall not be eligible to seek admission in PhD.	6 (0-6)
Credit Hours		06
Grand Total		30

Note: Applied Programming course is of No Credit (NC), but it must be passed.

- Registration in "MS Thesis/ Project – I" is allowed provided the student has
- Earned at least 15 credits
- Passed the "Research Methodology" course
- CGPA is equal to or more than 2.5

List of Elective Courses

Course Code	Course Title	Credit Hours
CS-721	Advanced Human-Computer Interaction	3(3-0)
CS-722	Advanced Requirements Engineering	3(3-0)
CS-723	Advanced Software Project Management	3(3-0)
CS-724	Advanced Software System Architecture	3(3-0)
CS-725	Advanced Topics in Applied Cryptography	3(3-0)
CS-726	Agile Software Development	3(3-0)
CS-727	Agent Based Modeling	3(3-0)
CS-728	Advance Machine Learning	3(3-0)
CS-729	Applied Cryptography	3(3-0)
CS-730	Recent Emerging Technologies	3(3-0)
CS-731	Artificial Neural Networks	3(3-0)
CS-732	Component Based Software Engineering	3(3-0)
CS-733	Cryptography	3(3-0)
CS-734	Database Security	3(3-0)
CS-735	Tools and Techniques in Data Science	3(3-0)
CS-736	Distributed Data Processing	3(3-0)
CS-737	Empirical Software Engineering	3(3-0)
CS-738	Statistical and Mathematical Methods For Data Science	3(3-0)
CS-739	Big Data Analytics	3(3-0)
CS-740	Advance Computer Networks	3(3-0)
CS-741	Selected Topics in Block;chain	3(3-0)
CS-742	Complex Networks	3(3-0)
CS-743	Quantum Cryptography	3(3-0)
CS-744	Reliability Engineering	3(3-0)
CS-745	Requirements Engineering	3(3-0)
CS-746	Security Management	3(3-0)
CS-747	Security Testing	3(3-0)
CS-748	Software Configuration Management	3(3-0)
CS-749	Information Privacy and Security	3(3-0)
CS-750	Software Process Management & Metrics	3(3-0)
CS-751	Software Project Management	3(3-0)
CS-752	Business Intelligence	3(3-0)
CS-753	Software Testing and Quality Assurance	3(3-0)
CS-754	Software Measurement and Metrics	3(3-0)
CS-755	Selected Topics in Cyber Security	3(3-0)
CS-756	Trusted Computing	3(3-0)
CS-757	Wireless Security	3(3-0)
CS-758	Natural Language Processing	3(3-0)
CS-759	Advance Network Security and Cryptography	3(3-0)
CS-760	Advance Simulation and Modeling	3(3-0)
CS-761	Software Risk Management	3(3-0)
CS-762	Management & Organizational Behavior	3(3-0)
CS-763	Selected Topics in Wireless Sensor Networks	3(3-0)
CS-764	Deep Learning	3(3-0)
CS-765	Selected Topics in Software Defined Networks	3(3-0)
CS-766	Advance Topics in Cloud Computing	3(3-0)
EE-734	Advanced Digital Image Processing	3(3-0)

Frequently Asked Questions (FAQs)

1. What is MS Artificial Intelligence at TUF?

It is a two-year postgraduate program that teaches students to design intelligent systems and apply machine learning to real-world challenges.

2. Who can apply for MS Artificial Intelligence?

Students with a BS degree in Computer Science, IT, Software Engineering, or related fields are eligible.

3. What will I learn in this program?

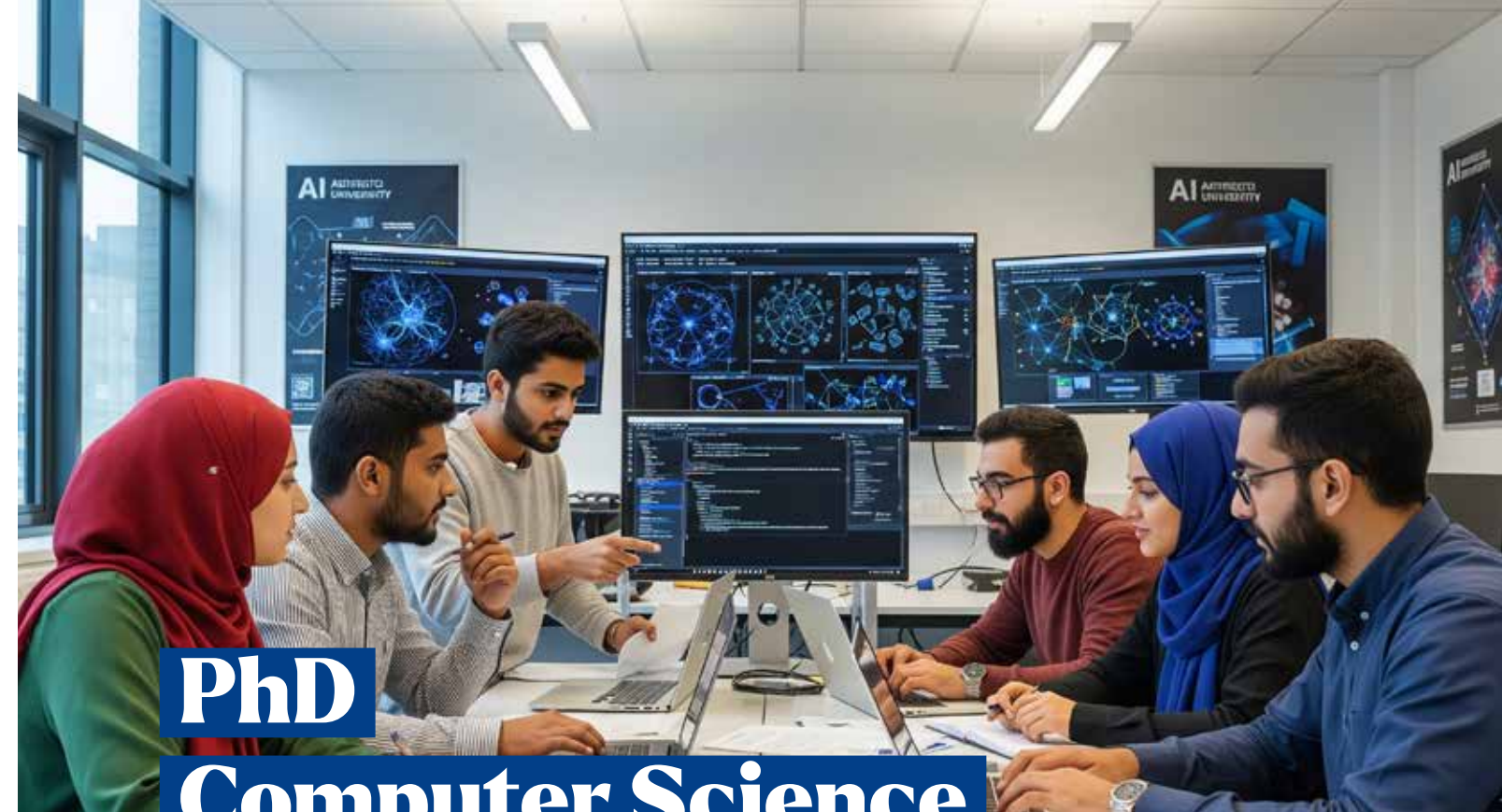
You'll gain skills in machine learning, deep learning, natural language processing, AI system development, and data-driven decision making.

4. What careers are available after completing MS Artificial Intelligence?

Graduates can work as AI Engineers, Data Scientists, Machine Learning Specialists, NLP Experts, or pursue research roles in AI innovation labs.

5. Does the program include practical training and research?

Yes, the program emphasizes hands-on labs, real-world projects, thesis work, and access to industry-standard AI tools and software.



PhD Computer Science

Department of Computer Sciences

Short Title: PhDCS

Study Level: Postgraduate

Duration: 6 Semesters (3 years)

Credit Hours: 30

Eligibility: 18 Years of Education, MS/MPhil or Equivalent degree from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system. A Graduate Record Examination (GRE) test administered by the Education Testing Service, or a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to pass.

Introduction

The PhD Computer Science at TUF is the highest level of academic excellence in the field of computing. This program is designed for scholars who want to move beyond existing knowledge and discover new ways to solve the world's most complex digital problems. It focuses on original research, allowing you to contribute new theories and technologies to the global scientific community.

Why Choose MS Artificial Intelligence?

Choosing a PhD at TUF means joining a community of elite researchers where innovation is backed by world-class resources.

- Access to high-end research facilities and cloud

- computing clusters for heavy data processing.
- Mentorship from HEC-approved supervisors who are internationally recognized for their research.
- A research-driven environment that encourages the publication of work in high-impact international journals.
- Opportunities for interdisciplinary research combining computing with healthcare, engineering, and business.
- Financial and academic support for attending international research conferences and workshops.

Program Objectives

- Contributing original ideas and theories to the field of advanced computational sciences.
- Mastering the art of scientific writing and critical evaluation of existing technologies.
- Leading large-scale research projects that address national and global technical challenges.
- Integrating emerging technologies like IoT and Quantum Computing into practical solutions.
- Producing high-quality research that can be patented or used for industrial innovation.

Career Scope & Opportunities:

Computer science being one of the essential fields of industry and always evergreen in terms of scope and job prospects students can job as:

- Senior Professor or Head of Research at top universities.

- Principal Scientist in global technology firms (like Google, Microsoft, or Meta).
- Chief Technology Officer (CTO) or Research Director in the corporate sector.
- Policy Advisor for government and international digital security organizations.
- Founder of high-tech startups based on original patented research.

Practical Training,
Internships & Research
Exposure

Students gain hands-on experience through:

- Completing an extensive doctoral thesis that offers a unique solution to a computing problem.
- Leading seminars and mentoring junior research students within the department.
- Collaborating with industrial partners for Applied Research projects.
- Specialized training in advanced research methodologies and data-driven scientific tools.

PhD Computer Science
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
SS-500	Research Methodology	3(3-0)
CS-XXX	Elective-I	3(3-0)
CS-XXX	Elective-II	3(3-0)
CS-XXX	Elective-III	3(3-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
CS-XXX	Elective-III	3(3-0)
CS-XXX	Elective-IV	3(3-0)
CS-XXX	Elective-V	3(3-0)
CS-XXX	Elective-VI	3(3-0)
Credit Hours		12

Semester III		
Course Code	Course Title	Credit Hours
CS-838	Comprehensive Exam	0
CS-839	Thesis Work (Continue)	6
Credit Hours		06

Semester IV		
Course Code	Course Title	Credit Hours
CS-839	Thesis Work (Continue)	
Credit Hours		-

Semester V		
Course Code	Course Title	Credit Hours
CS-839	Thesis Work (Continue)	
Credit Hours		-

Semester VI		
Course Code	Course Title	Credit Hours
CS-839	Thesis Work	
Total Credit Hours for Ph.D. Program		30

List of Elective Courses		
Course Code	Course Title	Credit Hours
CS-701	Advanced Human-Computer Interaction	3(3-0)
CS-702	Advanced Requirements Engineering	3(3-0)
CS-703	Advanced Software Project Management	3(3-0)
CS-704	Advanced Software System Architecture	3(3-0)
CS-705	Advanced Topics in Applied Cryptography	3(3-0)
CS-706	Agent Based Modeling	3(3-0)
CS-707	Agile Software Development	3(3-0)
CS-708	Applied Cryptography	3(3-0)
CS-709	Big Data Analytics	3(3-0)
CS-710	Complex Networks	3(3-0)
CS-721	Component Based Software Engineering	3(3-0)
CS-722	Cryptography	3(3-0)
CS-723	Database Security	3(3-0)
CS-724	Deep Learning	3(3-0)
CS-725	Distributed Data Processing	3(3-0)
CS-726	Empirical Software Engineering	3(3-0)
CS-727	Information Privacy and Security	3(3-0)
CS-728	Machine Learning	3(3-0)
CS-729	Management & Organizational Behavior	3(3-0)
CS-730	Natural Language Processing	3(3-0)
CS-731	Artificial Neural Networks	3(3-0)
CS-732	Quantum Cryptography	3(3-0)
CS-733	Reliability Engineering	3(3-0)
CS-734	Requirements Engineering	3(3-0)
EE-625	Internet of Things	3(3-0)
CS-735	Security Management	3(3-0)
CS-736	Security Testing	3(3-0)
CS-737	Software Configuration Management	3(3-0)
CS-738	Software Measurement and Metrics	3(3-0)
CS-728	Software Process Management & Metrics	3(3-0)
CS-729	Software Project Management	3(3-0)
CS-731	Software Risk Management	3(3-0)

List of Elective Courses		
Course Code	Course Title	Credit Hours
CS-731	Software Risk Management	3(3-0)
CS-742	Software Testing and Quality Assurance	3(3-0)
CS-738	Statistical and Mathematical Methods For Data Science	3(3-0)
CS-732	Tools and Techniques in Data Science	3(3-0)
CS-735	Trusted Computing	3(3-0)
CS-736	Wireless Security	3(3-0)
CS-730	Recent Emerging Technologies	3(3-0)
CS-737	Advanced Digital Image Processing	3(3-0)
CS-734	Blockchain	3(3-0)

Frequently Asked
Questions (FAQs)

- 1. How long is the PhD Computer Science program at TUF?**
The program is typically 3–4 years full-time, including coursework, research, and thesis completion.
- 2. Who is eligible to apply for this program?**
Students with an MS or MPhil in Computer Science or related fields with a minimum CGPA of 3.0/4.0 can apply.
- 3. What areas of research does the program cover?**
Research areas include Artificial Intelligence, Machine Learning, Big Data, Internet of Things (IoT), Cybersecurity, and advanced computational systems.
- 4. What careers can I pursue after PhD Computer Science?**
Graduates can work as university professors, researchers, AI specialists, data scientists, software engineers, or cybersecurity experts.
- 5. What makes PhD Computer Science at TUF special?**
TUF offers expert faculty guidance, well-equipped labs, industry collaborations, and a supportive research environment for original innovation and advanced studies.





ADP Computer Science

Department of Computer Sciences

Short Title: ADP (CS)

Study Level: Undergraduate

Duration: 4 Semesters (2 years)

Credit Hours: 60

Eligibility: Minimum 50% marks in Intermediate/12 years schooling/A- Level (HSSC) or equivalent with Mathematics are required for admission in all BS Computing Programs other than BS computing Engineering. *Equivalency certificate by IBCC will be required in case of education from some other country and system.

Introduction

The ADP Computer Science at TUF is a two-year degree that offers a fast track into the tech industry. It focuses on teaching the essential basics of coding, hardware, and digital systems. This program is perfect for students who want to gain technical skills quickly and start working in IT or move into a full BS degree later.

Why Choose ADP Computer Science?

Choosing this associate degree at TUF allows you to build a professional tech foundation in half the time of a traditional degree.

- Shorter duration that focuses on Job-Ready practical skills.
- Easy credit transfer into the 5th semester of BS Computer Science at TUF.

- Hands-on training in beginner-friendly programming languages like Python and C++.
- Guidance from the same high-level faculty that teaches the four-year programs.
- Small class sizes that ensure personalized attention for every student.

Program Objectives

- Building a solid base in computer programming and software basics.
- Developing logical thinking to solve simple and complex coding errors.
- Acquiring technical knowledge to manage small-scale office networks.
- Learning how to organize and store data using modern database tools.
- Preparing for professional certifications in IT support and networking.

Career Scope & Opportunities:

Graduates of ADP Computer Science can pursue roles in:

- Junior Web Developer
- IT Support Technician
- Junior Database Assistant
- Computer Lab Coordinator
- Network Support Associate

Practical Training, Internships & Research Exposure

Students gain hands-on experience through:

- Practicing daily in computer labs to master keyboarding and coding speed.
- Solving real-life IT problems through guided classroom projects.
- Participating in short internships to understand how software houses work.
- Learning how to assemble and troubleshoot computer hardware and software

ADP Computer Science Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
Gen-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-103	Teaching of Holy Quran with Translation I	Non-Credit
ENG-107	Functional English	3(3-0)
CS-102	Application of Information and Communication Technologies	3(2-1)
CS-111	Programming Fundamentals	4(3-1)
CS-113	Software Engineering	3(3-0)
MATH-105	Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		15+3

Semester II

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ENG-108	Expository Writing	3(3-0)
ISL-104	Teachings of Holy Quran with Translation-II	Non-Credit
CS-201	Digital Logic Design	3(2-1)
CS-112	Object Oriented Programming	4(3-1)
CS-202	Discrete Structure	3(3-0)
MGT-301	Entrepreneurship	2(2-0)
MATH-106	Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours		17+3

Semester III

Course Code	Course Title	Credit Hours
MATH-104	Calculus and Analytical Geometry	3(3-0)
ISL-201	Teachings of Holy Quran with Translation-III	Non-Credit
CS-418	Information Security	3(2-1)
CS-216	Data structures	4(3-1)
CS-213	Database Systems	4(3-1)
CS-204	Advanced programming Lab	3(1-2)
CS-205	Cyber Security Lab	3(1-2)
Credit Hours		20

Semester IV

Course Code	Course Title	Credit Hours
MATH 214	Linear Algebra	3(3-0)
ISL-202	Teachings of Holy Quran with Translation-IV	Non-Credit
CS-206	Mobile Application Development Lab	3(1-2)
CS-207	Advanced Database Systems Lab	2(0-2)
CS-316	Artificial Intelligence	3(2-1)
CS-208	Web Technologies Lab	3(1-2)
CS-311	Computer Organization and Assembly Language	3(2-1)
CS-314	Computer Networks	3(2-1)
Credit Hours		20
Total Credit Hours		72

Frequently Asked Questions (FAQs)

1. What is ADP Computer Science at TUF?

A 2-year associate degree teaching foundational programming, software, and IT skills.

2. Who is eligible for this program?

Students with Intermediate / HSSC / A-Level (Mathematics required) and a minimum 50% marks.

3. What practical skills will I gain?

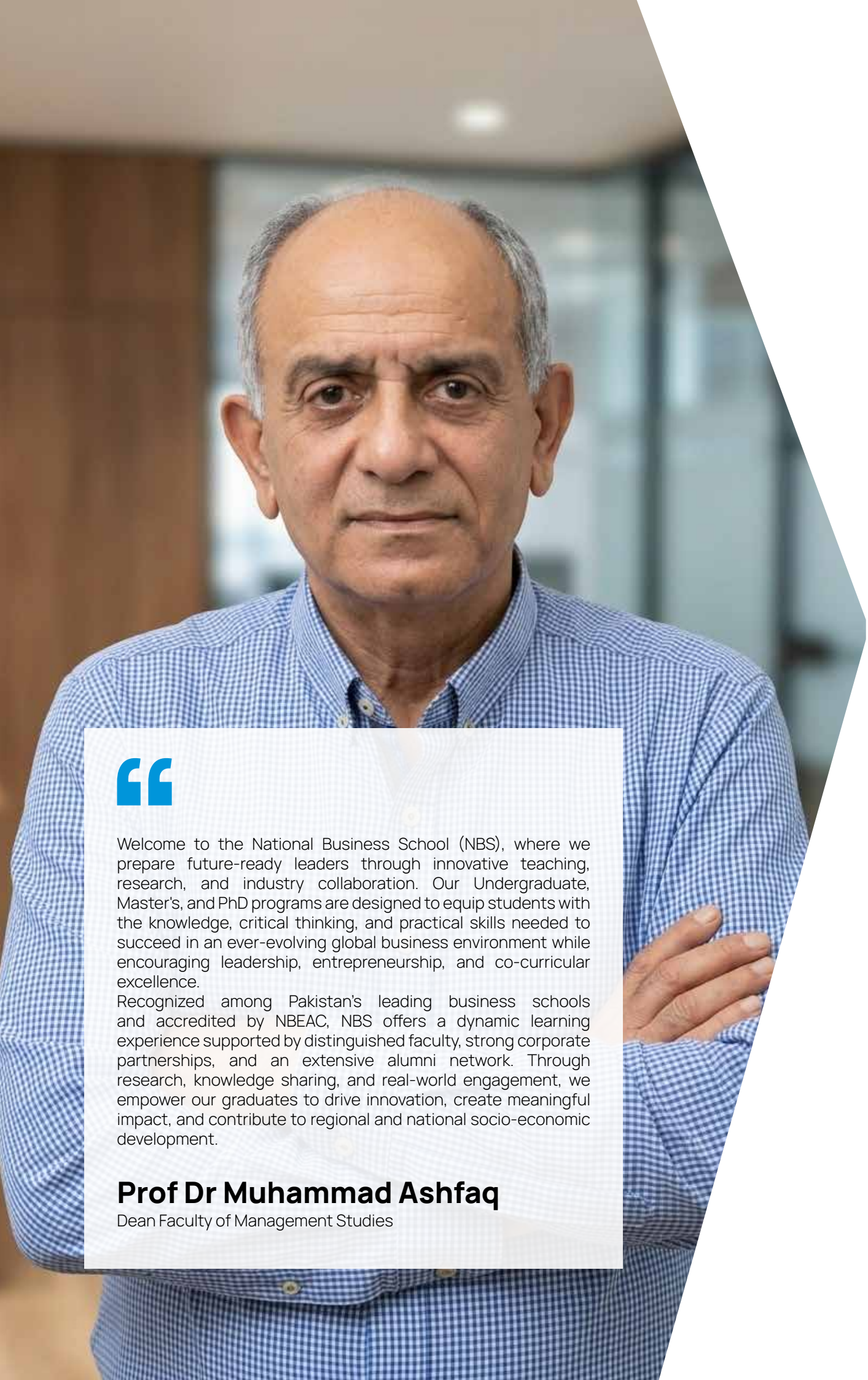
Hands-on training in coding, software tools, databases, and basic networking.

4. Can I get a job after completing ADP Computer Science?

Yes, in IT support, software development, web/mobile apps, or continue to a BS degree.

5. How long is the program?

The program spans 2 years, divided into 4 semesters with a total of 60 credit hours.



Faculty of Management Studies

TUF National Business School has grown over time into a hub for future business leaders, offering cutting-edge education to meet global demands. Each department empowers students with the skills to innovate, lead, and excel. Join us to shape your path to success in the ever-evolving world of business.

Programs Offered

National Business School

- BS Hospitality Management
- BS Culinary Arts & Gastronomy
- Bachelor of Business Administration (BBA)
- BBA (Agri Business)
- Post BBA
- BS Accounting & Finance
- BS Accounting & Finance (CAF Qualified)
- BS Aviation Management
- BS International Relations
- BS Business Analytics & Intelligence
- BS Digital Media & Broadcast Journalism
- MBA (Regular)
- MBA (Executive)
- MPhil Sociology
- MS Agri Business
- MS Management Sciences
- MS Project Management
- MS Risk & Safety Management
- MS Accounting & Finance
- PhD Supply Chain Management
- PhD Management Sciences
- ADP Business Administration
- ADP Accounting & Finance
- ADP Digital Media & Broadcast Journalism

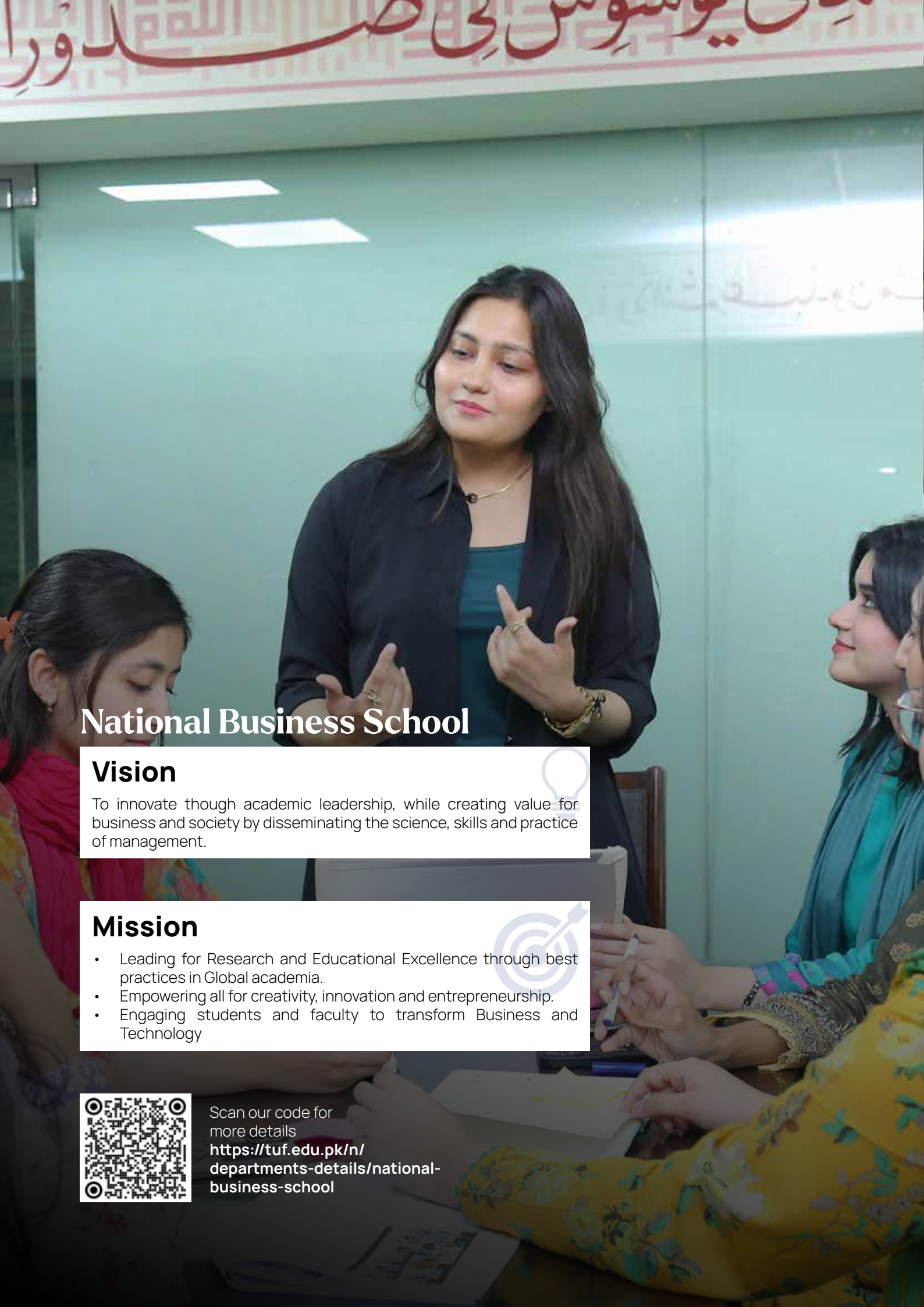


Welcome to the National Business School (NBS), where we prepare future-ready leaders through innovative teaching, research, and industry collaboration. Our Undergraduate, Master's, and PhD programs are designed to equip students with the knowledge, critical thinking, and practical skills needed to succeed in an ever-evolving global business environment while encouraging leadership, entrepreneurship, and co-curricular excellence.

Recognized among Pakistan's leading business schools and accredited by NBEAC, NBS offers a dynamic learning experience supported by distinguished faculty, strong corporate partnerships, and an extensive alumni network. Through research, knowledge sharing, and real-world engagement, we empower our graduates to drive innovation, create meaningful impact, and contribute to regional and national socio-economic development.

Prof Dr Muhammad Ashfaq

Dean Faculty of Management Studies



National Business School

Vision

To innovate through academic leadership, while creating value for business and society by disseminating the science, skills and practice of management.

Mission

- Leading for Research and Educational Excellence through best practices in Global academia.
- Empowering all for creativity, innovation and entrepreneurship.
- Engaging students and faculty to transform Business and Technology



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/national-business-school>

Bachelors of Business Administration

National Business School

Short Title: BBA

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BBA at TUF is a four-year journey that transforms students into professional managers and visionary leaders. This program covers the essentials of how modern companies operate, from managing teams to handling finances and marketing products. It is designed for those who want to understand the Big Picture of the corporate world and lead businesses with confidence.

Why Choose BBA program at TUF?

Choosing BBA at TUF gives you a competitive edge by blending academic theory with practical corporate exposure.

- Modern classrooms where learning happens through interactive business simulations.
- Networking opportunities with successful industry leaders and entrepreneurs.
- Specialized tracks in Marketing, Finance, and HR to match your career interests.
- Strong emphasis on public speaking and professional grooming for the corporate world.

- Career support through a dedicated placement cell that connects you with top employers.

Program Objectives

- Analyzing market trends to make smart and profitable business decisions.
- Polishing leadership skills to manage diverse teams in a professional environment.
- Understanding financial statements and how to manage company budgets.
- Creating effective marketing strategies to reach and engage modern customers.
- Building a strong ethical foundation for responsible business management.

Career Scope & Opportunities:

- The Bachelor of Business Administration opens doors to many career paths in different industries. Graduates can work as:
- Marketing Executive or Brand Manager
- Human Resource (HR) Coordinator
- Relationship Manager in the Banking sector
- Supply Chain Supervisor
- Small Business Owner (Entrepreneur)

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Participating in Business Plan competitions to pitch new startup ideas.
- Gaining real-world experience through mandatory internships in reputable firms.
- Solving Harvard-style case studies to understand global business challenges.
- Attending guest lectures and workshops by CEOs and industry experts.

Bachelor of Business Administration Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-103	Understanding of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-111	Introduction to Business	3(3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Understanding of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
FIN-112	Financial Accounting-I	3(3-0)
MGT-112	Principles of Management	3(3-0)
MGT-113	Computing Applications in Business	3(2-1)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Understanding of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
FIN-211	Financial Accounting-II	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
Credit Hours		16

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Understanding of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
MGT-212	Business Communication	3(3-0)
MGT-213	Human Resource Management	3(3-0)
MGT-214	Financial Management	3(3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
MGT-422	Corporate Finance	3(3-0)
MGT-423	Operations Research	3(3-0)
MGT-424	Marketing Research	3(3-0)
MGT-315	Management Information Systems	3(3-0)
MGT-314	Supply Chain Management	3(3-0)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
MGT-413	Business Ethics & CSR	3(3-0)
MGT-414	Marketing Management	3(3-0)
MGT-421	Business Law	3(3-0)
MGT-411	Statistical Tools for Research	3(3-0)
MGT-317	Operations Management	3(3-0)
Credit Hours		15

Summer		
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Semester VI		
Course Code	Course Title	Credit Hours
MGT-383	Information Technology Innovations in Business	3(3-0)
MGT-316	Organizational Behavior	3(3-0)
MGT-318	Total Quality Management	3(3-0)
GEN-410	International Business	3(3-0)
-	Elective-I	3(3-0)
-	Elective-II	3(3-0)
Credit Hours		18

Semester VII & VIII		
Course Code	Course Title	Credit Hours
MGT-410	Project	6(0-6)
MGT-412	Strategic Management	3(3-0)
-	Elective-III	3(3-0)
-	Elective-IV	3(3-0)
Credit Hours		15
Total Courses		49
Total Credit Hours		132

Elective Courses: Human Resource Management		
Course Code	Course Title	Credit Hours
Group 1		
HRM-311	Human Resource Development	3 (3-0)
HRM-313	Human Resource Analytics	3 (3-0)
Group 2		
HRM-312	Performance Management System	3 (3-0)
HRM-411	Employee Relation and Description	3 (3-0)
Group 3		
HRM-412	Career Development	3 (3-0)
HRM-414	Compensation Management	3 (3-0)
Group 4		
HRM-428	International Human Resource Management	3 (3-0)
HRM-429	Knowledge & Change Management	3 (3-0)

Marketing		
Course Code	Course Title	Credit Hours
Group 1		
MKT-311	Export Marketing	3 (3-0)
MKT-312	Consumer Behavior	3 (3-0)
Group 2		
MKT-313	Advertising	3 (3-0)
MKT-319	Sales Management	3 (3-0)
Group 3		
MKT-411	International Marketing	3 (3-0)
MKT-412	Services Marketing	3 (3-0)
Group 4		
MKT-413	E-Marketing	3 (3-0)
MKT-414	Digital Marketing	3 (3-0)

Finance		
Course Code	Course Title	Credit Hours
Group 1		
FIN-315	Investment Banking	3 (3-0)
FIN-316	Treasury and Fund Management	3 (3-0)
Group 2		
FIN-321	Financial Risk Management	3 (3-0)
FIN-322	Investment and Portfolio Management	3 (3-0)
Group 3		
FIN-415	Advance Corporate Finance	3 (3-0)
FIN-421	Islamic Banking Practices	3 (3-0)
Group 4		
FIN-418	Behavioral Finance	3 (3-0)
FIN-419	International Banking	3 (3-0)

Finance		
Course Code	Course Title	Credit Hours
Group 1		
ENT-311	Advanced Entrepreneurship	3 (3-0)
ENT-312	Islamic Entrepreneurship	3 (3-0)
Group 2		
ENT-313	Digital Entrepreneurship	3 (3-0)
ENT-314	HealthCare Entrepreneurship	3 (3-0)
Group 3		
ENT-411	Corporate Entrepreneurship	3 (3-0)
ENT-412	Contemporary Issues in Entrepreneurship	3 (3-0)
Group 4		
ENT-413	Social Entrepreneurship	3 (3-0)
ENT-414	Educational Entrepreneurship	3 (3-0)

Frequently Asked Questions (FAQs)

1. What is the Bachelor of Business Administration (BBA)?

It's a 4-year undergraduate program that develops skills in business management, leadership, and decision-making.

2. Who can apply for BBA at TUF?

Students who have completed Intermediate (FSc, ICS, or equivalent) with at least 45% marks are eligible.

3. What practical skills will I gain in the BBA program?

Students gain hands-on experience in internships, business projects, teamwork, leadership, and decision-making.

4. What careers are available after completing BBA?

Graduates can work as managers, marketing executives, HR officers, financial analysts, entrepreneurs, or project coordinators.

5. Can I pursue higher studies after BBA?

Yes, graduates can enroll in an MBA or other postgraduate business programs to further enhance their professional skills.



BBA Agri business

National Business School

Short Title: BBA AB

Study Level: Undergraduate

Duration: 8 Semesters (4 Years)

Credit Hours: 134

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

Agribusiness is one of the fastest-growing sectors of the economy, combining agriculture with modern business practices, technology, entrepreneurship, finance, marketing, and supply chain management. The BBA Agribusiness program is designed to develop professionals who can effectively manage agricultural enterprises, improve food systems, and contribute to sustainable economic growth.

The program integrates agricultural knowledge with business and management principles to prepare graduates for leadership roles in agribusiness firms, financial institutions, government organizations, development agencies, and entrepreneurial ventures. Developed in line with Higher Education Commission (HEC) guidelines and industry requirements, the program offers a balanced mix of theoretical knowledge and practical experience.

Why Choose BBA Agribusiness?

