



PROSPECTUS 2023





In the name of ALLAH, the most Beneficent, the most Merciful.

It is He Who has made the sun shine and the moon light and determined for them stages that you may know the computation of years and calculations. Allah has created them only to manifest truth. He explains fully the Verses for the knowledgeable people.

(Sura Yunus: 05)

ضَيْلُ إِللَّهِ عَالَحْ عَبِينِهِ لِمُسْتِيدِنا مَحُكِّلٌ فَالْإِلْرُفَا مَجْحَالِ لِمُسَكِّلِ اللَّهِ

May ALLAH grant His peace and blessings to His beloved Prophet Muhammad (SAW) and to his family and his companions.

ثاه استئين اوشاه استئين ديل سئين المشين مراد مداد دست ديري شاكار المستانية مقالم المستانية المس

حضرت امام حسین علیه السلام سردار بھی ہیں اور بادشاہ بھی ۔ حضرت امام حسین علیه السلام اقدار دیں بھی ہیں اور دین اسلام کے لئے بناہ اور ڈھال بھی ۔ آپ نے ابناسر قربان کردیا گریزید کے ہاتھ میں ہاتھ مندیا۔

اور دین اسلام کے لئے بناہ اور ڈھال بھی ۔ آپ نے ابناسر قربان کردیا گریزید کے ہاتھ میں ہاتھ مندویا۔

اللہ کی من مضرت امام حسین علیہ السلام الاالہ یعنی دین اسلام کی بنیاد ہیں۔

مریم ازیک نبیت عبینی عزیز اونسبت حضرت بسراہ بزیز اونسبت حضرت بسراہ بزیز اونسبت میں محمد للعالمین ال امام اولیوں آخے سین اور چشم رحمتہ للعالمین ال امام اولیوں آخے سین بافوائے آل تاحید اور کا آتی مرتصلی کشات بیئو میں مادر آل مرک زیرکاعشق مادر آل قافلہ ساور شق

حضرت مریم سلام الله علیها یک نبیت یعنی علیه السلام کی والدہ ہونے کے سبب معزز ہیں جبکہ سیدہ فاطمہ زبراء سلام الله علیها تمین نسبتوں ہے عزت اوراحترام کی مستحق ہیں۔(۱)آپ تمام جبانوں کے لئے رحمت بن کرآنے والے نبی اوروہ نبی جو پہلے والوں اور ابعد والوں سب کے قائد اور ہنما ہیں کی آتھوں کا نور ہیں۔(۲) آپ اس ہستی (حضرت علی کرم اللہ و جبہ) جنہیں الله تعالیٰ نے ھل آتھی (سورة الدھر) کا تاج پہنایا اور جومشکل حل کرنے والے اورا اللہ تعالیٰ کے شیر ہیں کی رفیقہ کھیات ہیں۔(۳) آپ اس ہستی (حضرت امام حسن علید السلام) کی ماں ہیں جومشتی کے قافلۂ سالا راورقا کہ ہیں۔

SETTING THE BAR HIGH

OUR TOP RANKINGS, TESTAMENT TO EXCELLENCE

Achievements 2022-2023









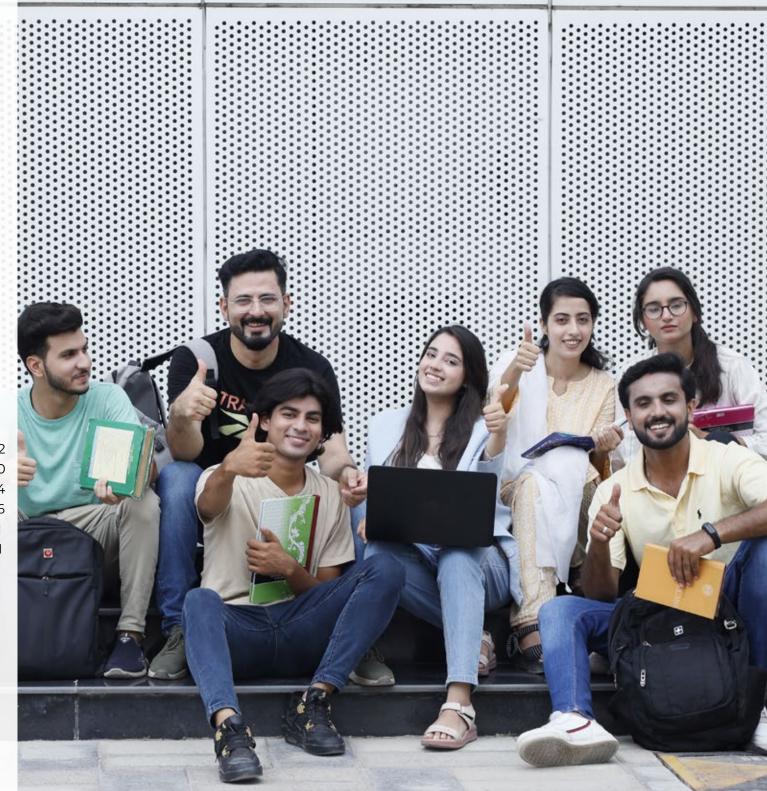


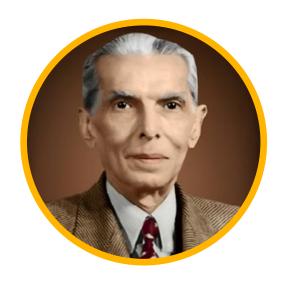




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MUHAMMAD ALI JINNAH (R.A)

"Come forward as servants of Islam, organize the people economically, socially, educationally and politically and I am sure that you will be a power that will be accepted by everybody."



DR ALLAMA MUHAMMAD IQBAL (R.A)

"Life is a struggle and not a matter of privilege. It is nothing but one's knowledge of the temporal and the spiritual world."



HAJI MUHAMMAD SALEEM (LATE)

Founder Chairman of Madinah Foundation

VISION

- Industry - Service - Education

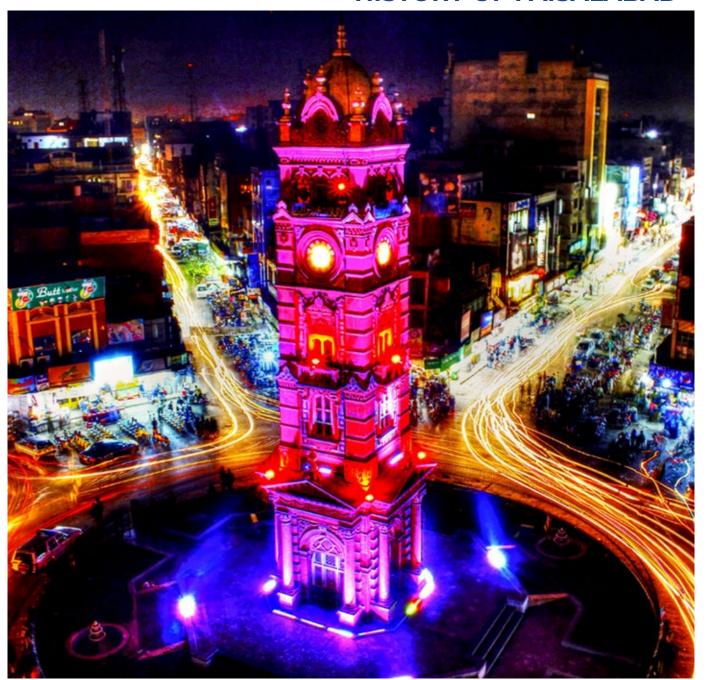


MIAN MUHAMMAD HANIF (SI)

Patron-in-Chief Madinah Group

"We are proudly empowering the Youth for a prosperous Pakistan"

HISTORY OF FAISALABAD



Faisalabad was once part of ancient district Jhang and Sandalbar, mainly consisting of thick forests and local tribes. The city of Lyallpur came into being in 1880 with the city center designed by Captain Poham Young, to imitate the Union Flag with eight roads radiating from a large clock tower (Ghenta Ghar) in the centre of eight separate bazaars. In 1895, the rail link between Wazirabad and Lyallpur was completed. As the progress of colonization stepped up, Lyallpur was given the status of a Tehsil of Jhang District and its administration carried on in tents on the old Theh (Mound) of Pucca Mari near Tarigabad. In 1943, Muhammad Ali Jinnah came to Lyallpur and addressed a gathering of over 2 million in Dhobi Ghat ground. The city grew into a strong industrial and agricultural centre and on independence of Pakistan it was a major urban area. In 1977, the name of the city was changed to "Faisalabad", after the late King Faisal of Saudi Arabia to commemorate deep friendship which exists between the two great Islamic countries of the world. In 1985, Faisalabad was upgraded as a division with the districts of Faisalabad, Jhang and Toba Tek Singh.

Geography

Faisalabad is located in the northeast of Punjab. The city covers an area of approximately 1230 square kilometers, comprising largely of flat or rolling plains. It has a population of around 5 million. It is also the third largest city of Pakistan.

Climate

The climate of Faisalabad district is of extreme nature, reaching around 50 $^{\circ}$ C in summers and -1 $^{\circ}$ C in winters. The soil of the district is very fertile. The average rainfall is about 200 mm.

Twin City

Faisalabad is twinned with Manchester, United Kingdom.

TRAVELLING TO THE UNIVERSITY

Faisalabad is linked via the M-3 Motorway which branches off at Faisalabad-Pindi Bhattian Interchange located on the Lahore-Islamabad motorway. There is also a dual carriageway from Lahore to Faisalabad via Sheikhupura. Health Sciences Wing of the University is located 2km off the toll plaza on Sargodha Road while travelling towards the city.

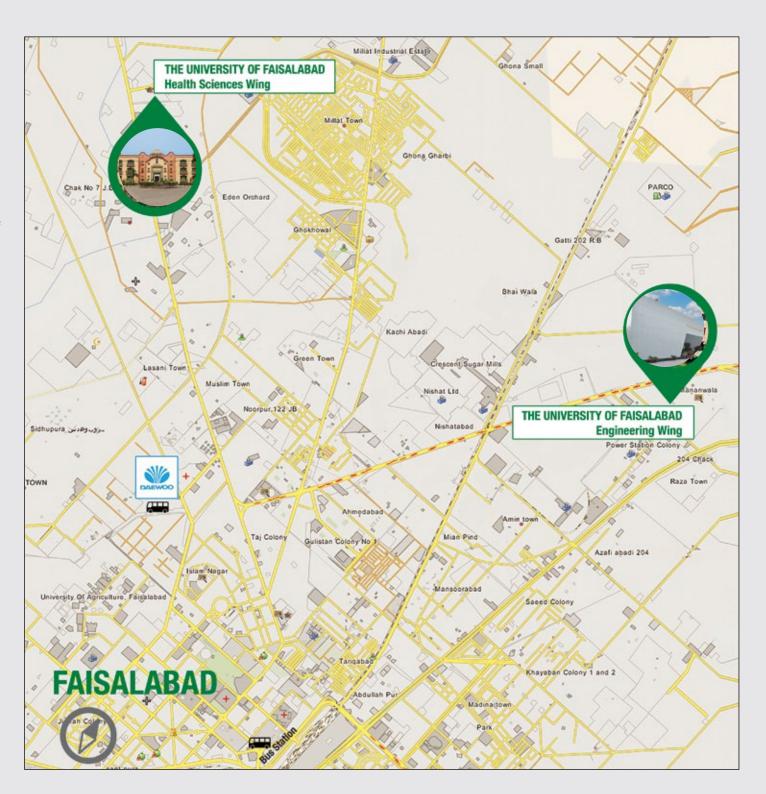
Engineering Wing is situated on the West bank of Canal and is about 5km from Abdullahpur crossing or 3km from Gatwala Park located on the Sheikhupura Road.

By Air

Faisalabad International Airport is about 10km from the city center. Passenger flights are run by the national flag carrier as well as other domestic airlines.

By Coach

An exclusive Daewoo Express coach service along with several other coach services originate from the city linking all major cities of the country.





Message

Muhammad Haider AminChairman Board of Governors

By the grace of Allah Almighty, The University of Faisalabad has achieved high level of excellence in education, research and infrastructure and started to enjoy international recognitions.

The deliberate and dedicated efforts continue with added vigour and enthusiasm for further enlargement of achievements in future. During twenty one years since its establishment, the University has shown manifold overall growth.

Our primary objective is to ensure the highest standards of education and provide an enriching academic experience for our students. With state-of-the-art infrastructure and a dedicated faculty, we strive to offer a dynamic learning environment that fosters critical thinking, innovation, and personal growth.

Our commitment to quality education extends beyond the classroom, as we actively promote industry collaborations and career opportunities for our graduates.

We firmly believe in the power of education to shape the future. Our vision, guided by the teachings of Islam, emphasizes the development of leadership qualities and a global mindset among our students. Through our collective efforts, we aim to contribute to the social and economic advancement of our nation.

We are grateful for the unwavering support and commitment of our students, faculty, and staff. Together, let us continue to uphold the values of excellence, integrity, and service that define The University of Faisalabad.

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The University of Faisalabad is a globally recognized university and ranked among top 600* universities Worldwide. We are committed to empowering the youth for a prosperous Pakistan aligned with our core values of motivation, inspiration and innovation.

*Times Higher Education Impact Rankings-2023



Message

Prof (Meritorious & Tenured) Dr Muhammad Khaleeq-ur-Rahman Rector

It is with great pleasure and enthusiasm that I address you as the Rector of The University of Faisalabad. As the academic leader of our esteemed institution, I am committed to providing a nurturing environment that promotes excellence in education, research, and personal growth.

At TUF our focus is on empowering students with knowledge, skills, and values that will prepare them for successful careers and meaningful contributions to society. We are dedicated to fostering an inclusive learning community where diversity is celebrated and ideas are exchanged freely.

As the Rector, my vision is to ensure that our students receive a holistic education that goes beyond theoretical knowledge. We strive to provide opportunities for practical learning, research engagement, and real-world exposure, enabling our graduates to meet the challenges of the ever- evolving professional landscape.

I encourage our faculty and staff to continue their dedicated efforts in delivering quality education and mentorship to our students. Your expertise and passion are instrumental in shaping the future leaders of our nation.

To our students, I urge you to seize every opportunity that comes your way, explore your passions, and embrace the transformative power of education. The University of Faisalabad is here to support and guide you in your journey towards personal and academic growth.

Let us work together to build an institution of excellence, innovation, and service. I am confident that by embracing our collective potential, we can achieve remarkable milestones and contribute to the progress of our society and nation.

Thank you for being an integral part of TUF community.

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Our competent faculty along with state of the art laboratory facilities including IT equipment provide unique opportunity to the students to abreast themselves with the latest knowledge to shape their personalities through extracurricular activities preparing themselves to face futuristic challenges.



BRIEF INTRODUCTION

The University of Faisalabad (TUF) is distinguished by its unwavering commitment to high quality education, sincere teaching efforts, specialized skill development, and enticing amenities, including a serene and amicable atmosphere.

Mission of University Administration is to provide education facilities to those students that come from under represented backgrounds especially females. To assist females' education, TUF has a notable wing as well as a female medical college, University Medical & dental College.

TUF aims to improve students' professionalism by offering opportunities for intellectualism, character development, physical fitness, the formation and growth of personality traits, and humanitarian conduct. University has well established ISO certified Madinah Teaching Hospital with capacity of more than 600 beds. TUF aims to improve students' professionalism by offering opportunities for intellectualism, character

development, physical fitness, the formation and growth of personality traits, and humanitarian conduct. University is continually working towards students, skills set by engaging students in various civic activities like, mass marriages, free health camps etc which develop amongst them the leadership skills, management skills, problem solving, adaptability, communication skills, and spirit to serve the community.

TUF is committed to provide a vibe that ensures every student is treated with dignity, respect and an equitable environment. University organizes Events, Competitions, Get-togethers, Job Fair, Seminars, International Conferences and many more to keep the students engaged. All these underpinning activities put students in touch with a like-minded yet diverse community and create substantial impact on the student life and their professional careers.

University has office for women empowerment to ensure social, cultural, economic and legal

empowerment of women. Due to these efforts of university leadership, university is the recipient of Corporate Social Responsibility Awards (CSR) in 2019 to 2023 for remarkable efforts and initiatives.

From last 21 years, the university students and alumni have made an impact globally through their ventures, innovation and dedication. University management strives to provide excellent educational infrastructure, top-notch distinguished teaching methodology, and quality research to its students.

TUF office of Placement Bureau conducts every month recruitment drives and job fair by giving students a path way to their professional goals and also equips them with the skills necessary for successful job interview. University Business Incubation Centre assists many students in term to start their own business and entrepreneurial stats ups.



VISION

To be a leading educational institution characterized by

- An intellectual environment conducive for innovative teaching and learning
- A culture of research to address the challenges faced by Pakistan
- Top quality professional faculty meeting local and global educational requirements
- Emphasis on Islamic /ethical values for inculcating love, patriotism and service to humanity.



MISSION

"Mission of the University is to contribute and create a transformative educational experience through pursuit of learning, research, innovation and collaborations at the highest global level of excellence, with emphasis on Islamic/ethical values."



VALUES

- Motivation
- Inspiration
- Innovation

DEGREE PROGRAMS OFFERED

FACULTY OF PHARMACEUTICAL SCIENCES

- Doctor of Pharmacv
- · MPhil Pharmacology
- · MPhil Pharmaceutics
- PhD Pharmacology
- PhD Pharmaceutics

FACULTY OF MEDICINE & ALLIED HEALTH SCIENCES

- · Doctor of Physical Therapy
- BS Optometry
- · BS Medical Imaging Sciences
- · BS Dietetics & Nutritional Sciences
- · BS Nursina
- BS Nursing (Post RN)
- BS Dental Technology
- · BS Anesthesia Technology
- · BS Medical Laboratory Sciences
- MS Physical Therapy
- MPhil Optometry
- · MPhil Dietetics & Nutritional Sciences
- · MPhil Morbid Anatomy & Histopathology
- · PhD Optometry
- · PhD Dietetics & Nutritional Sciences

FACULTY OF ENGINEERING AND TECHNOLOGY

- · BS Civil Engineering
- · Bachelor of Electrical Engineering
- · BSc Biomedical Engineering Technology
- · BSc Information Engineering Technology
- · MS Civil Engineering
- · MS Electrical Engineering
- · PhD Civil Engineering
- · PhD Electrical Engineering

FACULTY OF LAW

- BS Criminology
- · Bachelor of Laws (LLB)
- · BS Shariah (Islamic Figh)

FACULTY OF EDUCATION

- MPhil Education
- PhD Education

FACULTY OF SCIENCES

- BS Physics
- BS Psychology
- BS Microbiology
- BS Mathematics
- · BS Biochemistry
- BS Biotechnology
- MS Physics
- MPhil Physiology
- · MPhil Mathematics
- MPhil Biochemistry
- MPhil Biotechnology
- PhD Physics
- PhD Mathematics
- PhD Biochemistry
- PhD Biotechnology

FACULTY OF INFORMATION TECHNOLOGY

- · BS Data Sciences
- · BS Computer Science
- · BS Artificial Intelligence
- · BS Software Engineering
- · MS Computer Science
- · MS Computing & Data Sciences
- · PhD Computer Science

FACULTY OF LANGUAGES AND LITERATURE

- BS Urdu
- · BS English
- MPhil English Literature
- · MPhil English Linguistics
- · PhD English Literature

FACULTY OF MANAGEMENT STUDIES (NATIONAL BUSINESS SCHOOL)

- · BBA
- · BS Business Analytics
- · BS Accounting & Finance
- · BS Mass Communication
- · BS International Relations
- · BS Aviation Management
- · BS Healthcare Management
- · BS Islamic Banking & Finance
- · BS Economics with Data Science
- · BS Digital Media & Broadcast Journalism
- · MBA
- MBA Executive
- · MS Project Management
- · MS Accounting & Finance
- · MS Management Sciences
- · MS Risk & Safety Management
- · PhD Management Sciences

FACULTY OF ARTS AND SOCIAL SCIENCES

- · Bachelor of Interior Design
- · Bachelor of Graphic Design
- BS Islamic Sciences
- · MPhil Islamic Studies
- PhD Islamic Studies

ASSOCIATE DEGREE PROGRAMS (ADP)

- 2 Years Degree Programs (Semester System)
- HEC Recognized Qualification
- Equivalent to 14 Years of Education
- English
- Psychology
- · Interior Design
- · Graphic Design
- · Computer Science
- · Accounting & Finance
- Mass Communication
- Business Administration

ADMISSION PROCEDURE

ADMISSION OFFICE

This office plays a key role in providing first hand information to prospective candidates for admissions in various programs being offered in the University. It helps the selected students with enrollment formalities. Admission Office works in close coordination with the Registrar and Accounts Offices. Fully trained and experienced staff assists parents and students during admissions in various programs. The admission process is fully computerized and well-coordinated with other departments.

APPLYING FOR ADMISSION

The candidate is required to apply for admission through online admission portal after following the prescribed procedure by visiting website www.tuf. edu.pk/admission. S/he can apply in three programs simultaneously in order of preference. The candidates are advised to select degree program according to their qualification and minimum eligibility criteria

at their own before submitting online application. The applications which were submitted in a degree program, found not matching with entrant criteria will not be considered even after grant of provisional admission at any stage without assigning any reason. They are required to submit scanned copies of following documents through online portal. Incomplete applications, without personal email, mobile number, important data or those received after due date will not be accepted without any prior notice. No column of form should be left blank:-

- Passport size photograph with blue background having not more than image of 2MB
- Copy of candidate CNIC/Form-B(if age is less than 18 years) as well father/guardian (in case father is not alive)
- Copy of Secondary School Certificate Examination (SSCE) or equivalent certificate/detail marks
- Copy of Higher Secondary School Certificate Examination (HSSCE) or equivalent certificate/ detail

- marks
- Bachelor or equivalent degree and detail marks for admission to Master/MPhil programs
- MS/MPhil or equivalent degree and detail marks for admission to PhD programs
- equivalence certificate in case of possessing equivalent qualification issued by the IBCC in the case of O, A level and HEC in the case of Bachelor, Master, MPhil. If the result is awaited, candidate shall be required to submit prescribed equivalence certificate within four weeks of the commencement of the semester, failing which admission shall stand cancelled without any prior notice.
- Character certificate issued by the Head of Institution last attended
- · Domicile Certificate
- Migration certificate (if passed Intermediate/ equivalent examination from Board other than Puniab)
- The children of overseas Pakistanis shall submit





copy of passport of his/her father with work permit. A foreign national shall submit copy of passport having valid entry visa in Pakistan.

After provisional selection, the candidates are required to submit attested copies of following documents as a part of completion of admission formalities: -

- o Three attested photocopies each of:
- Secondary School Certificate Examination (SSCE) or equivalent certificate/detail marks. Those who submitted detail marks are required to produce certificate immediately on receipt of same from Board concerned.
- Higher Secondary School Certificate Examination (HSSCE) or equivalent certificate/detail marks. Those who submitted detail marks/ downloaded result are required to produce certificate immediately on receipt of same from Board concerned.
- Bachelor or equivalent degree and detail marks for admission to Master/MPhil programs
- MS/MPhil or equivalent degree and detail marks for admission to PhD programs
- Two attested photocopies each of:
- Self CNIC or Form B (in case age is less than 18 years)
- · CNIC of father/guardian (in case father is not alive)
- Domicile certificate
- Migration certificate (if applicable)
- Passport/work permit
- Six passport size photographs with blue background attested from back and bearing the name of the applicant
- Affidavit/undertaking on judicial paper worth Rs.200/- duly signed by the candidate, father/guardian (in case father is not alive), two witness, for abiding by the existing Rules, Regulations, Policies, guidelines and those framed hereinafter by the University from time to time.
- Prescribed undertaking for accepting existing decision/policies of HEC/ Professional Councils or those framed/circulated hereinafter.
- **o** Original character certificate issued by the Head of Institution last attended.
- Depositing of Rs.3,000/- (non-refundable) for processing fee.
- Hostel accommodation application form, if required accommodation in University hostel.

- Payment of 1st semester University dues prescribed for each program.
- Prescribed fee concession application out of Zakat Fund or Need Based awarded by Madinah Foundation.
- Qualifying entry test or interview (where applicable)

Note:

The University reserves the right to refuse admission to any individual without assigning any reason.

A candidate shall not be entitled to claim admission as a matter of right even if s/he is otherwise eligible.

ENTRANCE TEST

a. MS/MPhil and PhD Programs

MS/MPhil candidates must qualify University Entrance Test or GAT (General) securing minimum 50% marks and PhD candidate must qualify entrance test as specified with minimum 70% marks (This criterion is subject to revision as per HEC instructions).

b. Undergraduate Programs

Candidates are required to appear and pass admission test and interview conducted by University. Merit list shall be prepared with following weightage formula:-

a) Matric or Equivalent		10%
b) Intermediate or Equivalent		40%
c) Admission Test		40%
d) Interview		10%

CONFIRMATION OF ADMISSION

- **a.** Selected candidates are required to confirm their acceptance of admission by depositing the prescribed fee as per fee policy and completion of documents.
- **b.** The admission in the University will be provisional subject to the verification of the certificate/ degrees of the students
- **c.** Applicants should be aware that submission of incorrect/false / forged/ fabricated/ fraudulent document (s) or information is a criminal offence and the University reserves the right to initiate legal proceedings in addition to cancellation of admission from retrospective effect at any stage without any prior notice.

FEE STRUCTURE

- **a.** Fee structure for each degree program may be perused from University website.
- **b.** The tuition fee and other dues would be increased annually to cover the inflationary trend in the country. Although the inflation rate is up to 10% to 20%., yet a moderate increase of upto 3% in tuition fee will be charged annually,
- **c.** The applicants are advised to plan their financial obligations realistically before joining a particular degree programs, so that they may not face any problems for paying dues during remaining study duration.
- **d.** Applicants doubtful of fee status should seek clarification from the Admission Office or Accounts Section. No excuse whatsoever shall be accepted later on
- **e.** Students defaulting on payments within due dates may be suspended and/or debarred from attending classes and appearing examinations until the clearance of dues in accordance with the Policy of the University.
- **f.** Security is refundable only through cross cheque in the name of father/ guardian either on completion of entire degree program or on permission to leave the studies at any stage.
- **g.** Comprehensive 'Fee Policy' may be perused from University website.

REFUND OF DUES

After seeking admission/enrolment of a semester, if a student withdraws from the academic program, the fee will be refunded as per percentage and time limit given below according to 'National Fee Refund Policy' of HEC adopted by TUF:-

Percentage of dues refundable	Time limit
	Upto 7 th day of convene of classes or depositing of dues whichever is later (*)
Half (50%) refund of total dues/ hostel dues (if deposited) excluding admission fee	From 8 th to 15th days of convene of classes or depositing of dues whichever is later (*)
No Refund	From 16 th day of convene of classes or depositing of dues whichever is later (*)

(*) In case where dues were deposited after commencement of classes, the next day from depositing dues will be considered as convene of classes.

INTER PROGRAM TRANSFER

A student registered in a program after paying dues, may be transferred to another program in the University subject to the condition that s/he has applied in the program of 2nd choice and falls on merit (if applicable) with the permission of the concerned Dean/HOD and Registrar or nominee within fifteen (15) days of commencement of classes. Afterwards, no permission for inter program transfer will be accepted in any case. In the case of transfer of program, the fee of new program will be charged/adjusted accordingly.

SEMESTER FREEZE

The freezing in first semester is not possible. However, under special circumstances, freezing can be allowed in first semester. The detailed Regulation for freezing semester may be perused in the Semester Rules and Regulations.

CANCELLATION OF ADMISSION

a. If a student absenting himself/herself from the classes for ten (10) consecutive working days, his/her name shall be struck off from the rolls of the University. Provided that a student whose name has been struck off the University rolls due to said continuous absence may if desire seek re-admission with the permission of the Registrar on the recommendations of the HOD upto the time within which s/he could complete prescribed attendance requirements in lecturers and practicals of each subject separately. If a student fails to do so under any circumstances, will be treated as discontinued studies without prior permission of the Competent Authority and his/her request for continuation of studies, if received, will be dealt with in accordance with the provisions of Regulation 13.4 governing semester freeze.

b. After commencement of classes of a semester on the notified date, if a student fails to attend any lecture/ practical under any circumstances during the first four weeks, his/her admission shall stand cancelled without any prior intimation/notice. S/he shall not be allowed to seek re-admission during that semester. Such student shall be considered discontinue studies without prior permission and shall be dealt with as per provisions of Regulation 13.4 governing semester freeze.

c. A student may be allowed re-admission twice during the entire degree program.

MIGRATION/TRANSFER OF CREDITS

The Rector, on the recommendations of the Head of Department through the Registrar may allow migration/transfer of credits of a student earned from HEC recognized Institutions to this University, subject to fulfilment of following conditions/submission documents:-

a. The applicant concerned should fulfill minimum entrant criteria of the program of this University. No migration will be allowed in first two semesters. Similarly, migration within the District is not permissible.

b. The applicant will submit application on proper form giving genuine and plausible reasons for migration through his parent Institution to the Registrar office alongwith required documents.

c. The application complete in all respects will be referred to the Head of Department concerned who shall securitize the same and determine (i) whether the applicant fulfill the entrant criteria (ii) semester in which s/he be allowed migration (iii) deficiency course(s) to be studied by the applicant during his/her stay in this University, if allowed or declare course(s) as exempted, so that his/her studies at parent Institution could be declared at par with the students of this University. Such recommendations shall be submitted by the HOD concerned to the BOF for endorsement and onward consideration of the Registrar.

d. The request of applicant who has been dropped out, rusticated, expelled, or whose entry in the parent Institute was banned for the reasons whatsoever at any time during his/her academic career, shall not be considered.

e. Credits hours will be 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.

f. Courses with credit hours and course contents equivalent to the degree program at this University, shall be considered for transfer.

g. Exempted courses along with their credit hours shall be depicted 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).

h. 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' or less for graduate programs.

The Rector has the powers to regret any request for migration after recording proper reason(s) or relax any of the above condition(s) to be determined on case to case basis, if situation warrants.



SCHOLARSHIP POLICY

MERIT SCHOLARSHIPS

a. QUAID-E-AZAM SCHOLARSHIP: Merit based scholarships are awarded in following degree programs at the time of admission to a student who demonstrates academic excellence:

Programs	Marks (%) Obtained in Intermediate	Waiver (%) on Tuition Fee		
BS Civil Engineering • BS Accounting & Finance BS Electrical Engineering • BS International Relations	90% or Above	40%		
	80% to 89.99%	30%		
 BS Computer Sciences BS Software Engineering BS Artificial Intelligence BS Data Sciences BBA BS Aviation Management BS Business Analytics BS Mass Communication BS Healthcare Management BS Economics with Data Sciences BS Islamic Banking & Finance 	70% to 79.99%	20%		
Bachelor of Law Doctor of Pharmacy	90% or above	25%		
· Bachelor of Interior Design · Bachelor of Graphic Design	90% or Above	30%		
	80% to 89.99%	20%		
	60% to 79.99%	10%		
Doctor of Physical Therapy BS Optometry BS Dermal Technology BS Anesthesia Technology	90% or Above	20%		
	80% to 89.99%	10%		
BS Medical Imaging Sciences	90% or Above	20%		
BS Dietetics & Nutritional Sciences	80% to 89.99%	15%		
	70% to 79.99%	10%		
Note: 100% Waiver on tuition fee offered for Board Position Holders				

SCHOLARSHIPS

b. SALEEM SCHOLARSHIP:

Saleem Scholarship (named after the founder Chairman Board of Governors). Saleem scholarship will be awarded to the kin of alumni/ae and existing participants (brother, sister, husband, wife, son and daughter).

15% Waiver on Tuition Fee in all Programs.

c. HUMA (ALUMNI) SCHOLARSHIP:

Huma Alumni Scholarship (named after the first student registered in The University of Faisalabad). 20% Waiver on Tuition Fee in all Postgraduate Programs.

d. SIR SYED SCHOLARSHIP:

Sir Syed Scholarship (named after Sir Syed Ahmad Khan, Muslim reformer, philosopher, and educationist in nineteenth-century) will be awarded to the differently abled students and those with learning impairment.

10% to 30% Waiver on Tuition Fee in all Programs.

e. JAHANGIR KHAN SCHOLARSHIP:

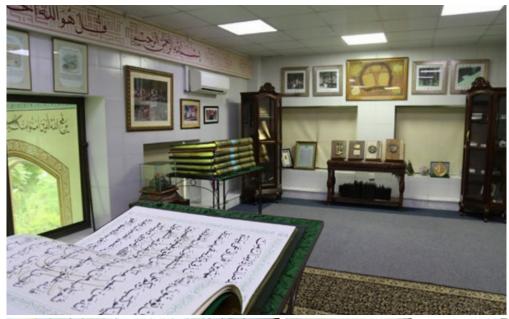
Outstanding sportsmen/ women or extracurricular activities will be awarded Jahangir Khan Scholarship (named after World # 1 professional Squash player from Pakistan).

50% to 100% Waiver on Tuition Fee in all Programs.

f. NOORI SCHOLARSHIP:

Substantial waiver in tuition fee as Noori Scholarship (named after Sahibzada Ata-ul Mustafa Noori, a religious scholar and philanthropist) will be awarded to the students from SOS village.

FACILITIES







ISLAMIC GALLERY

An artistic Islamic Gallery which is a source of spiritual elevation has been established in the library of the University. The Gallery has a rich collection of rare relics, e.g. Naqsh of Naalain-e-Mubarak of Prophet Hazrat Muhammad SAW (made of pure gold), letters sent by the Holy Prophet (SAW) to different kings, various calligraphic paintings, large sized hand written Quran with pure silver jacket, a piece of carpet from RIAZ UL JANNAH, rare Islamic books and sayings of Hazrat Ali Karram Allah Wajhahu, and many more relics related to Islamic history, which makes it worth visiting.



AUDITORIA

Four well furnished centrally air conditioned auditoria occupy central place in the University. These having a seating capacity of upto 1000 are a venue for conferences, seminars, declamation contests, lectures and other functions. These auditoria are equipped with latest multimedia, overhead projectors and sound systems.



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.



BANK

Branches of Habib Metropolitan Bank and Muslim Commercial Bank are opened for facilitating the students and employees of the University in making financial transactions. ATM machines are also installed in the University.

TRANSPORT

The university has out-source transport to facilitate students in their pick and drop from and to the University.



TUF LIBRARIES

The mission of TUF Libraries is to provide the right information to the right person at the right time in a right way. TUF libraries have a network of four libraries in the university to promote reading culture and provide access to information on diverse academic disciplines. These libraries are spacious, well planned, and offer serene environment. Libraries serve their community with up-to-date information through different sources, including digital library, online research journals, periodicals.

All users from faculty, staff, or students are encouraged to make full use of available resources. Libraries contain around 50,000 books on medical, pharmaceutical sciences, allied health sciences, engineering, religion, management, computer, nursing, literature, and social

sciences. Internet facilities in the library connect users to libraries. These libraries provide access to books, journals, theses, newspapers, and other resources in hybrid environment (i.e. combination of print and online resources). These libraries are member of Higher Education Commission (HEC) Digital Library that provides access to thousands of virtual reference sources, online books, electronic journals, digital theses, and other multimedia resources on various subjects. TUF libraries are equipped with latest technology like RFID System and (KOHA) Library Management System, and are providing users the facility of borrowing and returning of library material. The bibliographic information about available collections is available through KOHA software.



CARRELS AND STUDY SPACES

Comfortable interior and innovative furniture in the libraries make them stunning and provide refreshing environment which attracts users and compel them to spend time and study in a relaxed and conducive environment. Study carrels and study lounge for faculty and students provide excellent atmosphere.

TUF PORTAL (LMS)

The University of Faisalabad has another distinguished quality of having University's own LMS account. Where we are also providing bundle of books, through upload books icon on all subjects in **E-Library icon**.

OPENVPN CLIENT GUI

Access through OpenVPN Client GUI Higher Education Comission (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.

REFERENCE SERVICES

We are also providing or facilitate our prestigious faculty members, hardworking students and Researchers to fulfill their thirst of learning & knowledge through online reference service. For this researchers send their demands through emails with their research topics, article links, online journals, and demand of soft copies of books to library@tuf.edu.pk. We reply ASAP to the users' request.

OPAC SERVICES

TUF libraries provide facility of Online Public Access Catalogue (OPAC) of library resources, online booking and reservation of library material to the library patrons.





INFORMATION LITERACY SESSIONS

TUF libraries arrange information literacy sessions time to time in order to enhance the online searching skills of students and researchers. This facility provides excellent opportunity of organizing and participating in lectures, workshops, seminars, discussions, and meetings.

INTER-LIBRARY LOAN FACILITY

Inter-library loan and searching facility option is also available in the library. Users can search material available in the libraries of different campuses of TUF, through Union Catalogue. Users can request library staff to help them in getting their required material from other libraries through **inter-library loan**.

SMS REMINDER SERVICES

TUF libraries have also introduced SMS Service to facilitate library users like faculty, staff and students. In this service weekly messages are sent to the users whose return date is over. Through this service they can return their library material on time.

INTERNET AND WI-FI

Computers with internet and Wi-Fi connections are available for the use of students and teachers for their study and research. A team of competent library professionals is also available to provide reference & research assistance.

DIGITAL RESOURCES

The libraries are also providing access to thousands of online full text journals, conferencing proceedings and articles through different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside the campus through IP address. Library is also giving access to around 1,42,000 online books through different databases that have also been made available through the HEC's Digital Library Program.

E-DATABASES (ARTICLES)

- Pro Quest Dissertation & Theses
- SPRINGER LINK
- TAYLOR & FRANCIS Journals
- WILEY-BLACKWELL JOURNALS

- ASTM
- Free Medical Journals

KIOSK TECHNOLOGYIN LIBRARY

In the era of technology, it is must to introduced library function, resources and e-resources to the user's community through technological tools. One of them is **KIOSK technology**. Library Kiosk service also saves the time of reader, and help library users for smooth functioning. KIOSK represents digital library concepts and offers automated services to library users. These services include union catalogue of 4 campuses on which user can:

- Search desired book material
- Location of racks
- Book number
- Quantity of the books,
- Status of the book (Issued/Available / unavailable)
- If issued so user can hold the book by her own
- Can know about different data bases available on HEC Digital Library

IT FACILITIES

Information & Communication Technology (ICT) department is responsible for ensuring the adequacy of academic and administrative computing facilities at TUF. The department implements efficient technology infrastructure, supports effective campus management system, and delivers responsive IT support services. Wi-Fi cloud computing facility is also made available in the University and in popular locations such as library and central courtyard. Network in the University has been converted to Fibre Optic. Now the data communication is at the speed of light without any distortion and noise. Currently, there are around 1000 connected workstations across TUF in academic and administrative units.

NETWORK OPERATION CENTER

The university's Network Operation Center offers a vast array of technology services including state of-the-art computing labs with high-tech computers, high-speed dedicated internet, a secure wired network and high availability e-mail, workplace computing resources



and applications. The university is availing bandwidth facility from HEC under Pakistan Education Research Network (PERN). A PERN-II connection having 32 MB dedicated link via fibre optic has been installed, 36 MB CIR bandwidth from other ISPs and 200 MB shared internet from Storm Fiber is also available.

VIDEO CONFERENCING FACILITY

Video conferencing facility is available at the University.

WAVE TUFIANS 96.6

Educational Radio Channel of the University Educational Radio Channel Wave FM 96.6 was launched on October 9, 2014. This was inaugurated by Honorable Imam Bin Hussain Bin Ali Zain ul Abidin, Khadam Roza-e-Rasool Madina-tulMunawrah. It broadcasts various programs concerning health, education, social welfare, recreation, sports, and many other subjects. Eminent scholars, professionals, and academic staff of the University deliver talks related to their fields of specialization. The participation of the students in the form of their interviews concerning education and sports activities are relayed regularly. Students are encouraged to take part in these programs.

ADVICE AND COUNSELING

The University has an efficient and vibrant Students' Affairs section comprising Admissions Office, Placement Cell, Information Technology Service Center, Human Resource and Accounts Office. The activities of these offices are well coordinated to facilitate the students. The aim is to enable students to cope more effectively with any personal and academic problems that may be affecting them during their stay at TUF. In addition, every student has free access to the Head of respective Department who not only provides them consultation/advice in solving routine problems, but also helps them decide their careers in life.

PLACEMENT CELL

The University has established a Placement Cell for graduating students. The staff of the placement cell also maintains record of students in different disciplines in the form of a graduates directory which is sent to prospective employers. The positions/vacancies

available in different organizations are notified for the information of students. In certain cases employers are invited to conduct interviews at the university to pick up the graduates who suit their requirements. The Cell serves as a resource and information centre and organizes advisory sessions to promote skills needed for appearing in interviews. Placement Cell exposes the students to the option that best fits their individual career needs. This cell provides services in the following areas:

- Personality development
- Job fairs
- Etiquette workshops
- Personal, academic and professional help
- Part time and full time job listings
- Internship and placements
- Resume and interview preparation
- In-house trainings
- Employer contacts

CENTER OF EXECUTIVE LEARNING (CEL)

At a time when companies are challenged by increasing business complexity, the Center of Executive Learning (CEL), TUF aims to offer training programs with a range of organizational benefits starting from leadership development to management skills to the executives and employees of the companies. CEL focuses on developing the knowledge and skills to work on strategy, finance, entrepreneurship, negotiation and innovation design which in return will help company executives in developing a management system that is recognized and respected.

OFFICE OF RESEARCH INNOVATION AND COMMERCIALIZATION (ORIC)

The University of Faisalabad's Office of Research provides programs and services to support faculty and staff in their research efforts. The office invests in research initiatives, promotes our research among sponsors, and provides services that make certain that TUF achieves the highest standards in international research. ORIC dedicates to:

Provide a sound and supportive research infrastructure
 Improve research services by meeting challenges through innovative interdisciplinary team efforts and





creative problem solving

- Provide quality incentives to researchers, who, in turn, will generate high standard research
- Assess policies and targeting trends in research in order

to advance and achieve institutional initiatives

- Maintain the highest standards championed by the research administration profession to ensure the responsible conduct of research
- Promote initiatives for public and private partnerships that will enhance the well-being of people in our community.

QUALITY ENHANCEMENT CELL (QEC)

Mission of QEC TUF is to continuously improve the quality of education and student learning through systematic procedures of collecting and analyzing data and monitoring, reviewing the progress of teaching and research activities under Higher Education Directives to ensure that quality standards are being met.

KNOWLEDGE INCUBATION CENTER (KIC)

Knowledge Incubation Center (KIC) at The University of Faisalabad (TUF) is an initiative to offer a supportive place for students to register their novel ideas and commercialize their state-of-the-art research oriented projects by providing suitable resources and facilities. The Vital objective of this activity is to empower incubatees (Students) according to the industrial needs and produce commercially sustainable graduated companies through KIC platform. These graduated companies will have to promote the financial expansion of the nation over commercialization of student novel ideas and fetch industrial needs. KIC will arrange office space, value services, startup grant, technical-legal-business consultancy, prototype development monitoring and assistance for new entrants.











HOSTELS

All hostels are having furnished rooms to accommodate more than 1600 students. These provide a number of facilities including TV lounges, common rooms, study rooms, Wi-Fi, prayer rooms and kitchens. All students residing in the hostel are expected to conform to rules and regulations framed from time to time.

COMMON ROOMS

In order to facilitate our female students, spacious and comfortable common rooms are available. Female students can relax, study and have informal discussions in available free time. Daily newspapers, magazines, journals, and periodicals are placed there for leisure reading.

CAFETERIA

A food catering service having a wide range of quality snacks and meals at modest prices is available throughout the day.

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. Walk-

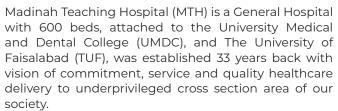
through gates, metal detectors, turnstyle and reflection mirrors have also been installed to have fool proof security arrangements.











MTH is recognized and approved by Pakistan Medical and Dental Council (PMDC), University of Health Sciences (UHS), College of Physician and Surgeons Pakistan (CPSP) and Pakistan Nursing Council (PNC) as a teaching hospital for Graduates and Post Graduate programs. Hospital is licensed by Punjab Healthcare Commission (PHC). Dedicated team of qualified and experienced doctors, nurses and paramedics are working round the clock to fulfill its mission towards continuous delivery of services and healthcare facilities among the ailing humanity. Being teaching hospital,

it is providing state-of-the-art teaching facilities and infrastructure to the students of MBBS, BDS, PharmD, Physical Therapy, Optometry, Dietetics and Nutritional Sciences, Medical Imaging Sciences, Medical Lab Sciences and Nursing Programs.

The hospital is fully equipped with modern and latest treatment/diagnostic facilities and providing all services free of cost e.g Corneal Grafting, Total Hip Replacement, Angiography, Angioplasty MRI, CT and Hep B & C treatment. An average OPD is 2000 patients with 120 admissions and 80 Operation per day.

MTH has been awarded the 'Corporate Social Responsibility Award' in 2015, 2017, 2018, 2019 and 2021. MTH is also the part of Pakistan's largest research project on COVID-19 "Pakistan. Randomized and Observational Trial to Evaluate Coronavirus Treatment (PROTECT)".







LIFE AT THE UNIVERSITY OF FAISALABAD

The University emphasizes on developing and grooming personalities of its students. A number of lectures, seminars, workshops, symposia, debates, declamation contests, awareness walks, literary programs, poster competitions, photography and quiz competitions are held regularly by subject societies.

SPORTS

Sports activities are carried out on national and regional levels under the guidance of the Directorate of Sports. Accordingly, facilities for basketball, football, hockey, cricket, table tennis and badminton are available.

STUDENTS' SOCIETIES

In order to promote the students' involvement in activities being held in the university and to provide them the platform to demonstrate their talent, following societies are run by the students:

- Religious Society
- Literary Society
- Cultural Society
- Community Services Society
- Dramatic Society
- Musical Society
- Art Society
- Publication Society
- Sports Society
- Blood Donors Society
- Photography Society
- Adventure Society
- Student Welfare Society
- Character Building Society
- Rehabilitation Society
- Hepatitis Awareness Society

Faculty members supervise these societies and provide guidance to facilitate implementation of decisions that require interaction with the university administration. Students are encouraged to interact with faculty pertaining to academic affairs and co-curricular activities.





















































FACULTY OF PHARMACEUTICAL SCIENCES

Programs offered

Department of Pharmacy

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



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The Faculty of Pharmaceutical Sciences offers degree programs in Pharm-D, MPhil and PhD in Pharmacology and Pharmaceutics. All our programs are accredited by Pharmacy Council of Pakistan and recognized by the Higher Education Commission of Pakistan.

Our main aim is to equip the students with contemporary knowledge and education through meticulous classwork, practical work in laboratories and apprenticeship training. I encourage you to join our Faculty of Pharmaceutical sciences as a student and learn all the modern tools and skillsets required to become a successful pharmacist. Be a part of our endeavor in forming a more safe, modern and comfortable future for our coming generations by acquiring the knowledge of pharmacy.

Dr Sadia Rafique Head, Department of Pharmacy





Doctor of Pharmacy

Program: Doctor of Pharmacy

Short Title: Pharm D

Duration: 10 semester (5 years)

Credit Hours: 205

Eligibility: Intermediate Pre-Medical with

minimum 60% marks or equivalent.



DEPARTMENT OF PHARMACY

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.

Objectives:

Alacrity and competence, the two wheels on which the carriage of modern civilization runs, require rapid recovery and Novel Drug Delivery System to save the host from adverse drug reactions as well as economic repercussions.

TUF Faculty of Pharmaceutical sciences Ability-Based Outcomes (ABOs) are the provision of patient-centered care, population-based caution and promotion of health and wellness in order to apply medical and therapeutic knowledge to pharmacy practice.

Career Opportunities:

- Pharmacist's role: in the healthcare system is increasing with the development of new drugs, emergence of new resistant microbes and the changes in healthcare delivery systems. Pharm D is the third largest professional healthcare group in the world but they still have a long way to play a significant role in the healthcare milieu of Pakistan.
- Hospital Pharmacy Services: Pharmacists are offered services for dispensing and compounding of the medicines, drug procurement, distribution and therapeutic monitoring.
- Industrial Pharmacy: In the manufacturing units, the Pharmacists have to work in procurement of raw material, quality control, production and quality assertion departments for the development of safe

and efficacious pharmaceutical products with cost effective approach.

- University Teaching: This is now- a-days a highly specialized job and needs expertise. The teaching methodology consists of theory, conducting practical and research work during the course of studies.
- knowledge of administration and management skills, the pharmacists have risen to the high profile executives at the country level. They are also working and holding top positions even outside the country. This is a highly paying field which adds to the sales promotion of pharmaceutical products for the generation of foreign exchange. Three courses on Marketing, Management and Quality Management in Pharm D would help to develop a good background to achieve this end.
- Regulatory Services: The pharmacists are also working in Provincial as well as in Federal Regulatory Departments to maintain stringent control of the quality, pricing, import and export of drugs and raw materials which are used in the pharmaceutical industries.
- Community Services: Pharmacists are also rendering their services in community pharmacies for handling extemporaneous and non-extemporaneous pharmaceutical products. They are relieving the burden on physicians and surgeons. The patients counseling and guidance is also looked after by them. They are also contributing in EPI (Expanded Program on Immunization) and emergency services i.e. poison control, adverse drug reactions etc.
- Research and Development: It is a very vital field and needs high expertise for the development of drug delivery systems. It is meant for rapid recovery technique, safety of the host and with lesser economic burden on patients. Our physical facilities and faculty are fulfilling the requirements to train such professionals.
- Drug Information Centers: The rational use of the drugs is need of the time and pharmacists in this regard can play very vital role by establishing these centers. People sitting in any area of this Global village may share and have an opinion from the experts. This is surely a new venue for E-commerce

as well as service to.

- Drug Testing Laboratories: These are the services rendered by the pharmacists in Provincial and Federal Drug Testing Labs by analyzing the drug samples taken from medical stores, pharmacies and pharmaceutical industries.
- Drug Courts: High profile professionals are essential to constitute the Provincial or Federal Drug Courts as technical members for evaluations of cases and recommendations of penalties according to Drug act.
- Clinical Services: In various Healthcare settings, the Clinical pharmacists evaluate the efficacious drugs and make sure their rationale use. In this way they minimize /eliminate the medication errors to save the general public from health hazards.