- Combines agriculture, business, technology, and entrepreneurship in a single degree.

- Addresses the growing demand for professionals in Pakistan's agriculture-based economy.
- Provides industry-relevant knowledge in agricultural marketing, finance, supply chain management, risk analysis, and international trade.
- Offers opportunities for professional certifications that enhance employability.
- Includes practical learning through internships, field placements, industry projects, and market exposure.
- Develops entrepreneurial skills for launching agribusiness startups and innovative ventures.
- Aligns with emerging trends such as digital agriculture, sustainability, climate-smart agriculture, and e-commerce.

Program Objectives

The BBA Agribusiness program aims to:

- Equip students with the skills and knowledge to manage and innovate within the Agribusiness.
- Develop leaders who can combine agricultural science and business to drive sustainable growth and improve food systems.
- Teach students about agricultural markets, finance, policy, and technology, while emphasizing sustainability and social responsibility.

Career Scope & Opportunities:

Graduates of BBA Agribusiness can pursue diverse

career opportunities in both public and private sectors.

Agribusiness and Corporate Sector

- Agribusiness Manager
- Supply Chain and Logistics Officer
- Sales and Marketing Executive
- Brand Manager
- Procurement Manager
- Operations Manager

Financial and Development Institutions

- Agricultural Credit Officer
- Rural Finance Analyst
- Risk Management Analyst
- Development Specialist
- Project Analyst

Government and Policy Sector

- Agriculture Officer
- Assistant Director Agriculture
- Policy Analyst
- Research Officer
- Planning and Development Specialist

Entrepreneurship and Private Ventures

- Agribusiness Entrepreneur
- Agri-Startup Founder
- Farm Management Consultant
- Value Addition and Processing Business Owner

Academia and Research

- Research Associate/Analyst
- Lecturer (subject to higher qualifications)
- Agricultural Policy Researcher

Practical training, internships & research exposure:

Internal Certifications

- Certificate in Agripreneurship and Innovation
- Certificate in Digital Marketing for Agribusiness
- Certificate in Sustainable Agriculture and Climate-Smart Practices

External Certifications

- Executive Certificate in Agribusiness Management (LUMS)
- Certificate in Agricultural Entrepreneurship (Institute of Business Administration, Karachi)
- Certificate in Supply Chain and Logistics Management
- Certificate in Agri Credit & Rural Finance

BBA Agribusiness Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-105	Fehm-e-Quran – I	1(0-1)
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies in Agri Business	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-111	Introduction to Agri Business	3(3-0)
Credit Hours		18

Semester II

Course Code	Course Title	Credit Hours
ISL-106	Fehm-e-Quran – II	1(0-1)
ENG-108	Expository Writing	3(3-0)
ISL-101 /		
ETH-100	Islamic Studies	2(2-0)
	Ethics	
GEN-105	Creative Arts	2(2-0)
ABM-121	Agriculture and Horticulture Production and Management	3(3-0)
MGT-113	Computing Applications in Business	3(2-1)
FIN-115	Financial Accounting in Agri Business	3(3-0)
Credit Hours		17

Semester III

Course Code	Course Title	Credit Hours
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
ABM-212	Food Chain Management	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
ABM-221	Agri-Processing & SME Management	3(3-0)
MGT-213	Human Resource Management in Agriculture	3(3-0)
MGT-316	Organizational Behavior	3(3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
ABM-312	Introduction to Agricultural Economics	3(3-0)
ABM-313	Livestock Business Management	3(3-0)
ABM-314	Poultry Business Management	3(3-0)
ABM-315	Agricultural Marketing	3(3-0)
ABM-316	Agri-Inputs Supply and Resources Management	3(3-0)
ABM-317	Water Markets and Pricing Mechanisms	3(3-0)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
MGT-318	Total Quality Management	3(3-0)
ABM-321	Export Management in Agri Business	3(3-0)
ABM-323	Retail Management	3(3-0)
ABM-324	Agriculture Price Analysis	3(3-0)
ABM-325	Agricultural Risk Analysis & Management	3(3-0)
ABM-326	International Trade of Agribusiness	3(3-0)
Credit Hours		18

Semester VII		
Course Code	Course Title	Credit Hours
ABM-411	E-commerce in Agribusiness	3(3-0)
ABM-412	Fisheries and Aquaculture Business Management	3(3-0)
MGT-412	Strategic Management	3(3-0)
MGT-413	Business Ethics & CSR	3(3-0)
ABM-414	Crop Production and Value Chain	3(3-0)
ABM-415	Agribusiness Research	3(3-0)
Credit Hours		18

Summer		
Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester VIII Market Semester		
Course Code	Course Title	Credit Hours
MGT-410	Project	3(0-3)
ABM-416	Market Internship / Field Placement	6 (0-6)
Credit Hours		09
Total Courses		47
Total Credit Hours		134

Frequently Asked Questions (FAQs)

1. Who can apply for this program?

Students from Pre-Medical, Pre-Engineering, ICS, Commerce, and other equivalent educational backgrounds can apply according to university admission requirements.

2. What is the duration of the program?

The program consists of 8 semesters completed over 4 years.

3. Does the program include internships?

Yes. Students complete an internship and a market internship/field placement as part of the degree requirements.

4. Are there opportunities for professional certifications?

Yes. The program offers both internal and external certification opportunities to enhance professional skills and employability.

5. Can graduates start their own business?

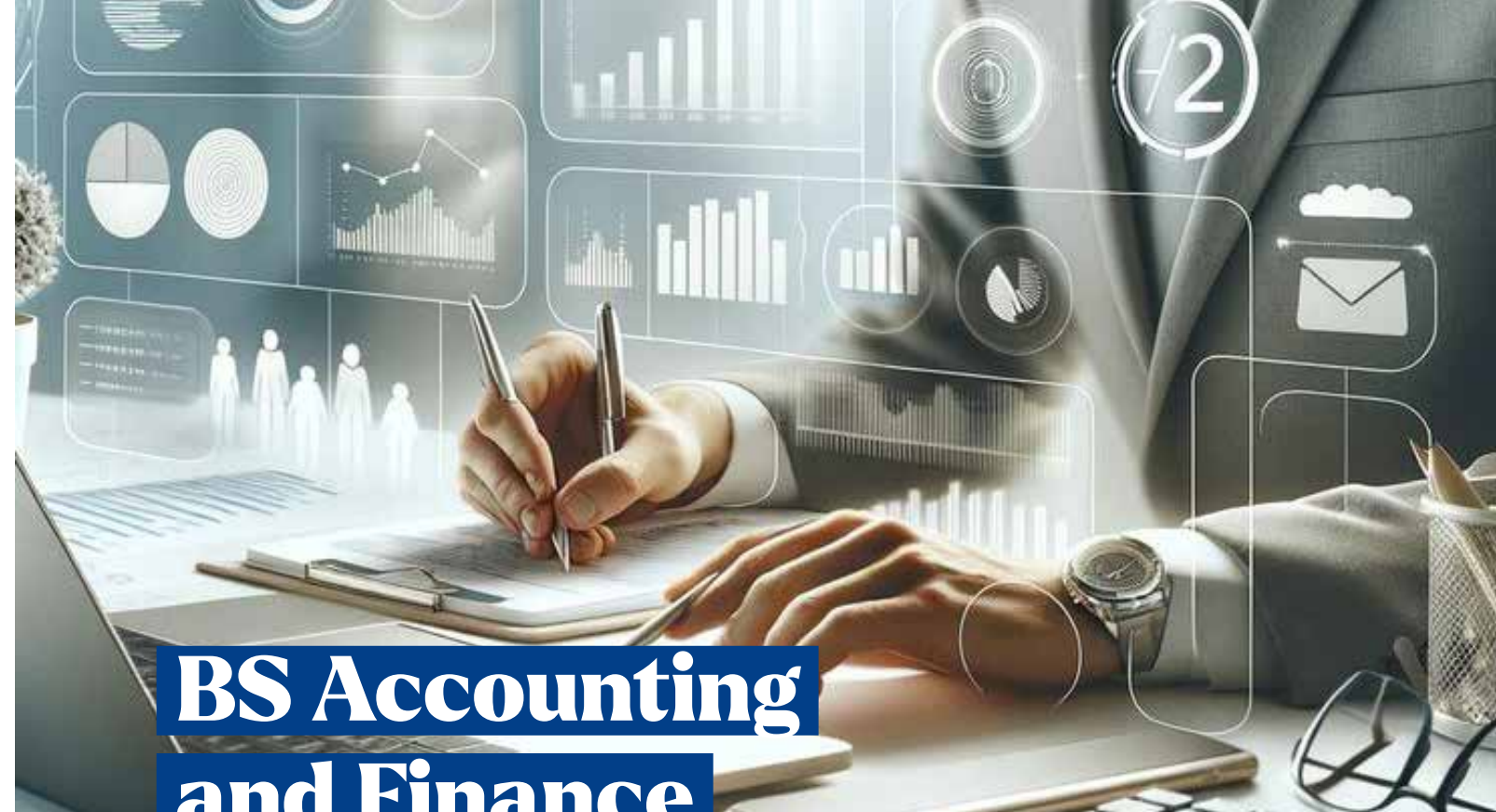
Yes. The curriculum strongly emphasizes entrepreneurship, innovation, and agribusiness venture development.

6. What industries can graduate work in?

Graduates can work in agribusiness companies, agricultural input firms, banks, NGOs, government departments, development organizations, research institutions, and agri-tech startups.

7. Is this degree aligned with industry requirements?

Yes. The curriculum has been developed according to HEC guidelines and market needs, with practical learning components and industry engagement.



BS Accounting and Finance

National Business School

Short Title: BSAF

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Accounting and Finance at TUF is a four-year degree that makes you an expert in managing money and business investments. This program teaches you how to read financial data, prepare tax reports, and guide companies toward profit. It is the perfect choice for students who have a sharp eye for numbers and want to build a career in the global financial market.

Why Choose BS Accounting and Finance?

Choosing this program at TUF provides a direct pathway to becoming a certified professional in the financial world.

- Curriculum aligned for ACCA, CA & ICMA exam exemptions.
- Training in modern accounting software like QuickBooks, Tally, and SAP.
- Learning from faculty who are seasoned professionals in auditing and taxation.
- Strong focus on Ethical Finance and Islamic banking principles.

- Regular workshops on the latest international financial reporting standards (IFRS).

Program Objectives

- Mastering the art of preparing accurate financial statements for large organizations.
- Analyzing investment risks to help businesses grow their wealth safely.
- Investigating financial records through advanced auditing and internal control methods.
- Understanding tax laws and regulations to ensure corporate legal compliance.
- Solving complex financial puzzles to improve a company's overall performance.

Career Scope & Opportunities:

Students can job as:

- Forensic Accountant or External Auditor
- Investment Banker or Financial Analyst
- Portfolio Manager in the Stock Market
- Tax Consultant for multinational firms
- Corporate Controller or Management Accountant

Practical training, internships & research exposure:

Students gain hands-on experience through:
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- Working on real-world auditing projects during university lab hours.
- Gaining practical experience through internships at banks or audit firms.
- Learning to use Microsoft Excel for advanced financial modeling and data analysis.
- Participating in seminars led by experts from the banking and insurance sectors.

Bachelor of Business Administration Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Understanding of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-114	Fundamentals of Accounting	3(3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Understanding of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies/-Ethics	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
FIN-115	Financial Accounting	3(3-0)
MGT-112	Principles of Management	3(3-0)
MGT-115	Introduction to Computing Applications	3(2-1)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Understanding of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
FIN-111	Financial Markets & Institutions	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Understanding of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
MGT-212	Business Communication	3(3-0)
MGT-213	Human Resource Management	3(3-0)
MGT-214	Financial Management	3(3-0)
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
MGT-319	Advanced Entrepreneurship	3(3-0)
MGT-313	Cost & Management Accounting	3(3-0)
FIN-311	Principles of Taxation	3(3-0)
FIN-312	Financial Reporting	3(3-0)
FIN-313	Corporate Governance	3(3-0)
Credit Hours		15

Semester VI

Course Code	Course Title	Credit Hours
FIN-314	Business Finance	3(3-0)
FIN-317	Managerial Accounting	3(3-0)
FIN-319	Principles of Auditing	3(3-0)
FIN-320	Econometrics	3(3-0)
-	Elective-I	3(3-0)
-	Elective-II	3(3-0)
Credit Hours		18

Semester VII

Course Code	Course Title	Credit Hours
FIN-411	Advanced Managerial Accounting	3(3-0)
FIN-412	Corporate Finance	3(3-0)
FIN-413	Advanced Auditing	3(3-0)
FIN-414	Business Law	3(3-0)
FIN-417	Financial Modeling	3(3-0)
Credit Hours		15

Summer

Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester VIII

Course Code	Course Title	Credit Hours
MGT-410	Project	6(0-6)
MGT-425	FINTECH	3(3-0)
-	Elective-III	3(3-0)
-	Elective-IV	3(3-0)
Credit Hours		15
Total Courses		49
Total Credit Hours		132

ELECTIVE COURSES : FINANCE

Course Code	Course Title	Credit Hours
FIN-315	Investment Banking	3 (3-0)
FIN-316	Treasury and Fund Management	3 (3-0)
FIN-321	Financial Risk Management	3 (3-0)
FIN-322	Investment and Portfolio Management	3 (3-0)
FIN-415	Advance Corporate Finance	3 (3-0)
FIN-421	Islamic Banking Practices	3 (3-0)
FIN-418	Behavioral Finance	3(3-0)
FIN-419	International Banking	3(3-0)

ACCOUNTING

Course Code	Course Title	Credit Hours
ACT-411	Financial Statement Analysis	3 (3-0)
ACT-412	Tax Management and Optimization	3 (3-0)
ACT-413	Advanced Financial Accounting	3 (3-0)
ACT-414	Essential Software of Accounting	3 (3-0)
ACT-314	Accounting Theory	3 (3-0)
ACT-415	Opinion Reporting	3 (3-0)
ACT-416	Accounting Advisory Services	3(3-0)
ACT-417	Accounting Information System	3(3-0)

Frequently Asked Questions (FAQs)

1. What is BS Accounting and Finance?

It's a four-year undergraduate program that trains students in accounting, finance, and business management.

2. Who can apply for this program?

Students with at least 45% marks in Intermediate (FSc, ICS, or equivalent) are eligible.

3. What practical skills will I gain in this degree?

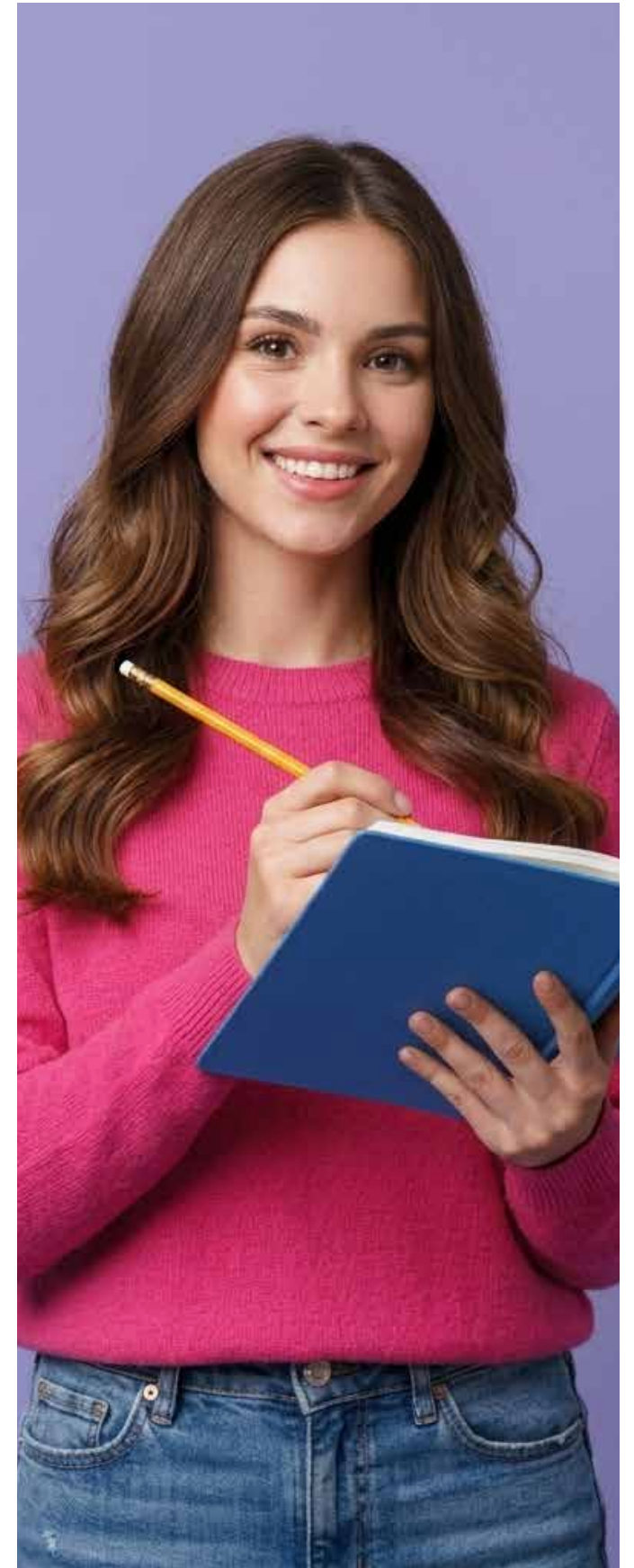
Students gain hands-on experience in financial reporting, auditing, budgeting, and investment analysis through internships and projects.

4. What jobs can I get after BS Accounting and Finance?

Graduates can work as accountants, auditors, financial analysts, tax consultants, or financial advisors.

5. Why study BS Accounting and Finance at TUF?

The program combines theoretical knowledge with practical training, preparing students for successful careers in finance, accounting, and business management.





BS International Relations

National Business School

Short Title: BSIRL

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS International Relations at TUF is a four-year degree that explores how the world works behind the scenes. It focuses on the relationships between countries, the causes of wars, and the power of peace-making through diplomacy. This program is perfect for students who are interested in history, current events, and how global decisions affect our daily lives.

Why Choose BS International Relations?

Choosing this program at TUF allows you to develop a global mindset while studying in a professional and research-oriented environment.

- Modern curriculum that covers global security, human rights, and international law.
- Guidance from faculty members who are experts in political science and foreign affairs.
- Opportunities to participate in Model United Nations (MUN) and debating competitions.
- Focus on improving analytical writing and public speaking skills for the world stage.

- Access to digital libraries and research journals to stay updated on world news.

Program Objectives

- Understanding the complex history and theories that shape world politics today.
- Analyzing the role of international organizations like the UN and OIC in global peace.
- Learning the art of negotiation and diplomacy to resolve international conflicts.
- Evaluating how global economics and trade impact a country's foreign policy. Developing critical thinking to predict future trends in international affairs.

Career Scope & Opportunities:

Graduates of the International Relations Degree Program have a wide range of career options in global affairs. They can work as:

- Diplomat or Foreign Service Officer
- Policy Analyst for Think Tanks
- International News Reporter or Journalist
- Program Coordinator for NGOs and UN agencies
- Political Consultant or Research Associate.

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Working on research projects that analyze current geopolitical crises.
- Gaining real-world experience through internships at embassies or government offices.
- Participating in seminars on climate change, global health, and human rights.
- Practicing foreign language skills and cross-cultural communication techniques.

BS International Relations Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-101	Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
IR-111	Introduction to International Relations	3(3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
IR-212	Globalization and International Relations	3(3-0)
MGT-120	Presentation and Communication Skills	3(3-0)
IR-211	Introduction to Anthropology	3(3-0)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
GEN-104	Political Science	3(3-0)
IR-112	Political History of Pakistan	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
IR-213	Foreign Policy of Pakistan	3(3-0)
IR-214	Geopolitical Structure of the World	3(3-0)
IR-215	Introduction to International Law	3(3-0)
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
IR-311	Introduction to Regional and International Organizations	3(3-0)
IR-312	Theories of International Relations	3(3-0)
IR-313	International Economic Relations	3(3-0)
IR-314	Contemporary Muslim World	3(3-0)
IR-315	Migration and Immigration in International Relations	3(3-0)
Credit Hours		15

Semester VI

Course Code	Course Title	Credit Hours
IR-411	International Security	3(3-0)
IR-412	International Politics of Environment	3(3-0)
IR-413	Media and Policy Making	3(3-0)
IR-414	Contemporary Issues of South Asia	3(3-0)
-	Elective-I	3(3-0)
-	Elective-II	3(3-0)
Credit Hours		18

Semester VII

Course Code	Course Title	Credit Hours
IR-415	Foreign Policies of Developing Countries	3(3-0)
IR-416	Public International Law	3(3-0)
IR-417	Contemporary International Issues	3(3-0)
IR-418	Conflict and Conflict Resolution	3(3-0)
IR-419	Foreign Policy Analysis	3(3-0)
Credit Hours		15

Summer

Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester VIII		
Course Code	Course Title	Credit Hours
IR-430	Project	6(0-6)
IR-420	Human Rights in International Relations	3(3-0)
-	Elective-III	3(3-0)
-	Elective-IV	3(3-0)
Credit Hours		15
Total Courses		49
Total Credit Hours		132

Elective Courses		
Course Code	Course Title	Credit Hours
IR-321	Emerging and Regional World Order	3(3-0)
IR-322	UN and OIC: Reforms and Restructuring	3(3-0)
IR-323	US Foreign Policy	3(3-0)
IR-324	Contemporary Issues of Middle East	3(3-0)
IR-421	Indo-Pak Relations and Kashmir Dispute	3(3-0)
IR-422	Law of Treaties	3(3-0)
IR-423	International Politics of Terrorism	3(3-0)
IR-424	Contemporary Defense Politics	3(3-0)
IR-425	International Politics of Ethnicity and Minorities	3(3-0)

Frequently Asked Questions (FAQs)

1. What is BS International Relations?

It's a 4-year undergraduate program focused on global politics, diplomacy, and international affairs.

2. Who can apply for BS International Relations at TUF?

Students with Intermediate (FSc, ICS, or equivalent) and an interest in global affairs are eligible.

3. What practical skills will I gain in this program?

Students gain hands-on experience in internships, diplomatic training, research, and international project work.

4. What career opportunities are available after BS International Relations?

Graduates can work in diplomacy, international organizations, government research, media, policy analysis, or pursue higher studies.

5. How long is the BS International Relations program?

The program is a 4-year full-time course, divided into 8 semesters.



BS Aviation Management

National Business School

Short Title: BSAM

Study Level: Undergraduate

Duration: 4 years

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Aviation Management at TUF is a four-year degree that prepares you to lead the world of air travel. This program focuses on the business and operational side of planes and airports, rather than flying them. It is designed for students who want to manage airline fleets, ensure passenger safety, and oversee the complex systems of modern international airports.

Why Choose BS Aviation Management?

Choosing this program at TUF gives you a professional advantage by combining management studies with specialized aviation training.

- Curriculum designed according to international civil aviation standards.
- Exposure to the latest technologies used in air traffic and cargo management.
- Learning from experts who have deep knowledge of airport planning and safety protocols.
- Strong focus on Passenger Experience and ground operation efficiency.

- Opportunities to visit airports and interact with airline professionals during the degree.

Program Objectives

- Mastering the rules and regulations of international air travel and safety.
- Understanding how to coordinate ground staff for smooth flight departures and arrivals.
- Learning the business of air cargo and how goods are transported globally.
- Improving leadership skills to handle emergency situations at airports.
- Gaining knowledge of airport design and how to manage large passenger terminals.

Career Scope & Opportunities:

Graduates of BS Aviation Management have a wide range of career options in the aviation industry. They can work in:

- Airport Manager or Terminal Supervisor
- Airline Operations Coordinator
- Air Cargo Manager
- Flight Dispatcher or Ground Handling Manager
- Aviation Safety Inspector

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Completing internships at major airports or with international airlines.
- Practicing flight scheduling and logistics management in specialized labs.
- Working on projects that focus on improving airport security and passenger flow.
- Attending seminars on the latest aviation laws and environmental policies.

BS Aviation Management Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MGT-112	Principles of Management	3(3-0)
MATH-114	Business Mathematics	3(3-0)
AVM-111	Introduction to Aviation	3(3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies/-Ethics	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
AVM-112	Aviation Sciences	3(3-0)
AVM-212	Aviation Law	3(3-0)
AVM-113	Aviation Weather	3(3-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
MGT-211	Principles of Marketing	3(3-0)
AVM-114	Aircraft General Knowledge	3(3-0)
AVM-211	Fundamentals of Airport Operations	3(3-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
AVM-214	Human Resource Management in Aviation	3(3-0)
AVM-215	Aircraft Communication	3(3-0)
AVM-213	Air Space and traffic Management	3(3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
AVM-314	Aircraft Performance and Flight Simulations	3(3-0)
AVM-315	Airline Marketing	3(3-0)
FIN-314	Business Finance	3(3-0)
AVM-316	Flight Operations Management	3(3-0)
AVM-311	Airport Planning and Management	3(3-0)
AVM-312	Human Factors in Aviation	3(3-0)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
AVM-401	Environmental Factors in Aviation	3(3-0)
AVM-403	Safety Managements Systems in Aviation	3(3-0)
AVM-313	Travel and Tourism in Aviation	3(3-0)
AVM-317	Global Airline Management	3(3-0)
AVM-318	Ethics and CSR Aviation	3(3-0)
Credit Hours		15

Semester VII		
Course Code	Course Title	Credit Hours
AVM-408	Crew Recourse Management	3(3-0)
AVM-409	Fiscal Aspects of Aviation	3(3-0)
AVM-402	Air Cargo and Ground Handling Services	3(3-0)
AVM-406	Airport & Aviation Security	3(3-0)
MGT-314	Aviation Supply chain and Logistics	3(3-0)
Credit Hours		15

Summer		
Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester VIII		
Course Code	Course Title	Credit Hours
AVM-420	Project	6(0-6)
AVM-404	Air transportation Management	3(3-0)
AVM-405	Strategic Management in Aviation	3(3-0)
MGT-418	Project Management	3(3-0)
Credit Hours		15
Total Courses		49
Total Credit Hours		132

Frequently Asked Questions (FAQs)

Q1. What is BS Aviation Management?

A four-year undergraduate program teaching airline operations, airport management, and aviation business.

Q2. Why choose BS Aviation Management at TUF?

Gain practical experience, industry knowledge, and leadership skills for aviation careers.

Q3. Who can apply for this program?

Students with Intermediate education (F.Sc, ICS, or equivalent) interested in aviation.

Q4. What jobs are available after BS Aviation Management?

Graduates can work in airlines, airports, air cargo, and aviation consultancy roles.

Q5. How long is the BS Aviation Management program?

It is a 4-year program divided into 8 semesters with practical projects and internships.



BS Business Analytics and Intelligence

National Business School

Short Title: BSAN

Study Level: Undergraduate

Duration: 4 years

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Business Analytics and Intelligence at TUF is a four-year degree that teaches you how to use data to make companies more successful. It is designed for students who love logic and numbers and want to use them to solve business puzzles. This program turns you into a professional who can predict market trends and help leaders make the right choices for their organization's growth.

Why Choose BS Business Analytics and Intelligence?

Choosing this program at TUF gives you a unique advantage by combining management expertise with high-tech analytical tools.

- Access to specialized business labs with the latest data visualization software.
- Learning from faculty who are experts in both corporate strategy and data technology.
- A curriculum that focuses on Predictive Analysis to stay ahead of competitors.
- Opportunities to work on live projects from the

- banking, retail, and healthcare sectors.
- Strong focus on transforming raw numbers into easy-to-understand business stories.

Program Objectives

- Mastering the tools needed to collect and clean business data for accurate reporting.
- Developing the ability to predict future sales and customer behavior using statistics.
- Learning how to create visual dashboards that help managers see the Big Picture.
- Understanding the ethics of data handling to protect sensitive business information.

Career Scope & Opportunities:

Graduates of BS Business Analytics and Intelligence can work in various industries:

- Strategic Business Consultant
- Business Intelligence (BI) Analyst
- Supply Chain Analyst
- Market Research Specialist
- Operations Performance Manager

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Analyzing real-world business case studies to find solutions for growth.
- Hands-on training in tools like Power BI, Tableau, and Advanced Excel.
- Gaining corporate experience through internships in data-driven departments.
- Working on a Final Year Project that provides a data-based solution for a local company.

BS Business Analytics and Intelligence

Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-111	Introduction to Business	3(3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
FIN-115	Financial Accounting	3(3-0)
MGT-112	Principles of Management	3(3-0)
MGT-113	Computer Applications in Business	3(3-1)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
MGT-215	Fundamentals of Business Analytics	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
CS-111	Programming Fundamentals	3(2-1)
MGT-213	Human Resource Management	3(3-0)
MGT-214	Financial Management	3(3-0)
Credit Hours		16

Semester V

Course Code	Course Title	Credit Hours
MGT-320	Data Structures and Business Applications	3(2-1)
MGT-480	Database Systems	3(2-1)
MGT-216	Business Communications	3(3-0)
MGT-321	Basic Econometrics	3(2-1)
MKT-440	Consumer Behavior	3(3-0)
Credit Hours		15

Semester VI

Course Code	Course Title	Credit Hours
MGT-432	Machine Learning and Business Analytics	3(2-1)
MGT-433	Business Data and Text Mining	3(3-0)
FIN-314	Business Finance	3(3-0)
MGT-434	Business Strategy	3(3-0)
-	Elective-I	3(3-0)
-	Elective-II	3(3-0)
Credit Hours		18

Semester VII

Course Code	Course Title	Credit Hours
MGT-435	Decision Science for Business	3(3-0)
ENT-311	Advanced Entrepreneurship	3(3-0)
MGT-436	Legal and Ethical Issues in Business Analytics	3(3-0)
MGT-437	Business Intelligence and data Visualization	3(2-1)
MGT-418	Project Management	3(3-0)
Credit Hours		15

Summer

Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester VIII

Course Code	Course Title	Credit Hours
MGT-410	Project	6(0-6)
MGT-438	Predictive Analytics	3(3-0)
-	Elective-III	3(3-0)
-	Elective-IV	3(3-0)
Credit Hours		15
Total Courses		49
Total Credit Hours		132

Elective Courses

Course Code	Course Title	Credit Hours
BA-311	Human Resource Analytics	3 (3-0)
BA-312	ERP Marketing	3 (3-0)
BA-313	Marketing Analytics	3 (3-0)
BA-314	Artificial Intelligence	3 (3-0)
BA-411	Finance Analytics	3 (3-0)
BA-412	Balance Score Card and Performance Management	3 (3-0)
BA-413	Big Data Analytics	3 (3-0)
BA-414	Management Information System	3 (3-0)
BA-415	Supply Chain Operations	3 (3-0)

Frequently Asked Questions (FAQs)

1. What is BS Business Analytics and Intelligence?

It's a 4-year undergraduate degree teaching how to analyze data and support business decisions.

2. Who is eligible to apply?

Students with Intermediate education (F.Sc, ICS, or equivalent) and minimum 45% marks can apply.

3. Does the program include practical training?

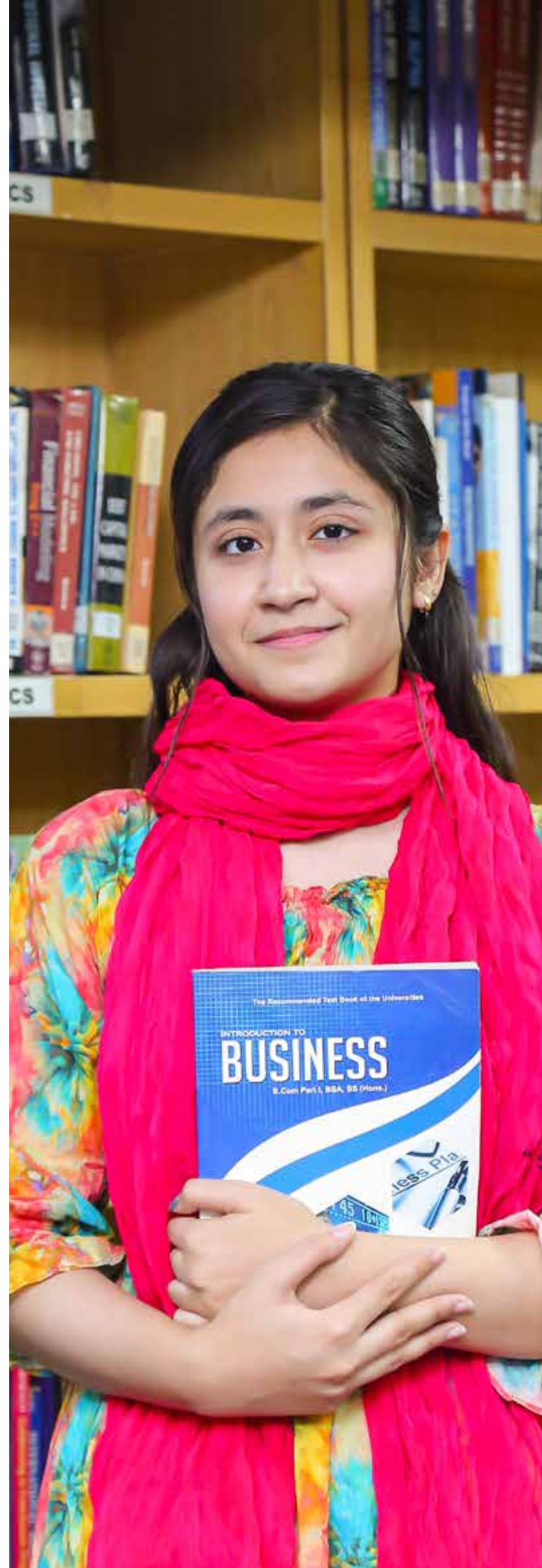
Yes, students gain hands-on experience with real datasets, analytics software, and business projects.

4. What career options are available after this program?

Graduates can work as business analysts, data analysts, BI specialists, or operations analysts.

5. What skills will I gain in BS Business Analytics and Intelligence?

Students learn data analysis, business statistics, visualization, decision-making, and practical analytics skills for real-world applications.



BS Digital Media and Broadcast Journalism

National Business School

Short Title: BSPMJ

Study Level: Undergraduate

Duration: 4 years

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Digital Media and Broadcast Journalism at TUF is a four-year degree that turns your creativity into a professional career. This program is not just about reading news on TV, it is about mastering the art of storytelling across YouTube, Social Media, Podcasts, and traditional Newsrooms. It is designed for students who want to be the Voice and Face of the modern digital world.

Why Choose BS Digital Media and Broadcast Journalism?

Choosing this program at TUF gives you the chance to practice in a high-tech environment that feels like a real media house.

- Access to professional TV studios, radio booths, and high-end video editing suites.
- Learning from media veterans and digital creators who know how to go viral.
- A curriculum that balances traditional journalism ethics with modern social media trends.