Doctor of Pharmacy

Scheme of Studies

Semester I

Course Title	Cr Hr
Pharmaceutics-IA (Physical Pharmacy)	4(3-1)
Pharmaceutical Chemistry-IIA (Biochemistry)	4(3-1)
Physiology-A	4(3-1)
Functional English	3(3-0)
Islamic Studies	2(2-0)
Ethics	2(2-0)
Creative Arts	2(2-0)
Teachings of Holy Quran - I	NC
Credit Hours	19

Semester II

Course Title	Cr Hr
Pharmaceutics-IB (Physical Pharmacy)	4(3-1)
Pharmaceutical Chemistry-IIB (Biochemistry)	4(3-1)
Physiology B	4(3-1)
Expository writing	3(3-0)
Ideology and constitution of Pakistan	2(2-0)
Applications of Information & Communication Technology	3(2-1)
Teachings of Holy Quran - II	NC
Credit Hours	20

Semester III

Course Title	Cr Hr
Pharmaceutics-IIA (Dosage Form Science)	4(3-1)
Pharmacology and Therapeutics- IA	4(3-1)
Pharmacy Practice-IA (Pharmaceutical Mathematics)	3(3-0)
Pharmaceutical Chemistry –IA (Organic)	4(3-1)
Psychology	2(2-0)
Environmental Studies	3(2-1)
Entrepreneurship	2(2-0)
Teachings of Holy Quran - III	NC
Credit Hours	22

Semester IV

Course Title	Cr Hr
Pharmaceutics-IIB (Dosage Forms Science)	4(3-1)
Pharmacology and Therapeutics-IB	
Anatomy & Histology	
Pharmaceutical Chemistry-IB (Organic)	
Biostatistics	
Community Service Learning	
Teachings of Holy Quran - IV	NC
Credit Hours	21

Semester V

Course Title	Cr Hr
Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	4(3-1)
Pharmacology and Therapeutics-IIA	4(3-1)
Pathology	4(3-1)
Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	4(3-1)
Pharmacognosy- IA (Basic)	4(3-1)
Credit Hours	20

Semester VI

Course Title	Cr Hr
Pharmacy Practice- IIA (Dispensing Pharmacy)	4(3-1)
Pharmacology and Therapeutics-IIB	4(3-1)
Pharmacognosy-IIB (Advanced)	4(3-1)
Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	4(3-1)
Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	
Credit Hours	20

SUMMER

Course Title	Cr Hr	
Internship	3(0-3)	

Semester VII

Course Title	Cr Hr	
Pharmacy Practice- VA (Clinical Pharmacy)	4(3-1)	
Pharmaceutics-IVA (Industrial Pharmacy)	4(3-1)	
Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	4(3-1)	
Pharmaceutics-VIA (Pharmaceutical Quality Management)	4(3-1)	
Pharmacy Practice- IIB (Community Social & Administrative Pharmacy)		
Pharmacy Practice-IVA (Hospital Pharmacy)		
Credit Hours	22	

Semester VIII

Course Title	Cr Hr
Pharmacy Practice- VB (Clinical Pharmacy)	4(3-1)
Pharmaceutics-IVB (Industrial Pharmacy)	4(3-1)
Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	4(3-1)
Pharmaceutics-VIB (Pharmaceutical Quality Management)	4(3-1)
Pharmacy Practice-IVB (Hospital Pharmacy)	
Credit Hours	19

Semester IX

Course Title	Cr Hr
Pharmaceutics-VIIA (Pharmaceutical Technology)	4(3-1)
Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	4(3-1)
Pharmacy Practice-VIIA (Forensic Pharmacy)	3(3-0)
Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3(3-0)
Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	4(3-1)
Credit Hours	18

Semester X

Course Title	Cr Hr
Pharmaceutics- VIIB (Pharmaceutical Technology)	4(3-1)
Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	4(3-1)
Pharmacy Practice-VIIB (Forensic Pharmacy)	3(3-0)
Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3(3-0)
Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	4(3-1)
Research Project	3(0-3)
Credit Hours	21
Total Credit Hours	205

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Postgraduate Programs

MPhil Pharmacology

MPhil Pharmacology Program:

MPPCO Short Title:

Duration: 4 semester (2 years)

Credit Hours: 30

16 years of education, Basic degree in Pharmacy Eligibility: (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.

Scheme of Studies

Semester I

Course Title	Cr Hr
Biostatistics	3(3-0)
Advanced Biochemical Techniques	3(1-2)
Advance Pharmacology- I	3(2-1)
Advanced Research Methodology	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Advance Pharmacology- II	3(2-1)
Advance Pharmacology- III	3(2-1)
Elective I	3(3-0)
Elective II	3(3-0)
Seminar	Non- credit
Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Research & Thesis		6(0-6)
	Credit Hours	06
To	otal Credit Hours	30

MPhil Pharmaceutics

MPhil Pharmaceutics Program:

Short Title: MPPCU

Duration: 4 semester (2 years)

Credit Hours: 30

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%

Scheme of Studies

Semester I

Course Title	Cr Hr
Advanced Pharmaceutics-I	3(2-1)
Biostatistics	3(3-0)
Advanced Biochemical Techniques	3(1-2)
Advanced Research Methodology	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Advanced Pharmaceutics-II	3(2-1)
Advanced Pharmaceutics-III	3(2-1)
Elective I	3(3-0)
Elective II	3(3-0)
Seminar	Non- credit
Credit Hours	12

Semester III & IV

Course Title	Cr Hr
Research & Thesis	6(0-6)
Credit Ho	ours 06
Total Credit Ho	ours 30

PhD Pharmacology

(After MS/MPhil)

Program: Pharmacology
Short Title: PhDPCO

Duration: 6 semesters (3 years)

Credit Hours: 24

Scheme of Studies

Semester I

Course Title	Cr Hr
Endocrine Pharmacology	3(2-1)
Cardiovascular Pharmacology	3(2-1)
Design and Analysis of Experiments for Researchers	3(3-0)
Credit Hours	09

Semester II

Course Title	Cr Hr
Advanced Research Methodology-I	3(3-0)
Elective-I	3(3-0)
Elective-II	3(3-0)
Seminar	Non- credit
Credit Hours	09

Semester III & IV (COMPREHENSIVE EXAM I SEMESTER 3RD AS REQUIRED FOR CANDIDACY FOR PHD)

Course Title		Cr Hr
Thesis		6(6-0)
	Credit Hours	06
	Total Credit Hours	24

PhD Pharmaceutics

(After MS/MPhil)

Program: Pharmaceutics
Short Title: PhDPCU

Duration: 6 semesters (3 years)

Credit Hours: 24

Scheme of Studies

Semester I

Course Title	Cr Hr
Current Pharmaceutical Technology	3(2-1)
Advance Bio Pharmaceutics	3(2-1)
Design and Analysis of Experiments for Researchers	3(3-0)
Credit Hours	09

Semester II

Course Title	Cr Hr
Advance Research Methodology	3(3-0)
Elective-I	3(3-0)
Elective-II	3(3-0)
Seminar	Non- credit
Credit Hours	09

Semester III & IV (COMPREHENSIVE EXAM I SEMESTER 3RD AS REQUIRED FOR CANDIDACY FOR PHD)

Course Title		Cr Hr
Thesis		6(6-0)
	Credit Hours	06
	Total Credit Hours	24

Eligibility for PhD Programs:

- 18 Years of Education, MPhil (with research) 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 6-9 credit hours (CH) of level 7.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%.



FACULTY OF MEDICINE & ALLIED HEALTH SCIENCES

- Doctor of Physical Therapy
- BS Optometry
- · BS Medical Imaging Sciences
- · BS Dietetics & Nutritional Sciences
- · BS Nursing
- BS Nursing (Post RN)

- · BS Dental Technology
- · BS Anesthesia Technology
- · BS Medical Laboratory Sciences
- · MS Physical Therapy
- MPhil Optometry
- · MPhil Dietetics & Nutritional Sciences

- · MPhil Morbid Anatomy & Histopathology
- PhD Optometry
- · PhD Dietetics & Nutritional Sciences



DEPARTMENT OF REHABILITATION SCIENCES

- Doctor of Physical Therapy
- MS Physical Therapy



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Our educational programs are accredited from HEC. We use blended learning techniques with face to face and digital resources to teach basic sciences, clinical sciences, research methodology, workshops, seminars and clinical studies which are intended to plan and apply the treatment protocols in a real patient set up 'Madinah Teaching Hospital' and state of the art infrastructure.

Dr Shahid Ahmad Heera Head, Department of Rehabilitation Sciences

Doctor of Physical Therapy

Program: Doctor of Physical Therapy

Short Title: DPT

Duration: 10 semesters (5 Years)

Credit Hours: 180

Eligibility: Intermediate (Pre-Medical) with

minimum 60% marks or equivalent

Location: Health Sciences wing &

Engineering wing

Program Description

Doctor of Physical Therapy is the degree recognized by HEC and endorsed by the American Physical Therapy Association. The DPT graduate possesses clinical competence consistent with the preferred outcomes of evidence-based practice and is prepared for collaborative practice, capable of evaluation and treatment without the need for referral from another practitioner, but ready to work in collaboration with members of the health care team.

We believe that

- Physical therapists are essential members of the healthcare team who maintain, restore, and improve movement, activity, and health enabling individuals of all ages to have optimal functioning and quality of life while ensuring patient safety and applying evidence to provide efficient and effective care. (APTA 2011)
- The promotion of health and preventative health care are major roles in physical therapy.
- Optimal learning occurs in an educational environment that:
- $\ensuremath{\text{\textit{y}}}$ Fosters the growth of the individual personally and professionally.
- » Is safe, inclusive, respectful, caring, fair, collegial, and ethical:
- » Supports collaborative learning through the sharing of ideas, values and philosophies among patients, students, clinicians, and faculty;





- » Supports diversity in student learning styles, personalities, and backgrounds while using teaching techniques that stimulate intellectual development, critical thinking skills, and problem-solving abilities.
- » Promotes quality in didactic, clinical, and professional endeavors.
- The responsibility for advancing professional knowledge through research and creative endeavors should be demonstrated by the activities and attitudes of the faculty and consistently conveyed to the students.
- The practice of life-long learning is necessary for ongoing professional competence, and we strive to instill the attitudes and skills necessary for their continued scholarship.
- Each patient, student, and faculty member has the right to access the best evidence based practice, and that as role models we faculty must engender these values.
- Through involvement in professional organizations, we can contribute to shaping the growth of the profession in its organizational, legislative and societal responsibilities

Objectives

- The To equip students with basic medical knowledge.
- To Provision of sound foundation in patient assessment, counseling and rehab on short term and long term basis.
- To produce qualified physical therapists for hospitals, academic settings, sports settings, fitness centers and research organizations.
- To provide appropriate cost effective treatment plans for patients and clients.
- To develop and maintain collaboration with national and international bodies concerned with physical therapy services.
- To provide leadership, management, successful oral and written communication skills and apply high standards of professional integrity and ethical values.







Doctor of Physical Therapy

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies /Ethics	2(2-0)
English I (Reading & Writing Skills)	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Anatomy -I	4(3-1)
Physiology-I	3(2-1)
Kinesiology-I	3(2-1)
Credit Hours	19

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Sociology	2(2-0)
Anatomy -II	4(3-1)
Physiology-II	3(2-1)
Kinesiology-II	3(2-1)
Credit Hours	18

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English- III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Anatomy -III	3(2-1)
Physiology-III	3(2-1)
Biomechanics & Ergonomics-I	3(3-0)
Biochemistry -I	2(2-0)
Credit Hours	18

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Anatomy-Iv (Neuro Anatomy)	3(2-1)
Biomechanics & Ergonomics-II	3(2-1)
Health & Wellness	2(2-0)
Biochemistry II	3(2-1)
Exercise Physiology	3(2-1)
Medical Physics	3(2-1)
Credit Hours	18

Semester V

Course Title	Cr HR
Biostatistics	3(3-0)
Pathology & Microbiology I	2(2-0)
Pharmacology & Therapeutics I	2(2-0)
Physical Agents & Electrotherapy I	3(2-1)
Therapeutic Exercises & Techniques	3(2-1)
Supervised Clinical Practice I	3(0-3)
Molecular Biology & Genetics	2(2-0)
Credit Hours	18

Semester VI

Course Title		Cr Hr
Research Methodology		3(2-1)
Patient Care		2(2-0)
Pathology & Microbiology II		2(1-1)
Pharmacology & Therapeutics II		2(2-0)
Physical Agents & Electrotherapy –II		3(2-1)
Community Medicine & Rehabilitation		3(3-0)
Supervised Clinical Practice II		3(0-3)
	Credit Hours	18
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Semester VII

Course Title	Cr Hr
Medicine I	3(3-0)
Surgery I	3(3-0)
Radiology & Diagnostic Imaging	3(2-1)
Musculoskeletal Physical Therapy	3(2-1)
Evidence Based Practice	3(2-1)
Supervised Clinical Practice III	3(0-3)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Medicine II	3(3-0)
Surgery II	3(3-0)
Neurological Physical Therapy	3(2-1)
Emergency Procedures & Primary Care In Physical Therapy	3(2-1)
Supervised Clinical Practice IV	3(0-3)
Credit Hours	18

Semester IX

Course Title	Cr Hr
Cardiopulmonary Physical Therapy	3(2-1)
Prosthetics & Orthotics	2(2-0)
Clinical Decision Making & Differential Diagnosis	3(3-0)
Manual Therapy	3(2-1)
Professional Practice (Laws , Ethics & Administration)	2(2-0)
Integumentary Physical Therapy	2(2-0)
Supervised Clinical Practice V	3(0-3)
Credit Hours	18

Semester X

Course Title	Cr Hr
Obstetrics & Gynaecological Physical Therapy	2(2-0)
Paediatric Physical Therapy	2(2-0)
Gerontology & Geriatric Physical Therapy	2(2-0)
Sports Physical Therapy	2(2-0)
Supervised Clinical Practice VI	3(0-3)
Research Project	6(0-6)
Credit Hours	17
Total Credit Hours	180

Postgraduate Programs

MS Physical Therapy

Program: MS Physical Therapy

Short Title: MPPP

Duration: 4 semester (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. GAT (General)/TUF Entry Test

with minimum 50% score

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Basic Medical & Physical Therapy Sciences	3(2-1)
Advance Clinical Reasoning's	3(3-0)
Differential Diagnosis in physical Therapy	3(3-0)
Intervention Strategies in Rehab	3(2-1)
Credit Hours	12

Semester II

All Specializations Medical Informatics & Research Methodology Musculoskeletal Concepts and Assessment of MSK Intervention of MSK Advance Biomechanics Neuro Musculoskeletal Neurological Assessment and Diagnostic Approaches Principles of Neuromuscular Management Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-I I Joint Mobilization & Manipulation (Upper & Lower Extremities) Manual Therapy Techniques- Wanual Therapy Techniques-	Specialization	Course Title	Cr Hr
of MSK Intervention of MSK Advance Biomechanics Neuro Musculoskeletal Neurological Assessment and Diagnostic Approaches Principles of Neuromuscular Management Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower Extremities)	All Specializations		3(2-1)
Advance Biomechanics 3(3-0) Neuro Musculoskeletal Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower Extremities)	Musculoskeletal	•	3(2-1)
Neuro Musculoskeletal Neurological Assessment and Diagnostic Approaches Principles of Neuromuscular Management Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-I I Joint Mobilization & Manipulation (Upper & Lower Extremities) 3(2-1) 3(2-1)		Intervention of MSK	3(2-1)
Musculoskeletal Diagnostic Approaches Principles of Neuromuscular Management Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower Extremities)		Advance Biomechanics	3(3-0)
Management Pediatrics and Adult Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower Extremities)			3(2-1)
Neurological Rehabilitation Orthopedics Manual Manual Therapy Techniques-I (Soft tissue Mobilization) Manual Therapy Techniques-II Joint Mobilization & Manipulation (Upper & Lower Extremities)		·	3(2-1)
(Soft tissue Mobilization) Manual Therapy Techniques- Il Joint Mobilization & Manipulation (Upper & Lower Extremities)		r danatirod arra / talait	3(2-1)
II Joint Mobilization & Manipulation (Upper & Lower Extremities)	Orthopedics Manual		3(2-1)
Manual Therapy Techniques- 3(2-1)		II Joint Mobilization & Manipulation (Upper & Lower	3(2-1)
III Spinal Mobilization & manipulation including cervical,thoracic and lumber regions		III Spinal Mobilization & manipulation including cervical,thoracic and lumber	3(2-1)
Credit Hours 12		Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Research/Thesis		6(0-6)
Clinical Residency		6(0-6)
	Total Credit Hours	36



DEPARTMENT OF OPTOMETRY

- BS Optometry
- MPhil Optometry



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Being the pioneers of the degree of Optometry in Pakistan, we offer you the best and most complete degree programs in this field. We cater for both undergraduate and postgraduate courses in Optometry, with a very well trained faculty, a team of extremely competent doctors at our sister hospital MTH and a vast array of activities to optimize your learning experience.

Prof Dr Aamir Ali Chaudhary Head, Department of Optometry

BS Optometry

Program: BS Optometry

Short Title: BSOP

Duration: 10 Semesters (5 years)

Credit Hours: 162

Eligibility: Intermediate Pre-Medical with

minimum 50% marks or equivalent.

Location: Health Sciences wing &

Engineering wing

Program Description

Optometry is a professional discipline based on the optical and vision sciences. Optometry graduates are considered to be qualified professionals who are able to practice in the public as well as private institutions. Presently guite a few institutions are running the program of Optometry in Pakistan although the demand for optometrists is on the increase not only within the country but also in other parts of the world. The University of Faisalabad and Medical and Dental College associated with it have state of the art facilities in the form of infrastructure, well equipped labs and highly qualified faculty. In addition to above, Madinah Teaching Hospital and its Eye Centre have all the facilities required for any type of diagnosis, treatment in general and in eye care. The university's program of Optometry is planned to cover courses relevant to optometry as well as Vision Sciences. The first two semesters offer foundation courses.

The students will develop clinical skills through deep understanding of anatomy, physiology and pathology of the visual system in the conducive classroom teaching as well as working in the clinical skills center during the first 2 years of education. During the next semesters the students will develop the knowledge and achieve the clinical skills required for modern optometric practice. They will also work under the supervision of team of experts working in Eye Clinic, a component of Madinah Teaching Hospital of The University of Faisalabad. Our Eye Clinic is one of the oldest and well known eye centers throughout the province of Punjab for treating

patients with eye diseases. Cornea plantation facility is also available. A large number of patients have benefited from this centre. Special seminars on topics such as practice management and administration, primary care diagnosis and treatment, and new development in optometry are arranged during final years of study

Objectives

The students will carry out full eye examinations and gain specialist skills such as pediatric, binocular vision, contact lens and dispensing. In addition they will examine patients with a range of eye diseases and gain experience in dispensing spectacles.

Career Opportunities

Being a newly introduced program in Optometric and Visionary Science, it has tremendous job opportunities in public and private sector hospitals in the country. The graduates have opportunity for employment in pharmaceutical industry. Moreover running an independent optometric clinic will prove a noble option and fruitful experience.



BS Optometry

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies	2(2-0)
English I	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Biochemistry	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Vision Sciences-I	3(2-1)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English III	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Vision Science-II	3(2-1)
Credit Hours	16

Semester IV

Course Title		Cr Hr
Sociology		3(3-0)
Teaching of Holy Quran with Translation	on IV	1(1-0)
Ocular Anatomy and Physiology		3(3-0)
Optics-I		2(2-0)
Ocular Disease -l		3(3-0)
Ophthalmic Dispensing-I		3(2-1)
Clinical Refraction		3(3-0)
	Credit Hours	18

Semester V

Course Title		Cr Hr
Entrepreneurship		3(3-0)
Biostatistics		3(3-0)
Low Vision-I		3(2-1)
Optics-II		2(2-0)
Ocular Disease-II		3(3-0)
Ophthalmic Dispensing-II		2(2-0)
Clinical Practice of Refraction		2(0-2)
	Credit Hours	18

Semester VI

Course Title	Cr Hr
Patient Care	2(2-0)
Research Methodology	3(2-1)
Low Vision-II	3(2-1)
Orthoptics-I	3(2-1)
Contact Lens-I	2(2-0)
Diagnostic Instruments-I	3(3-0)
Credit Hours	16

Semester VII

Course Title	Cr Hr
Clinical Medicine	3(2-1)
Community Medicine	2(2-0)
Retinal Diseases	3(3-0)
Orthoptics-II	3(3-0)
Contact Lens-II	3(2-1)
Diagnostic Instruments-II	3(2-1)
Credit Hours	17

Semester VIII

Course Title	Cr Hr
Research Project	6(0-6)
Neuro-Ophthalmology	2(2-0)
Clinical Practice(Contact lens & Refraction)	3(0-3)
Ocular Pharmacology	2(2-0)
Pediatric Optometry	2(2-0)
Credit Hours	15

Semester IX

Course Title	Cr Hr
Surgery	2(2-0)
Medical Ethics	1(1-0)
Clinical Rotations I(Refraction and Pediatric care)	4(0-4)
Clinical Rotations II (Diagnostic & Cornea)	3(0-3)
Clinical Rotations III (Contact Lens, Dispensing)	4(0-4)
Basic Life Support	2(1-1)
Credit Hours	16

Semester X

Course Title	Cr Hr
Ophthalmic Screening Observations	3(2-1)
Clinical Rotation IV (General Ophthalmology)	4(0-4)
Clinical Practice (Low Vision)	2(0-2)
Clinical Rotation V (Orthoptics and Surgical Plan)	2(0-2)
Minor OT Procedures	2(1-1)
Ocular Emergency Handling	3(2-1)
Credit Hours	16
Total Credit Hours	162

Postgraduate Program

MPhil Optometry

Program: MPhil Optometry

Short Title: MPO

Duration: 4 semester (2 years)

Credit Hours: 30

Eligibility: Doctor of Optometry/ BS Optometry

with minimum CGPA 2.0 out of 4.00.

GAT (General)/TUF Entry Test with minimum 50%

score.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Research methodology & scientific interpretation	2(2-0)
Biostatistics	2(2-0)
Advance Ocular pathology & Therapeutics	3(2-1)
Epidemiology & Community Eye Health	3(2-1)
Neuro Vision	2(2-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Advance Pediatric Optometry & clinical Orthoptics	3(2-1)
Advance Contact lens & Ocular Prosthesis	2(1-1)
dvance Refraction, Dispensing & Optics	3(2-1)
Advance Low vision & Rehabilitation	2(2-0)
Diagnostic Investigations, Lasers & Refractive Surgery	2(1-1)
Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Thesis		6(0-6)
	Total Credit Hours	30







DEPARTMENT OF PATHOLOGY

- BS Medical Laboratory Sciences
- MPhil Morbid Anatomy & Histopathology



This core curriculum implies the theoretical knowledge, practical skills and problem-solving capacities necessary for entry into practice at the scientist level. Our students will experience a conducive learning environment at the University and MTH diagnostic Laboratory where the theoretical background introduced during lecture sessions will be allied to clinical laboratory practice by developing methodological proficiency. This degree program is exactly planned to meet the academic requirements and skills as a Clinical Laboratory Scientist in Pakistan.

Dr Shazia Aslam Head, Department of Pathology



BS Medical Laboratory Sciences

Program: BS Medical Laboratory Sciences

Short Title: BSMLS

Duration: 8 Semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate Pre-Medical with

minimum 45% marks or equivalent.

Location: Health Sciences wing &

Engineering wing

Program Description

This program will prepare graduates for an extensive range of positions in the medical laboratory. The core curriculum includes growth of the theoretical knowledge, practical skills, and problem-solving capacities necessary for entry into practice at the scientist/technologist level. After getting enrolled in the program, students will experience a conducive learning environment in the MTH diagnostic Laboratory

where the theoretical background introduced during lecture sessions will be allied to clinical laboratory practice by developing methodological proficiency. The educational knowledge will be incorporated with clinical internships at local affiliated clinical laboratories. This degree program is exactly planned to meet the academic requirements as a Clinical Laboratory Scientist/Technologist in Pakistan.

Objectives

- Graduates will be competent with the knowledge and technical skills to obtain national certification at the Scientist/technologist level of practice.
- They will be proficient in performing the full range of clinical laboratory tests in areas such as hematology, clinical biochemistry, immunohematology, histopathology, microbiology, serology/immunology, coagulation, molecular, and other emerging diagnostics.
- They will play a role in the development and evaluation of test systems and interpretive algorithms.
- They will be capable to have diverse responsibilities in areas of analysis and clinical decision-making, regulatory compliance with applicable regulations, education, and quality assurance/performance improvement wherever laboratory testing is researched, developed or performed.



BS Medical Laboratory Sciences

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies /Ethics	2(2-0)
English I (Reading & Writing Skills)	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Biochemistry	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Fundamental of Medical Laboratory Sciences	3(3-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	1(1-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Clinical Microbiology	3(2-1)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Sociology	3(3-0)
Hematology	3(2-1)
Clinical Chemistry	3(2-1)
Biosafety and Biohazards	3(3-0)
Forensic Sciences	3(3-0)
Credit Hours	16

Semester V

Cr Hr
3(3-0)
3(3-0)
3(3-0)
3(2-1)
3(2-1)
2(2-0)
17

Semester VI

Course Title	Cr Hr
Patient Care	2(2-0)
Research Methodology	3(2-1)
Molecular Biology	3(3-0)
Cytology and Cytotechnology	3(2-1)
Advanced Clinical Chemistry and Body Fluid Examination	3(2-1)
Immunology & Serology	3(2-1)
Credit Hours	17

Semester VII

Course Title	Cr Hr
Transfusion Hematology and Blood Banking	3(2-1)
Cytopathology	3(2-1)
Clinical Virology and Mycology	3(2-1)
Immunohematology	3(2-1)
Histotechnology and Special Stains	2(0-2)
Clinical Practice-I	3(0-3)
Credit Hours	17

Semester VIII

Semester viii	
Course Title	Cr Hr
Research Project	6(0-6)
Systematic Diagnostic in Bacteriology	3(2-1)
Histopathology	3(2-1)
Clinical Practice-II	3(0-3)
Credit Hours	15
Total Credit Hours	128

Postgraduate Program

MPhil Morbid Anatomy and Histopathology

Program: MPhil Morbid Anatomy and

Histopathology

Short Title: MAHIS

Duration: 4 Semesters (2 years)

Credit Hours: 30

Eligibility: 16 years relevant education with

minimum CGPA 2.0 out of 4.00. GAT (General)/TUF Entry Test with

minimum 50% score

Location: Health Sciences wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Essentials of Cellular Pathology	2(2-0)
Medical Bacteriology	1(1-0)
Cardiopulmonary disorders	2(1-1)
Medical Microbiology	3(2-1)
Musculoskeletal & nervous system	2(1-1)
Immunology & Genetics	2(1-1)
Credit Hours	12

Semester II

Course Title	Cr Hr
ENR disorders	3(2-1)
Aero Digestive & Integumentary System	2(1-1)
Histo-cytotechnology	1(0-1)
Hematolymphoid Disorders	2(1-1)
Research methodology & Biostatistics	2(1-1)
Seminar-I	2(0-2)
Credit Hours	12

Semester III & IV

Course Title	Cr Hr
Thesis	06
Credit Hours	06
Total Credit Hours	30







DEPARTMENT OF RADIOLOGY

BS Imaging Sciences



TUF takes pride in consistently promoting its priorities excellence in clinical care, teaching and research. A career in radiological Science is a fascinating one as Medical Imaging Sciences work as part of the clinical team taking care of patients. Images obtained by radiological science professionals are the first line of diagnosis and treatment for a patient. This five years degree program will allow you to become a vital member of health care team contributing to the well-being of the society.