- Frequent workshops on mobile journalism (MoJo) and high-quality content production.
- Opportunities to build your own digital brand and portfolio while you study.

Program Objectives

- Mastering the technical skills to shoot, edit, and produce high-quality video content.
- Developing a confident personality for TV anchoring, podcasting, and public speaking.
- Learning the art of writing catchy scripts for news, documentaries, and digital ads.
- Understanding media laws and ethics to ensure responsible and truthful reporting.
- Exploring digital marketing and social media strategies to grow online audiences.

Career Scope & Opportunities:

Graduates of BS Digital Media and Broadcast Journalism have wide career options in Pakistan and abroad.

- News Anchor or Investigative Reporter
- Digital Content Creator / YouTuber
- Social Media Manager or PR Executive
- Video Editor and Documentary Filmmaker
- Podcast Producer or Radio Jockey (RJ)

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Producing your own news bulletins and short films in the university studio.
- Industry exposure through TV and digital media internships.
- Managing live social media campaigns for university events to practice digital PR.
- Participating in seminars on "Fake News" detection and digital fact-checking.

BS Digital Media and Broadcast Journalis Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran with Translation I	NC
ENG-107	Functional English I	3 (3-0)
MC-121	Introduction to Digital Media	3 (3-0)
CS-101	Application of Information & Communication Technologies	3 (2-1)
MC-122	Reporting & Journalistic Writing/Language	3 (3-0)
GEN-104	Ideology & Constitution of Pakistan	2 (2-0)
MC-123	Media & Social Psychology	3 (3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran with Translation II	NC
ISL-101	Islamic Studies	2 (2-0)
ETH-100	Ethics	
ENG-108	Expository Writing	3 (3-0)
MC-124	Introduction to TV & Radio	3 (3-0)
GEN-105	Creative Arts	2 (2-0)
PM-417	Photo Journalism	3 (3-0)
MC-125	Digital Media Literacy	3 (3-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran with Translation III	NC
GEN-202	Environmental Studies	3 (2-1)
MC-221	Communication Theories	3 (3-0)
GEN-203	Community Service Learning	2 (2-0)
MC-222	World Cinema	3 (3-0)
STAT-301	Statistics	3 (3-0)
MC-420	Development Support Communication	3 (3-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran with Translation IV	NC
MC-218	Media Laws & Ethics	3 (3-0)
MC-213	Current Affairs	3 (3-0)
GEN-310	Research Methodology	3 (3-0)
MC-225	Digital Marketing & Public Relations	3 (3-0)
GEN-206	Entrepreneurship	2 (2-0)
PSY-201	Psychology	2 (3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
MC-324	Graphic Designing & Visual Communication	3 (3-0)
MC-326	Media Management & Marketing	3 (3-0)
MC-320	Data Journalism	3 (3-0)
MC-327	Screenplay Writing	3 (3-0)
-	Elective I	3 (3-0)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
MC-328	TV Program Production	3 (3-0)
MC-329	Web Designing	3 (3-0)
MC-330	Electronic News Gathering (ENG)	3 (3-0)
MC-331	Set Design & Floor Management	3 (3-0)
MC-416	Media Seminar	3 (3-0)
Credit Hours		15

Semester VII		
Course Code	Course Title	Credit Hours
MC-423	Streaming Platforms	3 (3-0)
-	Elective II	3 (3-0)
MC-314	Contemporary World Media	3 (3-0)
MC-419	International Media Regulations	3 (3-0)
MC-428	Digital Media Analytics	3 (3-0)
Credit Hours		15

Summer		
Course Code	Course Title	Credit Hours
GEN-410	Internship	3 (0-3)
Credit Hours		03

Semester VIII		
Course Code	Course Title	Credit Hours
-	Elective III	3 (3-0)
-	Elective IV	3 (3-0)
MC-429	2D-3D Animations	3 (2-1)
MC-424/td>	Report Writing	3 (3-0)
MC-430	Project	6 (0-6)
Credit Hours		18
Total Courses		49
Total Credit Hours		132

Elective Courses: Print Media		
Course Code	Course Title	Credit Hours
PM-411	Advanced Reporting	3 (3-0)
PM-412	Newspaper Management & Production	3 (3-0)
PM-413	Effective & Concise Writing	3 (3-0)
PM-414	Opinion and Editorial Writing	3 (3-0)
PM-415	Advanced Multimedia Writing	3 (3-0)
PM-416	Advanced International News Coverage	3 (3-0)
PM-417	Photojournalism	3 (3-0)
PM-418	Newspaper Management	3 (3-0)

Electronic Media		
Course Code	Course Title	Credit Hours
EM-411	Film Theater & Society,	3 (3-0)
EM-412	Introduction to Film Studies	3 (3-0)
EM-413	Script writing for Radio & TV	3 (3-0)
EM-414	Live/Outdoor Broadcasting	3 (3-0)
EM-415	Types of Production	3 (3-0)
EM-416	Television Commercial	3 (2-1)
EM-417	Documentary Production	3 (2-1)

Advertising & Public Relations		
Course Code	Course Title	Credit Hours
ADV-411	Advertising –I	3 (3-0)
ADV-412	Public Relations–I	3 (3-0)
ADV-413	Advertising–II	3 (3-0)
ADV-414	Public Relations–II	3 (3-0)
ADV-415	SEO & SMO	3 (2-1)

Development Support Communication		
Course Code	Course Title	Credit Hours
DSC-411	Mass Communication Theories, Crisis	3 (3-0)
DSC-412	Management Communication	3 (3-0)
DSC-413	International Communication	3 (3-0)
DSC-414	Communication Research Methods	3 (3-0)

Frequently Asked Questions (FAQs)

- 1. What is BS Digital Media and Broadcast Journalism?**
It's a 4-year undergraduate program that teaches students how to create, edit, and share news and digital media content.
- 2. Why choose this program at TUF?**
TUF offers modern studios, expert faculty, hands-on projects, and practical media training for real-world readiness.
- 3. Who is eligible to apply?**
Students with Intermediate or equivalent education

- and at least 45% marks can apply.
- 4. What career options are available after this degree?**
Graduates can work as reporters, anchors, video editors, social media managers, content creators, or PR executives.
- 5. Does the program include practical training?**
Yes, students receive studio training, internships, media ethics instruction, and hands-on experience in broadcasting and digital media.





BS Culinary Arts & Gastronomy

National Business School

Short Title: BSCAG

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Culinary Arts & Gastronomy at TUF is a four-year professional degree that turns a passion for food into a global career. It is built for students who want to combine the craft of the kitchen with the science of food, the business of restaurants and the storytelling of modern gastronomy. The programme moves seamlessly between hands-on cooking, pastry, beverage and food-styling work and the analytical study of nutrition, food chemistry, food safety and menu economics.

Why Choose BS Culinary Arts & Gastronomy at TUF?

Food is one of the world's largest service industries. According to recent industry reports, the global food service market is valued at around USD 4 trillion and is projected to grow steadily through the next decade, with the global restaurant sector alone employing more than 12 million people. Pakistan's restaurant, café, bakery and catering markets are expanding fast, and trained culinary professionals with both kitchen skill and business sense are in short supply.

BSCAG at TUF positions you for this market through:

- A rare combination of hands-on culinary training, food science and food business management in a single 132-credit-hour degree.
- Practical, lab-based courses in culinary arts, pastry, baking, garde manger, beverages and food styling.
- Food-science grounding through biochemistry, nutrition, food analysis, microbiology and food safety.
- Business modules – entrepreneurship, financial management, cost control, menu development and project management – to help graduates run, not just work in, food businesses.
- Exposure to global trends through global cuisines, digital gastronomy, AI-powered innovation and a French language module.

Program Objectives

The BSCAG programme is designed to develop creative, business-minded culinary professionals who can thrive in any modern kitchen or food enterprise. The specific objectives are to:

- Produce professionally competent culinary arts and gastronomy practitioners with strong technical skills, high ethical values and excellent leadership qualities, suited to diverse food-service and hospitality settings.
- Equip graduates with entrepreneurial and business management skills so they can establish and operate innovative food ventures, catering enterprises and hospitality businesses with sound financial and operational decision-making.

- Foster a research-oriented mindset and a habit of lifelong learning, preparing graduates to engage with culinary research, food product development and the constantly evolving global food industry.
- Build working knowledge of food science, nutrition, food safety and HACCP-based quality systems, so graduates can deliver hygienic, standards-compliant, high-quality food.
- Develop creative competence in menu design, gastronomy concepts, food styling and digital marketing, enabling graduates to create memorable dining experiences and strong food brands.

Career Scope & Opportunities:

BSCAG graduates are positioned to enter this market as skilled, business-aware professional – not just chefs. Their training also opens doors to roles in food media, product development, food safety, hospitality and entrepreneurship.

Typical career paths for BSCAG graduates include:

- Sous Chef or Chef de Partie in hotels, resorts and fine-dining restaurants.
- Pastry Chef or Boulanger in commercial bakeries, patisseries and hotels.
- Food Entrepreneur, Restaurant Owner or Catering Business Proprietor.
- Food and Beverage Manager or Kitchen Manager.
- Banquet and Catering Manager in hotels and event companies.
- Food Stylist, Food Photographer or Culinary Content Creator.
- Product Development Specialist in the food manufacturing and FMCG industry.
- Food Safety Officer or Quality Assurance Manager.
- Beverage and Mixology Specialist in hotels, resorts and beverage brands.
- Culinary Educator, Trainer or Culinary School Instructor.

Practical training, internships & research exposure:

BSCAG is, above all, a practical degree. Hands-on work is woven through all eight semesters:

- Lab-based culinary courses – Fundamentals of Culinary Arts, Modern Culinary Techniques, Pastry Arts, Gastronomy The World of Baking, Garde Manger, Beverages & Mixology and Food Styling.
- Food-science labs, Food Analysis & Microbiology and Food Safety.
- A mandatory supervised industry internship (GEN-410, 3 credit hours) after Semester IV, in kitchens, hotels, bakeries, catering operations or food

manufacturing units.

- Live business projects in Menu Development & Profitability, Food Product Development & Innovation and Corporate Entrepreneurship.
- Research Methodology (GEN-310) leading to a Final Year Project (CAM-409) in Semester VIII.

BS Culinary Arts & Gastronomy Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ENG-107	Functional English	3(3-0)
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
CAM-101	Hospitality Management & Culinary Enterprise Foundations	3(3-0)
CAM-102	Introduction to Gastronomy	3(3-0)
CAM-103	Fundamentals of Culinary Arts	3(2-1)
Credit Hours		18

Semester II		
Course Code	Course Title	Credit Hours
ISL-106	Understanding of Quran II	1(0-1)
ENG-108	Expository Writing	3(3-0)
ISL-101 / ETH-100	Islamic Studies / Ethics	2(2-0)
CAM-104	Culinary Tourism & Food Culture	3(3-0)
CAM-105	Fundamentals of Human Nutrition	3(3-0)
CAM-106	Food Biochemistry	3(3-0)
CAM-107	Modern Culinary Techniques	3(2-1)
Credit Hours		18

Semester III		
Course Code	Course Title	Credit Hours
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
CAM-201	Quantitative Skills for Culinary Professionals	3(3-0)
CAM-202	Human Resource Management in Hospitality	3(3-0)
CAM-203	Micro Nutrients in Human Nutrition	3(3-0)
Credit Hours		15

Semester IV		
Course Code	Course Title	Credit Hours
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
PS-101	Pakistan Studies	2(2-0)
CAM-204	Meat Identification and Fabrication	3(2-1)
CAM-205	Fish and Crustaceans	3(2-1)
CAM-207	AI-Powered Innovation	3(2-1)
Credit Hours		18

Summer Session		
Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester V		
Course Code	Course Title	Credit Hours
CAM-301	Marketing – Introduction to Service Marketing	3(3-0)
CAM-302	Food Analysis and Microbiology	3(3-0)
CAM-303	Food, Society & Digital Gastronomy	3(3-0)
CAM-304	Culinary Statistics	3(3-0)
CAM-305	Pastry Arts	3(2-1)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
CAM-306	Financial Management	3(3-0)
CAM-307	Food Safety and Food Styling	3(2-1)
CAM-308	Garde Manger	3(2-1)
CAM-309	Beverages and Mixology	3(2-1)
CAM-310	Food and Beverage Management and Cost Control	3(3-0)
Credit Hours		15

Semester VII		
Course Code	Course Title	Credit Hours
CAM-401	French Language Skills	3(3-0)
CAM-402	The World of Baking	3(2-1)
CAM-403	Digital Marketing	3(3-0)
CAM-404	Global Cuisines & Cross-Cultural Gastronomy	3(2-1)
CAM-405	Menu Development and Profitability	3(3-0)
CAM-406	Food Product Development & Innovation	3(3-0)
Credit Hours		18

Semester VIII		
Course Code	Course Title	Credit Hours
CAM-407	Corporate Entrepreneurship	3(3-0)
CAM-408	Kitchen Management and Leadership	3(3-0)
CAM-409	Final Year Project	3(0-3)
CAM-410	Project Management	3(3-0)
Credit Hours		12

Frequently Asked Questions (FAQs)

1: What is the eligibility for BS Culinary Arts & Gastronomy at TUF?

Candidates with Intermediate (FA / FSc / ICS / I.Com / DAE) or A-Levels or equivalent qualification, with a minimum of 45% marks, can apply.

2: Do I need prior cooking experience to apply?

No. The programme starts with Fundamentals of Culinary Arts and builds skill levels semester by semester. A genuine interest in food, hygiene and creativity is more important than prior experience.

3: Is the programme practical or theoretical?

Both, by design. Many major courses – Fundamentals of Culinary Arts, Modern Culinary Techniques, Pastry Arts, The World of Baking, Garde Manger, Beverages & Mixology and Food Styling – carry practical credit and are taught in kitchen-equipped settings, alongside theory courses in nutrition, food science and food business.

4: Is an internship compulsory?

Yes. A 3-credit-hour supervised industry internship is mandatory in the summer session after Semester IV, typically completed at hotels, restaurants, bakeries, catering companies or food production units.

5: What jobs can BSCAG graduates expect?

Graduates work as sous chefs, pastry chefs, kitchen and F&B managers, banquet and catering managers, food stylists, food-product developers, food-safety officers, mixology specialists and culinary trainers. Many start their own restaurants, cafés, bakeries or catering businesses.

6: Can I study further after BSCAG?

Yes. BSCAG is a 4-year, 132-credit-hour Bachelor's degree and makes graduates eligible for MS / MPhil / MBA programmes in Hospitality Management, Food Science, Nutrition, Tourism and Business Administration, in Pakistan and abroad.

7: Does the programme cover the business side of food?

Yes. Through Entrepreneurship, Financial Management, Food and Beverage Management and Cost Control, Menu Development and Profitability, Project Management and Corporate Entrepreneurship, graduates learn how to plan, cost, market and lead a food business – not just cook for one.

8: Are Pakistani and global cuisines both covered?

Yes. The curriculum includes Culinary Tourism and Food Culture, Global Cuisines and Cross-Cultural Gastronomy and Food, Society and Digital Gastronomy, ensuring graduates can confidently work with local heritage cuisine and international culinary trends.



BS Hospitality Management

National Business School

Short Title: BSHM

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Hospitality Management at TUF is a four-year professional degree that prepares students to lead in one of the world's fastest-growing service industries. The programme blends academic rigour with hands-on training in hotel operations, tourism, food and beverage management, event planning and customer-experience design. From the front desk of a five-star hotel to the boardroom of a global resort chain, BSHM graduates are equipped to manage people, places and memorable guest experiences.

Why Choose BS Culinary Arts & Gastronomy at TUF?

Hospitality and tourism is one of the world's largest and fastest-growing industries – a sector that, according to recent industry reports, is valued at nearly USD 5 trillion globally and supports around 330 million jobs worldwide, with travel and tourism employment projected to keep expanding through the next decade. Pakistan's own hotel, restaurant and tourism markets are growing rapidly, creating consistent demand for qualified, professionally trained managers.

BSHM at TUF gives you a strong head start in this industry through:

- A specialised, HEC-aligned degree covering hotels, tourism, F&B, events and revenue management in one programme.
- Hands-on training in front office, housekeeping, culinary arts and food and beverage operations.
- Modern classrooms where learning happens through interactive simulations.
- AI, digital marketing and revenue management modules aligned with the modern hospitality workplace.
- Faculty drawn from both academia and the hospitality industry, and a learning culture rooted in ethical and Islamic values.

Program Objectives

The BSHM programme is designed to produce graduates who can step into the hospitality and tourism industry with confidence and grow into leadership roles. The specific objectives of the programme are to:

- Develop professionally competent hospitality and tourism managers with strong technical skills, high ethical values and excellent leadership qualities suitable for diverse hotel, resort and tourism settings.
- Build entrepreneurial and business management capability so that graduates can establish and operate innovative hospitality, tourism and food-service ventures with sound financial and operational judgement.
- Foster a research-oriented, lifelong-learning

- mindset that prepares graduates for higher studies, hospitality research and ongoing professional development as the industry evolves.
- Strengthen communication, teamwork and cross-cultural skills so graduates can deliver outstanding guest experiences and lead diverse teams in global service environments.
 - Equip students with the digital, analytical and AI-driven competencies needed to thrive in modern hospitality operations, from revenue management to digital marketing.

Career Scope & Opportunities:

BSHM graduates find opportunities across hotels, resorts, restaurants, airlines, tour operators, event management companies, government tourism bodies and their own start-ups. The degree opens doors locally and abroad, particularly in the Gulf, Southeast Asia and Europe, where qualified hospitality professionals are in constant demand.

Career paths for BSHM graduates include:

- Hotel Manager, Assistant Manager or Front Office Manager in hotels, resorts and hospitality chains.
- Tour Operator, Travel Agent or Destination Management Specialist.
- Food & Beverage Manager, Restaurant Manager or Banquet Manager.
- Event Manager, Conference Coordinator or MICE (Meetings, Incentives, Conferences, Exhibitions) Specialist.
- Revenue Manager or Yield Management Specialist.
- Tourism Consultant or Heritage Tourism Manager.
- Air Travel Management Specialist or Airline Services Manager.
- Human Resource Manager in the hospitality and tourism industry.
- Hospitality Educator, Trainer or Hospitality School Instructor.
- Entrepreneur, Hospitality Business Owner or Resort Developer.

Practical training, internships & research exposure:

BSHM is designed as a hands-on, industry-facing degree. Practical exposure is built into the four-year journey through:

- Lab- and studio-based learning in front office, housekeeping, F&B and culinary arts.
- A mandatory supervised industry internship (GEN-410, 3 credit hours) after Semester IV, completed at hotels, resorts, restaurants or tourism enterprises.
- Participating in hospitality competitions to pitch new business ideas.

- Industry guest lectures, panel sessions and exposure visits to leading hotels and tourist destinations.

BS Hospitality Management Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran I	1(0-1)
ENG-107	Functional English	3(3-0)
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MGT-112	Principles of Management	3(3-0)
HM-101	Introduction to Tourism & Hospitality	3(3-0)
HM-102	Front Office Operations and Management	3(3-0)
Credit Hours		18
Semester II		
Course Code	Course Title	Credit Hours
ISL-106	Understanding of Quran II	1(0-1)
ENG-108	Expository Writing	3(3-0)
ISL-101 / ETH-100	Islamic Studies / Ethics	2(2-0)
HM-103	Pakistan Tourist Destinations	3(3-0)
HM-104	Tourism Concepts and Principles	3(3-0)
HM-105	Tourism Marketing	3(3-0)
HM-106	Housekeeping Operations and Management	3(3-0)
Credit Hours		18
Semester III		
Course Code	Course Title	Credit Hours
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
HM-201	Quantitative Skills for Hospitality Professionals	3(3-0)
HM-202	Human Resource Management in Hospitality	3(3-0)
HM-203	Sustainable Tourism	3(3-0)
Credit Hours		15
Semester IV		
Course Code	Course Title	Credit Hours
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
PS-101	Pakistan Studies	2(2-0)
HM-204	Heritage Management	3(3-0)
HM-205	Travel & Tour Operations	3(3-0)
HM-207	AI-Powered Innovation	3(2-1)
Credit Hours		18

Summer Session		
Course Code	Course Title	Credit Hours
GEN-410	Internship	3(0-3)
Credit Hours		03

Semester V		
Course Code	Course Title	Credit Hours
MGT-211	Principles of Marketing	3(3-0)
HM-301	Hospitality Operations	3(3-0)
HM-302	Hotel Management Accounting	3(3-0)
HM-303	Sports and Adventure Tourism	3(3-0)
HM-304	Destination Branding	3(3-0)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
HM-305	Financial Management	3(3-0)
HM-306	Food and Beverage Management	3(3-0)
HM-307	Culinary Arts	3(2-1)
HM-308	Restaurant Management	3(3-0)
HM-309	Food Safety and HACCP	3(3-0)
Credit Hours		15

Semester VII		
Course Code	Course Title	Credit Hours
HM-401	Digital Marketing in Hospitality	3(3-0)
HM-402	Event Management	3(3-0)
HM-403	Tourism Geography	3(3-0)
HM-404	Tourism Planning and Development	3(3-0)
HM-405	Air Travel Management	3(3-0)
HM-406	Revenue Management	3(3-0)
Credit Hours		18

Semester VIII		
Course Code	Course Title	Credit Hours
MGT-418	Project Management	3(3-0)
HM-407	Public Relations in Hospitality	3(3-0)
HM-408	Final Year Project / Viva Voce	3(0-3)
HM-409	Ecotourism	3(3-0)
Credit Hours		12
Total Credit Hours		132

Frequently Asked Questions (FAQs)

1. What is the eligibility for BS Hospitality Management at TUF?

Candidates with Intermediate (FA / FSc / ICS / I.Com / DAE) or A-Levels or equivalent qualification, with a minimum of 45% marks, can apply.

2. How long is the programme and how many credit hours?

BSHM is a four-year regular degree consisting of 8

semesters and a total of 132 credit hours, including a supervised internship and a final-year project.

3. Is an internship compulsory?

Yes. A 3-credit-hour supervised industry internship is mandatory in the summer session after Semester IV, typically completed at hotels, resorts, restaurants or tourism enterprises.

4. What kinds of jobs do BSHM graduates get?

Graduates work as hotel and front-office managers, food and beverage managers, event and conference managers, tour operators, revenue managers, airline-services professionals and tourism consultants. Many also start their own hospitality or tourism ventures.

5. Can I study further after BSHM?

Yes. BSHM is a 4-year, 132-credit-hour Bachelor's degree, which makes graduates eligible for MS / MPhil / MBA programmes in Hospitality, Tourism, Business Administration and related fields, both in Pakistan and internationally.

6. What makes BSHM at TUF different from a general business degree?

BSHM combines core business and management training with specialised hospitality and tourism subjects – front office, housekeeping, F&B, culinary arts, event management, revenue management and digital marketing in hospitality – giving graduates a clear industry edge over generic business graduates.

7. Does the programme include training in technology and AI?

Yes. The dedicated course AI-Powered Innovation (HM-207), combined with digital marketing, revenue management and ICT courses, ensures graduates are comfortable with the technology now standard across the global hospitality industry.





Master of Business Administration Regular

National Business School

Short Title: MBA (Regular)

Study Level: Postgraduate

Duration: 4 Semesters (2 years)

Credit Hours: 66

Eligibility: 16 years of relevant education with CGPA 2.0/4.00 under semester system and grade 'B' under annual system with three years professional work experience. GAT (General)/TUF Entry test with 50% marks.

Introduction

The MBA at TUF is a prestigious postgraduate degree designed to transform professionals into corporate leaders. This program focuses on advanced management strategies, financial intelligence, and organizational growth. It is tailored for individuals who want to scale their career, switch industries, or build their own business empires by mastering the art of high-level decision-making.

Why Choose Master of Business Administration?

Choosing this master's program at TUF provides an elite learning environment that bridges the gap between academic theory and executive practice.

- Flexible curriculum designed for both fresh graduates and working professionals.
- Mentorship from industry-leading faculty with deep experience in corporate strategy.

- Strong focus on Case Method learning to solve complex real-world business puzzles.
- Global networking opportunities through seminars and executive guest speaker sessions.
- Access to specialized tracks like Supply Chain, Healthcare, and Digital Marketing.

Program Objectives

- Evaluating complex market data to design long-term profitable business strategies.
- Mastering executive leadership skills to inspire and manage large, diverse teams.
- Creating innovative solutions for organizational challenges in a global economy.
- Enhancing financial literacy to manage multi-million dollar corporate budgets.
- Cultivating a professional mindset focused on ethical leadership and social impact.

Career Scope & Opportunities:

Graduates of the MBA program can work as:

- Chief Executive Officer (CEO) or Operations Director
- Senior Strategic Consultant
- Investment Banker or Portfolio Manager
- Supply Chain Head or Logistics Manager
- Entrepreneur or Startup Founder
- Brand Manager for International Corporations

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Solving Harvard-style business case studies to understand global success stories.
- Completing a high-impact research project or thesis on an industrial problem.
- Participating in executive leadership workshops and corporate networking events.
- Gaining practical insights through industrial visits and collaborative business projects.

Master of Business Administration Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MGT-742	Financial Accounting	3(3-0)
MGT-743	Business Economics	3(3-0)
MGT-744	Principles of Management	3(3-0)
MGT-745	Principles of Marketing	3(3-0)
MGT-746	Quantitative Decision Making	3(3-0)
Credit Hours		15

Semester II

Course Code	Course Title	Credit Hours
MGT-747	Managerial Accounting	3(3-0)
MGT-748	Human Resource Management	3(3-0)
MGT-749	Oral and Business Communication	3(3-0)
MGT-750	Entrepreneurship	3(3-0)
MGT-751	Advanced Research Methods	3(3-0)
-	Elective-I	3(3-0)
Credit Hours		18

Semester III

Course Code	Course Title	Credit Hours
MGT-752	Strategic Management	3(3-0)
MGT-753	Strategic Marketing Management	3(3-0)
MGT-754	Financial Management	3(3-0)
-	Elective-II	3(3-0)
-	Elective-III	3(3-0)
-	Elective-IV OR Thesis	3 (3-0)
MGT-790	Thesis	3(0-3)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MGT-755	Strategic Finance	3(3-0)
MGT-756	Pakistan Economy	3(3-0)
	Elective-V	3(3-0)
	Elective-VI	3(3-0)
	Elective-VII OR Thesis	3(3.0)
MGT-790	Thesis	3(0-3)
Credit Hours		15
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1. What is Master of Business Administration?

It is a postgraduate degree that develops leadership, management and strategic decision-making skills for professional business careers.

2. What is the duration of the MBA program?

The program usually takes two years to complete, including coursework and practical learning components.

3. Does the MBA program include practical training?

Yes, students learn through case studies, projects, simulations and real-world business exposure.

4. What is the scope of Business Administration in Pakistan?

MBA graduates have strong career prospects in management, finance, marketing, HR and entrepreneurship across multiple industries.





Master of Business Administration Executive

National Business School

Short Title: MBE

Study Level: Postgraduate

Duration: 2 years

Credit Hours: 66

Eligibility: 16 years of relevant education with CGPA 2.0/4.00 under semester system and grade 'B' under annual system with three years professional work experience. GAT(General)/TUF Entry test with 50% marks.

Introduction

The MBA Executive at TUF is a specialized program designed for working professionals who are ready to climb the final steps of the corporate ladder. This degree focuses on high-level strategy, leadership, and crisis management, allowing mid-career managers to balance their jobs with advanced learning. It is built for those who want to transform from Managers into Leaders and Visionaries.

Why Choose Master of Business Administration Executive?

Choosing this executive program at TUF offers a unique environment where you learn alongside other experienced professionals from diverse industries.

- Flexible evening and weekend schedules designed to fit your busy work life.
- Case-study-based learning that focuses on solving

real Pakistani and global business issues.

- Elite networking opportunities with fellow executives, CEOs, and industry consultants.
- Mentorship from faculty who understand the needs of seasoned professional students.
- Direct focus on immediate career ROI, helping you apply today's lesson in tomorrow's meeting.

Program Objectives

- Evaluating organizational challenges to design high-impact strategic solutions.
- Mastering advanced leadership techniques to motivate large and senior teams.
- Developing an entrepreneurial mindset to innovate within existing family businesses.
- Enhancing the ability to manage complex corporate finances and global trade risks.
- Improving executive communication skills for boardroom presentations and negotiations.

Career Scope & Opportunities:

Graduates of the MBA Executive program can pursue leadership roles across:

- Chief Executive Officer (CEO) or Chief Operating Officer (COO)
- Senior Business Development Director
- General Manager or Department Head
- Principal Strategic Consultant
- Entrepreneur or Family Business Successor
- High-Level Government or Public Sector Lead

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Analyzing complex industrial case studies to refine executive decision-making.
- Participating in leadership retreats and high-level corporate networking events.
- Completing a professional research project that solves a problem in your current organization.
- Gaining insights from guest lectures delivered by top-tier national and international CEOs.

MBA Executive Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MGT-742	Financial Accounting	3(3-0)
MGT-743	Business Economics	3(3-0)
MGT-744	Principles of Management	3(3-0)
MGT-745	Principles of Marketing	3(3-0)
MGT-746	Quantitative Decision Making	3(3-0)
Credit Hours		15

Semester II

Course Code	Course Title	Credit Hours
MGT-747	Managerial Accounting	3(3-0)
MGT-748	Human Resource Management	3(3-0)
MGT-749	Oral and Business Communication	3(3-0)
MGT-750	Entrepreneurship	3(3-0)
MGT-751	Advanced Research Methods	3(3-0)
	Elective-I	3(3-0)
Credit Hours		18

Semester III

Course Code	Course Title	Credit Hours
MGT-752	Strategic Management	3(3-0)
MGT-753	Strategic Marketing Management	3(3-0)
MGT-754	Financial Management	3(3-0)
	Elective-II	3(3-0)
	Elective-III	3(3-0)
	Elective-IV OR Thesis	3 (3-0)
MGT-790	Thesis	3(0-3)
Credit Hours		18

Semester IV

Course Code	Course Title	Credit Hours
MGT-755	Strategic Finance	3(3-0)
MGT-756	Pakistan Economy	3(3-0)
	Elective-V	3(3-0)
	Elective-VI	3(3-0)
	Elective-VII OR Thesis	3(3.0)
MGT-790	Thesis	3(0-3)
Credit Hours		15
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1. What is an MBA Executive?

It is a postgraduate degree designed for working professionals to enhance leadership, management and strategic skills.

2. Who can apply for MBA Executive at TUF?

Professionals with a bachelor's degree and at least three years of work experience can apply.

3. How long is the MBA Executive program?

The program duration is two years, structured for working professionals.

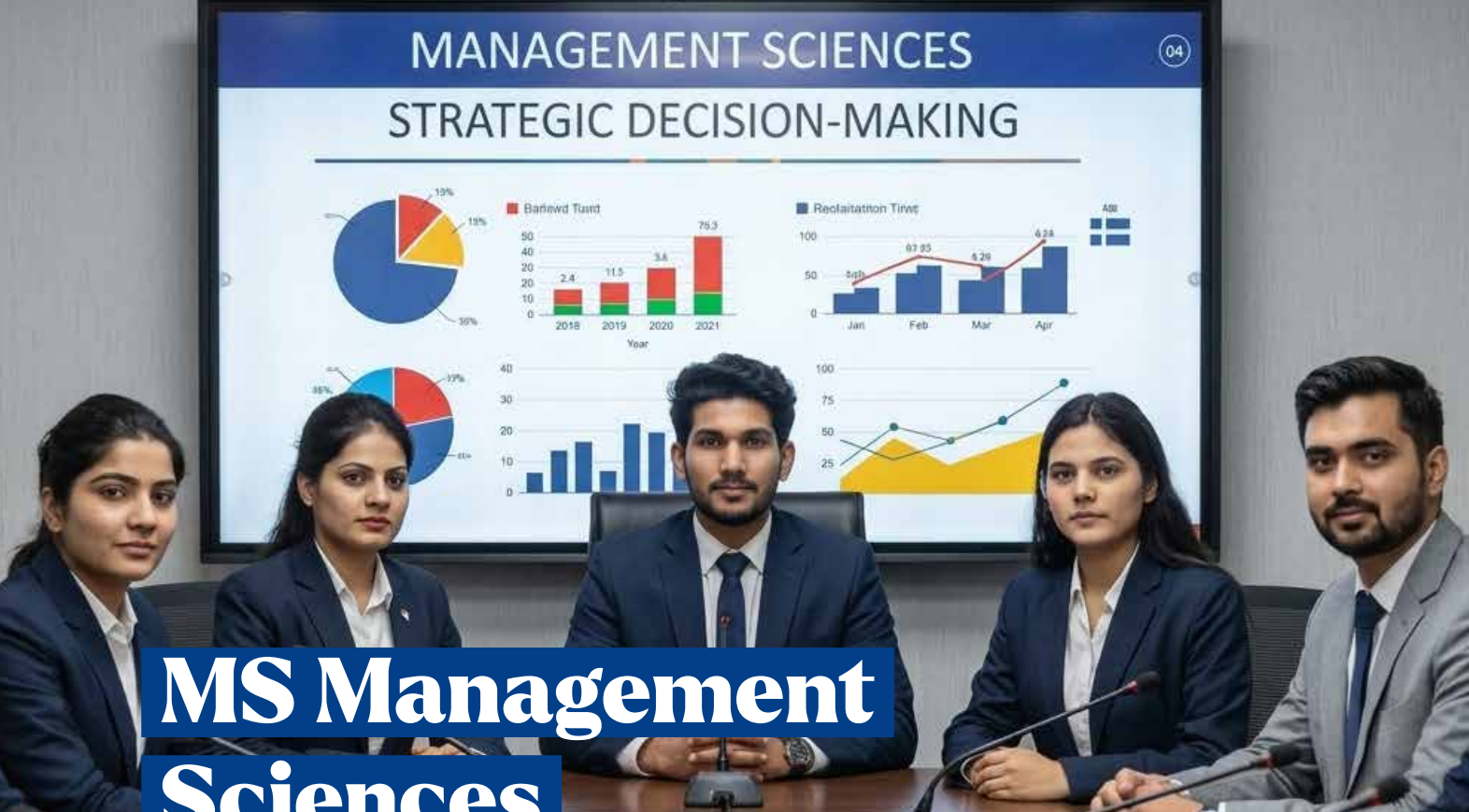
4. What skills will I gain from this program?

You will develop executive leadership, strategic decision-making and advanced management skills.

5. What career options are available after MBA Executive?

Graduates can work as senior managers, consultants, directors or business leaders across various sectors.