Prof Dr Nayab Alia Head, Department of Radiology



BS Imaging Sciences

Program: BS Imaging Sciences

Short Title: BSIMS

Duration: 10 Semesters (5 years)

Credit Hours: 162

Eligibility: Intermediate Pre-Medical with

minimum 50% marks or equivalent.

Location: Health Sciences wing

Program Description

Radiologic Science which deals with the use of ionizing radiation including X rays and other forms of radiant energy in the diagnosis / treatment and management of diseases is an independent area of modern medical sciences and pivot of modern diagnostic machines. It is a health care profession combining state of the art technology and imaging techniques with human compassion to provide a rewarding career.

Objectives

- Work with Radiologist as a part of their team member in primary, secondary and tertiary health care settings, managing and diagnosing different diseases.
- Pursuit their career in different research settings in an effective way.
- Assess, apply, and assimilate investigative knowledge to improve patient care.



- Demonstrate understanding of ethical principles of autonomy, beneficence, informed consent, and confidentiality.
- Practice quality cost-effective healthcare

Career Opportunities

There are plenty of opportunities for graduate Radiographers in teaching and general hospitals to perform in patient assessment, patient management, fluoroscopy and other radiologic procedures, as assistant of Radiologists in hospitals, private clinics, administrator of radiology departments and labs, registered educator of radiography and marketing manager of radiography instruments.



BS Imaging Sciences

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies /Ethics	2(2-0)
English I (Reading & Writing Skills)	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Biochemistry	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Medical Radiological Physics and Radiation Sciences & Technology	3(3-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	1(1-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Cross Sectional Anatomy-I	3(2-1)
Credit Hours	16

Semester IV

Course Title		Cr Hr
Teaching of Holy Quran with Translation-IV		1(1-0)
Sociology		3(3-0)
Surgery-I		3(3-0)
Medicine -I		3(3-0)
Cross Sectional Anatomy-II		3(2-1)
General Radiology and Basics of Ultrasound		3(3-0)
	Credit Hours	16

Semester V

Course Title	Cr HR
Entrepreneurship	3(3-0)
Biostatistics	3(3-0)
Surgery—II	3(3-0)
Medicine- II	3(3-0)
Gynecology and Obstetrics	3(3-0)
Basics of Doppler Ultrasound & Musculoskeletal	3(2-1)
Credit Hours	18

Semester VI

Course Title	Cr Hr
Patient Care	2(2-0)
Research Methodology	3(2-1)
Principles of Echocardiography	3(2-1)
Obstetrical Ultrasound	3(2-0)
Abdominal and Gynecological Ultrasound	3(2-1)
Computed Tomography (CT)-I	3(2-1)
Credit Hours	17

Semester VII

Course Title	Cr Hr
Radiography imaging Procedures	3(1-2)
Vascular Ultrasound	3(2-1)
Advances in Medical Imaging Technology	3(2-1)
Magnetic Resonance Imaging (MRI)	4(2-2)
Computed Tomography (CT)-II	3(2-1)
Computed Tomography (CT)-I	3(2-1)
Credit Hours	16

Semester VIII

Course Title	Cr Hr
Research Project	6(0-6)
Diagnostic Nuclear Medicine Techniques	2(2-0)
Mammography Radiological Techniques	3(2-1)
Angiography and Cardiac Imaging	2(1-1)
Interventional Radiology	2(1-1)
Computed Tomography (CT)-I	3(2-1)
Credit Hours	15

Semester IX

Course Title		Cr Hr
Clinical Practice in Radiology I (CT Scan)		4(0-4)
Clinical Practice in Radiology II (MRI)		4(0-4)
Clinical Practice in Radiology III (Ultrasound)		3(0-3)
Medical Imaging in Emergency Medicine		3(1-2)
Musculoskeletal Ultrasound		3(1-2)
	Credit Hours	17

Semester X

Course Title	Cr Hr
Clinical Practice in Radiology IV (Fluoroscopy)	4(0-4)
Clinical Practice in Radiology V (Mammography)	3(0-3)
Clinical Practice in Radiology VI(X ray)	4(0-4)
Interventional Radiology II	3(1-2)
Equipment Safety	3(1-2)
Credit Hours	17
Total Credit Hours	162

DEPARTMENT OF NUTRITION & DIETETICS

- BS Dietetics & Nutritional Sciences
- MPhil Dietetics and Nutritional Sciences
- PhD Dietetics and Nutritional Sciences

BS Dietetics & Nutritional Sciences

Program: BS Dietetics and Nutritional Sciences

Short Title: BSDNS

Duration: 10 Semesters (5 years)

Credit Hours: 162

Eligibility: Intermediate Pre-Medical with 50%

marks or equivalent

Location: Health Sciences wing &

Engineering wing

Program Description

Nutrition is the study of the role of food nutrients in the body. Dietetics is concerned with the prevention and treatment of a variety of food-related diseases. Pakistani population is currently suffering from a variety of nutritional deficiency disorders in various sectors of the country. Multiple factors initiate the propagation of these diseases generally, such as poor maternal and child health, low levels of micronutrients in the soil causing bioavailability issues, high burden of morbidity, mental and physical disabilities of various types.

Chronic and acute malnutrition in the country is primarily accredited to high illiteracy among the mothers, poverty and lack of cutting edge research to devise local solutions to curb this situation. Overcoming malnutrition not only improves productivity, but also reduces disease burden and national growth, as well as wellbeing of an individual. The current situation demands serious collaborative efforts to strengthen the nutritional education and to devise proactive interventions for vulnerable population groups. The role

of nutritionists and dieticians is to interpret scientific knowledge about food in relation to health and disease, so as to help the people to change their eating habits to improve their health status.

Keeping in view the excelling importance and awareness about the field of food and nutrition there was a dire need to launch graduate program of Dietetics and Nutritional Sciences in The University of Faisalabad. The program has been planned to prepare graduates to work as professional nutritionists and dieticians in a range of settings.

This sustainable approach is to prevent and cure diseases with diet management by realizing the importance of human nutrition in daily life and calamities such as earthquake, drought, famine and disasters. This degree program aims to prepare graduates with the professional and personal qualities required for future dietetics practices. This 5 year degree program integrates academic teaching and learning with clinical, population health, research and management experience.

Scope

- Nutritionists
- Nutrition Educationists
- Nutrition Consultants
- Dieticians
- Public Health Nutritionists
- Clinical Dieticians
- Food Service Administrators
- Nutrition and Health Expert
- Weight Management Expertise
- Therapeutic Diet Planning







BS Dietetics & Nutritional Sciences

Program: BS Dietetics and Nutritional Sciences

Short Title: BSDNS

Duration: 10 Semester (5 years)

Credit Hours: 162

Eligibility: Intermediate Pre-Medical with 50%

marks or equivalent

Location: Health Sciences wing &

Engineering wing

Scheme of Studies

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Fundamentals of Human Nutrition	3(3-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English III	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Macronutrients in Human Nutrition	3(3-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
Micronutrients in Human Nutrition	3(3-0)
Food Analysis	3(1-2)
Nutrition through Life Cycle	3(3-0)
Food Microbiology	3(2-1)
Credit Hours	16

Semester V

Course Title		Cr Hr
Entrepreneurship		3(3-0)
Biostatistics		3(3-0)
Nutrition Education and Public Health		3(2-1)
Food Toxins and Allergens		3(3-0)
Assessment of Nutritional Status		3(2-1)
Food Safety and Quality Management		3(2-1)
	Credit Hours	18

Semester VI

Course Title	Cr Hr
Research Methodology	3(2-1)
Patient Care	2(2-0)
Functional and Nutraceutical foods	2(2-0)
Nutritional Deficiency Disorders	3(3-0)
Meal Planning and Food Service Management	3(2-1)
Nutrition in Emergencies	3(3-0)
Credit Hours	16

Semester VII

Course Title	Cr Hr
Nutritional Practices in Clinical Care	3(2-1)
Food Chemistry	3(3-0)
Sports Nutrition	3(2-1)
Dietetics	3(2-1)
Metabolism of Nutrients	3(3-0)
Food Supplements	2(2-0)
Credit Hours	17

Semester VIII

Course Title		Cr Hr
Clinical Nutrition and Diet Therapy		3(2-1)
Nutrition Immunology		3(3-0)
Food Additives		3(3-0)
Infant and Young Child Feeding		3(2-1)
Advance Dietetics		3(2-1)
	Credit Hours	15

Semester IX

Course Title	Cr Hr
Preventive Nutrition	3(3-0)
Drug Nutrient Interactions	3(3-0)
Global Food Issues	3(3-0)
Seminar (Synopsis Defense)	2(0-2)
Supervised Clinical Practice I	3(0-3)
Nutrition Epidemiology	3(3-0)
Credit Hours	17

Semester X

Course Title	Cr Hr
Research Project	6(0-6)
Supervised Clinical Practice II	3(0-3)
Recent Advances in Human Nutrition	3(3-0)
Research methods in Human Nutrition	3(3-0)
Dietary Modelsand Counseling	2(0-2)
Credit Hours	17
Total Credit Hours	162

Postgraduate Programs

MPhil Dietetics and Nutritional Sciences

Program: MPhil Dietetics & Nutritional Sciences

Short Title: MPDNS

Duration: 4 semester (2 years)

Credit Hours: 30

Eligibility: 16 Years of Education, BS (4 Year)

MA/MSc (2 Year) in the relevant field, with CGPA 2.0 /4.0, GAT (General)/ TUF Entry Test with minimum 50%

score

Location: Health Sciences wing

Scheme of Studies

Semester I

Course Title	Nature	Cr Hr
Biostatistics	Minor	2(2-0)
Nutrition in Health and Disease	Major	2(2-0)
Food Deficiencies and Combating Strategies	Major	3(2-1)
Advanced Dietetics and Applied Nutrition	Major	3(2-1)
Preventive Nutrition	Major	2(2-0)
Credit Hours		12(10-2)

Semester II

Course Title	Nature	Cr Hr
Analytical Techniques in Human Nutrition	Major	3(1-2)
Nutritional Deficiency Disorders	Major	3(3-0)
Research Methods in Human Nutrition	Major	3(3-0)
Biochemistry and Physiology of Human Body	Minor	3(2-1)
Cred	it Hours	12(9-3)

Semester II

Course Title	Nature	Cr Hr
Thesis (Data collection and Write-Up) Major		6(0-6)
Credit Hours		06
Total Credit Hours		30

Elective Courses

Course Title	Nature	Cr Hr
Global Food and Nutrition Issues	Major	3(3-0)
Nutritional Management in Disasters	Major	3(3-0)
Functional Foods and Nutraceuticals	Major	3(3-0)
Food Supplements	Major	3(3-0)



PhD Dietetics and Nutritional Sciences

Program: PhD Dietetics & Nutritional Sciences

Short Title: PhDDNS

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.

• 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.

Location: Health Sciences wing

List of Courses

Course Title	Cr Hr
Nutrition in Health and Disease	3(3-0)
Advanced Dietetics and Applied Nutrition	3(2-1)
Analytical Techniques in Human Nutrition	3(0-3)
Research Methods in Human Nutrition	3(3-0)
Recent Advances in Human Nutrition and Dietetics	3(3-0)
Special Problem	1(0-1)
Seminar (Synopsis Defense)	1(0-1)
Strategic Plan Combating Nutritional Deficiencies	3(2-1)
Research & Thesis	6(0-6)
Biochemistry and Physiology of Human body	3(2-1)
Biostatistics	3(2-1)

DEPARTMENT OF ANESTHESIA

· BS Anesthesia Technology



"

Anaesthesia is an important part of surgery. It enables patients to undergo an operation safely without experiencing distress and pain. Our department of Anesthesiology has a strong interest in translational research and biomedical engineering and is well equipped to make a meaningful contribution to the patient care.

Prof Dr Nadia Bano Head, Department of Anesthesia

BS Anesthesia Technology

Program: BS Anesthesia Technology

Short Title: BSAT

Duration: 10 Semesters (5 years)

Credit Hours: 162

Eligibility: Intermediate Pre-Medical with

minimum 50% marks or equivalent

Location: Health Sciences wing

Program Description:

This course trains students in aspects such as anesthesia equipment, anesthesia techniques, anesthetic agents and dosage, patient monitoring and anesthesia supplies. The knowledge and skills that they acquire helps them in choosing appropriate anesthetic, determining appropriate dose, operating anesthetic equipment and monitoring patients' conditions.

Objectives:

Anesthesia Technology education and training will enable student to:

Develop accuracy and meticulousness to attain high

levels of ethics and technical proficiency

- Assess the technical and non-technical skills in a standardized and reproducible environment
- Develop good leadership, problem solving and administrative skills
- Develop and analyze innovative strategies for effective communication with the patients and the healthcare personnel
- Demonstrate interdisciplinary team building strategies for effective co-ordination between various Allied Health Disciplines.
- Demonstrate understanding of the basic concepts of professional behavior and legal implications of the work environment.

Career Opportunities:

- Anesthesia technologists provide services and work in many different types of facilities, including:
- Hospital operating rooms
- Intensive care units
- Emergency rooms
- Emergency ambulatory vehicles
- Delivery rooms



"



BS Anesthesia Technology

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies /Ethics	2(2-0)
English I (Reading & Writing Skills)	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Biochemistry	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Physics Related to Anesthesia and Anesthesia Equipment	3(2-1)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	1(1-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Clinical Microbiology	3(2-1)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Hematology	3(3-0)
Sociology	3(3-0)
General Surgery-I	3(3-0)
General Medicine -I	3(3-0)
Anesthesia & Co-Existing Diseases	3(2-1)
Credit Hours	16

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Biostatistics	3(3-0)
General Medicine II	3(3-0)
General Surgery II	3(3-0)
Infection Control	2(2-0)
Types of Anesthesia	3(2-1)
Credit Hours	17

Semester VI

Course Title	Cr Hr
Basic Nursing Skills	2(1-1)
Patient Care	2(2-0)
Research Methodology	3(2-1)
Pre/Post-Operative Assessment, Care & Medication	3(2-1)
Anesthesia related Complications & Their Management	3(1-2)
Anesthesia for Cardiothoracic Surgery	3(1-2)
Credit Hours	16

Semester VII

Course Title	Cr Hr
Fundamentals of Emergency Medical Care	3(2-1)
Anesthesia for Neuro&Emergency Surgery	3(1-2)
Anesthesia for Surgical Procedures	3(1-2)
Anesthesia for Eye Surgical Procedures	3(1-2)
Anesthesia for Obstetric Surgery	3(1-2)
Public Health and Epidemiology	2(2-0)
Credit Hours	17

Semester VIII

Course Title	Cr Hr
Research Project	6(0-6)
Evidence Based Practice	4(0-4)
Anesthesia for Dental, Maxillofacial, Head & Neck Surgery	3(1-2)
Anesthesia for ENT Surgery	3(1-2)
Credit Hours	16

Semester IX

Course Title	Cr Hr
Anesthesia for Pediatric Surgery	3(1-2)
Anesthesia for Orthopedic Procedures	2(1-1)
Clinical Practice inAnesthesia (Obsterti Surgery)	4(0-4)
Clinical Practice inAnesthesia(Eye Surgical Procedure)	4(0-4)
Clinical Practice in Anesthesia (Dental and Maxillofacial Surgery)	4(0-4)
Credit Hours	17

Semester X

Course Title	Cr Hr
Anesthesia for Geriatric Surgery	3(1-2)
Anesthesia for Urological Procedures	2(1-1)
Clinical Practice in Anesthesia (Head and Neck Surgery)	4(0-4)
Clinical Practice in Anesthesia (Cardiothoracic Surgery)	4(0-4)
Clinical Practice in Anesthesia (Neuro & Emergency Surgery)	4(0-4)
Credit Hours	17
Total Credit Hours	162

DEPARTMENT OF DENTISTRY

BS Dental Sciences



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We strive to provide you with an exceptional learning experience through interactive teaching, hands on practice on modern equipment and activities for intellectual development.

"

Dr Nida Khan Head, Department of Dentistry



BS Dental Sciences

Program: BS Dental Sciences

Short Title: BSDT

Duration: 8 Semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate Pre-Medical with minimum second division or

equivalent

Location: Health Sciences wing

Program Description

Dental technology will help to prepare a specialist who will be able to manufacture dentures and orthodontic appliances independently, to choose the materials, equipment and various manufacturing technologies, to introduce new denture manufacturing technologies in support of research, collaborate with other health care professionals, to organize dental laboratory activities.

Objectives

- To provide theoretical knowledge and practice for construction of fixed prostheses
- To provide theoretical knowledge and practice for construction implant supported prostheses
- To provide students with theoretical knowledge and practice on different designs of orthodontic appliances.
- To equip the students with the professional ethics as a profession

Career 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 Sciences

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies /Ethics	2(2-0)
English I (Reading & Writing Skills)	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Biochemistry	3(2-1)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Physiology	3(2-1)
Anatomy	3(3-0)
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Dental Morphology	3(2-1)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	1(1-0)
English-III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Pharmacology	3(2-1)
Pathology	3(3-0)
Clinical Microbiology	3(2-1)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Sociology	3(3-0)
General Surgery-I	3(3-0)
General Medicine -I	3(3-0)
Oral Histology	3(2-1)
Oral Pathology	3(2-1)
Credit Hours	16

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Biostatistics	3(3-0)
Infection Control	2(2-0)
Oral Surgery	3(2-1)
Oral Medicine	3(2-1)
Dental Materials	3(2-1)
Credit Hours	17

Semester VI

Course Title	Cr Hr
Basic Nursing Skills	2(1-1)
Patient Care	2(2-0)
Research Methodology	3(2-1)
Periodontology	3(2-1)
Prosthodontics-I	3(1-2)
Community Dentistry	3(2-1)
Credit Hours	16

Semester VII

Course Title		Cr Hr
Oral Radiology		3(2-1)
Dental Instrumentation		3(2-1)
Prosthodontics-II		3(1-2)
Maxillofacial Surgery-I		3(1-2)
Preventive Dentistry		3(3-0)
Bridge Design & Implantology		3(1-2)
	Credit Hours	18

Semester VIII

Course Title		Cr Hr
Research Project		6(0-6)
Maxillofacial Surgery-II		3(1-2)
Operative Dentistry		3(1-2)
Evidence Based Practice		3(0-3)
	Credit Hours	15
	Total Credit Hours	128

DEPARTMENT OF BIOTECHNOLOGY

BS Biotechnology



"

The ultimate goal of medicine and research is to serve humanity. That focus informs everything we do, from admissions to curriculum design to teaching and mentoring. We are offering BS and MPhil degree programs under the umbrella of Biotechnology Department. We are committed to anticipating and adapting to meet the everchanging future environment and needs while addressing current opportunities.

Dr Shaista Shafiq Head, Department of Biotechnology

BS Biotechnology

Program: BS Biotechnology

Short Title: BSBT

Duration: 8 Semesters 4 years)

Credit Hours: 128

Eligibility: Intermediate Pre-Medical with

minimum second division or

equivalent

Location: Health Sciences wing &

Engineering wing

Objectives

The graduates will be able to:

- Learn the scope, concepts, and terminology of biotechnology
- Investigate and explain current events and advances in biotechnology
- Perform techniques involving measurement
- Perform techniques involving the manipulation of DNA

Role and Scope

Graduates after completion of course can choose to become a:

- · Microbiologist in the food industry
- · Geneticist in the field of medical research
- Junior scientist in research labs
- · Biotechnology industries







BS Biotechnology

Scheme of Studies

Semester I

Delinester :		
Course Title		Cr Hr
Islamic Studies		2(2-0)
Teaching of Holy Quran With Translation-I		1(1-0)
English I (Reading & Writing Skills)		3(3-0)
Mathematics		3(3-0)
Introduction to Information and Communication Technologies	n	3(3-0)
Biochemistry		3(2-1)
	Credit Hours	15

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran With Translation-IV	1(1-0)
Sociology	3(3-0)
Ecology, Biodiversity Evolution -II	3(2-1)
Physical Chemistry	3(3-0)
Classical Genetics	3(3-0)
Bioinformatics	3(1-2)
Credit Hours	16

Semester VII

Semester vii		
Course Title		Cr Hr
Genomics & Proteomics		3(3-0)
Health Biotechnology		3(3-0)
Food Biotechnology		3(2-1)
Cell and Tissue Culture Technology		3(3-0)
Recombinant DNA Technology		3(3-0)
	Credit Hours	15

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English- II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation-II	1(1-0)
Organic &Inorganic Chemistry	3(2-1)
Cell Biology	3(2-1)
Introduction to Biotechnology	3(3-0)
Credit Hours	15

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Biostatistics	3(3-0)
Biological Physics	3(3-0)
Methods in Molecular Biology	3(2-1)
Principles of Biochemical Engineering	3(2-1)
Immunology	3(3-0)
Credit Hours	18

Semester VIII

Jennester viii		
Course Title		Cr Hr
Research Project		6(0-6)
Biosafety & Bioethics		2(2-0)
Seminar-I		1(1-0)
DNA Damage and Repair		3(3-0)
Industrial Biotechnology		3(2-1)
	Credit Hours	15
Total Credit Hours		128

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	1(1-0)
English-III (Technical Writing & Presentation Skills)	3(3-0)
Psychology	3(3-0)
Ecology, Biodiversity & Evolution -I	3(3-0)
Microbiology	3(2-1)
Analytical Chemistry & Instrumentation	3(2-1)
Credit Hours	16

Semester VI

Course Title	Cr Hr
Research Methodology	3(2-1)
Molecular Biology	3(2-1)
Genetic Resources & Conservation	3(3-0)
Microbial Biotechnology	3(2-1)
Agriculture Biotechnology	3(2-1)
Environment Biotechnology	3(3-0)
Credit Hours	18

Postgraduate Program

MPhil Biotechnology

Program: MPhil Biotechnology

Short Title: MPBT

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility: BS Biotechnology/ Biological

Sciences/ Bioinformatics or equivalent with minimum CGPA 2.0 out of 4.00 GAT (General)/TUF Entry Test with

minimum 50% score.

Location: Health Sciences wing &

Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Fundamental Biotechnology	3(3-0)
Advances in Industrial Biotechnology-I	3(3-0)
Environmental Biotechnology-I	3(3-0)
Research Methodology	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Advances in Medical Biotechnology	3(3-0)
Advances in Industrial Biotechnology-II	3(3-0)
Environmental Biotechnology-II	3(3-0)
Biostatistics	3(3-0)
Credit Ho	ours 12

Semester III & IV

Course Title		Cr Hr
Research and Thesis		06
	Total Credit Hours	30







DEPARTMENT OF PSYCHOLOGY

BS Psychology



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We strive to provide you with an exceptional learning experience through interactive teaching, hands on practice on modern equipment and activities for intellectual development.

"

Prof Dr Tariq Rasheed Head, Department of Psychology

BS Psychology

Program: BS Psychology

Short Title: BSPSY

Duration: 8 Semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate Pre-Medical with

minimum 50 % marks or equivalent

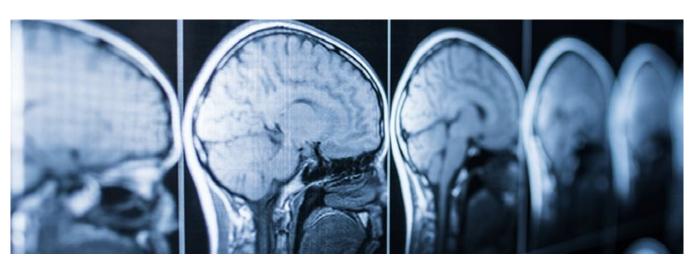
Location: Health Sciences wing

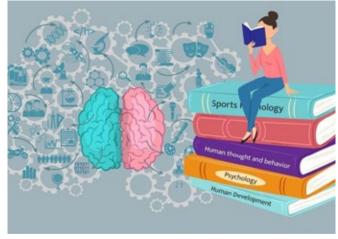
Objectives

- To develop critical thinking and problem-solving skills
- To prepare students for a career in the profession of psychology
- To provide the concepts and model the behaviors indicative of ethical practice within the profession of psychology.
- Apply knowledge of psychology (e.g., decision strategies, life span process, types of psychological careers) to formulating career choices
- Define preferred career paths based on accurate selfassessment of abilities, achievement, motivation, and work habits

Role and Scope

- Can work as clinical psychologist, psychologist, psychologist assistant, rehab therapist, clinical psychologist in health care units, hospitals, residential health care facilities, nonresidential health care facilities, private practice and academic institutions.
- As an academician to teaching to under post graduates.
- Can work as policy maker in local, state and federal government agencies and public health departments.
- As a researcher
- As an organizational psychologist





BS Psychology

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies-I	2(2-0)
English I	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Introduction to Psychology	3(3-0)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English II	3(3-0)
Economics	3(3-0)
Applied Areas of Psychology	3(3-0)
Practicals in Psychology	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
English III	3(3-0)
Social Psychology	3(3-0)
Cognitive Psychology	3(3-0)
Biology	3(3-0)
Environmental Psychology	3(3-0)
Teaching of Holy Quran with Translation III	1(1-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
English III	3(3-0)
Cross Cultural Psychology	3(3-0)
Ethical Issues in Psychology	3(3-0)
Gender Issues in Psychology	3(3-0)
Language (any UN language)	3(3-0)
Teaching of Holy Quran with Translation IV	1(1-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Statistics	3(3-0)
Psycho-pathology	3(3-0)
Schools and Perspectives in Psychology	3(3-0)
Developmental Psychology	3(3-0)
Psychological Assessment	3(3-0)
Credit Hours	15

Semester VI

Course Title	Cr Hr
Research Methodology	3(3-0)
Theories of Personality	3(3-0)
Biological Basis of Behavior	3(3-0)
Data Analysis using SPSS	3(3-0)
Social Psychology	3(3-0)
Health Psychology	3(3-0)
Credit Hours	18

Semester VII

Course Title	Cr Hr
Experimental Psychology	3(3-0)
Lab Experiments	3(3-0)
Elective-I	3(3-0)
Elective-II (Practicum / Case Reports)	3(3-0)
Active Citizenship/Voluntary work/ Community work	3(3-0)
Credit Hours	15

Semester VIII

Course Title	Cr Hr
Research Project/Thesis	6(0-6)
Positive Psychology	3(3-0)
Peace Psychology	3(3-0)
Elective-III	3(3-0)
Elective-IV (Practicum / Case Reports/Internship)	3(3-0)
Credit Hours	18
Total Credit Hours	128

SCHOOL OF NURSING

- BS Nursing
- BS Nursing (Post RN)



Our school, as the premier nursing institution in Faisalabad, is well known for excellence in education, research and community service. The state-of-art clinical lab simulations, innovative teaching strategies, excellent clinical practice settings and prolific faculty provide our students with the best opportunities and environment for growth and professional development. We look forward to helping you reach your career goals and becoming future healthcare leaders.

Ms Asma Naveed Rind Principal SON

BS Nursing

Program: BS Nursing

Short Title: BSN

Duration: 8 Semesters (4 years)

Credit Hours: 141

Eligibility: Intermediate Pre-Medical with 50%

marks or equivalent

Location: Health Sciences wing

Program Description

The course curriculum and examinations of BS Nursing degree program are governed as per the rules and regulations of Pakistan Nursing Council (PNC) and HEC. This degree program educates the graduates to provide safe, competent and compassionate nursing care that is based on research integrated nursing knowledge, skills and a professional attitude. They all are prepared to practice nursing and work collaboratively with individuals, families, groups and communities in a variety of settings to promote health and wellbeing.

Objectives:

The program of BS Nursing aims to:

• Prepare competent, committed, knowledgeable

- nurses for hospital and community settings
- Produce nurses who will integrate evidence-based study into clinical practice for the care of individuals, families and communities
- Enable nurses to meet the future challenges, including changes in technology
- Educate nurses with appropriate knowledge, skills and attitudes with clinical competency
- Develop nurses who can provide preventive, curative and rehabilitative health care to populations in rural and urban settings
- Initiate a leadership role in the planning, implementing, evaluation of individual, family and community.

Career Opportunities:

BSN graduate is prepared to be a safe clinical nurse, who will be able to provide comprehensive care at primary, secondary, and tertiary levels within hospitals and community setting. In addition, nurses can persue higher education such as MSN, PhD and specialize in obstetrics, pediatrics, psychiatric health nursing. In Pakistan there is a huge shortage of qualified nurses and their demand is on the rise due to development of medicine facilities. The interested candidates can join the profession and make it a career.





BS Nursing

Scheme of Studies

1st Year (Semester-I)

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Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Fundamental of Nursing-I	2.00		2.00	4.00
Microbiology	2.00		1.00	3.00
Anatomy and Physiology-I	3.00			3.00
Biochemistry for Nurses	2.00		1.00	3.00
English-I	2.00			2.00
Computer Skills			1.00	1.00
Teachings of Holy Quran with Translation	1.00			1.00
Nursing Ethics	1.00			1.00
		C	redit Hours	18

1st Year (Semester-II)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Fundamental of Nursing-II	2.00	1	1.00	4.00
Anatomy and Physiology-II	3.00			3.00
Community Health Nursing-I	2.00	1.00		3.00
Applied Nutrition	1.00			1.00
English-II	2.00			2.00
Islamiat/Ethics	2.00			2.00
Pak Studies*	2.00			2.00
Teachings of Holy Quran with Translation II	1.00			1.00
		C	redit Hours	18

2nd Year (Semester-III)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Adult Health Nursing I	4.00	3	1.00	8.00
Pathophysiology-I	1.00		1.00	2.00
Health Assessment-I	1.00		1.00	2.00
Pharmacology-I	2.00			2.00
Mathematics	1.00			1.00
English-III	2.00			2.00
Teachings of Holy Quran with Translation III	1.00			1.00
		C	redit Hours	18

2nd Year (Semester-IV)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Adult Health Nursing-II	4.00	3.00	1.00	8.00
Pathophysiology-II	2.00		1.00	3.00
Health Assessment-II	1.00		1.00	2.00
Developmental Psychology	2.00			2.00
Pharmacology-II	2.00			2.00
English-IV	2.00			2.00
Teachings of Holy Quran with Translation-III	1.00			1.00
		C	redit Hours	20

3rd Year (Semester-V)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Pediatrics Health Nursing	3.00	3.00	1.00	7.00
Community Health Nursing -II	2.50	2.50	1.00	6.00
Teaching/Learning: Principles and Practices	3.00			3.00
English- V	2.00			2.00
		C	redit Hours	18

3rd Year (Semester-VI)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Mental Health Nursing	3.00	3.00		6.00
Introduction to Biostatics	2.00		1.00	3.00
Behavioral Psychology	3.00			3.00
Epidemiology	2.00			2.00
English-VI	2.00			2.00
Culture, Health and Society	2.00			2.00
Credit Hours			18	

4th Year (Semester-VII)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Critical Care Nursing	2.00	4.00	1.00	7.00
Introduction to Nursing Theories	2			2.00
Leadership & Management in Nursing	2.00	1.00		3.00
Nursing Research	3.00			3.00
English VII	2.00			2.00
		C	redit Hours	17

4th Year (Semester-VIII)

Course Title	Theory	Clinical	Skills/Lab	Cr Hr
Community Health Nursing-III	2.00	3.00		5.00
Nursing Seminar /role transition	2.00			2.00
Clinical Practicum		4.00	1.00	5.00
English VIII	2.00			2.00
		С	redit Hours	14
		Total C	redit Hours	141

BS Nursing (Post RN)

Program: BS Nursing (Post RN BSN)

Short Title: PRN

Duration: 4 Semesters (2 years)

Credit Hours: 64

Eligibility: Diploma in Nursing, Diploma in

Midwifery & Valid registration with

PNC

Location: Health Sciences wing

Scheme of Studies

1st Year (Semester-I)

Course Title	Cr Hr
Biochemistry	2
Advance Concepts in Nursing-1 (Adult Health Nursing)	4
Health Assessment	3
Pharmacology	3
English-I (Functional)	2
Computer Skills & Information Technology	02
Credit Hours	16

2nd Year (Semester-III)

Course Title	Cr Hr
Advance Concepts III (Community Health Nursing)	4
Introduction to Nursing Research	3
Professional Development & Ethics	3
Pak Studies	2
Leadership and Management	3
English-III (Professional writing)	2
Credit Hours	17

1st Year (Semester-II)

Course Title	Cr Hr
Advance Concepts in Nursing(II) Mental Health	4
Introduction to Biostatistics	2
Epidemiology	2
Culture Health & Society	2
Introduction to Nursing Models & Theories	2
English-II (Academics)	2
Principle of Teaching and Clinical Preceptorship	3
Credit Hours	17

2nd Year (Semester-IV)

Course Title	Cr Hr
Research/Evidence based Elective project	4
Clinical Practicum	6
English- IV (Scholarly writing)	2
Islamic Studies/ Ethics (For Non-Muslims)	2
Credit Hours	14
Total Credit Hours	64





FACULTY OF ENGINEERING AND TECHNOLOGY

Department of Electrical Engineering

- Bachelor of Electrical Engineering
- BSc Biomedical Engineering Technology
- BSc Information Engineering Technology
- MS Electrical Engineering
- PhD Electrical Engineering

Department of Civil Engineering

- BS Civil Engineering
- MS Civil Engineering
- PhD Civil Engineering





DEPARTMENT OF ELECTRICAL ENGINEERING

- Bachelor of Electrical Engineering
- MS Electrical Engineering
- PhD Electrical Engineering

Bachelor of Electrical Engineering

Program: Bachelor of Electrical Engineering

Short Title: BEE

Duration: 8 semesters (4 years)

Credit Hours: 136

Eligibility: Intermediate (Pre-Engineering)/DAE

with minimum 60% marks or

equivalent

Program Description:

At the dawn of twenty-first century, the field of electrical engineering expanded far beyond its historical roots to encompass almost any area of engineering activity that depends in some sense, on electrical phenomena. The dramatic growth in the intellectual span of this field requires us to be in line with the changing technology of today. Keeping abreast with the industrial requirements, Electrical Engineering program of The University of Faisalabad has been carefully structured to meet the growing needs of competent engineers in Pakistan and to produce professionals with a suitable platform to pursue higher studies in Pakistan, as well as abroad. Bachelor of Electrical Engineering program of The University of Faisalabad has been duly accredited by Pakistan Engineering Council.



Vision:

The vision of Department of Electrical Engineering is to be recognized as a leader in electrical engineering education and research through excellence in education and targeted research themes in emerging areas.

Mission:

The mission of Department of Electrical Engineering is to prepare technically strong engineering students who can contribute effectively towards the nation, society, and industry through innovation, research, entrepreneurship, leadership, and healthy lifelong learning attitude.

Programing Educational Objectives (PEOs):

PEO-1. To equip electrical engineering students with knowledge, skills and ability to investigate complex engineering problems.

PEO-2. To develop research driven professionals having effective communication and management skills to fulfil modern technological needs of industry.

PEO-3. To nurture ethically, socially and environmentally responsible engineers who would feel the need to contribute towards society and humanity at large.

PEO-4. To inculcate entrepreneurial and innovative mindset in the students for sustainable growth and development..



Program Structure:

The undergraduate programs in electrical engineering offer students a platform which will enable them to be productive in the fields of electrical engineering profession, compete effectively for jobs with national and international companies, and to be active citizens of Pakistan. Engineering curriculum has specially been designed to inculcate thinking process logically, in order to reach sound technical and innovative solutions for various technical problems. Special emphasis has been laid on developing communication and presentation ability of the students. The program has been designed keeping in view guide lines of HEC and PEC.

Career Opportunities:

The electrical engineering programs provide opportunity to the students to gain in-depth knowledge in the fields of electronics, telecommunications, controls and instrumentation. Our students are also expected to acquire key skills such as logical thinking, report writing, presentation skills, and team work.

Our graduates will move on to a wide variety of career opportunities in the fields of electrical, electronics, power, control, instrumentation, communication and computer system engineering. We lay emphasis on not only producing good engineers with analytical skills, but also making our graduates good citizens of Pakistan.

Practical Work:

No engineering program is complete without practical work. Laboratories, with latest state of the art lab equipment, have been established to cover complete spectrum of the engineering curriculum.

Well equipped labs in the area of basic electronics, digital electronics, power electronics, industrial electronics, electrical machines, electrical power distribution, power generation, power system protection, high voltage engineering, control and simulation, measurements & Instrumentation, microprocessor systems, VLSI, wave propagation & antenna, and telecommunication system, have been established in order to give hands on experience to the students. A general purpose workshop is also conducted where students get enough practice on machine work, carpentry, electrical wiring

and other aspects of basic engineering. A computer lab with latest machines and high speed internet facility has been provided. In addition, simulation softwares are available to simulate complex engineering processes. Students are encouraged to complete projects of industrial usage in hardware as well as software.





Bachelor of Electrical Engineering

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2+0)
Teachings of Holy Quran – I	NC
Functional English	3(3+0)
Creative Arts	2(2+0)
Calculus and Analytical Geometry	3(3+0)
Applied Physics	4(3+1)
Linear Circuit Analysis	4(3+1)
Credit Hours	18

Semester II

Cr Hr
2(2+0)
3(3+0)
3(2+1)
3(3+0)
3(2+1)
NC
1(0+1)
15

Semester III

Cr Hr
2(2+0)
3(2+1)
2(2+0)
3(3+0)
NC
4(3+1)
1(0+1)
2(2+0)
17

Semester IV

Course Title Course Title	Cr Hr
Electronic Devices and Circuits	4(3+1)
Probability & Statistics	3(3+0)
Community Service Learning	2(2+0)
Research Methodology	3(3+0)
Numerical Analysis	3(3+0)
Teachings of Holy Quran - IV	NC
Data Structures & Algorithms	3(2+1)
Credit Hours	18

Semester V

Course Title	Cr Hr
Digital Logic Design	4(3+1)
Instrumentation & Measurements	4(3+1)
Electrical Machines	4(3+1)
Signals and Systems	4(3+1)
Credit Hours	16

Semester VI

Course Title	Cr Hr
Power Distribution & Utilization (Elective)	4/7.1
Electronic Circuit Design (Elective)	4(3+1)
Power System Analysis (Elective)	4(3+1)
Embedded Systems (Elective)	
Linear Control System	4(3+1)
Communication Systems	4(3+1)
Credit Hours	16

Semester Summer Work

Course Title		Cr Hr
Internship		3(0+3)
C	redit Hours	03

Semester VII

Course Title	Cr Hr
Electromagnetic Field Theory	3(3+0)
Electrical Power Transmission (Elective)	4/2 - 1)
Digital Signal Processing (Elective)	4(3+1)
Advance Electrical Machines (Elective)	4(3+1)
Digital Electronics (Elective)	
Microprocessor Systems	4(3+1)
Senior Design Project - I	3(0+3)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Power Generation (Elective)	((7 . 1)
VLSI Design (Elective)	4(3+1)
High Voltage Engineering (Elective)	4(3+1)
Wave Propagation & Antennas (Elective)	
Power Electronics (Elective)	4(3+1)
Industrial Electronics (Elective)	
Senior Design Project - II	3(0+3)
Credit Hours	15
Total Credit Hours	136

BSc Biomedical Engineering Technology

Program: BSc Biomedical Engineering

Technology

Short Title: BSBET

Duration: 8 semesters (4 years)

Credit Hours: 134

Eligibility: Intermediate (Pre-Engineering)/DAE

with minimum 60% marks or

equivalent

Program Description:

Biomedical profession has evolved over the years in response to innovations in science and technology. Revolutionary advances in medical imaging and diagnostics have changed the way medicine is practiced. It is expected that the biomedical field will play a critical role in future health care. The multidisciplinary Engineering and Technology skills are integrated with human biology to improve human health. Recently it has been observed that a great demand of biomedical engineers and technologists in the society due to the availability of modern diagnostic equipment and healthcare facilities.

The Engineering Technology Department offers a four years degree program in "BSc Biomedical Engineering Technology". The students are provided with an educational foundation that prepares them to choose their career in industry or academia.

Objectives:

The objectives of the BSc Biomedical Engineering Technology degree program are to provide students with a comprehensive understanding of the intersection between engineering, technology, and human biology in the context of healthcare. The program aims to equip students with the knowledge and skills to contribute to advancements in medical imaging, diagnostics, and healthcare technology. It fosters a multidisciplinary approach to address challenges in the biomedical field. Additionally, the curriculum prepares students for successful careers in biomedical engineering and related industries, meeting the increasing demand for skilled professionals in modern healthcare settings.

Career Opportunities:

Biomedical Engineering Technology students will have the opportunities in below mentioned Career fields:

- Private Hospitals
- Diagnostic Labs
- Research Centers
- Medical Equipment Repair Labs
- Medical Equipment Supplier Labs
- Maintenance and installation Firms
- Quality Assurance Departments
- Medical Manufacturing Companies
- Government Hospitals

Program Educational Objectives (PEOs):

The Biomedical Engineering Technology graduates will: **PEO-1**:

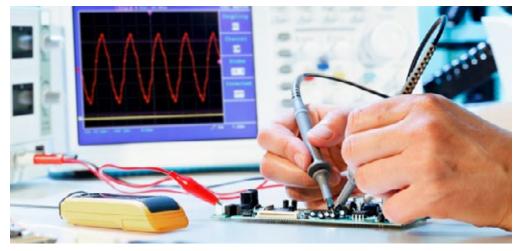
Demonstrate technological proficiency and skill at workplace

PEO-2:

Exhibit professional conduct and adaption to advancements in knowledge

PEO-3:

Contribute as team member or manager for problem solving keeping in view the environmental and social impact.





BSc Biomedical Engineering Technology

Scheme of Studies

Semester I

Course Title	Cr Hr
Basic Biology (for Pre-Engineering Students)/ Basic Mathematics (for Pre-Medical Students)	3(3+0)
Functional English	3(3+0)
Islamic Studies/Ethics	2(2+0)
Creative Arts	2(2+0)
Applied Physics	4(3+1)
Workshop Practices	1(O+1)
Technical Drawing	1(O+1)
Computer Programming	2(1+1)
Teachings of Holy Quran – I	NC
Credit Hours	18

Semester II

Course Title	Cr Hr
Calculus and Analytical Geometry	3(3+0)
Basic Electrical Technology	3(2+1)
Human Anatomy & Physiology	4(3+1)
Expository Writing	3(3+0)
Applications of Information & Communication Technologies	3(2+1)
Ideology & Constitution of Pakistan	2(2+0)
Teachings of Holy Quran - II	NC
Credit Hours	18
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Semester III

Course Title	Cr Hr
Biochemistry	3(2+1)
Linear Algebra & Differential Equations	3(3+0)
Electrical Circuit Analysis	3(2+1)
Environmental Studies	3(2+1)
Psychology	2(2+0)
Entrepreneurship	2(2+0)
Teachings of Holy Quran - III	NC
Credit Hours	16

Semester IV

Course Title	Cr Hr
Signals and Systems	3(2+1)
Electronic Devices and Circuits	3(2+1)
Digital Logic Design	3(2+1)
Research Methodology	3(3+0)
Probability and Statistics	3(3+0)
Community Service Learning	2(2+0)
Teachings of Holy Quran - IV	NC
Credit Hours	17

Semester V

Course Title		Cr Hr
Biomaterials		3(2+1)
Biomedical Instrumentation		3(2+1)
Biomechanics		3(2+1)
Molecular Biology		3(2+1)
Project-I		3(0+3)
Microprocessors and Microcontrollers		3(2+1)
	Credit Hours	18

Semester VI

Course Title		Cr Hr
Medical Imaging Devices		3(2+1)
Biomedical Control Systems		3(2+1)
Clinical Laboratory Equipment		3(2+1)
Medical Robotics and Artificial Intelligence		3(2+1)
Project-II		3(0+3)
	Credit Hours	15

Semester IIV

Course Title	Cr Hr
Supervised Industrial Training (Optional)	16(0+16)
Leadership and Personal Grooming	3(3+0)
Depth Elective-I	3(2+1)
Depth Elective-II	3(2+1)
Depth Elective-III	3(2+1)
Troubleshooting of Medical Devices	1(0+1)
Depth Elective-IV	3(3+0)
Credit Hours	16

Semester VIII

Course Title	Cr Hr
Supervised Industrial Training (Compulsory)	16(0+16)
Credit Hours	16
Total Credit Hours	134

BSc Information Engineering Technology

Program: BSc Information Engineering

Technology

Short Title: BSIET

Duration: 8 semesters (4 years)

Credit Hours: 137

Eligibility: Intermediate (Pre-Engineering)/DAE

with minimum 60% marks or

equivalent

Program Description:

The Information Engineering Technology program is meticulously designed to impart a robust foundation in a diverse range of IT applications, catering to various industry sectors. Spanning four years, this comprehensive program offers students a balanced amalgamation of theoretical insights and practical experience. During the initial two years, students acquire proficiency in multiple programming languages, operating systems, and networking principles. Advancing to the third year, the focus shifts to advanced subjects like database management systems, wireless communication networks, and cutting-edge IT applications. The final

year encompasses industrial training, facilitating handson exposure to engineering processes, fostering the development of essential professional skills required by aspiring undergraduate technologists.

Objectives:

The objectives of the BSc Information Engineering Technology program are to provide a comprehensive academic foundation in information engineering principles, theories, and applications, foster practical experience through hands-on learning, instill ethical awareness and responsible practices, align with industry trends to equip graduates with relevant skills, develop problem-solving abilities, cultivate effective communication and teamwork skills, nurture personal and professional growth, integrate cutting-edge technologies, engage with industry through internships and guest lectures, and encourage an entrepreneurial mindset.

Career Opportunities:

The Information Engineering Technology program is an ideal choice for individuals aspiring to pursue rewarding careers in various sectors, including Software houses, Data Centers, IT Sectors, and Networking (installation and troubleshooting). Moreover, it opens opportunities in the Telecommunication industry, Electronic Media,

and Radio. The skillset acquired by Information Engineering Technologists is highly sought after by employers worldwide, leading to substantial demand for these professionals in the global job market. This program equips students with the expertise to thrive in diverse industries and meet the dynamic challenges posed by the ever-evolving technological landscape.

Program Educational Objectives (PEOs):

The Information Engineering Technology graduates will: **PEO-1:**

To produce competent and employable technologists possessing sound technical knowledge and hand-on skills.

PEO-2:

To apply theoretical and practical knowledge for analyzing and designing solutions for information engineering technology systems.

PEO-3:

To produce technologists having effective communication and interpersonal skills with high professional and ethical standards.

PEO-4:

To produce technologists who shall be engaged in continuing education and professional development for a sustainable environment.





BSc Information Engineering Technology

Scheme of Studies

Semester I

Semester.	
Course Title	Cr Hr
Islamic Studies/Ethics	2(2+0)
Functional English	3(3+0)
Creative Arts	2(2+0)
Applied Mathematics – I	3(3+0)
Linear Circuit Analysis	4(3+1)
Teachings of Holy Quran – I	NC
Programming Fundamentals	3(2+1)
Credit Hours	17

Semester II

Course Title	Cr Hr
Applications of Information & Communication Technologies	3(2+1)
Ideology & Constitution of Pakistan	2(2+0)
Expository Writing	3(3+0)
Digital Electronics	4(2+2)
Basic Electronics	3(2+1)
Applied Mathematics II	3(3+0)
Teachings of Holy Quran - II	NC
Credit Hours	18

Semester III

Course Title	Cr Hr
Psychology	2(2+0)
Data Structures & Algorithms	3(2+1)
Discrete Structures	3(2+1)
Data Communication and Computer Networks	4(3+1)
Environmental Studies	3(2+1)
Entrepreneurship	2(2+0)
Teachings of Holy Quran - III	NC
Credit Hours	17

Semester IV

Course Title	Cr Hr
Operating Systems	3(3+0)
Embedded Systems	3(2+1)
Numerical Analysis	3(3+0)
Community Service Learning	2(2+0)
Research Methodology	3(3+0)
Probability and Statistics	3(3+0)
Teachings of Holy Quran - IV	NC
Credit Hours	17

Semester V

Course Title	Cr Hr
Mobile Applications Development	3(1+2)
Database Management Systems	3(2+1)
Artificial Intelligence and Optimization	3(2+1)
Elective I	3(2+1)
Software Engineering	3(3+0)
Elective II	3(2+1)
Credit Hours	18

Semester VI

Course Title	Cr Hr
Web Programming	3(2+1)
System Network Administration	3(2+1)
Elective III	3(2+1)
Elective IV	3(2+1)
Design Project	6(0+6)
Cr	edit Hours 18

Semester IIV

Course Title	Cr Hr
16 Weeks Supervised Industrial/Field Training (8*5=40 Hrs./Week)	16(0+16)
Credit Hours	16

Semester VIII

Course Title	Cr Hr
16 Weeks Supervised Industrial/Field Training (8*5=40 Hrs./Week)	16(0+16)
Credit Hours	16
Total Credit Hours	137



Postgraduate Programs

MS Electrical Engineering

Program: MS Electrical Engineering

Short Title: MSEE

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility Criteria (Level 7):

Candidate must have passed sixteen years of schooling or 4 year education (minimum 120 credit hours) in Electrical Engineering or Equivalent after FSc (Preengineering)/ DAE or Equivalent shall be required for admission in the MS Electrical Engineering program. Admission Test:

I. The candidate should have passed the admission test conducted by the TUF, with the passing score of 50%. $\sf OR$

II. Accept the GRE/HAT General/Equivalent tests, with a passing score of 50%.

*Intradisciplinary Qualifications:

The intradisciplinary admissions may only be allowed, if:

- **a)** The applicant has a strong interest in pursuing MS degree in Electrical Engineering.
- b) 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 6.
- c) The admission committee is satisfied that the applicant's knowledge of primary area (level 6) has sufficiently prepared him or her to undertake the course of studies of the MS Electrical Engineering program (or, in the opinion of the admissions committee, the preparation can be deemed satisfactory by taking a few additional courses after starting the program).