MS Management Sciences

National Business School

Short Title: MSB

Study Level: Postgraduate

Duration: 1.5 Years

Credit Hours: 30

Eligibility: Candidate must have passed sixteen years of schooling or 4 year education (minimum 120 credit hours) or Equivalent shall be required for admission in the MS/MPhil/Equivalent degree program.

Introduction

The MS Management Sciences at TUF is a two-year research-based degree that prepares students for high-level academic and corporate careers. It goes beyond basic management to explore deep business theories and scientific problem-solving. This program is ideal for those who want to become expert consultants, researchers, or senior strategic leaders in the global market.

Why Choose MS Management Sciences?

Choosing this program at TUF allows you to bridge the gap between industrial practice and scientific research.

- Curriculum focused on advanced research and data-driven management.
- Guidance from PhD supervisors with international research publications.
- Access to digital libraries and high-impact business journals.

- Direct pathway to PhD for students aiming for academic careers.
- Specialized training in corporate governance and ethical leadership.

Program Objectives

- Mastering research methods to solve complex industrial problems.
- Developing critical thinking to analyze modern business theories.
- Building advanced expertise in finance, marketing, or HR.
- Designing sustainable business models for local and global markets.
- Polishing academic writing for publishing scientific research papers.

Career Scope & Opportunities:

Graduates of MS Management Sciences can pursue exciting career paths in Pakistan and abroad. Some options include:

- University Lecturer or Academic Researcher
- Corporate Strategy Consultant
- Senior Policy Analyst
- Human Resource (HR) Director
- Market Research Specialist
- Business Development Manager

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Writing a mandatory research thesis on a unique business topic.
- Participating in national and international research conferences.
- Attending workshops on statistical tools for data analysis.
- Collaborating with industrial partners for research-based solutions.

MS Management Sciences Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MSB-513	Strategic Marketing Management	3(3-0)
MSM-807	Strategic Human Resource Management	3(3-0)
MSB-532	Corporate Governance	3(3-0)
MSB-515	Advance Research Methodology	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
MSB-525	Emerging Markets	3(3-0)
MSB-516	Statistical Tool For Research	3(3-0)
MST-472	Strategic Management	3(3-0)
MSB-524	Strategic Financial Management	3(3-0)
Credit Hours		12

Semester III

Course Code	Course Title	Credit Hours
MSB-540	Dissertation	6(6-0)
Credit Hours		06
Total Credit Hours		30

Frequently Asked Questions (FAQs)

1. What is MS Management Sciences?

It is a postgraduate degree focused on advanced management, leadership and strategic decision-making skills.

2. Who can apply for the MS Management Sciences program?

Students with a 4-year Bachelor's degree or 16 years of education are eligible to apply.

3. How long is the MS Management Sciences program?

The program typically takes 1.5 to 2 years, depending on the study structure.

4. What career options are available after completing MS Management Sciences?

Graduates can work in management, HR, marketing, finance, consulting, research or entrepreneurship.

5. Why choose MS Management Sciences at TUF?

TUF offers experienced faculty, applied learning, research opportunities and leadership-focused training aligned with industry needs.





MS Project Management

National Business School

Short Title: MSPM

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 30

Eligibility: BBA or B Com (4 years) with minimum CGPA 2.0 out of 4.00 / MBA / M Com or equivalent with minimum CGPA 2.0 out of 4.00. GAT (General) / TUF Entry Test with minimum 50% score

Introduction

The MS Project Management at TUF is a two-year professional degree that teaches you how to turn big ideas into reality. It focuses on the art of planning, executing, and closing complex projects within specific time and budget limits. This program is ideal for engineers, IT professionals, and managers who want to lead large-scale operations in the global industry.

Why Choose MS Management Sciences?

Choosing this program at TUF ensures you master the world-standard techniques of project leadership and resource optimization.

- Curriculum aligned with international PMP and PRINCE2 standards.
- Training in modern software like MS Project and Primavera.
- Focus on risk management and cost estimation techniques.

- Opportunities for research in sustainable project development.
- Flexible learning for professionals from diverse technical backgrounds.

Program Objectives

- Mastering the lifecycle of complex industrial and business projects.
- Developing strategies to manage project risks and uncertainties.
- Leading multi-disciplinary teams to achieve organizational goals.
- Ensuring quality control and efficient resource allocation.
- Polishing research skills for innovative project management solutions

Career Scope & Opportunities:

Graduates of the MS Project Management degree can explore a wide range of exciting and rewarding career paths

- Senior Project Manager
- Operations Director
- Program Portfolio Manager
- Supply Chain Lead
- Construction Project Consultant
- Academic Researcher or Lecturer

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Analyzing real-world project failures and successes through case studies.
- Hands-on practice with digital project tracking and scheduling tools.
- Completing a research thesis on modern project management trends.
- Participating in workshops on agile and lean management methods.

MS Project Management Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MSPM-701	Fundamentals of Project Management	3(3-0)
MSPM-702	Advance Project Management	3(3-0)
-	Elective I	3(3-0)
-	Elective II	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
MSPM-703	Research Methodology	3(3-0)
MSPM-704	Project Constraints Management	3(3-0)
-	Elective III	3(3-0)
-	Elective IV	3(3-0)
Credit Hours		12

Semester III & IV

Course Code	Course Title	Credit Hours
MSPM-710	Thesis	6(6-0)
Credit Hours		30

Frequently Asked Questions (FAQs)

1. What is MS Project Management?

It is a postgraduate program focused on advanced project planning, execution and leadership skills.

2. Who can apply for MS Project Management?

Students with a 4-year BBA, B.Com, MBA or equivalent degree are eligible.

3. What skills will I learn in this program?

You will learn project planning, budgeting, risk management, leadership and teamwork skills.

4. What career options are available after this degree?

Graduates can work as project managers, coordinators, consultants or academic professionals.

5. Why choose MS Project Management at TUF?

TUF offers practical learning, experienced faculty and advanced project management training aligned with industry needs.



MS Risk & Safety Management

National Business School

Short Title: MSRSM

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 30

Eligibility: BBA or B Com (4 years) with minimum CGPA 2.0 out of 4.00/MBA /M Com or equivalent with minimum CGPA 2.0 out of 4.00 or grade 'B'/45% marks under the annual system. GAT (General)/TUF Entry Test with a minimum 50% score.

Introduction

The MS Risk & Safety Management at TUF is a two-year postgraduate degree that teaches you how to protect people and businesses from disasters. This program focuses on identifying hidden dangers, preventing workplace accidents, and ensuring that companies follow international safety laws. It is designed for professionals who want to lead safety departments in high-risk industries.

Why Choose MS Risk & Safety Management?

Choosing this program at TUF allows you to master the art of disaster prevention and crisis leadership in a professional environment.

- Curriculum aligned with global HSE (Health, Safety, and Environment) standards.
- Training in modern risk assessment tools and incident investigation techniques.

- Guidance from experts who specialize in industrial safety and human factors.
- Focus on building "Resilient Organizations" that can handle any emergency.
- Flexible learning for professionals working in the industrial or corporate sectors.

Career Scope & Opportunities:

Graduates of MS Risk & Safety Management can explore a variety of career paths in multiple sectors, including:

- Senior Risk Analyst
- Health, Safety, and Environment (HSE) Manager
- Industrial Safety Consultant
- Disaster Management Specialist
- Compliance Officer for Multinational Firms
- Academic Researcher or Safety Trainer

MS Risk & Safety Management Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MSB-711	STRATEGIC MARKETING MANAGEMENT CORE 3	3 (3-0)
MSB-712	STRATEGIC FINANCE CORE 2	3 (3-0)
MSB-713	ADVANCED RESEARCH METHODOLOGY CORE 1	3 (3-0)
-	ELECTIVE COURSE-1	3 (3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
MSB-714	STRATEGIC MANAGEMENT CORE - 4	3 (3-0)
RS-711	ELECTIVE COURSE - 2	3 (3-0)
RS-712	ELECTIVE COURSE - 3	3 (3-0)
RS-713	ELECTIVE COURSE - 4	3 (3-0)
Credit Hours		12

Semester III

Course Code	Course Title	Credit Hours
RS-710	DISSERTATION	6 (6-0)
Credit Hours		06

List of Elective Courses

Course Code	Course Title	Credit Hours
RS-714	DISASTER PREPAREDNESS	3 (3-0)
RS-715	FIRE SAFETY MANAGEMENT	3 (3-0)
RS-716	LEADERSHIP DEVELOPMENT SAFETY MANAGEMENT	3 (3-0)
RS-717	OCCUPATIONAL SAFETY AND HEALTH STANDARDS	3 (3-0)
Credit Hours		0

Frequently Asked Questions (FAQs)

1. What is MS Risk & Safety Management?

It's a master's program that teaches risk assessment, workplace safety and compliance skills.

2. Why choose the TUF MS Risk & Safety Management Program?

It offers practical training in risk control, safety management and health compliance.

3. Who can apply for MS Risk & Safety Management?

Graduates with a BBA, B.Com, MBA or M.Com and a

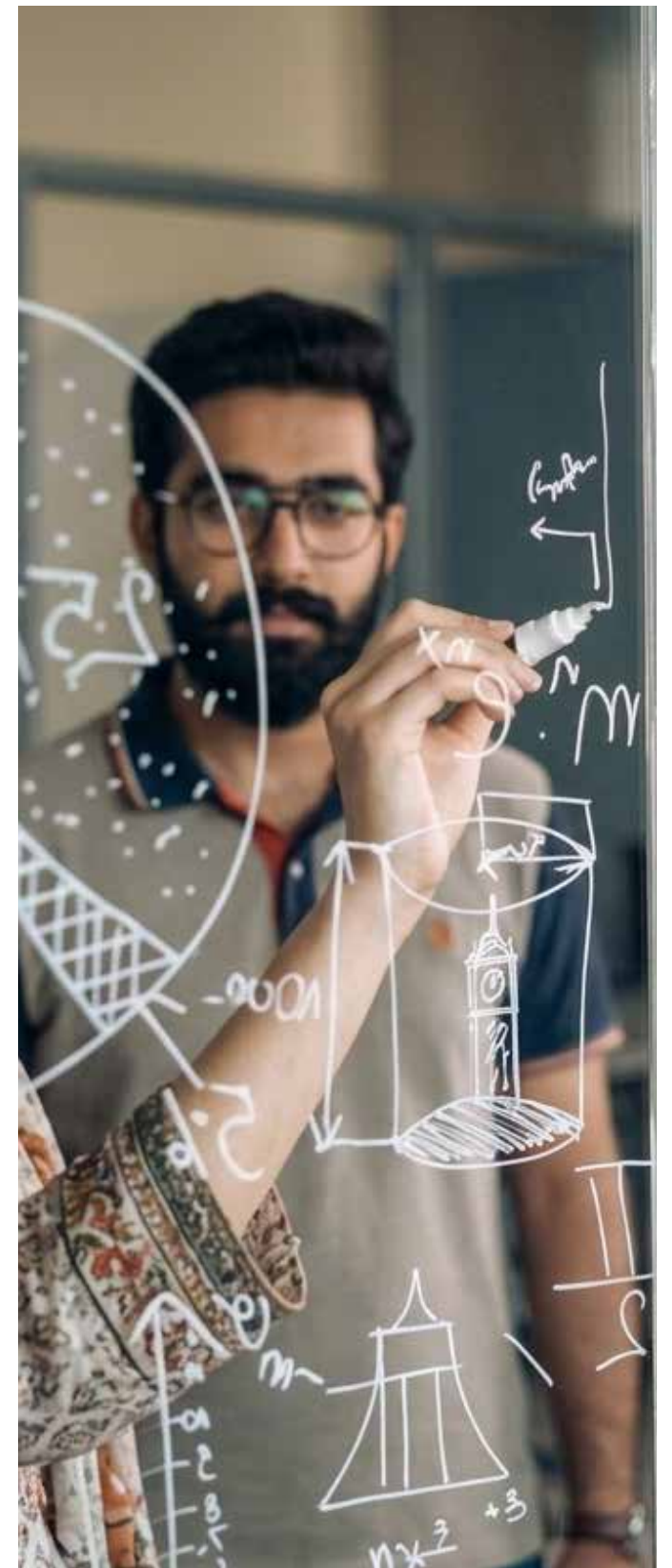
qualifying test score can apply.

4. What jobs can I get after MS Risk & Safety Management?

You can work as a risk manager, safety officer, compliance coordinator or researcher.

5. How long does the MS Risk & Safety Management program take?

The program takes 2 years, including coursework and a dissertation.





MS Accounting and Finance

National Business School

Short Title: MSAF

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 30

Eligibility: BBA or B Com (4 years) with minimum CGPA 2.0 out of 4.00/MBA /M Com or equivalent with minimum CGPA 2.0 out of 4.00. GAT (General)/TUF Entry Test with minimum 50% score

Introduction

The MS Accounting and Finance at TUF is a two-year advanced degree that turns students into financial strategists. It goes beyond basic bookkeeping to focus on investment analysis, corporate governance, and high-level wealth management. This program is designed for those who want to lead the financial departments of multinational companies and handle complex economic challenges.

Why Choose MS Accounting and Finance?

Choosing this program at TUF provides an elite path to mastering the global financial markets and advanced accounting standards.

- Advanced training in International Financial Reporting Standards (IFRS).
- Focus on FinTech and digital transformation in the banking sector.
- Mentorship from industry experts and research-

active faculty members.

- Strategic preparation for global certifications like CFA, CPA, and CMA.
- Research-driven environment for solving complex corporate finance issues.

Program Objectives

- Evaluating complex financial theories to improve corporate profitability.
- Mastering advanced auditing techniques for large-scale business transparency.
- Developing analytical models for risk assessment and portfolio management.
- Applying research-based solutions to real-world financial problems.
- Enhancing leadership skills for executive-level financial decision-making.

Career Scope & Opportunities:

Graduates of MS Accounting and Finance can pursue diverse career opportunities as:

- Chief Financial Officer (CFO)
- Senior Investment Analyst
- Treasury or Fund Manager
- External or Forensic Auditor
- Financial Strategy Consultant
- University Professor or Researcher

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Writing a mandatory research thesis on modern financial trends.
- Hands-on practice with advanced data analysis and financial software.
- Participating in seminars on stock market trends and tax reforms.
- Solving executive-level case studies on corporate mergers and acquisitions.

MS Accounting and Finance Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
AFN-701	Corporate Audit and Assurance	3(3-0)
AFN-702	Contemporary Issues in Business	3(3-0)
AFN-703	Advanced Research Methodology	3(3-0)
AFN-704	Econometric	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
AFN-705	Advanced Corporate Reporting	3(3-0)
AFN-706	Advanced Corporate Finance	3(3-0)
AFN-707	Advanced Portfolio Management and Investment Analysis	3(3-0)
AFN-708	Management Accounting and Decision Making	3(3-0)
Credit Hours		12

Semester III & IV

Course Code	Course Title	Credit Hours
AFN-720	Thesis	06
Credit Hours		06
Total Credit Hours		30

Frequently Asked Questions (FAQs)

1. What is the MS Accounting and Finance program at TUF?

A two-year postgraduate degree that develops advanced skills in accounting, finance, and corporate decision-making.

2. Who is eligible to apply for MS Accounting and Finance?

Applicants must have a BBA, BCom, MBA, or MCom with

at least 2.00 CGPA and 50% in the GAT or TUF Entry Test.

3. What subjects are covered in this program?

Corporate finance, auditing, financial reporting, investment strategies, and research-based accounting courses.

4. What career opportunities are available after this program?

Graduates can work as financial analysts, auditors, portfolio managers, CFOs, or finance researchers.

5. Why choose TUF for MS Accounting and Finance?

TUF provides expert faculty, modern research facilities, hands-on financial training, and career-focused guidance.





PhD Management Sciences

National Business School

Short Title: PHDMS

Study Level: Postgraduate

Duration: 6 Semesters (3 Years)

Credit Hours: 24

Eligibility: 18 Years of Education, MS/MPhil or Equivalent degree from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system.

Introduction

The PhD Management Sciences at TUF is the highest academic pursuit for those who wish to redefine the boundaries of business and leadership. This program is designed for scholars who want to develop original theories and conduct groundbreaking research to solve the most complex organizational challenges. It prepares you to become a thought leader in global academia and the corporate world.

Why Choose PhD Management Sciences?

Choosing a PhD at TUF places you in an elite circle of researchers where you can influence the future of global management practices.

- Access to high-level research labs and extensive digital databases for data mining.
- Mentorship from HEC-approved supervisors with extensive international research impact.
- Strong focus on publishing work in high-ranking (W

- & X category) journals.
- Opportunities to engage in interdisciplinary research with various industrial sectors.
- Support for presenting original research at prestigious international conferences.

Program Objectives

- Contributing original and innovative theories to the field of management sciences.
- Leading high-impact scientific studies that address national and global industrial needs.
- Polishing critical evaluation skills to critique and improve existing business models.
- Developing expert-level academic writing and pedagogical skills for higher education.

Career Scope & Opportunities:

A PhD in Management Sciences provides a wide range of career options. Graduates can work as:

- Senior Professor or Dean at top-tier Business Schools.
- Chief Strategy Officer (CSO) or Principal Management Consultant.
- Lead Researcher at government think tanks and policy institutes.
- Director of Research and Development (R&D) in the corporate sector.
- International Business Consultant for global NGOs and agencies.

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Completing an extensive doctoral dissertation that offers a unique solution to a business problem.
- Organizing and leading research seminars and academic workshops at the university.
- Collaborating with industrial partners on Evidence-Based management projects.
- Specialized training in advanced data analysis tools like SPSS, AMOS, and NVivo

PhD Management Sciences Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
MGT-XXX	Core-I (*)	3 (3-0)
MGT-XXX	Core-II (*)	3 (3-0)
MGT-XXX	Core-III (*)	3 (3-0)
Credit Hours		09

Semester II

Course Code	Course Title	Credit Hours
MGT-XXX	Elective-I (*)	3 (3-0)
MGT-XXX	Elective-II (*)	3 (3-0)
MGT-XXX	Elective-III (*)	3 (3-0)
Credit Hours		09

Semester III & IV

Course Code	Course Title	Credit Hours
MGT-820	Thesis	6 (0-6)
Credit Hours		06
Total Credit Hours		24

Frequently Asked Questions (FAQs)

1. What is PhD Management Sciences?

A doctoral program developing expertise in management research, leadership, and strategic decision-making.

2. Who can apply for PhD Management Sciences at TUF?

MS/MPhil graduates in Management or related fields with strong academic records.

3. What are the eligibility criteria?

Minimum 18 years of education, CGPA 3.0 or 60% marks,

and a qualifying GRE or equivalent test.

4. What career opportunities are available after a PhD in Management Sciences?

Graduates can work as university professors, researchers, management consultants, or senior managers.

5. Does this program focus on research?

Yes, it emphasizes advanced management research using both practical and theoretical methods.





ADP Business Administration

National Business School

Short Title: ADPBA

Study Level: Undergraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 66

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The ADP Business Administration at TUF is a two-year degree designed to jumpstart your career in the corporate world. This program focuses on the practical side of managing people, money, and office operations. It is the perfect choice for students who want to gain professional business skills quickly and enter the job market or start their own small business.

Why Choose ADP Business Administration?

Choosing this associate program at TUF allows you to learn essential management secrets in a shorter timeframe without compromising on quality.

- Fast-track curriculum that covers all major areas of business in just two years.
- Direct pathway to join the 3rd year of BBA at TUF through credit transfers.
- Practical assignments that teach you how to handle real office challenges.
- Guidance from professional faculty who focus on building your workplace confidence.

- Affordable and time-saving option to gain a recognized university degree.

Program Objectives

- Building a solid understanding of how modern companies plan and grow.
- Developing the communication skills needed to lead small teams effectively.
- Learning how to manage basic accounts and business budgets accurately.
- Understanding the latest marketing trends to help businesses reach more customers.
- Creating a professional mindset that follows global business ethics and laws.

Career Scope & Opportunities:

ADP Business Management is planned for individuals who want to mix business theory, practical knowledge and professional skills in preparation for careers as:

- Junior Marketing Assistant
- Assistant HR Coordinator
- Sales Representative
- Small Business Owner (Entrepreneur)
- Customer Relationship Officer
- Administrative Assistant

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Working on group projects that simulate starting a new business from scratch.
- Participating in workshops focused on public speaking and professional grooming.
- Gaining real-world exposure through short-term internships in local firms.
- Practicing the use of office software for business reporting and presentations.

ADP Business Administration Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Understanding of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-111	Introduction to Business	3(3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Understanding of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
FIN-112	Financial Accounting-I	3(3-0)
MGT-112	Principles of Management	3(3-0)
MGT-113	Computing Applications in Business	3(2-1)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Understanding of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
FIN-211	Financial Accounting-II	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Understanding of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
MGT-212	Business Communication	3(3-0)
MGT-213	Human Resource Management	3(3-0)
MGT-214	Financial Management	3(3-0)
Credit Hours		16
Total Courses		28
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1. What is ADP Business Administration?

It's a 2-year associate degree that provides fundamental knowledge and practical skills in business management.

2. What will I learn in this program?

Students gain expertise in marketing, finance, accounting, leadership, and business decision-making.

3. Who can apply for ADP Business Administration?

Applicants must have an Intermediate or equivalent education with at least 35% marks.

4. What career options are available after this program?

Graduates can work in marketing, finance, HR, business development, e-commerce, or even start their own business.

5. How long is the ADP Business Administration program?

The program is 2 years long, comprising 4 semesters and 66 credit hours.



ADP Accounting and Finance

National Business School

Short Title: ADPAF

Study Level: Undergraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 66

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The ADP Accounting and Finance at TUF is a two-year degree that focuses on the practical management of money and business records. This program is designed for students who want to enter the financial world quickly by learning how to handle accounts, taxes, and payroll. It provides a solid start for those aiming to become professional accountants or finance assistants in half the time of a full degree.

Why Choose ADP Accounting and Finance?

Choosing this program at TUF gives you a competitive advantage through a blend of academic theory and industry-standard technical training.

- Specialized training in computer-based accounting tools like Excel and Tally.
- Direct credit transfer option to join the 5th semester of BS Accounting and Finance.
- Shorter duration focused on building Job-Ready skills for the corporate sector.
- Guidance from expert faculty to prepare you for

initial levels of professional exams.

- Affordable path to gaining a recognized university degree in the financial field.

Program Objectives

- Building a strong foundation in the basic principles of bookkeeping and auditing.
- Developing the ability to prepare and read essential financial statements accurately.
- Learning how to manage organizational payroll and follow local tax regulations.
- Enhancing numerical skills to identify and solve common financial problems.
- Practicing ethical financial reporting in line with global accounting standards.

Career Scope & Opportunities:

After completion of this programme, students would be able to evaluate the accounting and financial approaches in the best possible way.

- Junior Accountant or Bookkeeper
- Assistant Audit Officer
- Payroll Coordinator
- Billing and Invoice Assistant
- Tax Associate for Small Firms
- Accounts Payable/Receivable Clerk

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Practicing real-world data entry in specialized computer labs using accounting software.
- Solving business case studies to understand profit and loss management.
- Gaining exposure through short-term internships in banks or local audit firms.
- Participating in workshops focused on professional ethics and corporate communication.

ADP Accounting and Finance Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Understanding of Holy Quran I	NC
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
CS-102	Application of Information & Communication Technologies	3(2-1)
MATH-114	Business Mathematics	3(3-0)
ECO-201	Micro Economics	3(3-0)
MGT-111	Introduction to Business	3(3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Understanding of Holy Quran II	NC
ENG-108	Expository Writing	3(3-0)
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	
GEN-105	Creative Arts	2(2-0)
FIN-112	Financial Accounting-I	3(3-0)
MGT-112	Principles of Management	3(3-0)
MGT-113	Computing Applications in Business	3(2-1)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Understanding of Holy Quran III	NC
GEN-202	Environmental Studies	3(2-1)
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2(2-0)
ECO-202	Macro Economics	3(3-0)
FIN-211	Financial Accounting-II	3(3-0)
MGT-211	Principles of Marketing	3(3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran IV	NC
GEN-310	Research Methodology	3(3-0)
GEN-206	Entrepreneurship	2(2-0)
PSY-201	Psychology	2(2-0)
MGT-212	Business Communication	3(3-0)
MGT-213	Human Resource Management	3(3-0)
MGT-214	Financial Management	3(3-0)
Credit Hours		16
Total Courses		28
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1: What is ADP Accounting and Finance?

It's a 2-year associate degree that provides practical and theoretical knowledge in accounting and finance.

2: Who can apply for ADP Accounting and Finance?

Students with 12 years of education (Intermediate or equivalent) and at least 35% marks are eligible.

3: What jobs can I get after ADP Accounting and Finance?

Graduates can work as accounts assistants, junior financial analysts, payroll officers, or finance coordinators.

4: Does this program include practical training?

Yes, students receive hands-on training with accounting software, financial reporting, payroll management, and other practical tools.

5: Can I pursue further studies after ADP Accounting and Finance?

Yes, the program prepares students for higher studies, such as a bachelor's degree in accounting and finance.



ADP Digital Media and Broadcast Journalism

National Business School

Short Title: ADPPMJ

Study Level: Undergraduate

Duration: 4 Semesters (2 years)

Credit Hours: 66

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The ADP Digital Media and Broadcast Journalism at TUF is a two-year degree designed for the fast-paced world of modern storytelling. This program focuses on teaching students how to create content that works on TV, Radio, and Social Media. It is the perfect choice for students who want to enter the media industry quickly and start their journey as digital creators or news professionals.

Why Choose ADP Digital Media and Broadcast Journalism?

Choosing this associate program at TUF gives you early access to professional media tools and industry-standard training.

- Shorter duration focused on building immediate On-Air and Online skills.
- Direct credit transfer option to join the 5th semester of the BS program at TUF.
- Practical training in university-owned media labs and broadcasting studios.

- Focus on Mobile Journalism (MoJo) to help you report news using just a smartphone.
- Affordable path to gaining a recognized degree while building a personal portfolio.

Program Objectives

- Mastering the basics of news reporting, interviewing, and digital storytelling.
- Developing the technical skills to shoot and edit high-quality video content.
- Learning how to manage social media platforms for professional news delivery.
- Understanding the ethical rules of journalism to ensure honest and fair reporting.
- Building confidence for public speaking, anchoring, and podcast hosting.

Career Scope & Opportunities:

Graduates of the ADP Media and Journalism Program can explore a wide range of career opportunities, including:

- Junior News Reporter
- Social Media Content Creator
- Assistant Video Editor
- Radio Jockey (RJ) or Podcast Host
- Media Research Assistant
- Digital PR Coordinator

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Producing short news bulletins and digital stories in university studios.
- Practicing live reporting and camera handling through guided lab exercises.
- Gaining real-world experience through short internships at media houses.
- Attending workshops on the latest video editing software and digital tools.

ADP Digital Media and Broadcast Journalism Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-103	Teachings of Holy Quran with Translation I	NC
ENG-107	Functional English I	3 (3-0)
MC-121	Introduction to Digital Media	3 (3-0)
CS-101	Applications of Information & Communication Technologies	3 (2-1)
MC-122	Reporting & Journalistic Writing/Language	3 (3-0)
GEN-104	Ideology & Constitution of Pakistan	2 (2-0)
MC-123	Media & Social Psychology	3 (3-0)
Credit Hours		17

Semester II

Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran with Translation II	NC
ISL-101	Islamic Studies	2 (2-0)
ETH-100	Ethics	2 (2-0)
ENG-108	Expository Writing	3 (3-0)
MC-124	Introduction to TV & Radio	3 (3-0)
GEN-105	Creative Arts	2 (2-0)
PM-417	Photo Journalism	3 (3-0)
MC-125	Digital Media Literacy	3 (3-0)
Credit Hours		16

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran with Translation III	NC
GEN-202	Environmental Studies	3 (2-1)
MC-221	Communication Theories	3 (3-0)
GEN-203	Community Service Learning	2 (2-0)
MC-222	World Cinema	3 (3-0)
STAT-301	Statistics	3 (3-0)
MC-420	Development Support Communication	3 (3-0)
Credit Hours		17

Semester IV

Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran with Translation IV	NC
MC-218	Media Laws & Ethics	3 (3-0)
MC-213	Current Affairs	3 (3-0)
GEN-310	Research Methodology	3 (3-0)
MC-225	Digital Marketing & Public Relations	3 (3-0)
GEN-206	Entrepreneurship	2 (2-0)
PSY-201	Psychology	2 (3-0)
Credit Hours		16

Frequently Asked Questions (FAQs)

1. What is ADP Digital Media and Broadcast Journalism?

It is a 2-year associate degree focusing on journalism, broadcasting, and digital media skills.

2. Who is eligible to apply for this program?

Students with Intermediate or equivalent education and at least 45% marks can apply.

3. What practical skills will I learn in this program?

Students learn video editing, media production, reporting, scripting, and digital content creation.

4. What career options are available after completing this degree?

Graduates can work in broadcast journalism, digital media, social media management, or multimedia production.

5. Is this program suitable for beginners?

Yes, the program is designed for beginners and provides both theoretical knowledge and hands-on media training.



Faculty of Arts and Social Sciences

At the Faculty of Arts and Social Sciences, we champion a comprehensive exploration of human experience through diverse disciplines. Our programs are designed to foster critical thinking, cultural awareness, and societal impact, preparing students to navigate and shape an ever-evolving world. Join us to engage with the complexities of society and unlock your potential in a dynamic and supportive environment.

Programs Offered

Department of Islamic Studies

- BS Islamic Sciences
- MPhil Islamic Studies
- PhD Islamic Studies

Department of Design & Interiors

- Bachelors of Interior Design
- Bachelors of Graphic Design
- Master in Interior Design
- ADP Interior Design
- ADP Graphic Design

Department of English Language and Literature

- BS English
- MPhil English Literature
- MPhil English Linguistics
- PhD English Literature
- ADP English

Department of Urdu

- MPhil Urdu
- PhD Urdu

Department of Education

- MPhil Education
- PhD Education



Welcome to the Department of Islamic Studies at The University of Faisalabad, where we are dedicated to fostering academic excellence, ethical values, and spiritual growth through a comprehensive understanding of Islam. Our curriculum provides an in-depth study of Islamic theology, jurisprudence, history, and culture while emphasizing their relevance in addressing contemporary challenges and promoting informed, responsible citizenship.

Guided by experienced faculty, we strive to create a supportive learning environment that encourages critical thinking, scholarly inquiry, and moral integrity. Our goal is to prepare graduates who can contribute meaningfully to their communities and society through knowledge, faith, and service while upholding the rich intellectual and ethical traditions of Islam.

Prof Dr Matloob Ahmad

Dean Faculty of Arts & Social Sciences

Department of Islamic Studies

Vision

Our vision is to become a leading center of educational excellence, inspiring academic achievement, innovation, and Islamic scholarship. We aim to equip students with contemporary knowledge and emerging trends in their fields while fostering critical thinking, meaningful discussions, research, and lifelong learning to prepare them for positive contributions to society.

Mission

The Department of Islamic Studies is committed to nurturing students through the principles of Islamic education, with a strong emphasis on character building in the light of the Quran and Sunnah. We prepare graduates with a balanced understanding of Islam and contemporary issues, equipping them with expertise in Arabic and Islamic studies to serve society as educators, researchers, Imams, and community leaders.



Scan our code for
more details
[https://tuf.edu.pk/n/
departments-details/arabic-&-
islamic-studies](https://tuf.edu.pk/n/departments-details/arabic-&-islamic-studies)

BS Islamic Sciences

Department of Islamic Studies

Short Title: BSIS

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 132

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The BS Islamic Studies program at The University of Faisalabad (TUF) is a 4-year undergraduate degree that provides comprehensive knowledge of Islam, including the Quran, Hadith, Fiqh (Islamic law), and Islamic history. The program blends classical teachings with modern perspectives, preparing students to apply Islamic knowledge effectively in today's world while developing critical thinking, research, and communication skills.

Why Choose BS Islamic Sciences?

The BS Islamic Studies program equips students with a deep understanding of Islamic teachings while preparing them for practical application in society. Students learn to balance traditional knowledge with contemporary issues, making them ready for leadership, teaching, and community roles. This program also strengthens ethical, analytical, and research skills essential for both academic and professional success.

Program Objectives

- Provide a strong foundation in Quranic studies, Hadith, Fiqh, and Islamic history
- Develop critical thinking and research skills relevant to Islamic scholarship
- Prepare students for leadership roles in education, community services, and religious institutions
- Equip graduates with the knowledge to integrate Islamic values in modern societal and professional contexts

Practical training, internships & research exposure:

- Practical research projects on contemporary Islamic issues
- Analysis of Quranic texts, Hadith interpretation, and Fiqh rulings
- Internships in Islamic institutions, community programs, or educational centers
- Development of communication, teaching, and advisory skills for professional application

Career Scope & Opportunities:

Graduates of BS Islamic Studies can pursue a variety of careers in education, research, community development, and Islamic finance.

Career Options Include:

- Teaching in schools, colleges, and Islamic institutions
- Working in Islamic education programs, NGOs, and community development projects
- Research and advisory roles in cultural, social, and educational organizations
- Positions in Islamic banking, finance, and consultancy

This program equips students with strong academic knowledge, practical skills, and ethical grounding for leadership and professional excellence.

BS Islamic Sciences
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN -104	Ideology and Constitution of Pakistan	2 (2-0)
ENG- 107	Functional English	3 (3-0)
CS -102	Applications of Information Communication Technologies	3 (2-1)
ISL-103	Teaching of Holy Quran-I	NC
ISL-111	Uloom-ul- Quran	3(3-0)
ARAB-101	Arabic Language-I	3(3-0)
Isl-415	Study of Seerah of Holy Prophet (PBUH)	3(3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL -101 ETH-100	Islamic Studies Ethics (for Non-Muslims)	2 (2-0)
ENG -108	Expository Writing	3 (3-0)
ISL-104	Teaching of Holy Quran-II	NC
ARAB-201	Arabic Language-II	3(3-0)
ISL-314	History of Tafseer	3(3-0)
ISL-319	History of Islam (Khilafat-e-Rashida)	3(3-0)
GEN-103	Creative Arts	2 (2-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
STAT-301	Statistics	3(3-0)
GEN-203	Community Service Learning	2 (2-0)
GEN-202	Environmental Studies	3(2-1)
ISL-201	Teaching of Holy Quran-III	NC
ISL-112	Study of Islamic Fiqh	3(3-0)
ISL-214	History of Compilation of Hadith	3(3-0)
ISL-113	Arabic Through Quranic Text	3(3-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teaching of Holy Quran-IV	NC
GEN-206	Entrepreneurship	2 (2-0)
PSY -201	Phycology	2 (2-0)
ISL-212	Textual Study of Al-Quran-I	3(3-0)
ISL-213	Uloom ul Hadith	3(3-0)
GEN -310	Research Methodology	3 (3-0)
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
ISL-318	Islamic Morals	3(3-0)
ISL-311	Textual Study of Hadith	3(3-0)
ISL-313	Usul-al-Fiqh	3(3-0)
ISL-312	Textual Study of Al-Quran-II	3(3-0)
ISL-316	Cultural History of Islam	3(3-0)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
IS-223	History of Muslim in Sub-continent	3(3-0)
ISL-318	Study of Tasawwuf	3(3-0)
ISL-317	Islam and Science	3(3-0)
ISL-319	Textual Study of Al-Quran-III	3(3-0)
ISL-320	Islam and Modern Social Thoughts	3(3-0)
MASC-301	Mass Communication	3(3-0)
Credit Hours		18

Semester VII		
Course Code	Course Title	Credit Hours
ISL-411	Introduction to World Religions (Non-Semetic)	3(3-0)
ISL-412	Study of Selected Commentaries of Hadith	3(3-0)
ISL-413	Introduction to Selected Topics of Holy Quran	3(3-0)
ISL-414	Al-Dawa-Wal Irshad	3(3-0)
IS-416	History of Fiqh (Islamic Laws)	3(3-0)
Credit Hours		15

Semester VIII		
Course Code	Course Title	Credit Hours
ISL-402	Research Project	6(6-0)
IS-422	Muslims Contribution in Development of Civilization	3(3-0)
ISL-417	Textual study of Muslim family laws	3(3-0)
ISL-418	Islam and modern Political Thoughts	3(3-0)
ISL-315	Islamic Economics	3(3-0)
Credit Hours		15
Total Credit Hours		132

Frequently Asked
Questions (FAQs)

- 1. What is BS Islamic Studies?**
It's a 4-year undergraduate program teaching Quran, Hadith, Fiqh, Islamic history, and modern applications of Islamic knowledge.
- 2. Who can apply for BS Islamic Studies?**
Students with an Intermediate (FA/FSc) certificate and at least 45% marks.
- 3. What career options are available after BS Islamic Studies?**
Graduates can work in teaching, research, Islamic banking, NGOs, or pursue higher studies.
- 4. Does BS Islamic Studies include modern topics?**
Yes, the program includes contemporary issues such as human rights, ethics, and societal applications of Islamic studies.
- 5. Why choose TUF for BS Islamic Studies?**
TUF offers hands-on learning, research projects, practical training, and a strong foundation in classical and modern Islamic education.





MPhil Islamic Studies

Department of Islamic Studies

Short Title: MPI

Study Level: Postgraduate

Duration: 2 Years (4 Semesters)

Credit Hours: 30

Eligibility: 16 Years education in Islamic Studies or equivalent 50% marks.
GAT General qualified 60% marks.

Introduction

The MPhil Islamic Studies program at The University of Faisalabad (TUF) is a two-year advanced degree designed for students who want to deepen their understanding of Islam through research and scholarly study. The program focuses on the Quran, Hadith, Fiqh, and Islamic history while connecting traditional knowledge with contemporary social, ethical, and global issues. Students develop strong research, analytical, and communication skills that prepare them for academic and professional roles.

Why Choose MPhil Islamic Studies?

This program is ideal for students who wish to become experts in Islamic education, research, and leadership. TUF's MPhil program combines classical Islamic learning with modern research methodologies, fostering both spiritual and academic growth. Students gain advanced analytical skills, learn to address societal challenges using Islamic knowledge, and are guided by experienced faculty to become influential educators and researchers.

Program Objectives

- Develop advanced research and analytical skills in Islamic studies
- Connect classical Islamic teachings with contemporary societal issues
- Prepare students for academic, educational, and research-based careers
- Promote ethical leadership and understanding of Islamic values in modern contexts

Practical training, internships & research exposure:

- Thesis-based research on specialized Islamic topics
- Critical analysis of Quranic texts, Hadith, and Fiqh
- Research methodology and academic writing skills
- Engagement with community programs, seminars, and workshops for practical application

Career Scope & Opportunities:

Graduates of the MPhil Islamic Studies program can pursue a variety of roles in education, research, community leadership, and advisory capacities.

- University or college lecturer in Islamic studies
- Researcher or scholar in Islamic institutions
- Writer, author, or content creator on Islamic thought and culture

- Consultant or advisor for religious and community organizations
- Public speaker or educator promoting Islamic knowledge and values

This program develops both scholarly expertise and leadership qualities, preparing students to make a meaningful impact in local and global communities.

MPhil Islamic Studies Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-701	Uloom-ul-Quraan	3(3-0)
ISL-702	Principles of Research	3(3-0)
ISL-XXX	Elective I	3(3-0)
ISL-XXX	Elective II	3(3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
ISL-XXX	Elective III	3(3-0)
ISL-XXX	Elective IV	3(3-0)
ISL-XXX	Elective V	3(3-0)
ISL-XXX	Elective VI	3(3-0)
Credit Hours		12

Semester III & IV

Course Code	Course Title	Credit Hours
ISL-720	Thesis	6(0-6)
Credit Hours		06
Total Credit Hours		30

Frequently Asked Questions (FAQs)

1. What is MPhil Islamic Studies at TUF?

It is a two-year postgraduate program offering thesis-based Islamic research training.

2. How long is the MPhil Islamic Studies program?

The program spans 2 years across four semesters.

3. Who can apply for MPhil Islamic Studies?

Students with a 16-year degree in Islamic Studies or related fields & meet the admission criteria.

4. What careers can I pursue after this degree?

Graduates can work as lecturers, researchers, writers, advisors, or educators.

5. Does the TUF Islamic Research Degree include a thesis?

Yes, the program includes a thesis-based research project to develop advanced scholarly skills.





PhD Islamic Studies

Department of Islamic Studies

Short Title: PhD IS
Study Level: Postgraduate
Duration: 3 Years (6 Semesters)
Credit Hours: 24
Eligibility: MPhil in Islamic Studies with having minimum 3.00 CGP.
 GAT Subject qualified with 60% marks.

Introduction

The PhD in Islamic Studies at The University of Faisalabad (TUF) is a full-time, advanced research program designed for students who have completed an MS or MPhil in Islamic Studies. This three-year degree spans six semesters with 24 credit hours and emphasizes a deep understanding of Islamic civilization, thought, and contemporary issues. Students develop strong research, analytical, and critical thinking skills while preparing for academic and professional leadership in the field of Islamic studies.

Why Choose PhD in Islamic Studies?

This program is ideal for those seeking to become experts in Islamic research and scholarship. It blends classical and modern Islamic studies with rigorous research methodology, helping students gain expertise in analyzing, interpreting, and applying Islamic knowledge. Graduates are prepared to address societal, cultural, and religious challenges while contributing to academic, policy, and professional environments.

Program Objectives

- Develop advanced research skills in Islamic studies
- Deepen knowledge of Islamic civilization, thought, and contemporary issues
- Prepare students for academic, research, and leadership roles
- Promote critical thinking and problem-solving in religious and societal contexts
- Equip students to contribute to scholarly publications, conferences, and global research projects

Practical training, internships & research exposure:

- Advanced research methodology and thesis-based Islamic studies
- Critical analysis of classical and modern Islamic texts
- Application of Islamic knowledge to contemporary social, cultural, and ethical issues
- Seminars, workshops, and collaborative research opportunities
- Guidance from experienced faculty for scholarly development

Career Scope & Opportunities:

Graduates of the PhD in Islamic Studies can pursue a

variety of academic and professional roles in Pakistan and abroad.

- University lecturer or professor in Islamic studies
- Researcher in Islamic institutes, think tanks, or policy advisory bodies
- Consultant or leader in NGOs, governmental organizations, or community programs
- Scholar contributing to publications, conferences, and global Islamic research projects

This program equips students to become influential educators, researchers, and thought leaders in the field of Islamic studies.

PhD Islamic Studies Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
ISL-801	Advanced Islamic Studies	3(3-0)
ISL-802	Contemporary Trends and Comparative Studies in Tafseer Literature	3(3-0)
ISL-XXX	Elective I	3(3-0)
Credit Hours		09

Semester II		
Course Code	Course Title	Credit Hours
ISL-803	Principles of Criticism in Islamic Research	3(3-0)
ISL-XXX	Elective II	3(3-0)
ISL-XXX	Elective III	3(3-0)
Credit Hours		09

Comprehensive Examination in semester III (required for candidacy for PhD)

Semester III & IV		
Course Code	Course Title	Credit Hours
ISL-820	Thesis	6(0-6)
Credit Hours		06
Total Credit Hours		24

Frequently Asked Questions (FAQs)

- 1. What is a PhD in Islamic Studies?**
It is an advanced Islamic research degree designed to develop expertise in Islamic thought, civilization, and scholarship.
- 2. Who can apply for a PhD in Islamic Studies at TUF?**
Students with an MS or MPhil in Islamic Studies and a strong academic record.
- 3. How long does the PhD in Islamic Studies take?**
The program spans 3 years, including coursework and research.
- 4. What career opportunities are available after a**

PhD in Islamic Studies?
 Graduates can work as university professors, researchers, consultants, or policy advisors in academic and professional settings.

5. Is the PhD in Islamic Studies research-focused?
 Yes, the program emphasizes research, critical thinking, and advanced analytical skills.



Department of Design & Interiors

Vision

Our vision is to develop a conducive art & design pedagogical environment dedicated to nurturing critical thinking and design literacy through interactive studio environment and fostering independence through differentiated and self-directed work. We aspire to develop a lifelong aptitude for art & design values in socio-cultural & environmental contexts at the regional and global level by endorsing inquiry, reflection, invention & dialogue.

Mission

The mission of the Department of Design & Interiors is to be one of the leaders in the community of Designers and artists who appreciate diversity and creative excellence, making lasting contributions to a global society through critical thinking, creativity and innovation and observe global trends in design and contemporary lifestyles while providing thoughtful, human-centric & environmentally conscious holistic solutions to complex design problems.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-design-and-interiors>

Bachelor of Graphic Design

Department of Design & Interiors

Short Title: BGD

Study Level: Undergraduate

Duration: 8 Semesters (4 years)

Credit Hours: 126

Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The Bachelor of Graphic Design at The University of Faisalabad (TUF) is a visionary professional program addressing to the advanced scope of communication technologies and traditional and emerging design practices, developing visual languages that allow to work across digital, physical and analogue media. The degree offers an array of tools, strategies and design thinking methodologies over the period of 8 semesters that enable students to become adaptive, multidisciplinary communications designers. Specialized graphic design skills are employed in a range of careers such as graphic design, app design, illustration, concept art, games design, web design, typography, animation, advertising, UX design and visual storytelling. After the completion of the bachelor programs students will be equipped to create visual materials across a variety of visual formats and channels including broadcast, web, film, television, advertising, publishing, and game industry.

Why Choose Bachelor of Graphic Design?

- The Bachelor Degree in Graphic Design is designed

to meet the evolving demands of the world. The focus on cultural relevance and digital transformation meets the needs of businesses and institutions aiming to modernize their visual communications.

- The interdisciplinary skills, tech proficiency, and collaborative ethos prepare graduates to excel in global agencies, digital startups, and freelance platforms.
- This comprehensive approach ensures that graduates are not only technically skilled but also culturally and strategically equipped for a competitive, evolving marketplace.
- The emphasis on intellectual independence and portfolio development also aligns with the surge in freelance and entrepreneurial opportunities worldwide.
- Graduates are empowered to market their creative services internationally, making them competitive in the freelance economy as well as in consultancy roles.

Program Objectives

- Developing a unique visual language for branding and corporate identity.
- Learning the art of typography and layout design for digital and print media.
- Building an impressive portfolio to showcase creative talent to global clients.
- Enhancing strategic thinking to solve complex marketing problems through design.
- Mastering professional software like Adobe Creative Suite (Photoshop, Illustrator, InDesign).

Career Scope & Opportunities:

The career scope after completing the Bachelor of Graphic Design is very wide. Graduates can work in many creative fields, including digital media, branding, marketing, entertainment and publishing. The program builds strong skills that make students job-ready for multiple roles.

Possible career paths include:

- Graphic Designer
- UI/UX Designer
- Motion Graphics Designer
- Creative Director
- Art Director
- Visual Designer
- Branding Specialist
- Interactive Media Designer
- Illustrator
- Packaging Designer
- Exhibition and Installation Designer
- Freelance or Entrepreneurial
- Educator

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Working on live industry projects and advertising campaigns in design studios.
- Participating in annual design exhibitions and creative competitions.
- Learning motion design and video editing for social media and broadcast.
- Gaining real-world experience through internships at top creative agencies.

Bachelor of Graphic Design Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
CS-102	Application of Information Communication & Technologies	3(2-1)
ISL-103	Teaching of Holy Quran I	N-C
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
DE-111	Drawings & Graphics	3(1-2)
DE-112	Basics of Design	4(1-3)
Credit Hours		15

Semester II

Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	2(2-0)
ISL-104	Teaching of Holy Quran II	N-C
ENG-108	Expository Writing	3(3-0)
DE-113	Visual Communication	3(2-1)
DE-211	Design Studio- I	4(1-3)
GEN-105	Creative Arts	2(2-0)
Credit Hours		14

Semester III

Course Code	Course Title	Credit Hours
ISL-201	Teaching of Holy Quran III	N-C
STAT-301	Statistics	3(3-0)
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
DE-114	History of Art & Design I	3(3-0)
DE-215	Design Studio-II*	4(1-3)
Credit Hours		15

Semester IV

Course Code	Course Title	Credit Hours
PSY-201	Psychology	2(2-0)
ISL-202	Teaching of Holy Quran IV	N-C
MGT-301	Entrepreneurship	2(2-0)
GEN-310	Research Methodology	3(3-0)
GD-313	Graphic Design Studio-I	4(1-3)
GD-312	Illustration Design	3(2-1)
Credit Hours		14

Semester V

Course Code	Course Title	Credit Hours
DE-213	History of Art & Design II*	3(3-0)
DE-216	Advanced Visual Communication*	3(2-1)
GD-311	Design in Motion-I	3(2-1)
GD-319	Graphic Design Studio & II*	4(1-3)
GD-314	Print & Publishing Media	2(2-0)
GD-315	Speculative Design Practice	2(2-0)
Credit Hours		17

Semester VI

Course Code	Course Title	Credit Hours
DE-214	Design Anthropology	2(2-0)
DE-313	Character Design & Narratives	2(0-2)
GD-316	Design in Motion-II*	3(2-1)
GD-317	Animation Design	3(2-1)
GD-318	Sensorial Communication	3(2-1)
GD-320	Graphic Design Studio -III*	4(1-3)
Credit Hours		17
GD-320	Graphic Design Studio -III*	4(1-3)
Total Credit Hours		03

Semester VII

Course Code	Course Title	Credit Hours
DE-212	Art & Society [Critical Theories]	2(2-0)
GD-411	Typography Design	3(2-1)
GD-412	Data Visualization	3(1-2)
GD-413	Web Design & Interactivity-I	3(2-1)
GD-414	Thesis Studio-I*	6(1-5)
Credit Hours		17

Semester VIII

Course Code	Course Title	Credit Hours
DE-411	Professional Practice & Ethics	2(2-0)
GD-415	Marketing and Merchandising	3(3-0)
GD-416	Web Design & Interactivity -II*	3(2-1)
GD-417	Thesis Studio- II*	6(1-5)
Credit Hours		14

*Pre-Requisite Courses

Frequently Asked Questions (FAQs)

1. What is the Bachelor of Graphic Design at TUF?

It is a four-year degree that teaches creative skills and modern design tools for starting a career in the design field.

2. Who can apply for the Bachelor of Graphic Design?

Students who have Intermediate or equivalent education with at least 45% marks can apply.

3. What will I study in the Graphic Design Program?

You will learn drawing, typography, digital design, web basics, animation and visual communication.

4. What is the career scope of this degree?

Graduates can start a strong career in Graphic Design and Media, working in branding, digital content, animation and UI/UX.

5. Does this program include practical learning?

Yes, students work on design projects in studio practice and conduct professional internship too.





Bachelors of Interior Design

Department of Design & Interiors

Short Title: BID
Study Level: Undergraduate
Duration: 8 Semesters (4 years)
Credit Hours: 129
Eligibility: Intermediate or equivalent with a minimum 45% marks

Introduction

The University of Faisalabad offers a 4-year Bachelor Degree in Interior Design with an extensive program of collaborative fields focusing on people-centric design, to define and shape spaces & places. Our studio practice curriculum focuses on how to adapt the design of interior spaces to people needs as well physical & socio-cultural contexts while exploring issues and constraints that affect sustainable approach in design. We encourage our students to observe global trends in design and contemporary lifestyles while providing thoughtful, human-centric and holistic solutions to complex design problems. Developing a concept-oriented approach our students explore gesture, improvisation, and relational compositions, as well as historical and cultural allusions, context and hence develop individual sensibilities while establishing an effective process of inquiry, reflection & invention.

Why Choose Bachelors of Interior Design?

- The program focuses on multifaceted studios aimed at producing interior designers with higher

- sensitivity and efficient skills in dealing with national as well as regional issues through input from a variety of specialized subject matter relevant to aspirations of national, regional, institutional and professional needs and opportunities.
- Choosing this program means engaging in a concept-oriented approach where students explore gesture, improvisation, and relational compositions.
- You will develop individual sensibilities and an effective process of inquiry, reflection, and invention.
- The program provides a measured balance between institutional learning and regulatory standards, ensuring you graduate with professional, artistic, and entrepreneurial skills.
- The program fosters a spirit of inquiry and reflection through well-equipped Design Studios and digital libraries, while integrating model-making workshop practices for the exploration of three-dimensional morphologies and utilizing real-life project scenarios to develop relevant solutions for contemporary issues.

Program Objectives

- Mastering the art of space planning for residential and commercial buildings.
- Developing a deep understanding of colors, textures, and lighting effects.
- Learning to create furniture and layouts that reflect cultural identity.
- Building technical skills to solve complex design problems efficiently.
- Polishing professional communication to pitch design ideas to clients.

Career Scope & Opportunities:

After successful completion of B ID program and time spent in internship, the students will be able to secure jobs in the private or public sectors. The institution will help the students in placements after completion of the program by considering these areas to work with:

- Interior Designers
- Interior Architects
- Furniture Designers
- Artists
- Color Consultants
- Exhibit Designers
- Hospitality designers
- Landscapists
- Retail designers
- Photo Stylist
- Home Restoration Supervisors
- Entrepreneurs (Self Employed)

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Working on studio projects that simulate real-world office and home designs.
- Practicing model-making to explore 3D shapes and structure scales.
- Learning industry-standard software like AutoCAD, SketchUp, and 3ds Max.
- Visiting historical and modern architectural sites for design inspiration.

Bachelor of Interior Design Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
CS-102	Applications of Information Communication & Technologies	3(2-1)
ISL-103	Teaching of Holy Quran I	N-C
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
DE-111	Drawings & Graphics	3(1-2)
DE-112	Basics of Design	4(1-3)
Credit Hours		15

Semester II		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	2(2-0)
ISL-104	Teaching of Holy Quran II	N-C
ENG-108	Expository Writing	3(3-0)
DE-113	Visual Communication	3(2-1)
DE-211	Design Studio- I	4(1-3)
GEN-105	Creative Arts	2(2-0)
Credit Hours		14

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teaching of Holy Quran III	N-C
-	Quantitative Reasoning I	3(3-0)
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
DE-114	History of Art & Design I	3(3-0)
DE-215	Design Studio- II	4(1-3)
Credit Hours		15

Semester IV		
Course Code	Course Title	Credit Hours
PSY-201	Psychology	2(2-0)
ISL-202	Teaching of Holy Quran IV	NC
GEN-206	Entrepreneurship	2(2-0)
-	Quantitative Reasoning II	3(3-0)
ID-312	Interior Design Studio- I	4(1-3)
ID-313	Fundamentals of Interior Design	3(3-0)
Credit Hours		14

Semester V		
Course Code	Course Title	Credit Hours
DE-213	History of Art & Design II*	3(3-0)
DE-216	Advanced Visual Communication*	3(2-1)
DE-312	Interior Decoration	3(2-1)
ID-311	Digital Communication	2(0-2)
ID-314	Material & Technologies	3(3-0)
ID-317	Interior Design Studio – II*	4(1-3)
Credit Hours		17

Semester VI		
Course Code	Course Title	Credit Hours
GEN-310	Research Methodology	3(3-0)
DE-311	Textiles & Design	2(2-0)
ID-315	Advanced Digital Communication*	2(0-2)
ID-316	Furniture Design	3(2-1)
ID-318	Language of Interior Design – I	3(2-1)
ID-319	Interior Design Studio – III*	4(1-3)
Credit Hours		18

Semester Summer		
Course Code	Course Title	Credit Hours
Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
Credit Hours		03

Semester VII		
Course Code	Course Title	Credit Hours
DE-214	Design Anthropology	2(2-0)
ID-411	Building Systems & Services	3(3-0)
ID-412	Lighting Systems	3(2-1)
ID-413	Language of Interior Design – II*	3(2-1)
ID-414	Thesis Studio – I*	6(1-5)
Credit Hours		17

Semester VIII		
Course Code	Course Title	Credit Hours
DE-212	Art & Society [Critical Theories]	2(2-0)
ID-411	Professional Practice & Ethics	2(2-0)
ID-415	Landscape Design	3(2-1)
ID-416	Sustainable Design	3(3-0)
ID-417	Thesis Studio – II*	6(1-5)
Credit Hours		16
Total Credit Hours		129

Frequently Asked Questions (FAQs)

- 1. What is the Bachelor of Interior Design program?**
It is a 4-year degree that produces designers with high sensitivity and efficient skills in dealing with building interiors, tackling both national and regional design issues.
- 2. Who is eligible for the Bachelor of Interior Design?**
Students with Intermediate (FA/FSc) or equivalent and at least 45% marks can apply.
- 3. What skills will I gain from this Bachelor of Interior Design?**
Students will develop a robust toolkit of technical and creative skills, including Technical Proficiency, Analytical Skills, Design Pedagogy and Professionalism.
- 4. What career opportunities are available after this Bachelor of Interior Design?**
Graduates can pursue careers as interior designers for residential or commercial sectors (hotels, retail), furniture designers, lighting specialists, landscape designers, or entrepreneurs.



ADP Graphic Design

Department of Design & Interiors

Short Title: ADPGD

Study Level: Undergraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 72

Eligibility: Students are eligible to apply for admission if they have successfully completed your FA/FSc with 35% marks (3rd division) or have an A level pass in three subjects (IBCC equivalence certificate is required), or an equivalent national or international qualification.

Introduction

The Associate Degree in Graphic Design (ADP) at The University of Faisalabad is a rigorous, two-year professional program specifically engineered for rapid entry into the creative industry. It focuses on the essential technical skills and design fundamentals required to excel in modern communication environments, bridging the gap between traditional artistry and digital innovation. This program is ideal for students who wish to gain professional-grade proficiency and enter the workforce quickly, while maintaining the flexibility to pursue a full Bachelor's degree later. The curriculum delivers a concentrated toolkit of design strategies and practical methodologies over 4 semesters. By prioritizing hands-on studio practice, the program ensures that students become adaptive, technically proficient designers ready for immediate employment in design offices and creative agencies.

Why Choose ADP in Graphic Design?

- The Associate Degree Program is designed in alignment with the Higher Education Commission (HEC) Pakistan guidelines to provide a market-driven alternative to traditional four-year track allowing students to meet the immediate needs of the local and international job market in just two years, focusing on the core competencies required by design firms.
- Graduates have the unique advantage of entering the workforce early or seamlessly transitioning into the 5th semester of a Bachelor of Graphic Design program to complete a full 16-year education.
- The program's emphasis on tech proficiency and digital transformation ensures graduates can contribute to businesses aiming to modernize their visual presence.
- The focus on portfolio development and practical execution empowers students to take on freelance opportunities and international remote work early in their careers.

Program Objectives

- Gaining full control over famous design tools like Photoshop and Illustrator.
- Transforming raw ideas into beautiful layouts and stylish text designs.
- Generating eye-catching posts for Instagram, Facebook, and advertisements.
- Constructing professional logos and brand looks for new businesses.

- Improving how you tell stories through pictures and creative visuals

Career Scope & Opportunities:

The career scope for Associate Degree holders is immediate and diverse, as the program builds the specific technical foundations sought by employers. Graduates are equipped to handle various roles in digital media, advertising, and corporate branding.

Possible career paths include:

- Graphic Designer
- Associate UI/UX Designer
- Social Media Content Creator
- Layout & Production
- Artist Associate Illustrator
- Digital Image Editor
- Associate Typography Specialist
- Freelance Graphic Designer
- Assistant Art Director

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Operating digital tablets for professional drawing and sketching.
- Developing real packaging boxes and outdoor billboard designs.
- Applying classroom lessons to solve actual design tasks for clients.
- Discovering how to make moving graphics and simple videos for the web.

ADP Graphic Design – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
CS-102	Application of Information Communication & Technologies	3(2-1)
ISL-103	Teaching of Holy Quran I	N-C
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
DE-111	Drawings & Graphics	3(1-2)
DE-112	Basics of Design	4(1-3)
DE-114	History of Art & Design I	3(3-0)
Credit Hours		18

Semester II		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	2(2-0)
ISL-104	Teaching of Holy Quran II	N-C
ENG-108	Expository Writing	3(3-0)

Semester II		
GEN-105	Creative Arts	2(2-0)
DE-113	Visual Communication	3(2-1)
DE-211	Design Studio- I	4(1-3)
GD-312	Illustration Design	3(2-1)
Credit Hours		17

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teaching of Holy Quran III	N-C
STAT-301	Statistics	3(3-0)
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
DE-215	Design Studio-II	4(1-3)
DE-216	Advanced Visual Communication	3(2-1)
GD-314	Print & Publishing Media	2(2-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
PSY-201	Psychology	2(2-0)
ISL-202	Teaching of Holy Quran IV	N-C
MGT-301	Entrepreneurship	2(2-0)
GEN-310	Research Methodology	3(3-0)
GD-313	Graphic Design Studio-I	4(1-3)
GD-317	Animation Design	3(2-1)
GD-415	Marketing and Merchandising	3(3-0)
Credit Hours		17
GEN-401	Internship	3(0-3)
Total Credit Hours		03

***Pre-Requisite Courses - Total Credit Hours: 72**

Frequently Asked Questions (FAQs)

1. What is ADP in Graphic Design?

It is a two-year, skill-oriented degree designed to provide students with professional design training and modern tool proficiency for an early start in the design industry.

2. Who can apply for the ADP in Graphic Design?

Students with FA/FSc, A-Levels or equivalent qualifications.

3. What skills will I learn in this program?

The curriculum focuses on drawing, typography, digital layout, branding basics, and visual communication using industry-standard software

4. Can I start a career after completing the ADP in Graphic Design?

Yes, you can start a career in graphic design or continue to a bachelor's degree.

5. Does the program include practical experience?

Yes, the degree is highly practical, involving intensive studio projects and internships to ensure students are ready for office environments upon graduation



ADP

Interior Design

Department of Design & Interiors

Short Title: ADP ID

Study Level: Undergraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 72

Eligibility: Students are eligible to apply for admission if they have successfully completed your FA/FSc. with 35% marks (3rd division) or have an A level pass in three subjects (IBCC equivalence certificate is required), or an equivalent national or international qualification.

Introduction

The Associate Degree Program (ADP) in Interior Design is meticulously crafted to provide a swift and skill-intensive pathway into the professional design industry. This program focuses on technical proficiency and human-centric design, empowering graduates to immediately contribute to design firms or launch independent ventures after just four semesters. The ADP in Interior Design at TUF is a 2-year program that builds a strong foundation for students for real-world challenges. Our curriculum is built around hands-on studio practices that emphasize the adaptation of interior spaces to meet physical, socio-cultural, and ergonomic needs. Students engage in model-making and digital rendering ensuring they possess the practical toolkit required by the modern market. We bridge the gap between academic theory and real-world application by utilizing project-based scenarios and internship opportunities.

Why Choose ADP Interior Design?

- This program is an ideal choice for students seeking a specialized skill set and early entry into the workforce.
- The program is designed to be a contemporary, skill-oriented replacement for traditional general degrees, focusing on specialized industry needs.
- Graduates have the unique advantage of joining the job market immediately or choosing to continue their education.
- Under HEC policy, ADP graduates can transfer their credits to enroll directly into the 5th semester (third year) of a 4-year Bachelor's degree in the same discipline, ensuring no time is wasted.
- As a shorter, two-year program, it provides an affordable route to higher education and professional certification.

Program Objectives

- Mastering the basics of residential and commercial space planning.
- Developing technical drafting skills for accurate interior layouts.
- Understanding the relationship between lighting, colors, and human comfort.
- Learning to create realistic 3D visualizations for client presentations.
- Building a professional portfolio to showcase creative design projects.

Career Scope & Opportunities:

The ADP prepares graduates for diverse roles in the private and public sectors, specifically targeting entry-level positions where practical expertise is paramount. Career paths include:

- Assistant Interior Designers
- Furniture Design Consultants
- Drafters and Visualization Artists
- Retail and Display Designers
- Color and Material Consultants
- Freelance Interior Stylists
- Entrepreneurship (Self-Employment)

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Practicing model-making to understand space scales and 3D structures.
- Learning essential design software like AutoCAD and SketchUp.
- Gaining real-world exposure through short-term industry internships.
- Participating in workshops focused on material selection and textures.

ADP Interior Design – Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
CS-102	Applications of Information Communication & Technologies	3(2-1)
ISL-103	Teaching of Holy Quran I	N-C
ENG-107	Functional English	3(3-0)
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
DE-111	Drawings & Graphics	3(1-2)
DE-112	Basics of Design	4(1-3)
DE-114	History of Art & Design I	3(3-0)
Credit Hours		18

Semester II		
Course Code	Course Title	Credit Hours
ISL-101	Islamic Studies	2(2-0)
ETH-100	Ethics	2(2-0)
ISL-104	Teaching of Holy Quran II	N-C
ENG-108	Expository Writing	3(3-0)
GEN-105	Creative Arts	2(2-0)
DE-211	Design Studio- I	4(1-3)
DE-113	Visual Communication	3(2-1)
ID-313	Fundamentals of Interior Design	3(3-0)
Credit Hours		17

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teaching of Holy Quran III	N-C
-	Quantitative Reasoning I	3(3-0)
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
DE-215	Design Studio- II	4(1-3)
DE-312	Interior Decoration	3(2-1)
ID-311	Digital Communication	2(0-2)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
PSY-201	Psychology	2(2-0)
ISL-202	Teaching of Holy Quran IV	NC
GEN-206	Entrepreneurship	2(2-0)
-	Quantitative Reasoning II	3(3-0)
ID-312	Interior Design Studio- I	4(1-3)
ID-314	Material & Technologies	3(3-0)
ID-316	Furniture Design	3(2-1)
Credit Hours		17
GEN-401	Internship	3(0-3)
Total Credit Hours		03

*Pre-Requisite Courses

Total Credit Hours: 72

Frequently Asked Questions (FAQs)

1. What is the ADP in Interior Design program?

It is a 2-year, skill-focused undergraduate degree equivalent to 14 years of education, designed for students who want to enter the design profession quickly.

2. Who can join this program?

FA/FSc or A-Level students can enroll in this undergraduate interior design diploma.

3. What skills will I learn in this course?

You will develop a robust toolkit of technical proficiency, analytical skills, and creative problem-solving abilities including spatial planning and digital visualization.

4. Can I start a career after this program?

The ADP focuses on market-ready employability skills that allow you to start your career early. The program bridges the gap between academic learning and industry needs, making you an ideal candidate for entry-level professional roles.

5. How long does the ADP in Interior Design take?

It lasts 2 years across four semesters & a summer internship.

Masters in Interior Design

Department of Design & Interiors

Short Title: MID

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 36

Eligibility:

- Acceptance for Master course depends on the student's prior level of 16 year of education in any of the following programs: interior Design & Architecture.
- Students with background in Fine Arts, Textile, Fashion Design, Visual Communication Design, Industrial Design, Business Administration, Management Studies, IT and Computer Science can also enroll in the degree program with clearing zero semester.
- All candidates will have to clear GAT (General)/TUF Entry Test with minimum 50% score.

Introduction

Master of Interior Design offered at The University of Faisalabad is an extensive professional degree program curated to address cultural, social, and practical concerns examining materials, furniture, and lighting, sustainability in interior environment and emerging materials & technologies as one plans new and innovative spaces. The curriculum is fashioned to merge the creative thinking and business sensibilities under the domain of interior design to develop a coherent interdisciplinary approach that let interior designers collaborate between various programs and industries and explore alternative approaches to creative practice. It further explores contemporary identity of interiors

from its conception to execution in the globalized society and culture of today. The program offered also includes specialized syllabi on adaptive reuse with a clear focus on strategical account for the importance of social and environmental responsibility by understanding adaptive reuse as a product of both practice and theory.

A total of 4 semesters, spanning over two years, the degree requires 30 credits of theory & studio courses and a 6 credit thesis subject to be rendered complete for graduation. The final year degree project allows for continued development through advanced research in specialized area synthesizing key concepts learned and demonstrated expertise in a chosen area of specialization.

This programme is unique in that it offers its own research, design and creative practice modules allowing students to develop a wide range of practical and research skills. Other distinct features include its emphasis upon activity-based learning in studios, supported by study visits and field trips.

Why Choose Masters in Interior Design?

- One of the fastest growing professions in the world, Interior Design is visionary program that inculcates power of imagination and creative expression into a tangible domain of built environment.
- The Master degree offered at The University of Faisalabad is perfect for young graduates or professionals working in the field interested in attending a specialization course.
- The objective of the prospective program is to produce a new professional quality by combining

creative and technical skills by stimulating design problems commonly faced not only in Pakistan's contemporary society but in the international design world as well.

- Graduates will examine the fundamentals of design together with more advanced topics such as fabrication, and design detailing further enhanced with professional courses of project management and implementation aspects of interior design to equip them with market requirements and great employment perspectives.

Program Objectives

- Directing large design teams for complex commercial and public projects.
- Critiquing modern design theories to find better ways of using space.
- Integrating smart technology and lighting into luxury interior environments.
- Solving social and environmental problems through responsible design choices.
- Advancing professional skills to work in international design consultancy firms

Career Scope & Opportunities:

A career in interior design has the potential to be uniquely rewarding, enjoyable and secure for life as individuals, brands and businesses all over the world will always rely on the skills, talents and experience of qualified interior designers to get the job done. The ever-expanding scope of the degree will address growing demand at an extraordinary pace worldwide by producing creative individuals with experienced qualifications.

Possible career opportunities include:

- Interior designer or consultant
- Project manager in design and architecture firms
- Academic researcher or lecturer
- Space planner for residential, commercial or public projects
- Specialist in sustainable and adaptive design solutions

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Conducting in-depth research for a professional final-year thesis.
- Examining local and international design sites through field visits.
- Producing detailed design documents using advanced digital software.
- Organizing studio workshops to solve real-world industrial design problems.