Scheme of Studies

Semester I

Course Title		Cr Hr
Advanced Research Methodology		3(3-0)
Core-I		3(3-0)
Core-II		3(3-0)
Elective-I		3(3-0)
	Credit Hours	12

Semester II

Course Title		Cr Hr
Core-III		3(3-0)
Elective-II		3(3-0)
Elective-III		3(3-0)
Elective-IV		3(3-0)
	Credit Hours	12

Semester III & IV

Course Title	Cr Hr
Thesis	6(0-6)
OR	
(In case a student is not opting research work, he/she will be required to enroll two elective courses of 6 credit hours)	6(6-0)
Credit Hours	06
Total Credit Hours	30

0 70	
Course Title	Cr Hr
List of Compulsory Courses (if any)	
Advanced Research Methodology	3(3-0)
List of Core Courses (if any)	
Electrical Drives (AC/DC)	3(3-0)
Power Electronics	3(3-0)
Techniques of Engineering Analysis & Design	3(3-0)
Control System	3(3-0)
Stochastic Processes	3(3-0)
Electrical Machines	3(3-0)
High Voltage Engineering	3(3-0)
VLSI Design Techniques	3(3-0)
Optimal Control Techniques	3(3-0)
Mathematical Methods for Engineering Analysis & Design I	3(3-0)
Renewable Energy	3(3-0)
List of Elective Courses	
Mobile & Wireless Communications	3(3-0)
Antenna Theory & Design	3(3-0)
Solid State Material & Devices	3(3-0)
Optical Communication	3(3-0)
Electromagnetic Theory	3(3-0)
Digital Communication	3(3-0)
Electronic Design Automation	3(3-0)
Analog Integrated Circuits	3(3-0)
RF Electronics	3(3-0)
HDL for Programmable Logic	3(3-0)
Wireless Sensor Networks	3(3-0)
Digital Signal Processing	3(3-0)
Wireless Communications	3(3-0)
Power Generation & Transmission	3(3-0)
Power System Analysis	3(3-0)
Computer Networks & Distributed Systems	3(3-0)

Course Title	Cr Hr
Power Distribution & Utilization	3(3-0)
Energy Resources & Technology	3(3-0)
Power System Protection	3(3-0)
Power System Transients	3(3-0)
Power Conversion	3(3-0)
Linear Control System	3(3-0)
Digital Image Processing	3(3-0)
Mathematical Methods for Engineering Analysis & Design II	3(3-0)
Engineering Electromagnetics I	3(3-0)
Computational Electromagnetics	3(3-0)
Wave Scattering: Theory & Applications	3(3-0)
Electrodynamics	3(3-0)
The Method of Moments	3(3-0)
Passive Microwave Circuits	3(3-0)
Active Microwave Devices & Circuits	3(3-0)

Course Title	Cr Hr
Biomedical Applications of Electromagnetics	3(3-0)
Digital System Design	3(3-0)
Adaptive Filter Theory	3(3-0)
Microprocessors & Interfacing Techniques	3(3-0)
Smart Grids	3(3-0)
Industrial Internet of Things & Cloud Computing	3(3-0)
Quantum Computing and Information Security	3(3-0)
Interfacing Techniques	3(3-0)
Industrial Automation Technologies	3(3-0)
Hybrid Power Systems	3(3-0)
Integration of Distributed Generation	3(3-0)
Computer Architecture	3(3-0)
Intelligent Measurements & Instrumentation	3(3-0)
Machine Learning	3(3-0)
Computational Theory	3(3-0)
Recent Emerging Technologies	3(3-0)

Course Title	Cr Hr
Human Computer Interaction	3(3-0)
Computer Networks	3(3-0)
Artificial Neural Networks	3(3-0)
Topics in Blockchain	3(3-0)
Mathematical Methods for Engineering Analysis & Design III	3(3-0)
Engineering Electromagnetics II	3(3-0)
Free Space Optics	3(3-0)
Micro Fabrication Processes	3(3-0)
Satellite Communication	3(3-0)
Sensors & Systems	3(3-0)
List of Non Credit Courses (if any)	
None	
List of Deficiency Courses (if any)	
None	





PhD Electrical Engineering

Program: PhD Electrical Engineering

Short Title: PhDEE

Duration: 6 Semester (3 years)

Credit Hours: 24

Eligibility Criteria (Level 8):

a) The candidate must have minimum CGPA of 3.0 out of 4.0 in the semester system) or 60% (in the annual system) in the MS/MPhil/Equivalent, whether such degree was obtained from Pakistani or foreign universities.

b) If the CGPA/Percentage is not mentioned on the transcript, the candidate must produce equivalent weightage from the parent university.

c) The students having strong demonstrated interest in obtaining PhD degree, but their CGPA is below than 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 fulfilling the following requirements:

I. Shall study additional courses of 9-12 CH of level 7 taking a zero semester and passed with score minimum 3.00 out of 4.00 GPA.

II. The admissions committee is satisfied that the applicant's knowledge of primary area (level 7) has sufficiently prepared him or her to undertake the course of studies of the doctoral program.

Admission Test:

a) Candidate is required to:

 ${\bf l.}$ 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%.

b) In addition to clause (a), TUF may conduct subject test for admission in PhD programs, if required.

Statement of Purpose:

As part of the application for admission to PhD program, applicant shall be required to submit a statement of purpose, which shall form an integral part of the application. A statement of purpose shall, at least, include the following:

i. Title of the potential research proposal

ii. Clear articulation of the current understanding of the intended field and ideas for potential research

iii. Explanation of the intended impact of the proposed research

iv. The prospective candidates shall demonstrate passion and enthusiasm for the area of research.

*Intradisciplinary Qualifications:

The intradisciplinary admissions may only be allowed, if:

a) The applicant has a strong interest in pursuing PhD degree in Electrical Engineering.

b) 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.

c) The admission committee is satisfied that the applicant's knowledge of primary area (level 7) has sufficiently prepared him or her to undertake the course of studies of the PhD Electrical Engineering program (or, in the opinion of the admissions committee, the preparation can be deemed satisfactory by taking a few additional courses after starting the program).

Scheme of Studies

Semester I

Course Title		Cr Hr
Elective-I		3(3-0)
Elective-II		3(3-0)
Elective-III		3(3-0)
	Credit Hours	09

Semester II

Course Title		Cr Hr
Elective-IV		3(3-0)
Elective-V		3(3-0)
Elective-VI		3(3-0)
	Credit Hours	09

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

Semester III-VI

Course Title		Cr Hr
Thesis		6(0-6)
	Credit Hours	06
	Total Credit Hours	24



Course Title	Cr Hr
List of Compulsory Courses (if any)	
None	
List of Core Courses (if any)	
None	
List of Elective Courses	
Advanced Research Methods	3(3-0)
Advanced Electrical Drives (AC/DC)	3(3-0)
Advanced Power Electronics	3(3-0)
Advanced Techniques of Engineering Analysis & Design	3(3-0)
Advanced Control System	3(3-0)
Advanced Stochastic Processes	3(3-0)
Advanced Electrical Machines	3(3-0)
Advanced High Voltage Engineering	3(3-0)
Advanced VLSI Design Techniques	3(3-0)
Advanced Optimal Control Techniques	3(3-0)
Advanced Mathematical Methods for Engineering Analysis & Design I	3(3-0)
Advanced Renewable Energy	3(3-0)
Advanced Mobile & Wireless Communications	3(3-0)
Advanced Antenna Theory & Design	3(3-0)
Advanced Solid State Material & Devices	3(3-0)
Advanced Optical Communication	3(3-0)
Advanced Electromagnetic Theory	3(3-0)
Advanced Digital Communication	3(3-0)
Advanced Electronic Design Automation	3(3-0)
Advanced Analog Integrated Circuits	3(3-0)
Advanced RF Electronics	3(3-0)
Advanced HDL for Programmable Logic	3(3-0)

Course Title	Cr Hr
Advanced Wireless Sensor Networks	3(3-0)
Advanced Digital Signal Processing	3(3-0)
Advanced Wireless Communications	3(3-0)
Advanced Power Generation & Transmission	3(3-0)
Advanced Power System Analysis	3(3-0)
Advanced Computer Networks & Distributed Systems	3(3-0)
Advanced Power Distribution & Utilization	3(3-0)
Advanced Energy Resources & Technology	3(3-0)
Advanced Power System Protection	3(3-0)
Advanced Power System Transients	3(3-0)
Advanced Power Conversion	3(3-0)
Advanced Linear Control System	3(3-0)
Advanced Digital Image Processing	3(3-0)
Advanced Mathematical Methods for Engineering Analysis & Design II	3(3-0)
Advanced Engineering Electromagnetics I	3(3-0)
Advanced Computational Electromagnetics	3(3-0)
Advanced Wave Scattering: Theory & Applications	3(3-0)
Advanced Electrodynamics	3(3-0)
Advanced The Method of Moments	3(3-0)
Advanced Passive Microwave Circuits	3(3-0)
Advanced Active Microwave Devices & Circuits	3(3-0)
Advanced Biomedical Applications of Electromagnetics	3(3-0)
Advanced Digital System Design	3(3-0)
Advanced Adaptive Filter Theory	3(3-0)
Advanced Microprocessors & Interfacing Techniques	3(3-0)
Advanced Smart Grids	3(3-0)
Advanced Interfacing Techniques	3(3-0)

Course Title	Cr Hr
Advanced Industrial Internet of Things & Cloud Computing	3(3-0)
Advanced Quantum Computing and Information Security	3(3-0)
Advanced Industrial Automation Technologies	3(3-0)
Advanced Hybrid Power Systems	3(3-0)
Advanced Integration of Distributed Generation	3(3-0)
Advanced Computer Architecture	3(3-0)
Advanced Intelligent Measurements & Instrumentation	3(3-0)
Advanced Machine Learning	3(3-0)
Advanced Computational Theory	3(3-0)
Advanced Recent Emerging Technologies	3(3-0)
Advanced Human Computer Interaction	3(3-0)
Advanced Computer Networks	3(3-0)
Advanced Artificial Neural Networks	3(3-0)
Advanced Topics in Blockchain	3(3-0)
Advanced Mathematical Methods for Engineering Analysis & Design III	3(3-0)
Advanced Engineering Electromagnetics II	3(3-0)
Advanced Free Space Optics	3(3-0)
Advanced Micro Fabrication Processes	3(3-0)
Advanced Satellite Communication	3(3-0)
Advanced Sensors & Systems	3(3-0)
List of Non Credit Courses (if any)	
None	
List of Deficiency Courses (if any)	
None	

DEPARTMENT OF CIVIL ENGINEERING

- · BS Civil Engineering
- MS Civil Engineering
- PhD Civil Engineering

"

Our department has foreign qualified faculty with professional experience. Department has state-of-the-art laboratories that can match International standards. We have designed our curriculum as per market need and are following Outcome Based Education System to provide students with high quality and distinctive knowledge.

Prof Dr Muhammad Ashiq Kharal Head, Department of Civil Engineering

Bachelor of Civil Engineering

Program: Bachelor of Civil Engineering

Short Title: BSCE

Duration: 8 Semesters (4 years)

Credit Hours: 136

Eligibility: Intermediate (Pre-Engineering)/DAE

with 60% marks or equivalent

Location: Engineering wing

Vision:

The vision of the Department of Civil Engineering Technology is to train students with the knowledge to become globally and socially dedicated professional civil engineers who will add as assets in the nationbuilding process.

Mission:

To develop high quality civil engineers having a futuristic approach with qualities of leadership, professionalism and teamwork, through innovative and research oriented education for sustainable socio-economic development.

Programing Educational Objectives (PEOs):

PEO-1. Graduates will have knowledge and skills to develop innovative and comprehensive solutions to complex civil engineering problems.

PEO-2. Graduates will have leadership qualities for the uplifting of engineering profession based on technical and managerial skills.

PEO-3. Graduates will have effective communication skills and professionalism to contribute in multidisciplinary projects for economic development.

PEO-4. Graduates will have lifelong professional learning and research abilities with special reference to social, environmental and ethical aspects.

Career Opportunities:

After Completion of Bachelor degree in Civil Engineering from The University of Faisalabad, the students shall have lot of opportunities to serve the nation through various public and private service streams like C&W Department, WASAs, Development Authorities, Environmental Protection Agencies, Local Government Department, Tehsil Municipal Administrations (TMAs), Irrigation Department, Public Health Engineering Department, Pak PWD, Airport Development Authority, National Highway Authority, water wing of WAPDA and many other nation building Departments, Project Management Units & National/International Construction Companies.





BS Civil Engineering

Scheme of Studies

Semester I

Course Title	Cr Hr
Creative Arts	2(2-0)
Islamic Studies OR Ethics (for non-Muslims)	2(2-0)
Teaching of Holy Quran - I	NC
Functional English	3(3-0)
Calculus and Analytical Geometry	3(3-0)
Civil Engineering Drawing	3(1-2)
Engineering Geology	1(1-0)
Civil Engineering Materials	2(2-0)

Semester II

Course Title	Cr Hr
Ideology & Constitution of Pakistan	2(2-0)
Teaching of Holy Quran - II	NC
Expository Writing	3(3-0)
Applications of Information & Communication Technologies	3(2-1)
Basic Electro-Mechanical Engineering	3(2-1)
Basic Mechanics	3(2-1)
Civil Engineering Construction and Graphics	3(2-1)
Credit Hours	17

Semester III

Course Title	Cr Hr
Entrepreneurship	2(2-0)
Teaching of Holy Quran - III	NC
Psychology	2(2-0)
Differential Equations	3(3-0)
Computer Programming	3(2-1)
Mechanics of Solids-I	4(3-1)
Surveying-I	3(2-1)
Credit Hours	17

Semester IV

Course Title		Cr Hr
Community Service Learning		2(2-0)
Research Methodology		3(3-0)
Teaching of Holy Quran - IV		NC
Quantity Surveying and Cost Estimation		2(2-0)
Probability and Statistics		3(3-0)
Structural Analysis- I		2(2-0)
Fluid Mechanics-I		4(3-1)
	Credit Hours	16
Semester V		
Course Title		Cr Hr

Course Title	Cr Hr
Numerical Analysis	3(3-0)
Geotechnical Engineering-I	4(3-1)
Mechanics of Solids-II	3(2-1)
Hydrology & Water Resources Management	3(2-1)
Surveying-II	3(2-1)
Construction Management	2(1-1)
Credit Hours	18

Semester VI

Course Title	Cr Hr
Plain & Reinforced Concrete-I	3(2-1)
Structural Analysis- II	3(3-0)
Fluid Mechanics-II	3(2-1)
Geotechnical Engineering-II	3(2-1)
Engineering Economics	2(2-0)
Steel Structures	3(2-1)
Credit Hours	17

Semester Summer Work

Course Title	Cr Hr
Internship	3(0+3)
Credit Hours	03

Semester VII

Course Title	Cr Hr
Hydraulics Engineering	3(2-1)
Plain & Reinforced Concrete-II	4(3-1)
Structural Engineering	3(3-0)
Transportation Engineering	4(3-1)
Project (Part-A)	3(0-3)
Credit Hours	17

Semester VIII

Course Title		Cr Hr
Pavement and Foundation Engineering		2(2-0)
Irrigation Engineering		3(2-1)
Design of Structures		3(2-1)
Environmental Engineering		3(2-1)
GIS and Disaster Mitigation		1(1-0)
Project (Part-B)		3(0-3)
	Credit Hours	15
Tota	al Credit Hours	136



Postgraduate Programs

MS Civil Engineering

Program: MS Civil Engineering

Short Title: MSCE

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility: BS/Bachelor in Civil Engineering

or equivalent with CGPA 2.00/4.00 under semester system or 60% marks under annual system and registered with PEC. GAT(General)/TUF entry

test with 50% marks.

Scheme of Studies

Semester I

Course Title	Cr Hr
Advanced Research Methodology	3(3-0)
Durability of Concrete Structures	3(3-0)
Shallow Foundations	3(3-0)
Design of Hydraulic Structures	3(3-0)
Credit Ho	ours 12

Semester II

Course Title	Cr Hr
Elective-I	3(3-0)
Elective-II	3(3-0)
Elective-III	3(3-0)
Elective-IV	3(3-0)
Cred	dit Hours 12

Semester III & IV

Course Title		Cr Hr
Thesis		06
	Total Credit Hours	06
	Total Credit Hours	30

Elective Courses

Cr Hr
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)

Elective Courses

Cr Hr
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
6(6-0)



PhD Civil Engineering

Program: PhD Civil Engineering

Short Title: PhDCE

Duration: 6 Semester (3 years)

Credit Hours: 24

Eligibility:

The candidate must have 18 years of education with minimum CGPA of 3.0 out of 4.0 in the semester system) or 60% (in the annual system) in the MS/MPhil/Equivalent, whether such degree was obtained from Pakistani or foreign universities.

Students having strong demonstrated interest in obtaining PhD degree, but their CGPA is below than 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 fulfilling the following requirements:

- Shall study additional courses of 9-12 CH of level 7 taking a zero semester and passed with score minimum 3.00 out of 4.00 GPA.
- The admissions committee is satisfied that the applicant's knowledge of primary area (level 7) has sufficiently prepared him or her to undertake the course of studies of the doctoral program. Candidate is required to pass the test of GRE Subject developed by TUF, with the passing score of 60% Or The candidate has passed the test equivalent to GRE/HAT Subject, conducted by testing bodies accredited by HEC, with a passing score of 60%.

Scheme of Studies

Semester I

Course Title		Cr Hr
Elective-I		3(3-0)
Elective-II		3(3-0)
Elective-III		3(3-0)
	Credit Hours	09

Semester II

Course Title	Cr Hr
Elective-IV	3(3-0)
Elective-V	3(3-0)
Elective-VI	3(3-0)
С	redit Hours 09

Semester III, IV, V &VI

Course Title		Cr Hr
Thesis		06
	Total Credit Hours	24

List of Elective Courses

List of Elective Courses	
Course Title	Cr Hr
Durability of Concrete Structures	3(3-0)
Advanced Reinforced Concrete	3(3-0)
Properties of Structural Materials	3(3-0)
Advanced Concrete Technology	3(3-0)
Advanced Construction Techniques and Materials	3(3-0)
Pre-stressed Concrete	3(3-0)
Seismic Analysis and Design	3(3-0)
Advanced Structure Analysis and Design	3(3-0)
Repair, Maintenance and strengthening of Structures	3(3-0)
Shallow Foundations	3(3-0)
Deep Foundations	3(3-0)
Ground Engineering	3(3-0)
Advanced Soil Mechanics	3(3-0)
Geotechnical Investigations	3(3-0)
Dam Engineering	3(3-0)
Design and Construction of Earthen Dams	3(3-0)
Soil Improvement Techniques	3(3-0)
Engineering properties of Soil	3(3-0)
Rock Mechanics	3(3-0)
Design of Hydraulic Structures	3(3-0)
Hydropower Engineering	3(3-0)
Irrigation Engineering and Practices	3(3-0)
Groundwater Engineering	3(3-0)
Advanced Open Channel Hydraulics	3(3-0)
Soil Erosion and Watershed Management	3(3-0)
Applied Hydrology	3(3-0)
River Engineering and Flood Management	3(3-0)
Environmental Impact Assessment	3(3-0)
Planning, Development and Management of Hydropower System	3(3-0)
Transportation Planning and Engineering	3(3-0)
Pavement Analysis and Design	3(3-0)
Traffic Engineering and Management	3(3-0)
irattic Engineering and Management	3(3-0)

List of Elective Courses

List of Elective Courses	
Course Title	Cr Hr
Railway Engineering	3(3-0)
Highway Construction Materials and Equipment	3(3-0)
Bridge and Tunnel Engineering	3(3-0)
Geometric Design and Highway Safety	3(3-0)
Bridge Engineering	3(3-0)
Theory of Plates and Shells	3(3-0)
Advanced Steel Structures	3(3-0)
Design of Masonry Structures	3(3-0)
Seismology and Earthquake Engineering	3(3-0)
Computational Modeling of Materials and Structures	3(3-0)
Advanced Mechanics of Solids	3(3-0)
Earth retaining structures	3(3-0)
Soil Dynamics	3(3-0)
Environmental Geo-techniques	3(3-0)
Slope Stability	3(3-0)
Earth Reinforcement	3(3-0)
Rock Engineering	3(3-0)
Application of RS and GIS	3(3-0)
Sediment Transport	3(3-0)
Watershed Management	3(3-0)
Water supply and Sewerage system design	3(3-0)
Irrigation System Design and Management	3(3-0)
Water Resources Economics, Planning and Management	3(3-0)
Airport Planning and Design	3(3-0)
Geotechnical Aspects of Highways	3(3-0)
Transportation Economics	3(3-0)
Harbour and Dock Engineering	3(3-0)
Pavement Evaluation and Rehabilitation	3(3-0)
Advanced Research Methodology	3(3-0)
Advanced Probability and Statistics	3(3-0)
Thesis	6(6-0)

FACULTY OF INFORMATION TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCES

- · BS Data Sciences
- · BS Computer Science
- · BS Artificial Intelligence
- · BS Software Engineering
- · MS Computer Science
- · MS Computing & Data Sciences
- · PhD Computer Science







DEPARTMENT OF COMPUTATIONAL SCIENCES

BS Computer Sciences

Program: BS Computer Sciences

Short Title: BSCS

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Intermediate with Mathematics or

Intermediate (Pre-Medical) securing 50% marks. Pre-Medical candidates will have to study deficiency courses of Mathematics in 1st & 2nd semesters.

Location: Health Sciences wing &

Engineering wing

Introduction:

The program focuses on software development, networking, and designing. It provides the students indepth technical skills, hands-on approach, and practice to enable them to start their career with confidence. This program provides the students with extensive knowledge on business applications and are designed to equip them with necessary latest technical skills to meet the requirements in businesses. Students combine their academic study with practical work in well-equipped and spacious laboratories, working in groups in order to develop teamwork and communication skills.

Objectives:

- To prepare the students to achieve proficiency in software development, problem analysis, software design & the use of programming languages and tools
- To provide the students with substantial knowledge of a broad range of problem-solving techniques which include algorithms and design techniques
- To demonstrate understanding of the core areas of algorithms, theory of computation, operating systems, linguistics of programming languages and architecture
- To enable the students to apply concepts of discrete and continuous mathematics
- To develop strong communication skills with due emphasis on the tools of effective writing

Role and Scope:

The graduates are equipped with a broad understanding of business practice and a huge range of personal skills that enable them to achieve the desired goals. The graduates are prepared to join professional positions in information technology centred organizations, in the corporate sector, industry, government and other professional arenas. The graduates will have opportunities to start their professional career as Computer Scientists, Systems Analysts, Quality Database Assurance Specialists, Programmer/ Designers, Application Developers, Systems and Software Engineers, Software Developers, Information Security Specialists, Multimedia Specialists/ Programmers and Computer Animation Experts.





BS Computer Sciences

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English I	3(3-0)
Introduction to Information Technology and Communication Skills	3(2-1)
Programming Fundamentals	4(3-1)
Calculus and Analytical Geometry	3(3-0)
Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours	19

Semester II

Studies 2(2-0))
(Communication Skills) 3(3-0))
s of Holy Quran with Translation-II 1(1-0))
hysics 3(3-0))
al Equations 3(3-0))
riented Programming 4(3-1	1)
h-II (Deficiency Subject for Pre-Medical Students) 3(3-0)	
Credit Hours 19	
hysics 3(3- al Equations 3(3- iented Programming 4(3- h-II (Deficiency Subject for Pre-Medical Students) 3(3-0)	1

Semester III

Course Title	Cr Hr
Teachings of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Financial Accounting	3(3-0)
Discrete Structures	3(3-0)
Data Structure and Algorithms	4(3-1)
Credit Hours	17

Semester IV

Course Title		Cr Hr
Sociology		3(3-0)
Teachings of Holy Quran with Translation-IV		1(1-0)
Database Systems		4(3-1)
Operating Systems		4(3-1)
High Level Programming		3(2-1)
Linear Algebra		3(3-0)
	Credit Hours	18

Semester V

Course Title	Cr Hr
Computer Organization and Assembly Language	4(3-1)
Web Design and Development	3(2-1)
Digital Logic Design	4(3-1)
Software Engineering	3(3-0)
Probability and Statistic	3(3-0)
Credit Hours	17

Semester VI

Course Title		Cr Hr
Computer Networks		4(3-1)
Design and Analysis of Algorithms		3(3-0)
Artificial Intelligence		4(3-1)
Theory of Automata		3(3-0)
Entrepreneurship		3(3-0)
	Credit Hours	17

Semester VII

Cr Hr
3(3-0)
3(3-0)
3(3-0)
3(2-1)
3(0-3)
3(3-0)
18

Semester VIII

Course Title	Cr Hr
Graph Theory	3(3-0)
Data Ware Housing and Data Mining	3(2-1)
Information Security	3(3-0)
Parallel and Distributed Computing	3(3-0)
Final Year Project (Phase –II)	3(0-3)
Credit Hours	15
Total Credit Hours	140

BS Software Engineering

Program: BS Software Engineering

Short Title: BSSE

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Intermediate with Mathematics or

Intermediate (Pre-Medical) securing 50% marks. Pre-Medical candidates will have to study deficiency courses of Mathematics in 1st & 2nd semesters.