Master in Interior Design Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
MID-101	Interior Design Studio I	4 (1-3)
MID-102	Building Materials Exploration	3 (2-1)
-	Elective Course	3 (2-1)
Credit Hours		10

Semester II		
Course Code	Course Title	Credit Hours
MID-111	Interior Design Studio II	4 (1-3)
MID-112	Scheme Detailing	3 (1-2)
-	Elective Course	3 (2-1)
Credit Hours		10

Semester III		
Course Code	Course Title	Credit Hours
MID-201	Interior Design Studio III	4 (1-3)
MID-202	Building Structure & Systems for Adaptive Reuse	3 (2-1)
-	Elective Course	3 (3-0)
Credit Hours		10

Semester IV		
Course Code	Course Title	Credit Hours
MID-211	Interior Design Thesis	6 (0-6)
Credit Hours		6
Total Credit Hours		36

List of Electives to be offered are as follows:

Course Code	Course Title	Credit Hours
MID-103	Digital Representation & Visual Narratives	3 (1-2)
MID-104	Sustainable Energy Systems in Interiority	3 (2-1)
MID-113	Emergent Design Methodologies	2 (2-0)
MID-114	Phenomenology in Design	2 (2-0)
MID-203	Interactive Architecture	3 (2-1)
MID-204	Historical Foundation of Art & Design	3 (3-0)
MID-205	Critical Pedagogies in Design	3 (3-0)
MID-206	Introduction to Research Methods	3 (3-0)

Frequently Asked Questions (FAQs)

1. Is a Masters in interior design worth it?

The program is considered valuable for young graduates or professionals wanting to specialize in the field. It offers unique research, design, and creative practice modules that help students develop both practical and research-based skills

2. How many years is a Masters in interior design?

The program usually takes 2 years to complete, including coursework and a thesis-based interior design research project.

3. Does the program include practical training?

The Master of Interior Design program provides practical training through activity-based studio learning, field trips, and study visits. Students develop hands-on technical expertise in fabrication and design detailing, culminating in a 6-credit thesis that integrates research with professional practice.

4. Is Master in Interior Design a good career choice?

Interior design is a rapidly growing global profession that offers high demand and long-term career security. It opens doors to careers for Graduates and prepare them for specialized roles in project management and implementation to meet modern market requirements.

5. What skills will I gain in a Master in Interior Design?

You will develop a wide range of professional, technical, and creative skills including but not limited to knowledge of building materials, digital representation, visual narratives, and design detailing, sustainability & innovation, business & management and research & critical thinking.



Department of English Language and Literature

Vision

The Department of English Language and Literature at The University of Faisalabad is committed to academic excellence in linguistics, literature, and language education. We foster critical thinking, research, and creative expression through a dynamic learning environment. Our goal is to prepare globally competent graduates who demonstrate leadership, integrity, and a commitment to serving society.

Mission

The Department of English Language and Literature is committed to delivering high-quality, research-driven education that fosters critical thinking, effective communication, and ethical leadership. Through an interdisciplinary approach to linguistics and literary studies, we prepare students to understand the impact of language on culture and society while equipping them to address contemporary challenges through research, creativity, and lifelong learning.



Scan our code for more details
<https://tuf.edu.pk/n/departments-details/department-of-english-language-and-literature>



BS English

Department of English Language and Literature

Short Title: BSEN

Study Level: Undergraduate

Duration: 4 Years

Credit Hours: 129

Eligibility: Intermediate with minimum 45% marks or equivalent

Introduction

The BS English program at The University of Faisalabad (TUF) is a 4-year undergraduate degree designed to develop strong language, literature, translation, and communication skills. The program equips students with the ability to analyze literary works, communicate effectively, and apply theoretical and practical knowledge in translation and interpreting. Students also gain confidence in writing, speaking, and research, preparing them for professional and academic success.

Why Choose BS English Language and Literature?

This program offers a comprehensive learning experience in English language and literature. Students benefit from:

- A curriculum covering literature, linguistics, translation, and interpretation
- Development of analytical, critical thinking, and research skills
- Hands-on practice in translation and professional communication

- Preparation for careers in teaching, writing, content creation, and media
- A supportive environment with expert faculty for guidance and mentorship

Program Objectives

- Build strong proficiency in English language, grammar, and communication
- Develop analytical and interpretive skills for literature and texts
- Equip students with practical translation and interpretation abilities
- Strengthen research, writing, and presentation skills
- Prepare graduates for academic, professional, and creative careers

Practical training, internships & research exposure:

- Practical translation exercises and interpretation workshops
- Creative, academic, and professional writing labs
- Research projects analyzing literary texts, linguistics, and communication
- Exposure to modern and classical literature with critical interpretation exercises
- Hands-on application through internships, seminars, and presentation-based projects
- Opportunities to develop independent research skills for higher studies

Career Scope & Opportunities:

Graduates of BS English have versatile career options due to the universal demand for English proficiency. Career opportunities include:

- Translator or Interpreter
- English Teacher or Lecturer
- Content Writer or Editor
- Media and Publishing Professional
- Public Relations and Corporate Communication Specialist
- Researcher or Academic Project Associate
- Roles in corporate, administrative, and international organizations

The program prepares students to confidently enter local and global professional markets with strong communication, analytical, and research skills.

BS English Language and Literature Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-104	Ideology and Constitution of Pakistan	2(2-0)
ISL-102	Teaching of Holy Quran -I	NC
SS-124	Study Skills	3(3-0)
CS-102	Application of Information and Communication Technology (ICT)	3(2-1)
ELL-111	English I (Reading and Writing Skills)	3(3-0)
ELL-112	Introduction to Literature	3(3-0)
ELL-113	Introduction to Linguistics	3(3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-103	Teaching of Holy Quran -II	NC
ISL-101 ETH-100	Islamic Studies/ Ethics (for Non-Muslims)	2(2-0)
GEN-105	Creative Arts	2(2-0)
ELL-114	Advance English Grammar	3(3-0)
ELL-115	English-II (Composition Writing)	3(3-0)
ELL-212	Classical and Renaissance Drama	3(3-0)
ELL-116	Phonetics and Phonology	3(2-01)
ELL-117	History of English Literature (Literary Forms and Movements)	3(3-0)
Credit Hours		19

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teaching of Holy Quran -III	NC
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
STAT-103	Statistics	3(3-0)
ELL-211	English-III (Communication and Presentation Skills)	3(3-0)
ELL-213	Classical Poetry	3(3-0)
ELL-215	Psycholinguistics	3(3-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teaching of Holy Quran -IV	NC
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ELL-216	English IV (Academic Reading and Writing)	3(3-0)
ELL-214	Semantics and Pragmatics	3(3-0)
ELL-218	Rise of the Novel 18th century to 19th century	3(3-0)
ELL-319	Modern Drama	3(3-0)
GEN-310	Research Methodology	3(2-1)
Credit Hours		19

Semester V		
Course Code	Course Title	Credit Hours
ELL-217	English Language Teaching	3(3-0)
ELL-418	Corpus Linguistics	3(2-1)
HRC-224	Human Rights and Citizenship	3(3-0)
ELL-313	Romantic and Victorian Poetry	3(3-0)
ELL-318	Modern Novel	3(3-0)
Credit Hours		15

Semester VI		
Course Code	Course Title	Credit Hours
MASC-301	Mass Communication	3(3-0)
ELL-315	Forensic Linguistics	3(2-1)
ELL-316	Critical Discourse Analysis	3(2-1)
ELL-411	Literary Theory and Practice	3(3-0)
ELL-317	Modern Poetry	3(3-0)
Credit Hours		15

Semester VII		
Course Code	Course Title	Credit Hours
ELL-417	World Literature	3(3-0)
ELL-412	Prose	3(3-0)
ELL-415	Language Testing and Assessment	3(3-0)
ELL-311	Sociolinguistics	3(3-0)
Credit Hours		12
GEN-410	Research Project	3(0-3)
ELL-416	Literary Criticism	3(3-0)
ELL-414	Postcolonial Studies	3(3-0)
ELL-312	World Englishes	3(3-0)
ELL-413	Literary Stylistics	3(2-1)
Credit Hours		15
Total Credit Hours		129

Frequently Asked Questions (FAQs)

- 1. What does the BS English program cover?**
It covers language, literature, translation, and interpreting with both theoretical and practical learning.
- 2. Who is eligible for BS English?**
Students with Intermediate or equivalent and at least 45% marks can apply.
- 3. What skills will I gain in this program?**
You will develop writing, communication, translation, analytical, and research skills.
- 4. What jobs can I get after BS English?**
Graduates can work as translators, teachers, writers, editors, content creators, or communication specialists.
- 5. Does the program include practical translation and research training?**
Yes, it includes hands-on translation exercises, interpretation workshops, writing labs, and research projects to prepare students for real-world applications.





ADP English

Department of English Language and Literature

Short Title: ADPEN

Study Level: Undergraduate

Duration: 2 Years

Credit Hours: 66

Eligibility: Intermediate with minimum 45% marks or equivalent

Introduction

The ADP English program at The University of Faisalabad (TUF) is a 2-year associate degree designed to build strong reading, writing, and communication skills while introducing students to literature, linguistics, and foundational English language concepts. This program prepares learners to express ideas clearly, understand language structure, and gain practical skills for both academic and professional growth. It is ideal for students seeking a solid qualification after intermediate, providing a pathway to higher studies and career opportunities in education, media, and public service.

Why Choose ADP English?

The ADP English program offers a balanced mix of theory and practical learning to help students gain proficiency in English language and literature.

- Combines language, literature, and linguistics courses for a comprehensive foundation.
- Develops practical skills in writing, communication, and critical thinking.
- Prepares students for higher education, including BS English or related social sciences programs.

- Integrates creative and technical subjects for a complete learning experience.
- Builds exposure to research methods, vocabulary development, and literary analysis.

Program Objectives

- Strengthen English language skills in reading, writing, listening, and speaking.
- Introduce students to literature and linguistic concepts.
- Develop critical thinking, analytical skills, and effective communication.
- Prepare graduates for higher studies and professional applications.
- Encourage exploration of creative writing and language-based projects.

Practical training, internships & research exposure:

- Practical writing exercises and communication workshops.
- Introduction to literary research, including text analysis and interpretation.
- Translation exercises and applied linguistics tasks to build real-world skills.
- Hands-on projects, presentations, and assignments to develop analytical thinking.
- Exposure to modern digital tools for content creation and language learning.

Career Scope & Opportunities:

Graduates of the ADP English program have a variety of career options due to the universal need for English proficiency. Opportunities include:

- Teaching or tutoring in schools and academies
- Content writing, editing, and publishing
- Journalism and media-related roles
- Office communication, administrative roles, and customer support
- Creative writing and literary projects
- Social media and digital content creation

Graduates can continue into BS English or related social sciences programs for further education and career advancement.

ADP English Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEN-104	Ideology & Constitution of Pakistan	2(2-0)
ISL-103	Teachings of Holy Quran-I	NC
ELL-118	Study Skills	3(3-0)
CS-102	Applications of Information & Communication Technologies	3(2-1)
ENG-107	Functional English	3(3-0)
ELL-112	Introduction to Literature	3(3-0)
ELL-113	Introduction to Linguistics	3(3-0)
Credit Hours		17

Semester II		
Course Code	Course Title	Credit Hours
ISL-104	Teachings of Holy Quran-II	NC
ISL-101 ETH-100	Islamic Studies/ Ethics (for Non-Muslims)	2(2-0)
GEN-105	Creative Arts	2(2-0)
ELL-114	Advance English Grammar	3(3-0)
ENG-108	Expository Writing	3(3-0)
ELL-116	Phonetics and Phonology	3(3-0)
ELL-117	History of English Literature (Literary Forms and Movements)	3(3-0)
Credit Hours		16

Semester III		
Course Code	Course Title	Credit Hours
ISL-201	Teachings of Holy Quran-III	NC
GEN-202	Environmental Studies	3(2-1)
GEN-203	Community Service Learning	2(2-0)
STAT-103	Statistics	3(3-0)
ELL-212	Classical and Renaissance Drama	3(3-0)
ELL-213	Classical Poetry	3(3-0)
ELL-215	Psycholinguistics	3(3-0)
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
ISL-202	Teachings of Holy Quran-IV	NC
PSY-201	Psychology	2(2-0)
GEN-206	Entrepreneurship	2(2-0)
ELL-214	Semantics and Pragmatics	3(3-0)
ELL-218	Rise of the Novel 18th century to 19th century	3(3-0)
ELL-319	Modern Drama	3(3-0)
GEN-310	Research Methodology	3(3-0)
Credit Hours		16
Total Credit Hours		66

Frequently Asked Questions (FAQs)

1. What is ADP English?

A 2-year program at TUF that develops reading, writing, and communication skills in English.

2. Who is eligible for ADP English?

Students with intermediate or equivalent education and at least 35% marks can apply.

3. What jobs are available after ADP English?

Graduates can work in teaching, media, content writing, communication, and administrative roles.

4. Can I continue studies after ADP English?

Yes, you can enroll in BS English or other social sciences programs for further education.

5. What skills will I gain?

You will gain foundational English language training, literary knowledge, writing, communication, and research skills.



MPhil English Linguistics

Department of English Language and Literature

Short Title: MPELING

Study Level: Postgraduate

Duration: 2 Years

Credit Hours: 30

Eligibility: BS/MA English or equivalent with minimum CGPA 2.0 out of 4.00 or minimum marks 50% marks in annual system GAT(General)/TUF Entry Test with minimum 50% score

Introduction

The MPhil English Linguistics program at The University of Faisalabad (TUF) is a 2-year postgraduate degree designed for students who want to study language in a professional and in-depth manner. The program focuses on the scientific study of language, communication, and linguistic research. It combines classroom learning, linguistic theory, and practical research skills to prepare students for academic, professional, and research careers in English linguistics.

Why Choose MPhil English Linguistics?

This program is ideal for students who want to understand the mechanics of language, communication patterns, and research methods:

- Study how language works and how communication shapes society.
- Gain hands-on skills in modern linguistic tools and analysis.

- Learn subjects such as discourse studies, syntax, phonetics, semantics, and translation.
- Develop academic writing, research, and analytical skills for teaching, content creation, and language consultancy.
- Prepare for advanced research or further studies in PhD programs.

Program Objectives

- Provide advanced knowledge of English linguistics, including syntax, phonology, semantics, and pragmatics.
- Equip students with research methodology skills for academic and applied linguistic research.
- Develop critical thinking and analytical skills for language study and communication.
- Prepare graduates for careers in teaching, writing, editing, translation, and professional language consulting.

Practical training, internships & research exposure:

- Practical training in linguistic research methods and data collection.
- Workshops on academic writing, thesis development, and discourse analysis.
- Exposure to qualitative and quantitative linguistic research tools.
- Mentorship for developing independent research projects and thesis work.

- Applied exercises in translation, interpretation, and sociolinguistics for real-world language use.

Career Scope & Opportunities:

Graduates of MPhil English Linguistics can pursue careers in:

- Lecturing in colleges and universities
- Content writing, editing, and publishing
- Communication and public relations roles
- Linguistic research and analysis
- Language consultancy for businesses and organizations
- Translation and interpretation services

This program also provides a strong foundation for further studies, including a PhD in Linguistics or related fields.

MPhil English Linguistics Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran-I	1(0-1)
ELING701	Research Methods in Linguistics	3(3-0)
ELING702	Linguistic Theories	3(3-0)
ELING703	Applied Grammar & Syntax	3(3-0)
ELING704	Discourse Studies	3(3-0)
Credit Hours		18

Semester II

Course Code	Course Title	Credit Hours
ISL-106	Understanding of Quran II	1(0-1)
ELING705	Language Power and Identity	3(3-0)
ELING706	Translation Studies	3(3-0)
ELING707	Latest Trends in Linguistics	3(3-0)
ELING708	Narratology	3(3-0)
Credit Hours		13

Semester III & Semester IV

Course Code	Course Title	Credit Hours
ELL-720	Research synopsis	6(0-6)
Credit Hours		06
Total Credit Hours		32

LIST OF ELECTIVE COURSES - MPhil

Course Code	Course Title	Credit Hours
ELING709	Corpus Linguistics)	3(3-0)
ELING710	Language and Technology	3(3-0)
ELING711	Psycho-Neurolinguistics	3(3-0)
ELING712	Advanced Stylistics	3(3-0)
ELING713	Anthropological Linguistics	3(3-0)
ELING714	Systemic Functional Linguistics	3(3-0)
ELING715	Critical Discourse Analysis	3(3-0)
ELING716	Bilingualism	3(3-0)
ELING717	Genre Analysis	3(3-0)
ELING718	Issues in Syntax	3(3-0)
ELING719	Applied Linguistics	3(3-0)
ELING720	Multilingualism	3(3-0)
ELING721	Teaching and Learning English in Large Classes	3(3-0)
ELING722	Cross-Cultural Communication	3(3-0)
ELING723	Theoretical Phonology	3(3-0)
ELING724	Phonetics	3(3-0)
ELING725	Language Program Management	3(3-0)
ELING726	Morphology & its Theoretical Foundations	3(3-0)
ELING727	Neuro-linguistics	3(3-0)
ELING728	Cognitive Linguistics	3(3-0)

Frequently Asked Questions (FAQs)

1. What is MPhil English Linguistics?

It is a postgraduate program that studies English language, communication, and research methods in linguistics.

2. Who can apply for MPhil English Linguistics?

Students with a BS or MA in English or Linguistics with at least 50% marks are eligible.

3. How long is the MPhil English Linguistics program?

The program is completed in 2 years (4 semesters).

4. What jobs can I get after MPhil English Linguistics?

Graduates can work in teaching, content creation, editing, research, communication, language consultancy, translation, and interpretation.

5. Does the program teach research methods and linguistic theories?

Yes, it includes in-depth study of linguistic theories, analysis techniques, and research methodology for scientific study of English.



MPhil English Literature

Department of English Language and Literature

Short Title: MPEL

Study Level: Postgraduate

Duration: 2 Years

Credit Hours: 30

Eligibility: BS/MA English or equivalent with minimum CGPA 2.0 out of 4.00 or minimum marks 50% marks in annual system GAT(General)/TUF Entry Test with minimum 50% score

Introduction

The MPhil English Linguistics program at The University The MPhil in English Literature at The University of Faisalabad (TUF) is a 2-year postgraduate program designed for students who want to explore advanced topics in English literature and develop strong academic research skills. The program emphasizes literary theories, critical analysis, and research methodology, culminating in a thesis project that prepares students for academic careers, professional writing, and advanced studies in English literature.

Why Choose MPhil in English Literature?

This program allows students to deepen their understanding of literature while combining theoretical knowledge with practical research skills:

- Analyze literature using advanced literary theories and research methodologies.
- Develop strong critical thinking, academic writing,

and communication skills.

- Explore diverse literary genres, including Pakistani, American, and postcolonial literature.
- Prepare for careers in teaching, research, media, writing, editing, or further academic study.

Program Objectives

- Provide advanced understanding of English literature across historical and contemporary contexts.
- Equip students with research and thesis-writing skills for academic excellence.
- Foster critical thinking and analytical abilities applicable to literary studies.
- Prepare students for professional and academic careers in teaching, writing, and media.

Practical training, internships & research exposure:

- Hands-on guidance in literary research methods and thesis preparation.
- Workshops on academic writing, citation styles, and critical analysis.
- Exposure to qualitative and quantitative research tools for literary studies.
- Practical exercises in analyzing and interpreting texts across genres.
- Mentorship from experienced faculty to develop independent research projects.

Career Scope & Opportunities:

Graduates of the MPhil in English Literature can pursue diverse career paths, including:

- Teaching in schools, colleges, and universities
- Writing and editing for books, magazines, newspapers, and digital media
- Working as literary critics, language specialists, or content developers
- Pursuing further research such as a PhD in English Literature or other academic research
- Roles in public relations, communication, or linguistics

This program equips students with thesis-writing, critical analysis, and research skills essential for success in both academic and professional careers.

MPhil in English Literature Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ISL-105	Understanding of Quran-1	1(0-1)
ELL - 701	Research Methodology	3(3-0)
ELL - 702	Critical Theories	3(3-0)
ELL - 718	Digital Humanities	3(3-0)
ELL - 716	Postmodern Fiction	3(3-0)
Credit Hours		13

Semester II

Course Code	Course Title	Credit Hours
ISL-106	Understanding of Quran-II	1(0-1)
ELL - 703	Pakistani Writings in English	3(3-0)
ELL705	Contemporary Postcolonial Studies	3(3-0)
ELL - 713	Literature and Environment	3(3-0)
ELL - 714	Literature & Film Studies	3(3-0)
Credit Hours		13

Semester III & Semester IV

Course Code	Course Title	Credit Hours
ELL-720	Research synopsis	6(0-6)
Credit Hours		06
Total Credit Hours		32

LIST OF ELECTIVE COURSES – MPhil English Literature

Course Code	Course Title	Credit Hours
ELL - 705	Postcolonial Studies	3(3-0)
ELL - 711	War Literature	3(3-0)
ELL - 712	Literature & Globalization	3(3-0)
ELL - 713	Literature & Environment	3(3-0)
ELL - 714	Literature & Film Studies	3(3-0)
ELL - 715	Women's Writings	3(3-0)
ELL - 716	Postmodern Fiction	3(3-0)
ELL - 717	Transnational Poetry	3(3-0)
ELL - 718	Digital Humanities	3(3-0)
ELL - 719	Discourse Analysis	3(3-0)
ELL - 720	Critical Discourse Analysis	3(3-0)
ELL - 721	Language, Power & Identity	3(3-0)
ELL - 722	Narratology	3(3-0)
ELL - 723	Romantic Aesthetics	3(3-0)
ELL - 724	Rhetoric & Persuasion	3(3-0)
ELL - 725	Modernity & Cultural Crisis	3(3-0)
ELL - 726	Modern Poetry	3(3-0)
ELL - 727	Modern Novel	3(3-0)
ELL - 728	Modern Drama	3(3-0)
ELL - 729	Literature & Ideology	3(3-0)

Frequently Asked Questions (FAQs)

1. What is MPhil in English Literature?

It is a postgraduate program focused on advanced literary studies, research methodology, and academic thesis writing.

2. Who can apply for MPhil in English Literature?

Students with a BS or MA in English, with at least 50% marks and a qualifying test score.

3. How long does MPhil in English Literature take?

The program typically takes 2 years, including coursework and a thesis project.

4. What will I learn in MPhil in English Literature?

You will study literary theories, research methods, critical analysis, and both classic and modern literature.

5. What careers can I pursue after MPhil in English Literature?

Graduates can work in teaching, research, writing, editing, content development, or pursue a PhD.



PhD English Literature

Department of English Language and Literature

Short Title: PhDEL

Study Level: Postgraduate

Duration: 3 Years

Credit Hours: 24

Eligibility: 18 Years of Education, MS/MPhil or Equivalent degree from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system. A Graduate Record Examination (GRE) test administered by the Education Testing Service, or a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to pass.

Introduction

The PhD English Literature program at The University of Faisalabad (TUF) is a 3-year doctoral program designed for students who have completed an MS or MPhil in English. This program focuses on advanced literary research, critical analysis, and scholarly writing. It combines rigorous coursework with intensive research, enabling students to explore classical, modern, and postcolonial literature in depth while developing expertise in literary criticism.

Why Choose MPhil in English Literature?

This program is ideal for students who want to become expert researchers and scholars in English literature:

- Gain advanced literary criticism and analytical skills.

- Conduct independent research on classical, modern, and postcolonial texts.
- Develop critical thinking, interpretation, and scholarly writing abilities.
- Prepare for careers in teaching, academic research, publishing, and cultural organizations.
- Build a strong foundation for international research collaboration and post-doctoral studies.

Program Objectives

- Provide advanced knowledge of English literature across multiple genres and periods.
- Equip students with research methodology and analytical skills for academic and professional excellence.
- Develop critical thinking, scholarly writing, and independent research capabilities.
- Prepare graduates for leadership roles in academia, publishing, and literary consultancy.

Practical training, internships & research exposure:

- Conduct in-depth literature reviews and textual analysis using classical and contemporary methods.
- Participate in workshops on research methodology, academic writing, and thesis development.
- Engage in publication-focused projects to contribute to journals, conferences, and literary forums.
- Work under supervision to design and execute

- independent research projects and dissertations.
- Explore practical applications of literary theory in teaching, media, and cultural consultancy.

Career Scope & Opportunities:

Graduates of the PhD English Literature program can pursue diverse career paths:

- University or college lecturer/professor in English literature
- Academic researcher or literary scholar
- Author, editor, or critic for journals, newspapers, and publishing houses
- Roles in media, cultural organizations, and literary consultancy
- Opportunities for international research collaboration and post-doctoral studies

This program prepares students to become influential scholars and thought leaders in the field of English literature.

PhD English Literature Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
ELL-901	South Asian Literature	3(3-0)
ELL-902	Psychoanalytic Literary Criticism	3(3-0)
ELL-903	Logic and Critical Thinking	3(3-0)
Credit Hours		09

Semester II

Course Code	Course Title	Credit Hours
ELL-911	Advanced Postmodern Literature	3(3-0)
ELL-912	The Romantic Aesthetics	3(3-0)
ELL-913	Rhetoric and Persuasion	3(3-0)
Credit Hours		09

Semester III & Semester IV

Course Code	Course Title	Credit Hours
THE-921	Research Work & Thesis of 36 Credit Hours	36(0-36)

Total Credit Hours: 24

Frequently Asked Questions (FAQs)

1. What is PhD English Literature?

It is a doctoral research program for MS/MPhil graduates focusing on advanced literary studies, critical analysis, and research.

2. Who can apply for PhD English Literature admissions?

MS/MPhil graduates in English with a minimum 3.0 CGPA and a qualifying test score are eligible.

3. How long is the PhD English Literature program?

The program lasts 3 years, including coursework and research.

4. What jobs can I get after PhD English Literature?

Graduates can work as lecturers, researchers, writers, editors, or in media and cultural organizations.

5. What skills will I learn in PhD English Literature?

You will gain advanced literary research, critical thinking, textual analysis, scholarly writing, and independent research skills.



Department of Urdu

Vision

This curriculum has been designed with the vision to enhance students' literary taste, research orientation, and literary knowledge, so that they may contribute significantly to the promotion of Urdu language and literature in the future.

Mission

The mission of the Urdu Department is to promote the intellectual and mental development of students and researchers while promoting a deep interest in the study of Urdu language and literature. By nurturing a strong culture of research, the department aims to equip graduates with the skills and knowledge necessary to meet national needs, particularly in the field of Urdu, and to enable meaningful participation in research initiatives at the global level.



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MPhil Urdu

Department of Urdu

Short Title: MPUR

Study Level: Postgraduate

Duration: 4 semesters (2 years)

Credit Hours: 36

Eligibility: 16 Years of Education, BS/MA or Equivalent degree from HEC recognized university with minimum 2.45/4.00 CGPA in semester system or 50% marks in annual system. A Graduate Record Examination (GRE) test administered by the Education Testing Service, or a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF, is mandatory to pass.

Introduction

The MPhil Urdu program at The University of Faisalabad (TUF) is a 2-year postgraduate program designed for students who want to deepen their knowledge of Urdu language, literature, and linguistic research. This program emphasizes critical analysis, scholarly writing, and independent research, preparing students to explore Urdu literature comprehensively and apply their skills in academic, cultural, and professional settings.

Why Choose MPhil Urdu?

This program is ideal for students passionate about Urdu and its rich literary tradition:

- Develop advanced research and analytical skills in Urdu literature.
- Study classical and modern Urdu literary works with critical insight.

- Engage in independent research, critical thinking, and thesis writing.
- Gain practical experience in linguistic analysis and literary evaluation.
- Prepare for careers in teaching, media, publishing, and higher academic research

Program Objectives

- Provide advanced knowledge of Urdu language, literature, and linguistics.
- Equip students with skills in research methodology, thesis writing, and literary criticism.
- Foster independent study, analytical thinking, and scholarly communication.
- Prepare graduates for leadership roles in education, media, publishing, and cultural projects.

Practical training, internships & research exposure:

- Conduct in-depth literary and linguistic research in Urdu.
- Develop thesis writing skills under expert supervision.
- Learn research methodology, textual analysis, and critical evaluation techniques.
- Participate in workshops and seminars for practical exposure to literary research.
- Gain hands-on experience in editing, translation, and publication of literary works.

Career Scope & Opportunities:

Graduates of MPhil Urdu can pursue a wide range of professional opportunities:

- Teaching in schools, colleges, and universities
- Writing, editing, and content creation for media
- Literary review, translation, and publication of Urdu works
- Participation in cultural and educational projects
- Advanced research or PhD studies in Urdu language and literature

This program equips students with a strong foundation in research, literary analysis, and scholarly communication, preparing them for both academic and professional success.

MPhil Urdu Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
Urdu-701	Usool Tehqeeq-o-Tadveen	03
Urdu-702	Jadid Tanqeed	03
Urdu-703	Lisaniat	03
Urdu-709	Sameii Aur Basri Zara-e-Iblagh(Elective)	03
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
Urdu-705	Urdu Main Tahqeeq-e-Tadveen Kay Misali Namoonay	03
Urdu-704	Tarjuma:Asool-o-Masaail	03
Urdu-708	Iqbaliat	03
Urdu-720	Maqala Nagari kay Asool+ Seminar	03
Credit Hours		12

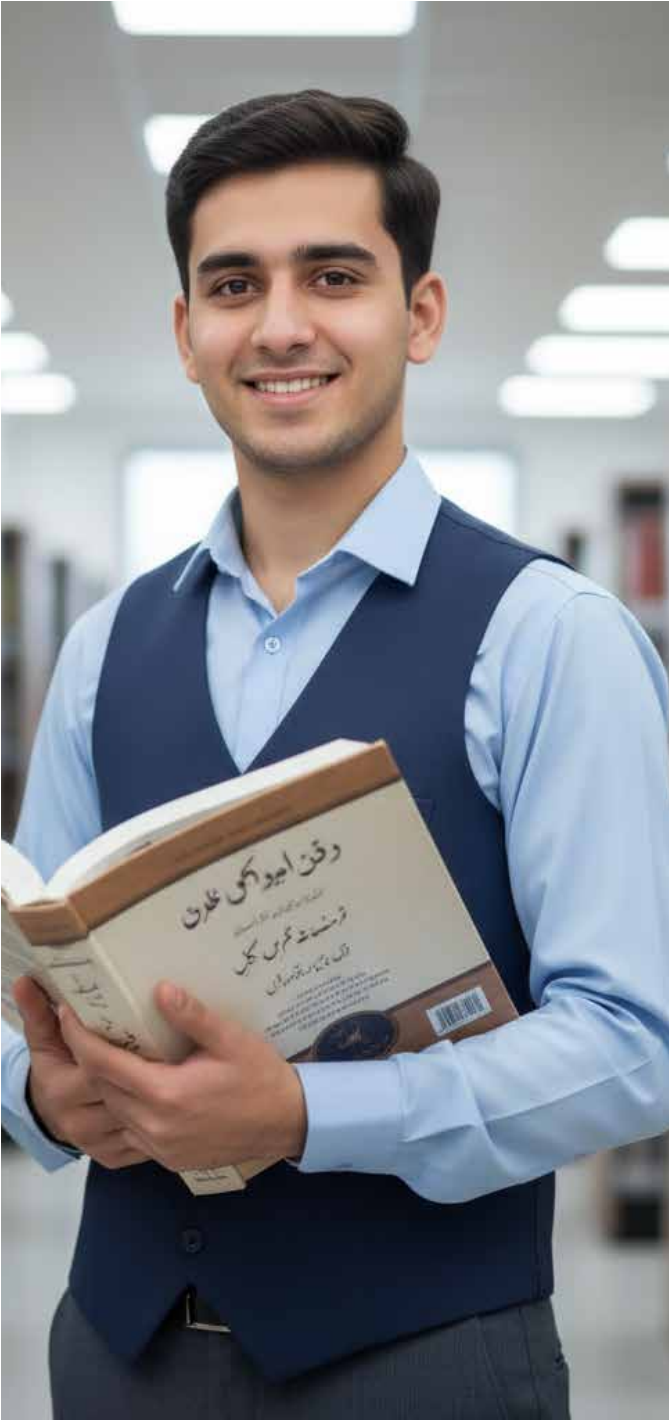
Semester-III		
Course Code	Course Title	Credit Hours
-	Thesis	06
Credit Hours		36

Frequently Asked Questions (FAQs)

1. What is MPhil Urdu?

It is a 2-year postgraduate program focusing on advanced study, research, and analysis of Urdu language and literature.

2. Who can apply for MPhil Urdu?
- Students with an MA or equivalent degree in Urdu or related fields with the required CGPA/marks.
3. How long is the MPhil Urdu program?
- The program lasts approximately 2 years, including coursework and thesis research.
4. What career options are available after MPhil Urdu?
- Graduates can work in teaching, media, publishing, cultural projects, and research.
5. Does the program include research training?
- Yes, it emphasizes linguistic research, critical literary analysis, and thesis writing.



PhD Urdu

Department of Urdu

Short Title: PhDUR
Study Level: Postgraduate
Duration: 4 semesters (2 years)
Credit Hours: 24

Eligibility:18 Years of Education, MS/MPhil or Equivalent degree from a HEC-recognized university with a minimum 3.00 CGPA in the semester system or 70% marks in the annual system. A Graduate Record Examination (GRE) test administered by the Education Testing Service, or a graduate admission test administered by the Education Testing Council, or an equivalent TUF test developed by TUF, is mandatory to pass.

Introduction

The PhD Urdu program at The University of Faisalabad (TUF) is a full-time research degree designed for students who wish to study Urdu language, literature, and culture at the highest level. This program enables learners to explore modern writing styles, classical texts, cultural studies, and advanced research techniques. It prepares scholars to contribute meaningfully to Urdu studies both in Pakistan and internationally.

Why Choose PhD Urdu?

- This program offers students the opportunity to develop as confident researchers and literary scholars:
- Work closely with expert faculty and researchers in Urdu studies.
 - Gain advanced skills in research writing, critical analysis, and literary interpretation.

- Study modern and classical Urdu literature, cultural discussions, and linguistic development.
- Access modern study resources, libraries, and a supportive academic environment.
- Prepare for careers in teaching, research, media, and literary fields.

Program Objectives

- Develop advanced expertise in Urdu literature, language, and culture.
- Equip students with professional research, thesis writing, and critical thinking skills.
- Promote independent study and the ability to produce original academic research.
- Prepare graduates for leadership roles in academia, media, and research institutions.

Practical training, internships & research exposure:

- Conduct original research in Urdu literature, linguistics, and cultural studies.
- Develop thesis writing skills under the guidance of experienced supervisors.
- Learn research methodology, textual analysis, and literary criticism techniques.
- Participate in seminars, workshops, and conferences to gain practical exposure.
- Engage in publication opportunities for articles, research papers, and reviews.

Career Scope & Opportunities:

Graduates of the PhD Urdu program have diverse and rewarding career options:

- Lecturer or Professor in schools, colleges, and universities
- Researcher in Urdu studies or cultural institutions
- Writer, author, reviewer, or editor for print and digital media
- News anchor, scriptwriter, or content developer in media organizations
- Consultant or advisor in cultural, educational, and literary projects

This program equips graduates with the advanced knowledge and research skills needed to influence Urdu studies academically, culturally, and professionally.

PhD Urdu
Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
URD-801	Tahqeeq kay Aalmi Rujhanaat Aor Urdu Mein Un Ka Istemaal	3(3-0)
URD-802	Fikri Mubahis: Urdu Adab Per In Kay Asraat	3(3-0)
URD-803	Jadid Tanqeed	2(2-0)
URD-807	Seminar General	1(1-0)
Credit Hours		12

Semester II		
Course Code	Course Title	Credit Hours
URD-804	Tehqeeqi Mayar Kay Masaail	3(3-0)
URD-805	Mayari Tadveen Kay Misali Namoonay	3(3-0)
URD-806	Urdu Kay Lisani-o-Saqaafti Mubahis	2(2-0)
URD-820	Seminar Research	1(1-0)
Credit Hours		09

Semester-III		
Course Code	Course Title	Credit Hours
-	Thesis	06
Credit Hours		36

Frequently Asked Questions (FAQs)

1. What is PhD Urdu?

It is a doctoral research degree that develops advanced expertise in Urdu language, literature, and cultural studies.

2. Who can apply for PhD Urdu?

Students with an MS or MPhil in Urdu or a related subject with the required academic record.

3. How long does the PhD Urdu program take?

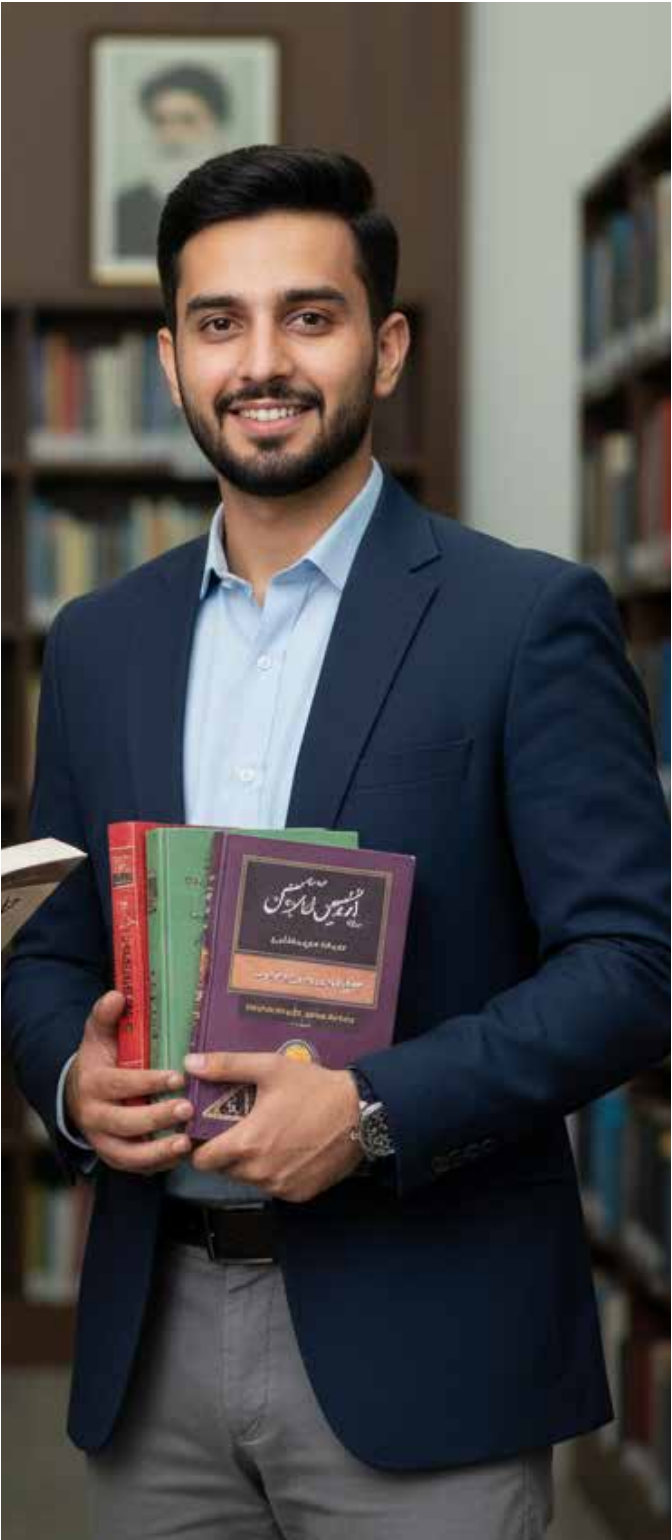
The program is typically completed in about 3 years, including research and thesis submission.

4. What career options are available after PhD Urdu?

Graduates can work in teaching, research, writing, media, and cultural institutions.

5. Is an entry test required for PhD Urdu?

Yes, applicants must pass GAT, GRE, or TUF's own admission test.



Department of Education

Vision

To achieve the position of a leading department with excellence through critical thinking and quality research. To provide conducive environment for learning to our students so that they may be able to face future challenges in teaching and learning with focus on Islamic/ ethical values to bring love, patriotism and services to humanity.

Mission

To promote quality teaching through proficient pedagogies, managerial expertise, and competencies in research by producing experts in the field of teaching and learning, research innovation and collaboration at national and international levels.



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MPhil Education

Department of Education

Short Title: MPED

Study Level: Postgraduate

Duration: 4 semesters (2 years)

Credit Hours: 32

Eligibility: 16 Years of Education in relevant field, BS (4 Years) /M.A (2 Years)/M.Ed in Education or BS or in equivalent field.-Min CGPA 2.5 /4.0, or minimum marks 50% marks in annual system.-GAT/HAT General/TUF Entry Test with minimum 50% score.-Students from equivalent fields (interdisciplinary qualification) will enroll 6-9 credit hours (CH) of deficiency courses of level 6.

Introduction

The MPhil in Education is a research-driven graduate program fostering advanced expertise in educational theory, research methods, and practice. It equips scholars with qualitative, quantitative, and mixed-methods skills to tackle challenges like policy, quality, access, and equitable teaching. Faculty mentorship tailored coursework to specializations, culminating in original thesis research with real-world impact. Graduates become reflective leaders for academia, administration, and policy, driving global educational progress.

Why Choose MPhil Education ?

The University of Faisalabad offers excellence in teaching, research, and modern educational technologies. It

provides a dynamic learning environment with qualified faculty and updated curricula. Students gain strong analytical, research, and professional skills through innovative pedagogies. The university promotes Islamic and ethical values, fostering leadership and social responsibility. It prepares graduates to meet national and global challenges with confidence and competence.

Program Objectives

To enable students to:

- Equip graduates with advanced skills in educational research methodologies to conduct original studies addressing real-world challenges.
- Enable graduates to apply theoretical knowledge to design innovative teaching, learning, and policy strategies.
- Enable graduates to apply theoretical knowledge to design innovative teaching, learning, and policy strategies.
- Cultivate graduates' ability to lead with ethical principles, equity, and inclusivity in diverse educational contexts.
- Empower graduates to adapt to evolving educational trends and contribute to the advancement of education at local, national, and global levels.

Career Scope and Opportunities

Educational administrators in schools and colleges, University lecturers or researchers, Policy analysts in government or NGOs, Curriculum developers, teacher

trainers, educational consultants, contributors to national education reforms and quality enhancement, international education consultants, researchers in prestigious universities, Policy advisors for organizations like UNESCO, Roles in educational technology firms, and Leadership positions in international schools.

MPhil Education Scheme of Studies

Semester I & II

Course Code	Course Title	Credit Hours
EDU-701	Advanced Research Methods	3(3-0)
EDU-702	Instrument Development	3(3-0)
EDU-703	Data Analysis	3(3-0)
EDU-704	Research Grant Writing and Proposal Development	3(3-0)
ISL-105/ETH-103	Understanding of Quran I/ Ethics I	1 (0-1)
EDU-705	Educational Leadership and Institutional Change	3(3-0)
EDU-706	Organizational Behavior in Education	3(3-0)
EDU-707	Educational Policies and Plans of Pakistan	3(3-0)
EDU-708	Educational Leadership and Innovation for Sustainability	3(3-0)
ISL-106/ETH-104	Understanding of Quran II/ Ethics II	1 (0-1)
Credit Hours		26

Semester III & IV

Course Code	Course Title	Credit Hours
GEN-720	Thesis	6(0-6)
Credit Hours		32

Frequently Asked Questions (FAQs)

1. What is MPhil Education?

It is a research-based postgraduate program focusing on teaching, learning, educational leadership, and academic research.

2. What is the scope of MPhil Education?

Graduates can pursue careers as university lecturers, researchers, educational consultants, or policy advisors in Pakistan and internationally.

3. Who is eligible for MPhil Education at TUF?

Candidates must have a 16-year degree (BS/MA/M.Ed) or equivalent with at least 50% marks.

4. How long does the program take?

The program spans 2 years, divided into 4 semesters with coursework and a research thesis.

5. Does the program include research training?

Yes, the program provides in-depth training in educational research planning, data analysis, thesis writing, and research publication.





PhD Education

Department of Education

Short Title: MPED
Study Level: Postgraduate
Duration: 6 Semesters (3 years)
Credit Hours: 27
Eligibility: 18 Years of Education, MPhil (with research) in Education from HEC recognized university with minimum 3.00/4.00 CGPA in semester system or 60% marks in annual system. GRE Subject Test with minimum 60% score is mandatory. TUF may also conduct Subject test for admission in PhD program with passing score 60%., Interview.

Introduction

The PhD in Education program prepares educators, leaders, researchers, and policymakers through advanced training in qualitative and quantitative research. It integrates theory and practice, enabling scholars to explore philosophical foundations while addressing real-world educational challenges through innovative approaches. With a focus on STEAM education, the program promotes interdisciplinary thinking and equips scholars to develop creative, evidence-based solutions. Aligned with the vision of The University of Faisalabad, it fosters research excellence, innovation, and service to humanity, while emphasizing Islamic and ethical values to support national and global educational development.

Why Choose PhD Education ?

The University of Faisalabad offers excellence in teaching,
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research, and modern educational technologies. It provides a dynamic learning environment with qualified faculty and updated curricula. Students gain strong analytical, research, and professional skills through innovative pedagogies. The university promotes Islamic and ethical values, fostering leadership and social responsibility. It prepares graduates to meet national and global challenges with confidence and competence.

Program Objectives

To enable scholars to:

- Develop expertise in qualitative, quantitative, and STEAM-based research methodologies, supported by computer and statistical tools for advanced inquiry.
- Foster deep understanding of educational theories, historical perspectives, and contemporary issues, with a focus on Pakistan's educational context.
- Equip scholars with skills in curriculum development, assessment, and evaluation to enhance the quality and relevance of education.
- Prepare graduates for leadership, management, and policymaking roles, integrating HRM practices and ethical decision-making in educational institutions
- Promote critical engagement with the relationship between education and society, encouraging innovation, service to humanity, and contributions to national and global development

Career Scope and Opportunities

PhD graduates in Education have many opportunities available to them, both nationally and internationally, in various public and private departments, organizations, and institutions. Here are some examples:

- University Professor/Lecturer
- Researcher
- Educational Leaders
- Curriculum Developers
- Education Policy Analyst
- Education Consultant/Advisor in National and International NGOs

PhD Education Scheme of Studies

Semester I & II		
Course Code	Course Title	Credit Hours
EDU-801	Philosophical Paradigms of Education	3(3-0)
EDU-817	Advanced Research Trends in Education	3(3-0)
EDU-803	Contemporary Trends in Education	3(3-0)
ISL-105/ETH-103	Understanding of Quran I/Ethics I	1 (1-0)
EDU-818	Technology for Teacher Development	3(3-0)
ISL-106/ETH-104	Understanding of Quran II/Ethics II	1 (1-0)
EDU-80X	Elective I	3(3-0)
EDU-80X	Elective II	3(3-0)
EDU-819	Seminar	1(1-0)
ISL-106/ETH-104	Understanding of Quran II/ Ethics II	1 (0-1)
Credit Hours		21

Semester III & IV, V, & VI		
Course Code	Course Title	Credit Hours
Semester III	Comprehensive Exam	-
EDU-820	Thesis	6(0-6)
Credit Hours		27

List of Elective Courses		
Course Code	Course Title	Credit Hours
EDU-805	Advanced Instrument Development and Data Analysis Techniques	3(3-0)
EDU-806	Applied Multiple Regression Analysis	3(3-0)
EDU-812	Comparative Education	3(3-0)
EDU-813	Theories and Models of Curriculum Development	3(3-0)
EDU-814	Advanced Educational Psychology	3(3-0)
EDU-815	Teacher Education	3(3-0)
EDU-816	Advanced Educational Assessment and Evaluation Procedure	3(3-0)

Frequently Asked Questions (FAQs)

- 1. What is PhD in Education?**
A research-oriented doctoral program that builds advanced knowledge in education theory, policy, curriculum development, and teaching methodologies.
- 2. Who can apply for the PhD Education program at TUF?**
MS/MPhil graduates in Education or related fields with strong academic records and research experience.
- 3. Does the program cover advanced research methods?**
Yes, students gain in-depth training in qualitative, quantitative, and mixed-method research techniques.
- 4. How long does the PhD in Education take?**
Typically 3-4 years, including coursework, research, and dissertation submission.
- 5. What career opportunities are available after completing this program?**
Graduates can work as university faculty, education researchers, policy advisors, curriculum developers, or academic leaders.



Faculty of Law

The Department of Law at The University of Faisalabad is dedicated to nurturing legal minds equipped with comprehensive knowledge of legal principles and practices. We foster critical thinking, advocacy skills, and ethical reasoning to prepare students for successful careers in law. Our curriculum blends theoretical foundations with practical training, offering exposure to real-world legal challenges.

Programs Offered

Department of Law

- Bachelor of Laws (LLB)
- Master of Laws (LLM)



At The University of Faisalabad, education is the foundation for lifelong learning, innovation, and meaningful contribution to society. We provide a dynamic learning environment where academic excellence is enriched through practical experience, mentorship, and purpose-driven education.

Our dedicated faculty empowers students with the knowledge, confidence, critical thinking, and ethical values needed to excel in higher education, professional careers, and entrepreneurship. Committed to nurturing future leaders and innovators, TUF prepares graduates to make a positive impact on their communities and beyond. We invite you to join a vibrant academic community where integrity, leadership, and lifelong learning inspire success and shape brighter futures.

Muhammad Abdul Rafique

Head, Department of Law

Vision

The vision of the Faculty of Law, TUF is to become a renowned faculty on National level imparting high standards of quality legal education to the aspirant lawyers and judges, and to be recognized as a leading research oriented law faculty on international level.

Mission

The Faculty of Law at The University of Faisalabad is committed to providing quality legal education that prepares graduates to excel in the legal profession, academia, and public service. We promote research that strengthens the rule of law and protects human rights while adopting innovative teaching methods aligned with international standards of legal education.



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<https://tuf.edu.pk/n/departments-details/departments-of-mathematics>

Bachelor of Laws

Department of Law

Short Title: LLB

Study Level: Undergraduate

Duration: 10 Semesters (5 Years)

Credit Hours: 171

Eligibility:

- The candidate must have passed F.sc / I.Com / ICS or any equivalent qualification with at least 45% marks.
- The candidate must have passed the LAT, conducted by the Higher Education Commission (HEC), as required by the Pakistan Bar Council for LLB admissions.

Introduction

The LLB at TUF is a five-year undergraduate degree that builds the foundation for a career in justice and advocacy. This program blends the study of legal theories with the practical art of litigation and legal drafting. It is designed for students who are passionate about defending human rights, interpreting the law, and maintaining the rule of justice in society.

Why Choose Bachelor of Laws?

Choosing this program at TUF provides a professional environment where you learn to argue, research, and win legal cases.

- Comprehensive curriculum covering Civil, Criminal, and Corporate laws.
- Regular practice in Moot Courts to build real

courtroom confidence.

- Guidance from seasoned lawyers and retired judicial officers.
- Focus on Alternative Dispute Resolution (ADR) and negotiation skills.
- Specialized workshops on legal ethics and professional conduct.

Program Objectives

- Mastering the ability to interpret and apply national and international laws.
- Developing sharp critical thinking to analyze complex legal cases.
- Improving public speaking and advocacy skills for courtroom success.
- Learning the art of legal drafting for contracts, deeds, and petitions.
- Building a strong ethical foundation to serve society and fight injustice.

Career Scope and Opportunities

A Bachelor of Laws opens up a variety of career paths in the legal and judicial sectors. Graduates can work as:

- Advocate in Civil, Criminal, or Corporate Courts
- Judicial Officer (Civil Judge or Magistrate)
- Legal Advisor for Banks and Multinational Companies
- Public Prosecutor or Government Legal Consultant
- Human Rights Activist or NGO Legal Lead
- Legal Journalist or Academic Researcher

Practical training, internships & research exposure:

Students gain hands-on experience through:

- Participating in mock trials to practice cross-examination techniques.
- Gaining real-world experience through internships at top law firms.
- Visiting High Courts and District Courts to observe live proceedings.
- Working on research projects related to constitutional and labor laws.

Bachelor of Laws Scheme of Studies

Semester I		
Course Code	Course Title	Credit Hours
GEC-6104	Creative Arts	2 (2-0)
GEC-6105	Islamic Studies/Ethics	2 (2-0)
GEC-6101	Functional English	3 (3-0)
GEC-6116	Legal History of South Asia	3 (3-0)
IDAC-6202	Fundamentals of Economics (A)	3 (3-0)
LLB-6301	Introduction to Law	3 (3-0)
NNC-6401	Teachings of the Holy Quran with Translation-I	1 (1-0) N.C
Credit Hours		16

Semester II		
Course Code	Course Title	Credit Hours
GEC-6103	Expository Writing	3 (3-0)
GEC-6108	Ideology & Constitution of Pakistan	2 (2-0)
GEC-6102	Application of Information Communication Technologies (ICT)	3 (2-1)
IDAC-6202	Legal System of Pakistan (A)	3 (3-0)
LLB- 6302	Law of Torts-I	3 (3-0)
LLB- 6303	Law of Contract-I	3 (3-0)
NNC-6402	Teachings of the Holy Quran with Translation-II	1 (1-0) N.C
Credit Hours		17

Semester-III		
Course Code	Course Title	Credit Hours
GEC- 6114	Introduction to Logic & Legal Reasoning	3 (3-0)
GEC- 6115	Legal Writing Skills	3 (3-0)
IDAC-6203	Introduction to Psychology(A)	2 (2-0)
LLB- 6304	Islamic Jurisprudence-I	3 (3-0)
LLB-6305	Law of Contract-II	3 (3-0)
LLB-6306	Constitutional Law-I (UK)	3 (3-0)
NNC-6403	Teachings of the Holy Quran with Translation-III or Ethics	1 (1-0) N.C
Credit Hours		17

Semester IV		
Course Code	Course Title	Credit Hours
GEC-6109	Environmental Science/Studies	3 (2-1)
GEC- 6110	Civics & Community Engagement Program (CE)	2 (2-0)
GEC-6111	Entrepreneurship	2 (2-0)
LLB- 6307	Constitutional Law-II (US)	3 (3-0)
LLB- 6308	Law of Torts-II	3 (3-0)
LLB- 6309	Islamic Jurisprudence-II	3 (3-0)
NNC-6404	Teachings of the Holy Quran with Translation-IV	1 (1-0) N.C
Credit Hours		16

Semester V		
Course Code	Course Title	Credit Hours
LLB- 6310	Jurisprudence-I	3 (3-0)
LLB- 6311	Constitutional Law-III (Constitution of Pakistan)	3 (3-0)
LLB- 6312	Public International Law-I	3 (3-0)
LLB- 6313	Criminal Law-I	3 (3-0)
LLB- 6314	Moot Cases and Role Play	3 (3-0)
LLB- 6315	Equity and Specific Relief	3 (3-0)
Credit Hours		18

Semester VI		
Course Code	Course Title	Credit Hours
IDAC-6204	Human Rights (A)	3 (3-0)
LLB- 6316	Law of Business Organizations	3 (3-0)
LLB- 6317	Public International Law-II	3 (3-0)
LLB- 6318	Criminal Law-II	3 (3-0)
LLB- 6319	Land Laws	3 (3-0)
LLB- 6320	Jurisprudence-II	3 (3-0)
Credit Hours		18

Semester VII		
Course Code	Course Title	Credit Hours
LLB- 6321	Islamic Personal Law-I	3 (3-0)
LLB- 6322	Civil Procedure-I	3 (3-0)
LLB-6323	Criminal Procedure-I	3 (3-0)
LLB- 6324	Law of Evidence-I	3 (3-0)
LLB- 6325	Legal Drafting-I	3 (3-0)
LLB- 6326	Law of Property	3 (3-0)
Credit Hours		18

Semester VIII		
Course Code	Course Title	Credit Hours
LLB- 6327	Legal Research & Writing Methods	3 (3-0)
LLB- 6328	Civil Procedure-II	3 (3-0)
LLB- 6329	Criminal Procedure-II	3 (3-0)
LLB- 6330	Law of Evidence-II	3 (3-0)
LLB- 6331	Legal Drafting-II	3 (3-0)
LLB- 6332	Islamic Personal Law-II	3 (3-0)
Credit Hours		18

Summer Semester after VIII semester		
Course Code	Course Title	Credit Hours
LLB-6501	Internship/Participation in Law Clinics	3 (3-0)
Credit Hours		03

Semester IX		
Course Code	Course Title	Credit Hours
LLB- 6333	Minor Acts	3 (3-0)
LLB- 6334	Medical Jurisprudence	3 (3-0)
LLB- 6335	Alternate Dispute Resolution (ADR)	3 (3-0)
LLB-XXX	Elective-I	3 (3-0)
LLB-XXX	Elective-II	3 (3-0)
Credit Hours		15

Semester X		
Course Code	Course Title	Credit Hours
LLB- 6336	Administrative Law	3 (3-0)
LLB- 6337	Interpretation of Statutes & Legislative Drafting	3 (3-0)
LLB- 6601	Capstone Project	3 (3-0)
LLB-XXX	Elective-III	3 (3-0)
LLB-XXX	Elective-IV	3 (3-0)
Credit Hours		15
Total Credit Hours		171

Summary		
Course Code	Course Title	Credit Hours
-	General Education Courses (GEC)	30
-	Major Courses	129
-	Allied Courses	12
Total Credit Hours		171

List of Elective Courses to be selected in Semester-IX and X		
Course Code	Course Title	Credit Hours
LLB-6338	Banking Laws	3 (3-0)
LLB-6339	Conflict of Laws	3 (3-0)
LLB-6340	Consumer Protection Laws	3 (3-0)
LLB-6341	Custom and Tariff Laws	3 (3-0)
LLB-6342	E-Commerce Law	3 (3-0)
LLB-6343	Election Laws	3 (3-0)
LLB-6344	Environmental Laws	3 (3-0)
LLB-6345	Gender and Laws	3 (3-0)
LLB-6346	Insurance Laws	3 (3-0)
LLB-6347	Intellectual Property Laws	3 (3-0)
LLB-6348	International Economics Law	3 (3-0)
LLB-6349	International Humanitarian Law	3 (3-0)
LLB-6350	International Trade Law	3 (3-0)
LLB-6351	International commercial Law	3 (3-0)
LLB-6352	Labour Laws	3 (3-0)
LLB-6353	Land Laws	3 (3-0)
LLB-6354	Law and Developments	3 (3-0)
LLB-6355	Law and Energy	3 (3-0)
LLB-6356	Local and Special Laws	3 (3-0)

List of Elective Courses to be selected in Semester-IX and X		
LLB-6357	Media Laws	3 (3-0)
LLB-6358	Medical and Forensic Laws	3 (3-0)
LLB-6359	Mergers and Acquisitions	3 (3-0)
LLB-6360	Minor Acts	3 (3-0)
LLB-6361	Islamic Legal Maxims	3 (3-0)
LLB-6362	Public Interest Litigation	3 (3-0)
LLB-6363	Securities Regulations	3 (3-0)
LLB-6364	Shipping and Admiralty Laws	3 (3-0)
LLB-6365	Taxation Laws	3 (3-0)
LLB-6366	Telecommunication Laws	3 (3-0)
LLB-6367	Civil Service Laws in Pakistan	3 (3-0)
LLB-6368	Cyber Laws	3 (3-0)
LLB-6369	Competition Laws	3 (3-0)
LLB-6370	Medical Law & Ethics	3 (3-0)
LLB-6371	Healthcare Regulations	3 (3-0)
LLB-6372	Mental Health Laws	3 (3-0)

Frequently Asked Questions (FAQs)

- 1. What is the Bachelor of Laws program at TUF?**

It is a four-year undergraduate program that trains students in law, legal skills and professional practice.
- 2. What are the eligibility requirements for the LLB program?**

Candidates need at least 45% marks in intermediate and must pass the LAT test and an interview.
- 3. How long does it take to complete the Bachelor of Laws?**

The program takes four years to complete, spread over eight semesters.
- 4. What career opportunities are available after LLB?**

Graduates can become lawyers, legal consultants, work in courts, corporate sectors or human rights organizations.
- 5. Is practical experience included in the LLB program?**

Yes, students gain hands-on experience through internships and moot court activities.

Master of Laws

Department of Law

Short Title: LLM

Study Level: Postgraduate

Duration: 4 Semesters (2 Years)

Credit Hours: 30

Eligibility: LL.B degree from Pakistan Bar Council (PBC) / HEC recognized university/institute with minimum CGPA of 2.00/4.00 or 45% marks where CGPA is not given. The candidate must secure 50% marks in the entry test.

Introduction

The LLM at TUF is a prestigious two-year postgraduate degree designed for lawyers who want to specialize in complex legal fields. This program moves beyond basic practice to focus on advanced legal research, international law, and policy-making. It is the ideal choice for legal professionals aiming for senior positions in the judiciary, corporate consultancy, or academic research.

Why Choose Master of Laws?

Choosing this master's program at TUF provides a scholarly environment where you can master specific legal domains and global regulations.

- Flexible specialization tracks in Corporate, Human Rights, and International Law.
- Mentorship from high-ranking legal scholars and expert practitioners.
- Strong focus on Legal Drafting for international treaties and corporate contracts.

- Access to advanced research seminars that discuss current constitutional changes.
- Opportunity to build a professional network with senior legal experts.

Program Objectives

- Developing a deep understanding of complex legal doctrines and global systems.
- Mastering the skills to conduct independent research on emerging legal issues.
- Analyzing the impact of socio-political structures on national law-making.
- Building the expertise to provide legal solutions for international disputes.
- Enhancing critical thinking to critique and improve existing legal frameworks.

Career Scope and Opportunities

Completing the Master of Laws opens up many career opportunities, including:

- Senior Corporate Legal Consultant
- Judicial Officer (Higher Judiciary)
- Policy Advisor for Government and NGOs
- Legal Researcher in International Organizations
- University Professor or Law Researcher
- Legislative Drafter for Regulatory Bodies

Practical training, internships & research exposure:

- Writing a mandatory high-level research thesis on a specialized legal topic.
- Participating in seminars on digital law, intellectual property, and human rights.
- Analyzing real-world global court cases to understand international trial patterns.
- Conducting workshops on the latest amendments in local and international laws.

Master of Laws

Scheme of Studies

Semester I

Course Code	Course Title	Credit Hours
LLM-7101	Research Methodology	3 (3-0)
LLM-7102	Comparative Human Rights Law	3 (3-0)
LLM-7103	Cyber Crime and Digital Forensics	3 (3-0)
LLM-72XY	Elective Course	3 (3-0)
Credit Hours		12

Semester II

Course Code	Course Title	Credit Hours
LLM-7104	Law of International Institutions	3 (3-0)
LLM-7105	Administrative Law	3 (3-0)
LLM-7106	International Humanitarian Law	3 (3-0)
LLM-72XY	Elective Course	3 (3-0)
Credit Hours		12

Semester-III & IV

Course Code	Course Title	Credit Hours
LLM-7301	Research Thesis	6 (0-6)
Credit Hours		30

Semester-III & IV

Course Code	Course Title	Credit Hours
LLM-7201	Alternate Dispute Resolution	3 (3-0)
LLM-7202	Banking Law	3 (3-0)
LLM-7203	Commercial / Business Laws	3 (3-0)
LLM-7204	Company / Corporate Law	3 (3-0)
LLM-7205	Comparative Constitutional Law	3 (3-0)
LLM-7206	Comparative Environmental Law	3 (3-0)
LLM-7207	Comparative Study of Islamic and Western Jurisprudence	3 (3-0)
LLM-7208	Constitutional Law of Pakistan	3 (3-0)
LLM-7209	Criminology	3 (3-0)
LLM-7210	Intellectual Property Laws	3 (3-0)
LLM-7211	International Economic Law	3 (3-0)
LLM-7212	International Trade Law	3 (3-0)

Semester-III & IV

LLM-7213	Islamic Laws	3 (3-0)
LLM-7214	Labor Laws	3 (3-0)
LLM-7215	Law and Politics	3 (3-0)
LLM-7216	Law and Society in South Asia	3 (3-0)
LLM-7217	Law of Evidence	3 (3-0)
LLM-7218	Law of Taxation	3 (3-0)
LLM-7219	Legal History of Pakistan and India	3 (3-0)
LLM-7220	Shipping Laws	3 (3-0)
LLM-7221	Western Jurisprudence and Legal Theory	3 (3-0)
LLM-7222	Islamic International Law/ Siyar	3 (3-0)
LLM-7223	Mergers and Acquisitions	3 (3-0)
LLM-7224	Medical and Forensic Laws/ Medical Law and Ethics	3 (3-0)
LLM-7225	Healthcare Regulations/ Mental Health Laws	3 (3-0)
LLM-7226	Legislative Drafting	3 (3-0)
LLM-7227	Parliamentary Studies (Values & Ethics)	3 (3-0)

Frequently Asked Questions (FAQs)

1. What is the Master of Laws program at TUF?

It is a two-year Master of Laws (LLM) program that helps law graduates gain advanced legal knowledge and research skills.

2. Who can apply for the Master of Laws?

Students with an LL.B degree from a recognized university and who pass TUF's test and interview can apply.

3. Can I study human rights and international law?

Yes, students can specialize in areas like human rights and international law studies through electives.

4. What jobs can I get after the Master of Laws?

Graduates can work in law firms, government, NGOs, corporate legal departments or teach and do research.

5. Is this program good for further studies?

Yes, this postgraduate law program prepares students for PhD studies or academic and research careers.

TUF
Events

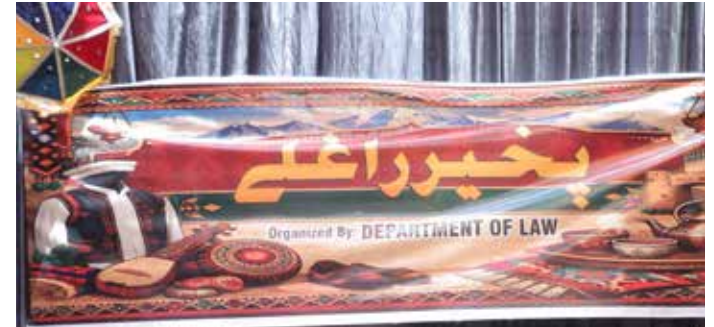
1. Convocation
2. Career Link
3. STEAM
4. Alumni Meet
5. Delegations Visit
6. ICDS
7. HAWVA
8. Pehchan
9. Art Fiesta
10. Sports Gala
11. Health days





Glimpses





SEMESTER RULES AND REGULATIONS

PREAMBLE

Welcome to the Faculty of Pharmaceutical Sciences at The University of Faisalabad, where innovation meets excellence. Our cutting-edge programs and research facilities foster a deep understanding of pharmaceutical sciences, equipping students with the knowledge and skills to excel in drug development, clinical practices, and health solutions. Join us in shaping the future of healthcare.

SHORT TITLE AND COMMENCEMENT

The Regulations described hereunder shall be called The University of Faisalabad Semester Regulations, 2018 and shall come into force for all the enrolled students of the University at once. These Regulations are amendable from time to time with the approval of the Academic Council as and when required.

DEFINITIONS

In these Regulations unless the subject or context otherwise requires, the following expressions shall have the meanings hereby respectively assigned to them, that is to say:

- a. "Department" means a teaching and research Department maintained and administered by the University;
- b. "Academic Year" means a period of 365 days. Academic year shall have normally two semesters namely; Fall and Spring;
- c. "Semester" means duration of sixteen to eighteen weeks of teaching, conduct of examination;
- d. "Authority" means any of the Authorities of the University specified in The University of Faisalabad Ordinance;
- e. "Credit Hour" means one hour student-teacher classroom contact in theory, or three hours in laboratory or practical work/project/studio work per week in a semester;
- f. "Non-credit Course" means a course that shall be mandatory to pass but shall not be counted in calculating GPA/CGPA and shall not have any effect on the academic position of a student;
- g. "Deficiency Course" means a course in which a student has been adjudged deficient by the concerned Head of Department at the time of admission. All deficiency courses shall be of noncredit nature. However, in migration cases these course(s) as prescribed by the Department, are

- h. "Pre-requisite Course" means a course required to be enrolled/qualified by the student prior to enrolment/teaching of the actual course;
- i. "Summer Semester" means a semester of 8 - 9 weeks duration and shall be optional. It shall not count towards residential requirements.

STANDARDIZED SCHEME OF STUDIES FOR DEGREE PROGRAMS OFFERED OR AS APPROVED BY THE HEC

	Levels	Award Type	Award Example	Semesters	Technical/Vocational
Higher Education Level	8	Doctoral	PhD	Three Years (6 Semesters)	
	7	Masters	MS/MPhil, MS/MBA MSc (Eng), ME, M Tech	Two years (4 Semesters)	M Tech (Master of Technology)
	6	Bachelor (Hons)	BA/BS, BE, B Arch, BSc (Eng), BSc (Agri), B Tech (Hons), MA/MSc (16 Years), LLBA, BCom (Hons), MBBS, DVM, BDS, Pharm-D	4-5 Years (8-10 Semester)	B Tech (Hons) (B Tech)
Higher Secondary Education Level	5	Associate Degree Ordinary Bachelor	BA/BSc (Pass), B Tech (Pass) Associate Degree etc.	Two years (4 Semesters)	B Tech (Pass) (Bachelor in Technology) 50 + Credit Hours
	4	Higher Secondary Department Certificate (HSSC)	Intermediate, ICS, ICom, DBA, D Com etc.	A Level	DAE (Diploma of Associate Engineer) (College of Technology/ Polytechnics)
Secondary Education Level	3	Secondary Department certificate (SSC)	Matriculation	O Level	National Vocational Certificate (Level 1 to 4)
Basic /Elementary Education Level	2	Middle (3 Years)			
	1	Primary (1-5 Years) Pre-Primary (1-2 Years)			

The minimum duration can be extended for one year (two semesters) on case to case basis subject to approval of Statutory bodies and permission of the relevant Professional Council, if any.