Location: Engineering wing

Program Description:

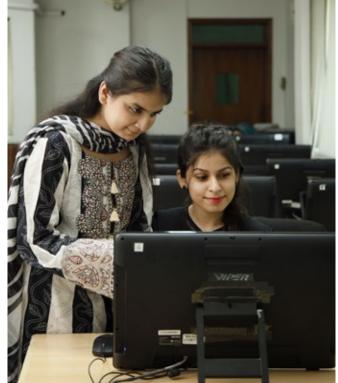
Software engineering is the discipline of creating high quality software systems in a systematic, controlled and efficient manner. It involves the application of engineering concepts, techniques, and methods to the design, development, deployment and maintenance of software systems. A software engineering program develops professionals who have a mastery of principles, theory, practices, and processes necessary to produce quality software systems.

Objectives:

The objective of the program is to prepare students for professional careers and for graduate studies in software engineering. With a balance between computing theory and practical application of software engineering concepts including software project management, methodologies, tools and technologies in the modern software development environments. Graduates of such program will be able to function as proficient software developers and effective team members. They will have grounding in communication, mathematics, and science, as well as the cultural, historical, and social issues that influence and effect or relate to the development of high quality software systems.

They will have knowledge of and experience with software product engineering and engineering management and an understanding of professional issues and practices. Graduates are be able to understand and assess their own software engineering capabilities and performance.





BS Software Engineering

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teachings of Holy Quran with Translation-I	1(1-0)
English I (Reading & Writing Skills)	3(2-1)
Introduction to Information and Communication Technologies	4(3-1)
Calculus and Analytical Geometry	3(3-0)
Basic Math I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours	19

Semester II

Course Title	Cr Hr
Teachings of Holy Quran with Translation-II	1(1-0)
Pakistan Studies	2(2-0)
English II (Communication Skills)	3(3-0)
Applied Physics	3(3-0)
Object Oriented Programming	4(3-1)
Software Engineering	3(3-0)
Basic Math II (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours	19

Semester III

Course Title	Cr Hr
Teachings of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Financial Accounting	3(3-0)
Discrete Structure	3(3-0)
Data Structure and Algorithms	4(3-1)
Credit Hours	17

Semester IV

Course Title	Credit Hours
Teachings of Holy Quran with Translation-IV	1(1-0)
Sociology	3(3-0)
Software Design and Architecture	3(2-1)
Database Systems	4(3-1)
Operating Systems	4(3-1)
Linear Algebra	3(3-0)
Credit	Hours 18

Semester V

Course Title	Cr Hr
Software Construction and Development	3(2-1)
Business Process Engineering	3(3-0)
Data Encryption and Security	3(3-0)
Natural Language Processing	3(3-0)
Big Data Analytics	3(2-1)
Probability & Statistics	3(3-0)
Credit Hours	18

Semester VII

Course Title		Cr Hr
Entrepreneurship		3(3-0)
Web Engineering		3(3-0)
Software Re-engineering		3(3-0)
Simulation and Modeling		3(3-0)
Mobile Application Development		3(2-1)
Final Year Project (Phase –I)		3(0-3)
	Credit Hours	18

Semester VI

Course Title	Cr Hr
Computer Networks	4(3-1)
Operation Research	3(3-0)
Human Computer Interaction	3(3-0)
Software Requirement Engineering	3(3-0)
Professional Practices	3(3-0)
Credit Ho	ours 16

Semester VIII

Course Title		Cr Hr
Software Quality Engineering		3(3-0)
Cloud Computing		3(2-1)
Software Project Management		3(3-0)
Information Securities		3(3-0)
Final Year Project (Phase –II)		3(0-3)
	Credit Hours	15
	Total Credit Hours	140

BS Information Technology

Program: BS Information Technology

Short Title: BSIT

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Intermediate with Mathematics or

Intermediate (Pre-Medical) securing 50% marks. Pre-Medical candidates will have to study deficiency courses of Mathematics in 1st & 2nd semesters.

Location: Engineering wing

Program Description:

With the passage of time, information technology (IT) has trenched its roots in every sector of daily life. To fulfill demand of modern era in field of IT, Department of Computational Sciences has come up to initiate the program of Bachelor of Science in IT (BSIT). The program is so designed to cater students with greater

understanding and technical skills required for the proper utilization of information technology in a variety of environments ranging from households to multibillion dollar industry. BSIT program will enhance in depth understanding and skills of an IT professional in analysis, design, implementation, and use of both information technology core skills and specialization skills.

Objectives:

The tactical objectives of BSIT degree program are as follow:

- Develop the student with theories, knowledge of concepts, practices and applications required of a professional associated in field of information technology.
- Understand the different components of the information technology field, including hardware, software, communication, networking, research, resources and management skills.
- Become familiar with current communication technologies and tools while learning new

- methodologies that will lead to the development of much better information systems.
- Apply and manage technologies in various fields of information technology, including software applications, database systems, management information systems and IT project management.
- Utilize information technology knowledge in common business functions to make processes more effective and efficient.
- Assess the impact of the ethical, social and legal issues in regard of globalization on business information systems.

Career Opportunities:

With degree program of BS in Information Technology, a student may seek employment in both technical and management fields regarding information communication systems technologies, such as a network administrator, database admin, business and systems analyst, IT project manager, consulting services, telecommunications or electronic commerce, among several other exciting jobs.





BS Information Technology

Scheme of Studies

Semester I

Course Title		Cr Hr
Teachings of Holy Quran with Translation-I		1(1-0)
English I (Reading & Writing Skills)		3(3-0)
Islamic Studies/Ethics		2(2-0)
Introduction to Information & Communication Tec	chnology	3(2-1)
Programming Fundamentals		4(3-1)
Calculus and Analytical Geometry		3(3-0)
Basic Math-I (Deficiency Subject for Pre-Medical Students)		3(3-0)
C	redit Hours	19

Semester III

Course Title	Cr Hr
Teachings of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
English III (Technical Writing & Presentation Skills)	3(3-0)
Discrete Structures	3(3-0)
Data Structure and Algorithms	3(3-0)
Information Technology Project Management	4(3-1)
Credit Hour	17

Semester II

Course Title	Cr Hr
Teachings of Holy Quran with Translation-II	1(1-0)
English II (Communication Skills)	3(3-0)
Pakistan Studies	2(2-0)
Applied Physics	3(3-0)
Software Engineering	3(3-0)
Object Oriented Programming	4(3-1)
Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
3(3-0)	19

Semester IV

Course Title	Cr Hr
Teachings of Holy Quran with Translation-IV	1(1-0)
Sociology	3(3-0)
Database Systems	4(3-1)
Operating Systems	4(3-1)
High Level Programming	3(2-1)
Linear Algebra	3(3-0)
Credit Hours	18

Semester V

Course Title	Cr Hr
Web Design and Development	3(2-1)
Information Technology Infrastructure	3(3-0)
Probability and Statistic	3(3-0)
Web Technologies	3(3-0)
System and Network Administration	4(3-1)
Cre	dit Hour 18

Semester VII

Course Title		Cr Hr
Cyber Security		3(3-0)
Simulation and Modeling		3(3-0)
Entrepreneurship		3(3-0)
Enterprise Systems		3(3-0)
Mobile Application and Development		3(2-1)
Final Year Project(Phase –I)		3(0-3)
	Credit Hours	18

Semester VI

Course Title	Cr Hr
Management Information Systems	3(3-0)
Computer Networks	4(3-1)
Operations Research	3(3-0)
Human Computer Interaction	3(3-0)
Professional Practices	3(3-0)
	16

Semester VIII

Course Title		Cr Hr
Information Security		3(3-0)
Principles of Marketing		3(3-0)
Virtual Systems and Services		4(3-1)
Database Administration and Management		4(3-1)
Final Year Project (Phase –II)		3(0-3)
	Credit Hours	17
Total Credit Hours		140

BS Artificial Intelligence

Program: BS Artificial Intelligence

Short Title: BSAI

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Intermediate with Mathematics or

Intermediate (Pre-Medical) securing 50% marks. Pre-Medical candidates will have to study deficiency courses of Mathematics in 1st & 2nd semesters.

Location: Engineering wing

Program Description:

Artificial Intelligence (AI) is the ability of computer to perform tasks that typically require human intelligence. The overall research goal of Artificial Intelligence is to create technology that allows computers and machines to function in an intelligent manner. Department of Computational Sciences has decided to initiate degree program of BS in Artificial Intelligence (BSAI) to meet the requirements of both academia and business organizations.

The degree program of BSin Artificial Intelligence (BSAI) is designed to provide students with both the theoretical knowledge and technical skills required by Artificial Intelligence professionals. The BSAI program will give students in-depth knowledge to transform large amounts of data into actionable decisions. The program and its curriculum focus on how complex inputs such as vision and huge databases can be used to make decisions or enhance human capabilities.

Objectives:

The objectives of BSAI degree program are as follow:

- Cultivate the student with theories, knowledge of concepts, practices and applications required of a professional associated in field of Artificial Intelligence.
- Become familiar with current technologies and tools while learning new methodologies that will lead to the development of Artificial Intelligence systems.
- Assess the impact of the ethical, social and legal issues in regard of developing Artificial Intelligence Systems.

Career Opportunities:

With degree program of BS in Artificial Intelligence, a student may seek employment in trades, industries and professions that rely heavily on computing systems. Students may seek employment as Machine Learning Engineer, Data Scientist, Business Intelligence Developer, Big Data Engineer or several other exciting jobs.





BS Artificial Intelligence

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teachings of Holy Quran with Translation-I	1(1-0)
English I	3(3-0)
Introduction to Information and Communication Technologies	3(2-1)
Programming Fundamentals	4(3-1)
Calculus and Analytical Geometry	3(3-0)
Basic Math-I (Deficiency Subject for Pre-Medical Students)	3(3-0)
Credit Hours	19

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English II	3(3-0)
Teachings of Holy Quran with Translation-II	1(1-0)
Applied Physics	3(3-0)
Differential Equations	3(3-0)
Object Oriented Programming	4(3-1)
Basic Math-II (Deficiency Subject for Pre-Medical Students)	3(3-0)
	19

Semester III

Course Title	Cr Hr
Teachings of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
English III	3(3-0)
Fundamental of Artificial Intelligence	4(3-1)
Discrete Structures	3(3-0)
Data Structure and Algorithms	4(3-1)
Credit Hours	18

Semester IV

Course Title	Cr Hr
Sociology	3(3-0)
Teachings of Holy Quran with Translation-IV	1(1-0)
Database Systems	4(3-1)
Operating Systems	4(3-1)
Programming for AI	3(2-1)
Linear Algebra	3(3-0)
	18

Semester V

Course Title	Cr Hr
Computer Organization and Assembly Language	4(3-1)
Design and Analysis of Algorithms	3(3-0)
Digital Logic Design	4(3-1)
Software Engineering	3(3-0)
Probability and Statistic	3(3-0)
Credit Hours	17

Semester VI

Course Title	Cr Hr	
Computer Networks	4(3-1))
Theory of Automata	3(3-0)
Human Computer Interaction	3(3-0)
Robotics and Computer Vision	3(3-0)
Entrepreneurship	3(3-0)
С	redit Hours 16	

Semester VII

Course Title		Cr Hr
Artificial Neural Networks		3(3-0)
Principles and Design of IOT Systems		3(2-1)
Machine Learning		3(2-1)
Fundamentals of Natural Language Processi	ng	3(3-0)
Professional Practices		3(3-0)
Final Year Project (Phase -I)		3(0-3)
	Credit Hours	18

Semester VIII

Course Title		Cr Hr
Algorithmic Foundation of Data Science	e	3(3-0)
Data Ware Housing and Data Mining		3(3-0)
Information Security		3(3-0)
Parallel and Distributed Computing		3(3-0)
Final Year Project (Phase -II)		3(0-3)
		15
To	otal Credit Hours	140

BS Internet of Things

Program: BS Internet of Things

Short Title: BSIOT

Duration: 8 Semesters (4 years)

Credit Hours: 140

Eligibility: Intermediate with Mathematics or

Intermediate (Pre-Medical) securing 50% marks. Pre-Medical candidates will have to study deficiency courses of Mathematics in 1st & 2nd semesters.

Location: Engineering wing

Program Description:

Internet of Things (IOT) is the attempt to build IOT systems. IOT is the combination of wireless communication and computer science. The recent development of communication devices and wireless network technologies continues to advance the new era of the Internet and telecommunications. The various

"things", which include not only communication devices but also every other physical object on the planet, are also going to be connected to the Internet, and controlled through wireless networks. This concept, which is referred to as the "Internet of Things (IoT)", has attracted much attention from many researchers in recent years. The concept of IoT can be associated with multiple research areas such as body area networks, Device-to-Device (D2D) communications networks, Personnel area networks (PAN), Regional area Networks (RAN), Smart home, Smart buildings, Smart cities, Unmanned Aerial Vehicle (UAV) Networks, Satellite Networks, and so forth.

Program Philosophy and Objectives:

In today's world, smart devices communicate with each other. Smart phones, smart watches and smart homes are collectively referred to as the Internet of Things (IoT). TUF's Bachelor of Science in IoT will transform a student into a technological expert who can manage, program, maintain and secure IoT devices in many critical areas such as energy, transportation, health, aviation, infrastructure, smart home, smart city

and hospitality. This program will provide expertise in the following four pillars: hardware, software, wireless communications and cybersecurity & privacy. TUF also happens to be the first university in the nation to offer a bachelor's degree in IoT. We are preparing the next generation of highly trained IoT specialists.

Role and Scope:

Computers are now ubiquitous in modern life. The most interesting opportunities in the future are open to those who really know about computing, software and information systems, IOT. Our graduates can choose from a wide range of opportunities in industry, commerce, government and academia; the majority of Informatics graduates enter employment relating to their degree, while others decide to continue within academia to pursue their research interests.





BS Internet of Things

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies	2(2+0)
Teaching of Holy Quran with Translation - I	1(1+0)
Functional English	3(3+0)
Introduction to Information and Communication Technologies	3(2+1)
Calculus and Analytical Geometry	3(3+0)
Applied Physics	4(3+1)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Sociology	3(3+0)
IOT and Industry 4.0	3(3+0)
Teaching of Holy Quran with Translation -IV	
Data Structures & Algorithms	4(3+1)
Digital Logic Design	4(3+1)
Probability & Statistics	3(3+0)
Credit Hours	18

Semester VII

ocilicator vii		
Course Title		Cr Hr
Big Data & Cloud Computing		4(3+1)
IOT Business Case		4(3+1)
Real Time Embedded Systems		4(3+1)
Information Security		3(3+0)
Senior Design Project - I		3(0+3)
	Credit Hours	18

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2+0)
Communication Skills	3(3+0)
Linear Algebra	3(3+0)
Computer Programming	3(2+1)
Teaching of Holy Quran with Translation - II	1(1+0)
Database Systems	4(3+1)
Fundamentals of Software Engineering	3(3+0)
Credit Hours	19

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3+0)
Human Computer Interface	3(3+0)
Computer Architecture	4(3+1)
Artificial Intelligence & Machine Learning	4(3+1)
Signals and Systems	4(3+1)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Network Protocols for IoT	3(3+0)
Network & Comm. Protocols for IOT	4(3+1)
Industrial Internet of Things (IIOT)	4(3+1)
Senior Design Project - II	3(0+3)
Credit Hours	14
Total Credit Hours	140

Semester III

Course Title	Cr Hr
Technical Report Writing & Presentation Skills	3(3+0)
Differential Equations	3(3+0)
Teaching of Holy Quran with Translation - III	1(1+0)
Operating Systems	4(3+1)
Introduction to Microcontrollers	4(3+1)
IoT Systems and Applications	3(3+0)
Credit Hours	18

Semester VI

Course Title	Cr Hr
Mobile & Web Development	4(3+1)
Sensor Interfacing & Single Board Computers	4(3+1)
Microprocessor Systems	4(3+1)
Data Communication and Networks	4(3+1)
Engineering Economics & Management	3(3+0)
Credit Hours	19

Postgraduate Programs

MS Computer Science

Program: MS Computer Science

Short Title: MSCS

Duration: 4 Semester (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 semester system or 60% marks under annual system.
GAT(General)/TUF entry test with

50% marks.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title		Cr Hr
Advanced Algorithms Analysis		3(3-0)
Advanced Computer Architecture		3(3-0)
Advanced Research Methodology		3(3-0)
Elective-I		3(3-0)
	Credit Hours	12

Semester II

Course Title		Cr Hr
Advanced Computational Theory		3(3-0)
Advanced Operating Systems		3(3-0)
Elective-II		3(3-0)
Elective-III		3(3-0)
	Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Thesis Work		06
	Total Credit Hours	36

List of Elective Courses

Course Title	Cr Hr
Advanced Human-Computer Interaction	3(3-0)
Advanced Requirements Engineering	3(3-0)
Advanced Software Project Management	3(3-0)
Advanced Software System Architecture	3(3-0)
Advanced Topics in Applied Cryptography	3(3-0)
Agent Based Modeling	3(3-0)
Agile Software Development	3(3-0)
Applied Cryptography	3(3-0)
Big Data Analytics	3(3-0)
Complex Networks	3(3-0)
Component Based Software Engineering	3(3-0)
Cryptography	3(3-0)
Database Security	3(3-0)
Deep Learning	3(3-0)
Distributed Data Processing	3(3-0)
Empirical Software Engineering	3(3-0)
Information Privacy and Security	3(3-0)
Machine Learning	3(3-0)
Management & Organizational Behavior	3(3-0)
Natural Language Processing	3(3-0)

List of Elective Courses

List of Liective Courses	
Course Title	Cr Hr
Artificial Neural Networks	3(3-0)
Quantum Cryptography	3(3-0)
Reliability Engineering	3(3-0)
Requirements Engineering	3(3-0)
Internet of Things	3(3-0)
Security Management	3(3-0)
Security Testing	3(3-0)
Software Configuration Management	3(3-0)
Software Measurement and Metrics	3(3-0)
Software Process Management & Metrics	3(3-0)
Software Project Management	3(3-0)
Software Risk Management	3(3-0)
Software Testing and Quality Assurance	3(3-0)
Statistical and Mathematical Methods For Data Science	3(3-0)
Tools and Techniques in Data Science	3(3-0)
Trusted Computing	3(3-0)
Wireless Security	3(3-0)
Recent Emerging Technologies	3(3-0)
Advanced Digital Image Processing	3(3-0)
Blockchain	3(3-0)

MS Computing and Data Sciences

Program: MS Computing and Data Sciences

Short Title: MSDS

Duration: 4 Semester (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.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Statistical and Mathematical Methods for Data Science	3(3+0)
Tools and Techniques in Data Science	3(2+1)
Data Visualization	3(3+0)
Credit Hours	9

Semester II

Course Title		Cr Hr
Machine Learning		3(3+0)
Big Data Analytics		3(3+0)
Deep Learning		3(3+0)
	Credit Hours	9

Semester III

Course Title		Cr Hr
MS Thesis-I		3(0+3)
Social Network Analysis		3(3+0)
	Credit Hours	6

Semester IV

Course Title		Cr Hr
MS Thesis-II		3(0+3)
Time Series Analysis and Prediction		3(3+0)
	Credit Hours	6
	Total Credit Hours	30

PhD Computer Science

Program: PhD Computer Science Short Title: PhDCS

Duration: 6 Semester (3 years)

Credit Hours: 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.

Scheme of Studies

Semester I

Course Title		Cr Hr
Research Methodology		3(3-0)
Elective-I		3(3-0)
Elective-II		3(3-0)
Elective-III		3(3-0)
	Credit Hours	12

Semester II

Course Title		Cr Hr
Elective-III		3(3-0)
Elective-IV		3(3-0)
Elective-V		3(3-0)
Elective-VI		3(3-0)
	Credit Hours	12

Semester III

Cr Hr
0
6
6

Semester IV-VI

Course Title		Cr Hr
Thesis Work (Continue)		
	Total Credit Hours	30

List of Elective Courses

Advanced Human-Computer Interaction 3(3-0) Advanced Requirements Engineering 3(3-0) Advanced Software Project Management 3(3-0) Advanced Software System Architecture 3(3-0) Advanced Topics in Applied Cryptography 3(3-0) Agent Based Modeling 3(3-0) Agile Software Development 3(3-0) Applied Cryptography 3(3-0)
Advanced Software Project Management 3(3-0) Advanced Software System Architecture 3(3-0) Advanced Topics in Applied Cryptography 3(3-0) Agent Based Modeling 3(3-0) Agile Software Development 3(3-0)
Advanced Software System Architecture 3(3-0) Advanced Topics in Applied Cryptography 3(3-0) Agent Based Modeling 3(3-0) Agile Software Development 3(3-0)
Advanced Topics in Applied Cryptography 3(3-0) Agent Based Modeling 3(3-0) Agile Software Development 3(3-0)
Agent Based Modeling 3(3-0) Agile Software Development 3(3-0)
Agile Software Development 3(3-0)
Applied Cryptography 3(3-0)
Big Data Analytics 3(3-0)
Complex Networks 3(3-0)
Component Based Software Engineering 3(3-0)
Cryptography 3(3-0)
Database Security 3(3-0)
Deep Learning 3(3-0)
Distributed Data Processing 3(3-0)
Empirical Software Engineering 3(3-0)
Information Privacy and Security 3(3-0)
Machine Learning 3(3-0)
Management & Organizational Behavior 3(3-0)
Natural Language Processing 3(3-0)
Artificial Neural Networks 3(3-0)
Quantum Cryptography 3(3-0)
Reliability Engineering 3(3-0)
Requirements Engineering 3(3-0)
Internet of Things 3(3-0)
Security Management 3(3-0)
Security Testing 3(3-0)
Software Configuration Management 3(3-0)
Software Measurement and Metrics 3(3-0)
Software Process Management & Metrics 3(3-0)
Software Project Management 3(3-0)

Programs Offered

- · BS Physics
- · BS Psychology
- BS Microbiology
- · BS Mathematics
- · BS Biochemistry
- · BS Biotechnology
- MS Physics
- MPhil Physiology
- MPhil Mathematics
- MPhil Biochemistry
- · MPhil Biotechnology
- PhD Physics
- PhD Mathematics
- · PhD Biochemistry
- · PhD Biotechnology

FACULTY OF SCIENCES







DEPARTMENT OF MATHEMATICS

- BS Mathematics
- MPhil Mathematics
- PhD Mathematics



Dr Aaqib Majeed Head, Department of Mathematics

BS Mathematics

Program: BS Mathematics

Short Title: BSMA

Duration: 8 Semesters (4 Years)

Credit Hours: 128

Eligibility: Intermediate with Maths/Statistics

or equivalent with minimum second division or equivalent/DAE with 60 %

marks

Location: Health Sciences wing &

Engineering wing

Program Description:

Bachelor of Science in Mathematics program is intended for those students who want to pursue their study in the field of Mathematics. Mathematics is a basic and powerful tool for solving problems and a highly creative field of study. Mathematics is imperative to all parts of our society and is a foundation for many diverse varieties of careers. Mathematical graduates are in high request and can obtain well paid work in many areas, including teaching, investment banking and finance; the civil service; the pharmaceutical industry; and medicine statistics. Mathematics graduates are highly employable due to the advanced problem-solving, analytical skills and higher level numeracy skills developed by studying this subject.

Objectives:

- Develop mathematical curiosity and use inductive and deductive reasoning when solving problems
- Become confident in using mathematics to analyse and solve problems both in university and in real-life situations
- Develop the knowledge, skills and attitudes necessary to pursue further studies in mathematics
- Develop abstract, logical and critical thinking and the ability to reflect critically upon their work and the work of others
- Develop a critical appreciation of the use of information and communication technology in mathematics
- Select and apply general rules correctly to solve problems including those in real-life contexts.
- Use appropriate mathematical language (notation, symbols, terminology) in both oral and written explanations
- Use different forms of mathematical representation (formulae, diagrams, tables, charts, graphs and models).





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BS Mathematics

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English I [Reading & Writing Skills]	3(3-0)
Introduction to Information & Communication Technology	3(2-1)
Mathematics	3(2-1)
Calculus - I	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
English II [Communication Skills]	3(3-0)
Pakistan Studies	2(2-0)
Statistics	3(3-0)
Elements of Set Theory & Mathematical Logic	3(3-0)
Calculus - II	3(3-0)
Credit Hours	15

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
Discrete Mathematics	3(3-0)
Linear Algebra	3(2-1)
Algebra- II	3(3-0)
Number Theory	3(3-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Real Analysis - I	3(3-0)
Ordinary Differential Equations	3(3-0)
Topology	3(3-0)
Algebra- III	3(3-0)
Operations Research	3(3-0)
Credit Hours	18

Semester VII

Selliester vii		
Course Title		Cr Hr
Mathematical Modelling		3(3-0)
Fluid Mechanics		3(2-1)
Numerical Analysis - I		3(3-0)
Mathematical Methods		3(3-0)
Complex Analysis		3(3-0)
	Credit Hours	15

Semester VIII

Schiester viii		
Course Title		Cr Hr
Research Project		6-0
Probability Theory		3(3-0)
Numerical Analysis - II		3(3-0)
Optimization Theory		3(3-0)
	Credit Hours	15
	Toal Credit Hours	128

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English III [Technical Writing & Presentation Skills]	3(3-0)
Psychology	3(3-0)
Micro Economics	3(3-0)
Algebra - I	3(3-0)
Calculus - III	3(3-0)
Credit Hours	16

Semester VI

Course Title	Cr Hr
Research Methodology	3(2-1)
Real Analysis - II	3(3-0)
Partial Differential Equations	3(3-0)
Graph Theory	3(3-0)
Functional Analysis	3(3-0)
Maple	3(3-0)
Credit Hours	s 18

Postgraduate Programs

MPhil Mathematics

Program: MPhil Mathematics

Short Title: MPMATH

Duration: 4 Semester (2 years)

Credit Hours: 72

Eligibility: Master/BS four years degree in

Mathematics with minimum CGPA 2.0 out of 4.00 or minimum 50% marks in annual system. GAT (General)/TUF Entry Test with minimum 50% score.