2. CREDIT HOURS FOR UNDERGRADUATE AND GRADUATE DEGREES

- 2.1 A credit hour means teaching/earning a theory course for one hour each week throughout the semester.
- 2.2 One credit hour in laboratory or practical work/project shall require lab contact of three hours per week throughout the semester as per the requirement of a program.
- 2.3 The credit hours of a course are denoted by two digits within brackets with a hyphen in between. The first left side digit in brackets represents the theory part while the next second digit after hyphen represents the practical.
- 2.4 Thus 3(3-0) means three credit hours of theory, while 4(3-1) means a total of four credit hours, of which three are of theory while one credit hour is for laboratory/studio work/field work/practical work supervised and graded by the faculty. Similarly, 4(1-3) means a total of four credit hours, of which one is of theory while three credit hours are for laboratory/studio work/field work/practical work as per requirement of discipline.

3. COURSE LAYOUT FOR UNDERGRADUATE STUDENTS

3.1 In order to complete an undergraduate degree program successfully, the minimum and maximum limit of credit hours shall be as per prescribed scheme of studies. This limit will be subject to meeting requirements of the respective Accreditation Council and revisable on the direction of the Higher Education Commission:-

Degree duration	Minimum	Maximum
Four (4) years eight semesters	124	140
Five (5) years ten semesters	160	180

- 3.2 In undergraduate degree programs, major courses are classified into two categories.
- Foundation or core courses
 - Elective (courses from area of specialization/major study)
- 3.3 78-87 credit hours must be earned taking a sequence of introductory, intermediate and advanced level courses prescribed for the major area of concentration that means foundation and elective (courses of area of specialization).
- 3.3.1 **For Social and Basic Sciences**
The courses for Social and Basic Sciences disciplines will consist of 60-65% of curriculum towards the discipline specific areas.
- 3.3.2 **For Engineering/Technology Program**
While for the Engineering/Technology program these will consist of 65-70% of curriculum towards the

- discipline specific areas of concentration as required by Accreditation Councils. All Undergraduate programs have a required component of 8-9 courses of 22- 25 credit of General Education.
- 3.4 HEC policy regarding weightage for major that means foundation and elective (courses of area of specialization), compulsory and related subjects as per templates/framework available on HEC website is also followed.
- 3.5 An Undergraduate Degree Program usually includes theory courses, community work/ thesis/ research report/project and internship.
- 3.6 Theory: A theory course is of 03 to 04 credit hours as per requirement of discipline.

Course	Duration of Class
Theory Course of 03 Credit Hours	3 classes of 01 hour per week or 1 classes of 1.5 hour per week or 1 class of 03 hours class per week
Practical (Lab) Work / Field Work of 01 Credit Hour	03 hours per week

- 3.7 **Project:** Every student should write a project report/thesis/research report/project/ internship in the final year up to maximum of 06 credit hours individually on a research topic approved by Faculty.
- 3.7 **Internship:** Students should be encouraged to do internship in a relevant academic, research or business organization relating to the discipline chosen for specialization of maximum of 3 credit hours offered in any upper division semester as per requirement of discipline.

4. FALL/SPRING SEMESTER

- 4.1 There will be two regular semesters (Fall, Spring) in an academic year. Fall/Spring semesters will spread over 16-18 weeks (inclusive of 1 – 2 weeks for exams). Summer Semester will be of 8 – 9 weeks of concentrated study for completing remedial course work.
- 4.2 The University can enroll students (if they fulfill their admission criteria) for Fall/Spring semester or for any single course and issue transcript with letter grades at the end of the semester. Depending on the availability of staff and necessary facilities University can offers a summer session. Students can enroll maximum of 2 Theory courses or 1 lab course during summer sessions.
- 4.3 Foreign students under student exchange program will be enrolled for any semester or for any single course and University will issue transcript with letter grades at the end of the semester. Admission offer letter of the foreign student will be forwarded to HEC for issuance of NOC.

5. SUMMER SEMESTER

- 5.1 Summer semester will be offered as an optional semester of 08-09 weeks duration. Students will be offered courses to qualify 'F' grade and to improve 'D' grade courses whereas postgraduate students can also

- enroll 'E' grade course(s) for improvement of CGPA in addition to 'F' and 'D' grades , up to a maximum of two courses having 08 credit hours during summer.
- 5.2 Moreover, a student who has either failed or has not been allowed to appear in examination due to shortage of class attendance or wishes to improve his/her grade is allowed to register in summer within the prescribed limit of course(s)/credit hours.
- 5.3 The contact hours per week during the Summer Semester will be doubled to ensure that the course is completely taught in a summer session with half of the duration as compared to a regular (Fall/Spring) semester.

6. COURSE LOAD FOR FALL AND SPRING SEMESTERS

- 6.1 The required course load for a full time undergraduate is minimum 15 credit hours per semester.
- 6.2 A graduate student must take at least 9 credit hours in Fall and Spring semesters to be classified as a full-time student.
- 6.3 University may allow a student to take additional courses (02 courses of 03/04 credit hours) in a semester depending on unique circumstances of the student.
- 6.4 Advance courses will be enrolled only after the clearance of prerequisites courses.
- 6.5 Students with failed pre-requisites have two options; either they enroll the courses in summer session or enroll them with following session (limitation of credit hours will be observed).

7. ACADEMIC CALENDAR

- 7.1 The University publishes an Undergraduate and Graduate catalogues which includes schedule of its whole academic year (including Fall, Spring semesters), Admission requirements, Academic Programs offered, key financial aid policies of the University and scholarship opportunities for the convenience of students and Faculty members. The calendar will include the following information
- Semester starting date
 - Holidays during the semester
 - Semester termination date
 - Mid-Term exam week
 - Final exam week
 - Result notification and transcript issues dates. Each transcript will have course grades, semester grade point average (GPA) and cumulative GPA (CGPA).
 - Controller of Examinations will be responsible for issuing the transcripts (and degree supplement form on request) to students and their faculty advisors in a timely manner to facilitate enrollment for the next semester or graduation.

- 7.2 In case University is closed due to unusual circumstances, then special makeup classes shall be arranged converting weekends or holidays to working days to cover the lapsed period of the students

8. ENROLMENT/ REGISTRATION IN COURSES

8.1 Enrolment in Regular Semester

- A student shall enroll himself/herself for each semester consecutively till the completion of degree program in which s/he was admitted.
- Student shall have to comply with the schedule for enrolment (payment of dues + submission of enrolment form) as notified from time to time.
- An application for enrollment on the prescribed form accompanied by the prescribed fees receipts shall be presented to the Registrar Office through the Department concerned according to notified schedule. Merely submission of fee or enrolment form doesn't mean completion of enrolment formalities.
- Failing to enroll timely shall lead to the cancellation of semester registration. However, s/he is eligible to register when the same semester is offered next time subject to meeting the criteria of maximum duration of the program.

8.2 Add and Drop of Courses

- The students may make any change (add/drop) in the enrolled course(s) within second week of classes commencement as per the relevant procedure prescribed by the University.
- No add and drop will be allowed after the third week of classes commencement.

8.3 Withdrawal of Courses

- Students may be allowed to withdraw course(s) during 4-6 week of classes commencement after following the prescribed procedure. In such a case the transcript shall record that the student enrolled in the course and withdrew. Consequently, grade 'W' will be awarded to the student which shall have no impact on the calculation of the CGPA of the student.
- A student withdrawing after the 6th week shall be automatically awarded "F" grade which shall count in the GPA and will form part of the transcript.

9. REPEATING COURSES/ IMPROVEMENT OF CGPA/ REPEATING SEMESTER

9.1 Repeating Fail Courses

- If a student obtained 'F' grade, s/he will be required to repeat the course or its recommended alternate if any, whenever offered by the respective Department; However, "F" grade obtained earlier will also be recorded on the transcript

9.2 Repeating Course for improvement of CGPA

- An undergraduate student may be allowed to repeat course(s) in which s/he has obtained 'D' grade within the prescribed limit of courses/credit hours subject to the condition that the Department is offering desired course.

- b. A graduate student (MS/MPhil) can repeat the course with grade C or below, if s/he desires to improve the grade within the prescribed limit of courses/credit hours subject to the condition that the Department is offering desired course.
- c. In such a case both the course and the grade obtained will be recorded on the transcript. However, only the better grade shall be calculated in the CGPA

9.3 Repeating Semester

Student failing in a semester shall have to repeat that semester as and when offered by the University. Such student shall not be eligible to enroll in next semester without qualifying the failed/pre-requisite/dropped semester.

9.4 Improving CGPA for Award of Degree

- a. If a student failed to secure minimum CGPA required for the award of a degree at the end of final semester, may be allowed to repeat one or two courses in which s/he has obtained the lowest grades. Provided that s/he has not exhausted maximum admissible limit of semesters and have CGPA required to continue studies, failing which s/ he shall be dropped from the program. This option can be exercised before degree completion notification and prior to enrolment for thesis.
- b. In case of CGPA improvement, it would be recorded with (Imp) on the transcript.

10. ATTENDANCE

10.1 Attendance in classes/laboratories etc. is mandatory

10.2 A student having minimum 75% attendance in lectures and practical's (where applicable) separately shall be allowed to appear in the mid and final semester examination of the course.

10.3 For a student participating and representing the University in Sports/Co-curricular activities of Inter University/National/International level events, as verified by the Director of Sports/Manager CCA, the days actually spent by the student in such events shall be excluded from total lectures delivered. The percentage attendance shall be calculated after excluding this period.

11. CANCELLATION OF ENROLMENT

11.1 If a student fails to attend any lecture/practical during the first four weeks after the commencement of the semester as per the announced schedule, his/ her admission shall stand cancelled without any prior notice/notification.

11.2 For re-admission the student shall have to pay the prescribed re-admission fee as notified by the University from time to time.

11.3 A student may be allowed re-admission twice during the entire degree program.

12. COURSE FILE

Maintaining the Course File is compulsory for all Faculty Members. It should have complete record of every activity carried out during a semester. The course file should contain:

- Course Code, Title and Credit Hours
- Description of Course/Learning Outcomes
- Course syllabus and changes, if any, approved in atleast previous three semesters
- Weekly Teaching Schedule
- Dates of Mid-Semester Examination
- Grading Policy will identify each activity. Such as Homework, Quizzes, Mid-Semester Examination, Final Examination and Term Papers etc.
- Copy of each Homework Assignment
- Copy of each Quiz Assigned
- Copy of Question Papers for Mid Semester Examination
- Copy of Question Papers for Final/Semester End Examination
- Grading Sheets of the Course, Detailing Statistical Data on the Grades obtained by Students
- Difficulties/Problems faced by the Teacher and Students during Classroom/Course Delivery

13. FREEZING OF SEMESTER

13.1 If a student is not enrolled in any course in a semester, s/he will not be considered a regular student of University in that period. The student may then enroll in these courses in a subsequent semester. However, s/ he will have to meet pre-requisites of any course taken. In addition, it is understood that the University is not required to offer all courses in each semester.

13.2 If a student is unable to sit in the final examination on medical grounds or under the circumstances beyond his/her control to be determined in each case, may be allowed to freeze an enrolled semester except first semester. Such student may submit application prior to commencement of final examination to the HOD along with documentary evidences in support to his/ her grounds, for onward consideration of the Registrar. A notification in this respect will also be issued by the Department concerned after due permission of the Registrar under intimation to all concerned. The student will also be required to pay 10% of tuition fee as freezing charges. Provided that if full fee of semester has already been paid, the remaining fee after deduction of freezing charges, shall be adjusted towards dues of upcoming semester(s) as per Policy under intimation to student concerned.

Provided further that freezing of first semester can be considered under following special hardship circumstances:-

- Iddat
- Maternity/Delivery
- Death of blood relation family member
- Any other genuine and plausible reason (to be determined by the Competent Authority)

13.3 The student who has been allowed to freeze

the semester subject to maintaining minimum GPA/ CGPA required for continuation of studies, will seek re-admission/resume his/her studies from the same semester next year to the extent of undergraduate programs with the permission of the HOD concerned. In case a student failed to seek re-admission/ resume studies in first chance under the circumstances beyond his/her control to be determined in each individual case, may continue studies in the following year but with the permission of the Registrar. However, in order to keep his/her admission intact, such student shall have to pay gap semester(s) fee as per admissible credit hours rates prescribed in the semester from where s/he discontinue studies.

13.4 The re-admission will be subject to the condition that the student had to complete his/her degree program within the maximum admissible limit of semesters prescribed for the degree. Provided that s/he had to study/adjusted in the 'Scheme of Studies' in vogue in the semester at the time of re-admission. However, during freezed period such student may enroll his/her failed course(s) according to approved 'Scheme of Studies' for clearing backlog on payment of prescribed per credit hour fee, enabling him/her to complete degree within the minimum duration of semesters.

13.5 In case a student discontinues a semester without permission, s/he may seek re-admission, in the same semester next year or in the subsequent year with the permission of the Registrar on the recommendations of the HOD concerned. Provided that s/he has not already exhausted the maximum residential requirements for the degree and has minimum GPA/ CGPA required for continuation of studies. Provided further that in order to keep his/her admission intact, such student shall have to pay gap semester(s) fee as per admissible credit hours rates prescribed in the semester from where s/he discontinue studies.

13.6 During the freezed semester, bonafide status of a student shall remain suspended.

14. RE-SIT EXAMINATION

14.1 There is no provision under the Semester Regulations to conduct supplementary/ special examination. If a student fails to appear in any paper during mid or final examination, s/he is required to repeat it. In this case grade 'I' (Incomplete) will be indicated in the award list by the Faculty Member concerned which will also be depicted on the transcript.

14.2 If a student who could not appear in any examination due to genuine reasons such as serious accident, family tragedy (death of a blood relation), serious life threatening health issues with student/ blood relation, proceeding Ex-Pakistan for performing HAJJ/UMRAH after having proper leave, own or real sister/ brother marriage only, will be required to submit a request on proper form within a week from end date of examinations. The application for appearing in re-sit each of mid and final examination will be considered as per SOPs notified separately.

14.3 The applications to the extent of final

examination will be considered according to notified SOPs by the following Committee to be constituted on semester to semester basis by the Registrar, for onward consideration/approval of the Competent authority. The Committee/Competent authority can regret any request on the basis of illogical reasons/submission of incomplete/ irrelevant/forged documentary evidences:

One Professor (to be nominated by the Registrar) I
Convenor

Registrar/nominee I Memeber

Head/Coordinator of the concerned Department/
nominee I Member

Controller of Examination/nominee I Member/Secretary

15. PROMOTION CRITERIA:

15.1 Undergraduate programs:

15.1.1 First academic year will consist of Fall, Spring and Summer Semesters or Spring, Summer and Fall semesters (as the case may be). The enrolment, promotion, RLO, Not promoted and subsequent future status of a student during this year will be as under :-

Semester	Result to be notified as			Future of Student
	Promoted		Not Promoted	
1	SGPA equals to or above 0.85	Appeared in 50% courses but SGPA is less than 0.85	Not appeared in all papers or appeared in less than 50% of enrolled courses	Not promoted student may seek fresh admission in Fall/ Spring subject to fulfilment of all pre-requisites.
2	CGPA equals to or above 1.2	Appeared in 50% of enrolled courses but CGPA is less than 1.2	Not appeared in all paper or appeared in less than 50% of enrolled courses.	May enroll failed courses in Summer semester of first academic year, for improvement of CGPA.
3	CGPA equals to or above 1.2	RLOs will be converted into CGPA or 'not promoted'	If failed to secure CGPA less than 1.2 after first academic year	Secured SGPA 0.85 in semester -I but failed to obtain CGPA 1.2 after first academic year, may enroll semester-II if available.

15.1.2 Promotion from Third to onward Semesters:
A student securing minimum CGPA of 1.60 at the end of 3rd to onward semesters shall be promoted to next semester. The condition for appearing and qualifying 50% of enrolled courses will be considered applicable from 3rd to onward semesters, the fraction will be ignored.

15.1.3 Promotion on Probation:
If a student who secured CGPA between 1.59 to 1.40 at the end of 3rd to onward semesters will be promoted to next semester but on probation.

15.1.4 Number of Probations:
A student shall be allowed two “Probations” in an entire degree program beyond which s/he shall be declared as 'not promoted'.

15.1.5 After availing two probations in consecutive semesters or obtaining CGPA less than 1.40 at the end of any of the semesters from 3rd to onward, a student shall not be allowed to continue studies and declared as 'not promoted'.
If desired, such student may repeat same semester whenever offered, on the recommendations of HOD and Dean concerned. However, during this gap period, s/he can enroll previous semester's failed course(s), if any, for qualifying/enabling him/her to complete degree within minimum duration of semesters.
Provided that during gap period, if the Scheme of Studies of respective degree program has been revised, the Department concerned will make arrangements under intimation to Students Affairs and Examination Sections, to adjust him/her with new students of the semester for continuation of studies.

15.1.6 A student shall not be allowed enrolment of any course(s) for improvement of grade after declaring degree completed securing minimum prescribed CGPA.

15.2 Postgraduate programs:

15.2.1 A student is required to secure minimum SGPA 1.00 at the end of semester-I for promotion to semester-II.

15.2.2 Minimum CGPA of 1.75 and 2.25 will be required for a student at the end of semester-II and semester-III to onward respectively for continuation of studies.

15.2.3 In case any student fails to secure minimum prescribed CGPA, s/he will be promoted to next semester on probation ONCE. If a student fails to improve SGPA after semester-I and CGPA at the end of semester-II to onward, for continuation of studies, his/ her admission shall stand cancelled without any prior notice. Such student shall not be allowed to continue studies or seek admission as a fresh candidate.

15.3 Provided that a student is required to qualify 50% of the enrolled courses in a semester, the fraction will be ignored.

15.4 Provided further that a student shall not be allowed enrolment of any course(s) for improvement of grade if s/he is completing degree securing minimum required CGPA.
In case of valid reason / excuse, the period of study may be extended for one additional year (two semesters) in all University programs after due permission of BASR

on the specific recommendations of the Supervisor, Head and Dean concerned. The student(s) who will not complete studies within stated periods including extension shall be struck off from the rolls/not allowed to continue studies at the University. The students who have been given the right to extend the duration of study for one additional year are required to pay new registration fee along with normal fee for that academic year.

16. EXAMINATIONS

16.1 In each semester, students may be required to appear in quizzes, tests, midterms, final examinations, presentations (individual/group), group discussion, and submit projects/ assignments/lab reports etc. These assessment marks (to be determined by the teacher concerned) will have different weightage contributing towards the overall assessment in percent marks. This weight age may be determined on the basis of following guidelines:

Nature of Examination	Weightage Marks
Quizzes, tests	10
Mid Semester Examinations	25
Assignments/Presentations	15
Sessional Examination	10
Final Examination	40

Note: In case of a course with the composition of 4(3-1), (03 credit hour theory and 01 credit hour practical) the weightage for the practical shall be considered 25% or as specified by the respective Accreditation Council.

16.2 In the beginning of a semester, the Instructor of each course should upload syllabus providing information to students that defines attendance policy, grade distribution policy, assessment criteria, paper specification, examination dates, schedule of material to be taught, take home assignment policy, required and recommended reading materials and any other information important for the successful completion of the course and its requirements

16.3 Mid Semester Examination will be conducted in the mid of a semester from the syllabus prescribed for said examination.

16.4 Final Semester Examination covering the full syllabus with at least 20% of the course of mid examination as well shall be held at the end of each semester.

16.5 Evaluation of Practical's: Practical shall be assessed by the concerned teacher/internal examiners, except where there is a specific requirement from Accreditation Council. In that case the recommendation by the respective Council shall take precedence. Furthermore, this assessment shall be based on evaluation in following two parts:-

- i. Continuous assessment based on each practical- (conduct of = 50% practical by steps, notes,

- ii. Final Practical /Viva Voce= 50%

16.6 Project/thesis shall always be assessed by a panel of examiners which may include minimum one external and internal examiner appointed by Rector on the recommendations of Board of Studies.

16.7 Project shall be completed within the specified period as notified by the Head of Department. In case of extension, the student shall have to enroll in the next semester and pay the semester fee.

16.8 The pass marks in each course shall be 50%.

16.9 Pass criterion in a course having Practical Part: The candidates who fail in theory or practical will be treated as Fail in that subject. Such candidates must enroll the failed subject (both theory and Practical) and appear in each part as and when the course is offered. A candidate must obtain at least 50% marks separately in theory as well as practical parts to qualify that course.

16.10 Sessional marks awarded on the basis of assignment, test, quiz, etc. shall be displayed/ shown to the students 14 days before the final examination.

16.11 In case a student did not appear in the mid and final examinations due to discontinuation of the semester, his/her SGPA/CGPA should not be calculated.

16.12 The Controller of Examination shall be responsible for the conduct of examinations. The date sheets shall be finalized on the recommendations of the Heads of the Department.

16.13 If a student is required to participate in sports/ co-curricular activities representing the University, on the dates of examination, re-sit examination will be conducted after completion of said activities and after following prescribed SOPs as specified under Regulation 14 of the Regulations ibid.

16.14 There will be no Supplementary/Special Examination in a Semester System; if a student fails in a course, s/he is required to repeat it as per provisions of Regulation 14 of Regulations ibid.

17. GRADING POLICY

University follows absolute grading Methods

17.1 Attributes of absolute grading method are as under:-

- 17.1.1** Fixed Percent Scale. Total Point Method.
- 17.1.2** Easy to calculate grades.
- 17.1.3** Easy for students to understand.
- 17.1.4** Consistency gives illusion of fairness.
- 17.1.5** Reduces competition between students.
- 17.1.6** Tie point systems explicitly with a domain of tasks, behaviors, or knowledge upon which the assessment will be based.

18. GRADING SYSTEM

- 18.1** The grading shall be carried out on a scale of 4.
- 18.2** The marks obtained by a candidate in each

course are converted out of 100.

18.3 These marks are changed into grade points and letter grades according to the following criteria:-

Marks Range	Grade Point	Letter Grade
85 – 100	4.00	A
80 – 84	3.70	A-
75 – 79	3.30	B+
70 – 74	3.00	B
65 – 69	2.70	B-
60 – 64	2.30	C+
58 – 59	2.00	C
55 – 57	1.70	C-
50 – 54	1.00	D
Above 50	-	P(*)
Below 50	0.00	F
	0.00	I(**)

(*) P= Pass for deficiency course(s), if any
(**) I= Incomplete, if any

18.4 The Grade/Grade Point shall be assigned for each course according to Grading Table above, whereas, no letter grades shall be assigned to GPA/CGPA. GPA/ CGPA shall be calculated up to two decimal places.

18.4 Fraction of total marks obtained in a course shall be rounded to the nearest whole, e.g. 60.5 shall be considered as 61, 60.4 will be considered as 60.

19. Award of 'I' grade

19.1 A student who failed to appear in mid or final examination even after allowing re-sit examination, will be awarded 'I' 'incomplete grade' upto a maximum of 50% courses enrolled in a semester'.

19.2 The concerned student should have to intimate the reason(s) for not appearing in writing with documentary evidences, if any, to the concerned teacher. The teacher after examining/ determining careful and ensuring genuineness of the reason(s) in exceptional cases, will forward the result of requisite courses(s) with 'I' grade after due approval of Department Head. Afterwords, such written request will be forwarded to the Examination Office with a copy to the Registrar Office, for further necessary action and record respectively

19.3 The provision of 'I' grade will be applicable in regular semesters of an academic year i.e. Fall and Spring and not in Summer Semester.

19.1.4 The grade 'I' will not be counted while calculating grade-point average (GPA) of relevant semester. The student concerned will be required to appear in 'I' grade course(s) immediately after declaration of results without any charges, according to the schedule to be notified by the Examination Office for the purpose. If a student fails to qualify 'I' grade course(s) or again failed to

appear according to schedule under any circumstances, the grade 'I' will be replaced with 'F' automatically in the course(s) concerned

20. Computation of Semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA)

20.1 GPA This is a figure ranging preferably from 0.00 to 4.00 be used to indicate the performance of a student in the semester concerned. A standard scale of 0.00 to 4.00 is as under:-

GPA+ Sum over all courses in a semester(course credit hours x grade point) / Total semester credit hours

20.2 CGPA Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) will be calculated using the following relationships:

CGPA= Sum over all taken courses in all Semesters (Course Credit Hours x Grade Point) / Earned Total Credit Hours taken in all Semester

20.3 CGPA TO PERCENTAGE:

If	Formula
CGPA >= 3.63	CGPA -0.3/0.037
CGPA >= 3.25	CGPA-0.29/0.037
CGPA >=2.88	CGPA-0.036/0.036
CGP >=2.5	CGPA-0.28/0.37
CGPA >=1.8	CGPA+1.65/0.069
CGPA >=1	CGPA+2.16/0.079
CGPA >0	CGPA/0.0248

20.4 PERCENTAGE TO CGPA:

If	Formula
Percentage >=90	3.63+(percentage-90)*0.037
Percentage >=80	3.25+(percentage-80)*0.037
Percentage >=70	2.88+(percentage-70)*0.036
Percentage >=60	2.5+(percentage-60)*0.037
Percentage >=50	1.8+(percentage-50)*0.069
Percentage >=40	1+(percentage-40)*0.079
Percentage >=0	0+(percentage-0)*0.248

21. CGPA REQUIRED FOR THE COMPLETION OF UNDERGRADUATE AND GRADUATE DEGREE

21.1 For completion of the degree, the minimum qualifying CGPA is as under:- for undergraduate and Associate degree programs:2.00 for MS/MPhil and PhD programs: 2.50

21.2 In case a student secures less than minimum qualifying CGPA at the end of final Semester, s/he may be allowed to improve it as provided under Regulation 9.4 of the Regulations ibid.

22. TRANSFER OF CREDIT HOURS/MIGRATION FOR UNDERGRADUATE/ GRADUATE

22.1 The Rector, on the recommendations of the Standing Committee may allow migration/ transfer of credits of students from HEC recognized Institutions to the University, provided that:

- a. The institution concerned agree for the migration/ transfer of credits of such a student in addition to Accreditation Council, if any;Eligible candidates must satisfy the following conditions:
- b. A student must fulfill the required entry qualification of the program.
- A student, who has been dropped out, rusticated, expelled, or whose entry in the parent institute was banned for any reason whatsoever at any time during his/her academic career, the case for transfer of credits/migration shall not be considered.
- Credits are transferred on course to course basis i.e. a person taking course A at University X is allowed to transfer his/her credits to University Y provided that course A is equivalent to course B taught at the Y University.
- Courses with credit hours and course contents equivalent to the degree program, shall be considered for transfer.
- Courses exempted from the Scheme of Studies of TUF along with their credit hours shall be displayed on the final/official transcript but their grades obtained from the parent institution will not be displayed. Such subjects will be marked as "Transferred Credits" (TR).
- S/he has to provide NOC from the institution from where migration is required.
- The applicant should have to complete minimum 50% of the courses from The University of Faisalabad.
- No credit hours of a course will be transferred if the grade is C or less for undergraduate and B for graduate

22.2 The Rector has the powers to regret any request

for migration after recording proper reason(s) or relax any of the above conditions(s) to be determined on case to case basis, if situation so warrants.

23. REQUIREMENT FOR THE AWARD OF DEGREE

23.1 The under-and-postgraduate student must have regular admission, enrolled all semesters and should have successfully completed prescribed minimum credit hours of his/her respective degree as well as semester duration.

23.2 MS/ PhD candidates, in addition to completing the course work shall have to present an acceptable thesis on the basis of approved program of research.

23.3 In case of migration/credit hour transfer, a student shall have to earn a minimum of 50% of the total credit hours from this University to be eligible for the award of the degree

23.4 Degree Completion Certificate Each Department shall forward the degree completion form of each student subject to the fulfillment of all prescribed conditions to the Controller of Examinations, for issuance of degree completion notification.

24. FORMAT OF FINAL TRANSCRIPT

24.1 On completion of a degree, final transcript will be issued on prescribed page having security features including water mark on the format with following information. The name of student, father's name and date of birth will be recorded according to Secondary School Certificate or equivalent certificate submitted at the time of admission:-

FRONT SIDE:

- Name of Student
- Father's Name
- Date of Birth
- University Registration number
- Name of the Program
- Mode of study
- Session
- Updated picture of the Applicant
- Semester Wise enrolled courses with detail of academic performance i.e. credit hours, marks percentage, grade, GP and SGPA as well as total credit hours of a semester
- Required CGPA for the award of degree
- Total credit hours completed
- CGPA earned out of 4.00, total marks, marks obtained and Average Percentage
- Credit hours transferred/exempted, if any
- University insignia and Serial number of Transcript
- Footnote, if any
- Signatures of dealing officer(s) including Controller of Examinations

BACK SIDE:

- Scale/Grading System

- CNIC number for Pakistani and Passport No. for Foreign Students
- Charter date of the University
- Date of admission into degree program
- Previous Degree held by the Student along with Institution name (for postgraduates)
- Completion date of degree requirements
- Date of Issuance
- Basic Admission Requirements of the Program
- Signature of dealing officer(s) including Controller of Examinations
- QR Code for online verification

25. STUDENT GRIEVANCES AGAINST COURSE INSTRUCTOR

25.1 A five members Committee consisting of two senior faculty members, relevant Head of the Department and Dean headed by Controller of Examinations will be constituted to redress the grievances of the students about any course instructor or grades or for any other issue, if received.

25.2 If the grievances related to grade, a student must submit application to the Head of the Department within (07) seven working days from issuance of results. The Head of Department shall forward the grievance application to the Committee. It will be mandatory for the Committee to provide opportunity of personal hearing to student, concerned Faculty Member and submit final decision within (05) five working days or before the start of registration for the new semester, whichever comes earlier. The decision of the Committee will deem to be final and shall binding on all parties.

25.3 A Departmental Committee headed by the Head/Senior Faculty Members will be constituted by the Dean to check randomly a few answer papers of the final semester examination to monitor uniformity of scoring and covering of the course content, before submission of award list in the Examination Office. Similarly, before forwarding award list to the Examination Office each result of a course would required to be discussed by the Departmental Committee.

25.4 After declaration of result, if any student pointed out that marks are not awarded to him/her by the teacher(s) concerned due to an error in award list, s/he is required to submit written request to the Head/ Coordinator. Such error can be rectified on submission of written explanation by the teacher(s) concerned after having approval of the Rector by the Examination Office and issuance of revised result.

25.5 After marking of paper and before forwarding final award list to Examination Office, paper(s) be shown to concerned students for their satisfaction and pointing out discrepancy, if any.

26. PERMISSION OF WRITER FOR SPECIAL STUDENTS

26.1 A visually impaired/handicapped student may be allowed to attempt the Mid/Final Examinations of the University on Braille/ Computer/any other means of facilitation.

26.2 In case a student is physically handicapped/ visually impaired, s/he may apply to the Dean of the Faculty with medical certificate as proof of her/his disability for permission to engage a writer in Tests/ Examinations of the University two weeks before the start of Tests/ Examinations. S/he will be allowed 45 minutes (maximum) extra time to solve the question paper.

26.3 The qualification of the person who acts as writer of a handicapped student must be at least one step lower than student. (e.g. for level 6 student, the writer should be at the most of level 5).

27. RECHECKING OF EXAMINATION SCRIPT

27.1 The result is notified after due compiling of award lists and scripts by the Examination Office and due deliberation by the Departmental Committee. However, if still a student is not satisfied with marking, s/he can submit application for rechecking of script to the Examination Office through the HOD. It is clarified that re-checking does not mean re-assessment/re-evaluation/re-marking of the answer book.

27.2 On receipt of application, the Controller of Examinations can arrange re-checking of script by one or two Faculty Member(s) from the relevant discipline to be nominated by the Dean. The Controller of Examination or any officer or re- checking committee if appointed, shall see that:

- There is no computational mistake in the grand total on the title page of the answer book.
- The total of various parts of a question has correctly been made at the end of each question.
- All totals have correctly been brought forward on the title page of the answer book.
- No portion of any answer has been left un-marked.
- Total marks in the answer book tally with the marks sheet.
- The hand-writing of the candidate tally in the questions/answer book.

27.3 The candidate or anybody on his/her behalf has no right to see or examine the answer books for any purpose.

27.4 The marks of a candidate could even decrease in the light of Section 29.2(iii) above. In the event of reduction/increase of marks the record shall be corrected and revised result/transcript will be issued accordingly after due approval of the Competent Authority.

27. RECHECKING OF EXAMINATION SCRIPT

28.1 In an exceptional case where an answer script is damaged, lost or destroyed due to unavoidable circumstances, then the student may be given the following options;

28.2 Average marks shall be awarded to the student in that subject/course.

28.3 In case of Final Examination, if the candidate so desires, s/he shall be given another chance as a special case to re-appear in the Examination in that subject/ course during next examination without charging any dues for the same. In case of Internal Assessment, if the candidate so desires, s/he shall be given another chance as a special case to take the Make-up Assessment in that subject/course in the same academic session.

29. MATTERS RELATED TO DEGREES CONFERMENT

29.1 University should conduct Convocation once in a year to award the degrees to the qualified students as per criteria.

29.2 Urgent degree can be issued as per policy of University upon the request of student and on completion of other pre-requisites.

29.3 In case the original degree/transcript/provisional certificate is lost/damaged by an Alumni, its duplicate may be issued on completion of all requirements by indicating 'duplicate'.

Similarly, if the Alumni has got change/ correction of spellings in his/her or father name in the Secondary School Certificate as well as other documents and allowed to record such changes/ correction in record by the Competent Authority, documents by indicating 'Revised' with footnote will be issued on surrendering previous documents, if issued, on payment of prescribed charges/pre-requisites.

30. ACADEMIC HONOR CODE TO ENSURE STUDENT AND FACULTY ACADEMIC INTEGRITY

30.1 University implements a code of academic integrity for all faculty and students to stay away from academic dishonesty in all scholarly endeavors. For any violation of the code, appropriate disciplinary steps prescribed in the honor code will be taken.

30.2 HEC policy for plagiarism will be a prominent part of the Honor Code. A clearly defined process of due diligence by HEIs is mandatory to deter academic dishonesty and promote ethical principles governing academic behavior.



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