Engineering wing

Scheme of Studies

Semester I

Location:

Course Title	Cr Hr
Real Analysis-I	3(3-0)
Complex Analysis-I	3(3-0)
Algebra-I	3(3-0)
Vector and Tensor Analysis	3(3-0)
Point Set Topology	3(3-0)
Differential Geometry	3(3-0)
Credit Hours	18

Semester II

Course Title	Cr Hr
Real Analysis-II	3(3-0)
Complex Analysis-II	3(3-0)
Algebra-II	3(3-0)
Mechanics	3(3-0)
Functional Analysis	3(3-0)
Mathematical Methods	3(3-0)
Credit Hours	18

Semester III

Course Title	Cr Hr
Numerical Analysis-I	3(3-0)
Partial Differential Equations	3(3-0)
Advanced Set Theory	3(3-0)
Optional Papers (3 out of following group)	
Applied Group	
Fluid Mechanics-I	3(3-0)
Special Theory of Relativity	3(3-0)
Operational Research	3(3-0)
Quantum Mechanics-I	3(3-0)
Cryptography	3(3-0)
Pure Group	
Algebraic Number Theory	3(3-0)
Advanced Group Theory-I	3(3-0)
Advanced Functional Analysis	3(3-0)
Advanced Topology	3(3-0)
Continuous Groups	3(3-0)
Cryptography	3(3-0)
Credit Hours	18

Note:

Elective may be offered from the list attached depending on the availability of resources of the department.

Semester IV

Jennester IV		
Course Title		Cr Hr
Numerical Analysis-II		3(3-0)
Computing Tools for Mathematics	5	3(2-1)
Mathematical Statistics		3(3-0)
Optional Papers (3 out of follo	wing Group)	
Applied Group		
Fluid Mechanics-II		3(3-0)
Modeling and Simulation		3(3-0)
Special Functions		3(3-0)
Theory of Elasticity		3(3-0)
Quantum Mechanics-II		3(3-0)
Theroy of Optimization		3(3-0)
Pure Group		
Advanced Group Theory-II		3(3-0)
Measure Theory		3(3-0)
Advanced Complex Analysis		3(3-0)
Special Functions		3(3-0)
Rings and Fields		3(3-0)
Operator Theory		3(3-0)
	Credit Hours	18
	Toal Credit Hours	72

PhD Mathematics

Program: PhD Mathematics
Short Title: PhDMATH

Duration: 6 Semester (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.

Location: Engineering wing

DEPARTMENT OF PHYSICS

- BS Physics
- MS Physics

BS Physics

Program: BS Physics

Short Title: BSPHY

Duration: 8 Semesters (4 Years)

Credit Hours: 128

Eligibility: Intermediate with Maths/Stats or

equivalent with minimum second

division or equivalent

Location: Engineering wing

Objective:

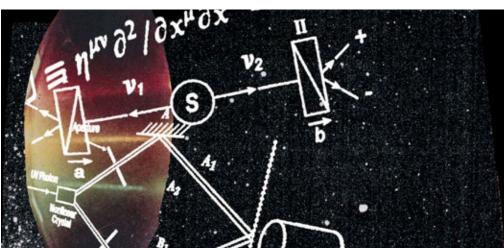
By establishing academic and research linkages with local as well as international institutions, the Department of Physics provides a conducive environment for the academic and professional development of its students. The recently organized national as well as international conferences, seminars and workshops speak volumes of the efforts the department has taken to ensure that its students are provided with an in-depth understanding of the field. Owing to the availability of a wide variety of specialized PhD staff.

Role and Scope:

The scope of physics can be understood if one looks at its various sub-disciplines such as mechanics, optics, heat and thermodynamics, electrodynamics, atomic physics, nuclear physics. A physics degree is a great starting point for a career in scientific research, as well as in a range of careers in the business, finance, IT and engineering sector. Physics postgraduate degree holdercan also have job in following areas

- Acoustic consultant
- Geophysicist
- Healthcare scientist, medical physics
- Higher education lecturer
- Metallurgist
- Meteorologist
- Nanotechnologist
- Radiation protection practitioner
- Research scientist (physical sciences)





BS Physics

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English I [Reading & Writing Skills]	3(3-0)
Introduction to Information & Communication Technology	3(2-1)
Mathematics	3(2-1)
Calculus - I	3(3-0)
Credit Hours	15

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
Linear Algebra	3(2-1)
Waves & Oscillations	3(3-0)
Optics	3(3-0)
Classical Mechanics	3(2-1)
Credit Hours	16

Semester VII

Course Title	Cr Hr
Statistical Physics	3(2-1)
Atomic & Molecular Physics	3(3-0)
Quantum Mechanics - II	3(3-0)
Solid State Physics - I	3(3-0)
Elective - I	3(2-1)
Cred	dit Hours 15

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
English II [Communication Skills]	3(3-0)
Pakistan Studies	2(2-0)
Statistics	3(3-0)
Mechanics	3(2-1)
Calculus - II	3(3-0)
Credit Hours	15

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Mathematical Methods of Physics - I	3(3-0)
Differential Equations	3(3-0)
Electronics-I	3(2-1)
Electrodynamics - I	3(2-1)
Operations Research	3(3-0)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Research Project	6-0
Nuclear Physics / Introduction to Relativity	3(3-0)
Solid State Physics - II	3(3-0)
Elective - II	3(3-0)
Credit Hours	15
Total Credit Hours	128

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English III [Technical Writing & Presentation Skills]	3(3-0)
Psychology	3(3-0)
Modern Physics	3(3-0)
Heat & Thermodynamics	3(2-1)
Electricity & Magnetism	3(2-1)
Credit Hours	16

Semester VI

Course Title	Cr Hr
Research Methodology	3(2-1)
Mathematical Methods of Physics - II	3(3-0)
Quantum Mechanics - I	3(3-0)
Electronics- II	3(2-1)
Electrodynamics - II	3(2-1)
MAPLE	3(3-0)
Credit Hou	rs 18

Postgraduate Program

MS Physics

Program: MS Physics Short Title: MSPHY

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility: Master/BS four years degree in

Physics with minimum CGPA 2.0 out of 4.00 or minimum 50% marks in annual system. GAT (General)/TUF Entry Test with minimum 50% score.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Methods of Mathematical Physics-I	3(3-0)
Classical Mechanics	3(3-0)
Electrodynamics-I	3(3-0)
Electronics-I	3(3-0)
Relativity and Cosmology	3(3-0)
Lab Course-I (Electromagnetism)	3(0-3)
Credit Hours	18

Semester II

Course Title	Cr Hr
Methods of Mathematical Physics-II	3(3-0)
Quantum Mechanics-I	3(3-0)
Nuclear Physics-I	3(3-0)
Electrodynamics-II	3(3-0)
Electronics-II	3(3-0)
Lab Course-II (Atomic & Nuclear Physics)	3(0-3)
Credit Hours	18

Semester III

Course Title		Cr Hr
Quantum Mechanics-II		3(3-0)
Nuclear Physics-II		3(3-0)
Statistical Mechanics		3(3-0)
Solid State Physics-I		3(3-0)
Particle Physics-I*		3(3-0)
Advanced Electronics*		3(3-0)
Environmental Physics-I*		3(3-0)
Health and Medical Physics-I*		3(3-0)
Climatology and Metrology-I*		3(3-0)
Lab Course-III (Electronics)		3(0-3)
	Credit Hours	18/15**

Semester IV

Course Title		Cr Hr
Plasma Physics		3(3-0)
Computational Physics		3(3-0)
Solid State Physics-II		3(3-0)
Laser and Optics		3(3-0)
Particle Physics-II*		3(3-0)
Advanced Electronics Lab Course*		3(3-0)
Environmental Physics Lab Course*		3(0-3)
Health and Medical Physics -II*		3(3-0)
Climatology and Metrology-II*		3(3-0)
Seminar		1(1-0)
Thesis***		6(6-0)
Project**		3(0-3)
	Credit Hours	16/19**
	Total Credit Hours	30

Note:

- One optional subject to be chosen in 3rd and 4th semester.
- Projects may be opted in lieu of option-II of the subject already taken by the student in 3rd semester.
- Thesis will be allotted in the 3rd semester. However, the credit hours for thesis will only count towards the 4th semesters.

PhD Physics

Program: PhD Physics
Short Title: PhDPHY

Duration: 6 Semester (3 years)

Credit Hours: 24

Eligibility: 18 Years of Education, MS/MPhil or

Equivalent degree from HEC

recognized university with minimum $3.00/4.00\ \text{CGPA}$ 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.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title		Cr Hr
Research Methodology and Statistics		3(3-0)
Theoretical Physics		3(3-0)
Laser and Nonlinear Optics		3(3-0)
	Credit Hours	09

Semester II

Course Title	Cr Hr
Experimental Physics	3(3-0)
Numerical Methods and Simulation	3(3-0)
Advanced Mathematical Methods in Physics	3(3-0)
Credit Hours	09

Semester III, IV, V & IV

Course Title	Cr Hr
Supervised Research (PhD Thesis) Submission of the final thesis for evaluation	06
Credit Hours	06
Total Credit Hours	24

DEPARTMENT OF BIOCHEMISTRY

BS Biochemistry

- BS Biochemistry
- MPhil Biochemistry
- · PhD Biochemistry

Program: BS Biochemistry

Short Title: BSBIOC

Duration: 8 Semesters (4 Years)

Credit Hours: 140

Eligibility: Intermediate or equivalent with

minimum second division or

equivalent

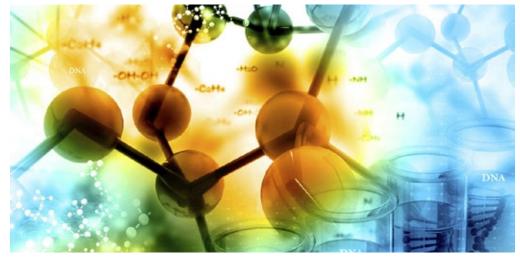
Location: Health Sciences wing

Objectives:

- To impart knowledge about core areas of Biochemistry.
- To empower the students to comprehend foundation of biological systems and their inter-relationships on chemical and molecular basis.
- To develop the scientific culture and demonstrate professional skills in teaching and research in various national and international organizations.

Role and Scope:

- Biochemists can work both in public and private sectors.
- After obtaining the BS degree in Biochemistry, the graduates will be able to get jobs in wide range of fields including research organizations, education sector, hospitals, agriculture, food institutes, forensic research, pharmaceutical industry and many more fields.
- They can work as research scientist, research associates, clinical scientist, biomedical scientist, laboratory technician, educationists and many more professions.





BS Biochemistry

Scheme of Studies

Semester I

Course Title	Cr Hr
English I (Reading & Writing Skills)	3(3-0)
Ethics / Islamic studies	2(2-0)
Mathematics	3(3-0)
Teaching of Holy Quran with Translation-I	1(1-0)
Introduction to information and communication Technologies (ICT)	3(2-1)
Biochemistry	3(2-1)
Organic & Inorganic Chemistry	3(2-1)
Credit Hours	18

Semester II

Course Title	Cr Hr
English II (Communication Skills)	3(3-0)
Teaching of Holy Quran with Translation-II	1(1-0)
Pakistan Studies	2(2-0)
Cell Biology	3(2-1)
Organic Chemistry (Advanced)	3(2-1)
Carbohydrates and lipids	3(2-1)
Introductory Physiology	3(2-1)
	18

Semester III

Course Title	Cr Hr
English-III (Technical Writing & Presentation Skills)	3(3-0)
Teaching of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
Analytical chemistry and Instrumentations	3(2-1)
Metabolism 1	3(3-0)
Proteins and Nucleic acids	3(2-1)
Metabolism II	3(3-0)
Credit Hours	19

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Physical Chemistry	3(2-1)
Sociology	3(3-0)
Classical Genetics	3(3-0)
Molecular Biology	3(3-0)
Enzymology	3(2-1)
Biosafety & Bioethics	3(2-1)
Credit Hours	19

Semester V

Course Title	Cr Hr
Clinical Microbiology	3(2-1)
Immunology	3(3-0)
Biostatistics	3(3-0)
Pharmacology	3(2-1)
Methods in Molecular Biology	3(2-1)
Nutritional Biochemistry	3(2-1)
Credit Hours	18

Semester VI

Course Title		Cr Hr
Introduction to Biotechnology		3(3-0)
Research Methodology		3(3-0)
Environmental Biochemistry		3(2-1)
Biochemical Techniques		3(1-2)
Bioenergetics		3(3-0)
Industrial Biochemistry		3(2-1)
	Credit Hours	18

Semester VII

Course Title	Cr Hr
Genomics & Proteomics	3(3-0)
Bioinformatics	3(1-2)
Cell and Tissue Culture Technology	3(3-0)
Clinical Biochemistry	3(2-1)
Plant Biochemistry	3(3-0)
Biomembranes & Cell Signaling	3(3-0)
Credit Hours	18

Semester VIII

Cr Hr
3(3-0)
3(3-0)
3(3-0)
6(0-6)
dit Hours 15
dit Hours 140

Postgraduate Programs

MPhil Biochemistry

Program: MPhil Biochemistry

Short Title: MBIOC

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility: 16 Years of Education, BS (4 Years)

/MSc (2 Years) in the relevant field, (Biochemistry) Min CGPA 2.0 /4.0, or minimum marks 50% marks in annual system. GAT (General)/TUF Entry Test with minimum 50% score

Location: Health Sciences wing

Scheme of Studies

Semester I

Course Title		Cr Hr
Advanced Biochemical Techniques		3(1-2)
Immunochemistry		3(3-0)
Advances in Clinical Biochemistry		3(2-1)
Seminar		1(1-0)
Biostatistics		2(2-0)
	Credit Hours	12

Semester II

Course Title	Cr Hr
Advanced Molecular Biochemistry	3(2-1)
Biochemical Regulators	2(2-0)
Current Trend in Biochemistry	2(2-0)
Special problem	1(1-0)
Advanced Research Methodology	2(2-0)
Minor course from department of Biotechnology/ Nutrition and Dietetics/ Pharmacology	2-3
Credit Hours	12-13

Semester III&IV

Course Title	Cr Hr
Research and Thesis	6(0-6)
Credit Hou	rs 06
Toal Credit Hou	rs 30

PhD Biochemistry

Program: PhD Biochemistry

Short Title: PhDBIOC

Duration: 6 Semester (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

Location: Health Sciences wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Advanced Research Methodology	3(3-0)
Gene Expression and Regulation	3(3-0)
Global Food and Nutrition Issues	3(3-0)
Credit Hours	09

Semester II

Course Title	Cr Hr
Biochemical Toxicology	3(3-0)
Elective II	3(3-0)
Seminar	Non credit
Design and Analysis of Experiment for Researcher	3(3-0))
Credit Hours	09

Semester III, IV, V & VI

Course Title	Cr Hr
Research and Thesis	6(0-6)
Credit Hours	06
Total Credit Hours	24

MPhil Physiology

Program: MPhil Physiology

Short Title: MPHSL

Duration: 4 Semester (2 years)

Credit Hours: 30

Eligibility: 14 Years BS (Hons) in Physiology or

MSc Physiology i.e., 16 years of

Education. Candidates with MBBS and BDS degree will have to take some additional courses to make up the deficiency with minimum CGPA 2.00/4.0 (in the semester system) or first division (in the annual system). GAT (General)/TUF Entry Test with

minimum 50% score
Location: Health Sciences wing

FACULTY OF MANAGEMENT STUDIES

National Business School

- BBA
- BS Business Analytics
- BS Accounting & Finance
- BS Mass Communication
- BS International Relations
- BS Aviation Management
- BS Healthcare Management
- BS Islamic Banking & Finance
- BS Economics with Data Science
- BS Digital Media & Broadcast Journalism
- MBA
- MBA Executive
- MS Project Management
- MS Accounting & Finance
- MS Management Sciences
- MS Risk & Safety Management
- PhD Management Sciences



The National Business School endows students with the ability to apply knowledge effectively as entrepreneurs in multidisciplinary teams and provides leadership skills through ethical approaches. Extraordinary achievements of our alumni speak volumes about the quality of education at our business Department. We are fully dedicated in enhancing our student's potential, satisfying their thirst for learning and helping them to succeed in their endeavors.

Dr Muhammad Azeem Ahmad Head, National Business School







National Business School

VISION:

"To innovate though 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.

Program Objectives (POs)

National Business School has defined the Program Objective with the consent of stakeholders from Academia and Industry. The POs already approved by statutory bodies to align with University's vision and mission statements.

Following are the POs for NBS graduates:

PO1: Research and Continuous Learning

Students will develop an aptitude for research and continuous learning by developing new skills through critical thinking that will help them in solving contemporary challenges in business and managerial continuum.

PO2: Innovation and Entrepreneurship

Students will attain competencies of innovative thinking to pursue entrepreneurship

PO3: Leadership skills and Business Environment

Through active engagements with curricular and cocurricular activities, student will acquire team working skills as well as leadership qualities cognizant of a holistic business environment.

Program Learning Outcomes (PLO)

PLO1: The students will be able to apply the basic knowledge in the applied business and management continuum.

PLO2: The students will be able to exploit opportunities and solve problems through applying critical and analytical skills.

PLO3: The students will be able to manifest creativity and innovation through a systematic research process. **PLO4:** The students will be able to exhibit intra-and-

entrepreneurial activities.

PLO5: The students will be able to build effective teams

and exploit synergy through effective interactions. **PLO6:** The students will be able to ensure compliance

to ethical standards and obey laws and regulations. **PLO7:** The students will be able to learn business environment through effective market research

PLO8: The students will be able to manage the business project units through managerial and leadership skills PLO9: The student will be able to acquire lifelong learning and utilize it in contemporary business needs.





Bachelor of Business Administration

Program: Bachelor of Business Administration

Short Title: BBA

Duration: 8 semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate or equivalent with a

minimum of 45% marks

Role and Scope:

The BBA program caters to career dreams realization of the bright young students who have completed twelve years of education and are eager for a career education in business or other professions. They come from various educational backgrounds-arts, science, commerce, engineering, etc. The students are trained to achieve excellent academic record and strong motivation for achievement. The BBA degree gives its holder an edge in the job market by opening more opportunities.

The program enables the graduates to fulfill responsibilities for management and personal development. Internship of 6 to 8 week duration is mandatory for each student. This may be completed during summer session after 6th semester or at the end of the course work.





BBA

Scheme of Studies

Semester I

Course Code	Course Title	Cr Hr	Category
ISL-101	Islamic Studies-I	2(2-0)	Compulsory
ISL-103	Teaching of Holy Quran with Translation I	1(1-0)	Compulsory
ENG-105	Freshman English I	3(3-0)	Compulsory
MATH-101	Mathematics	3(3-0)	Compulsory
CS-101	Introduction to Information & Communication	3(2-1)	Compulsory
MGT-111	Introduction to Business	3(3-0)	Core
	Credit Hours	15	

Semester IV

Course Code	Course Title	Cr Hr	Category
ISL-202	Teaching of Holy Quran with Translation-IV	1(1-0)	Compulsory
GEN-201	Sociology	3(3-0)	General
MGT-212	Business Communication	3(3-0)	Core
MGT-213	Human Resource Management	3(3-0)	Core
ECO-202	Macro Economics	3(3-0)	Core
MGT-214	Financial Management	3(3-0)	Core
	Credit Hours	16	

Semester VII

Course Code	Course Title	Cr Hr	Category
MGT-412	Strategic Management	3(3-0)	Core
MGT-413	Business Ethics & CSR	3(3-0)	General
MGT-414	Marketing Management	3(3-0)	Core
MGT-421	Business Law	3(3-0)	Core
MGT-430	Internship-II	3(0-3)	Core
	Credit Hours	15	

Semester II

Course Code	Course Title	Cr Hr	Category
ISL-104	Teaching of Holy Quran with Translation-II	1(1-0)	Compulsory
ENG-106	Freshman English-II	3(3-0)	Compulsory
PS-101	Pakistan Studies	2(2-0)	Compulsory
STAT-301	Statistics	3(3-0)	General
FIN-112	Financial Accounting-I	3(3-0)	Core
MGT-112	Principles of Management	3(3-0)	Core
	Credit Hours	15	

Semester V

Course Code	Course Title	Cr Hr	Category
MGT-422	Corporate Finance	3(3-0)	Minor
MGT-423	Operations Research	3(3-0)	Minor
MGT-424	Marketing Research	3(3-0)	Minor
MGT-315	Management Information Systems	3(3-0)	Minor
MGT-314	Supply Chain Management	3(3-0)	Minor
MGT-421	Internship-I	3(3-0)	Core
	Credit Hours	18	

Semester VIII

Course Code	Cour	se Title	Cr Hr	Category
MGT-410	Rese	arch Project	6(6-0)	Core
MGT-411	Stati Rese	stical Tools for arch	3(3-0)	General
	Elect	ive-III	3(3-0)	Specialization
	Elect	rive-IV	3(3-0)	Specialization
		Credit Hours	15	
Total Courses	: 45	Total Credit Hours	128	

Semester III

Course Code	Course Title	Cr Hr	Category
ISL-201	Teaching of Holy Quran with Translation-III	1(1-0)	Compulsory
ENG-202	Oral Communication	3(3-0)	Compulsory
PSY-201	Psychology	3(3-0)	General
ECO-201	Micro Economics	3(3-0)	Core
FIN-211	Financial Accounting-II	3(3-0)	Core
MGT-211	Principles of Marketing	3(3-0)	Core
	Credit Hours	16	

Semester VI

Course Code	Course Title	Cr Hr	Category
GEN-310	Research Methodology	3(2-1)	General
MGT-316	Organizational Behavior	3(3-0)	Minor
MGT-301	Entrepreneurship	3(3-0)	Minor
MGT-318	Total Quality Management	3(3-0)	Minor
	Elective-I	3(3-0)	Specialization
	Elective-II	3(3-0)	Specialization
	Credit Hours	18	

Elective Courses: Human Resource Management

Course Code	Course Title	Cr Hr
	Croup I	
HRM-311	Human Resource Development	3(3-0)
	Croup II	
HRM-312	Performance Management System	3(3-0)
HRM-411	Employee Relation and Description	3(3-0)
	Croup III	
HRM-412	Career Development	3(3-0)
HRM-413	Recruitment and Selection	3(3-0)
	Croup IV	
HRM-414	Compensation Management	3(3-0)

Elective Courses: Marketing

Course Code	Course Title	Cr Hr
	Croup I	
MKT-311	Export Marketing	3(3-0)
MKT-312	Consumer Behavior	3(3-0)
	Croup II	
MKT-313	Advertising	3(3-0)
MKT-319	Sales Management	3(3-0)
	Croup III	
MKT-411	International Marketing	3(3-0)
MKT-412	Service Marketing	3(3-0)
	Croup IV	
MKT-413	E-Marketing	3(3-0)
MKT-414	Digital Marketing	3(3-0)

Elective Courses: Finance

Course Code	Course Title	Cr Hr
	Croup I	
FIN-315	Investment Banking	3(3-0)
FIN-316	Treasury and Fund Management	3(3-0)
	Croup II	
FIN-321	Financial Risk Management	3(3-0)
FIN-322	Investment and Portfolio Management	3(3-0)
	Croup III	
FIN-415	Advanced Corporate Finance	3(3-0)
FIN-421	Islamic Banking Practices	3(3-0)
	Croup IV	
FIN-418	Behavioral Finance	3(3-0)
FIN-419	International Banking	3(3-0)







BS Accounting and Finance

Program: BS Accounting and Finance

Short Title: BSAF

Duration: 8 semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate or equivalent with a

minimum of 45% marks

Objective:

- To make students able to understand and develop the skills to grasp broad range of accounting and finance techniques and concepts.
- To make them able to apply integrated techniques of accounting and finance in evaluating the costs and benefits of strategic investments.
- To mentor students to exploit newly created opportunities in accounting and finance profession.

Role and Scope:

The program is designed to offer students a general, diversified business background which is important to the financial professional in today's technology-driven & global business environment. This degree prepares you for a rewarding career in any sector of the economy. Graduates can work as a financial accountant, forensic accountant, management accountant, auditor, chief financial officer, financial advisor and tax specialist.





BS Accounting and Finance

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English I [Reading & Writing Skills]	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technology	3(2-1)
Financial Markets & Institutions	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
English II [Communication Skills]	3(3-0)
Pakistan Studies	2(2-0)
Statistics	3(3-0)
Financial Accounting-I	3(3-0)
Principles of Management	3(3-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English III [Technical Writing & Presentation Skills]	3(3-0)
Psychology	3(3-0)
Micro Economics	3(3-0)
Financial Accounting-II	3(3-0)
Principles of Marketing	3(3-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
Statistical Inference	3(3-0)
Organizational Behavior	3(3-0)
HRM	3(3-0)
Macro Economics	3(3-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Cost & Management Accounting	3(3-0)
Principles of Taxation	3(3-0)
Corporate Governance	3(3-0)
Financial Reporting	3(3-0)
Elective-l	3(3-0)
Credit Hours	18

Semester VI

Course Title		Cr Hr
Research Methodology		3(2-1)
Managerial Accounting		3(3-0)
Business Finance		3(3-0)
Principles of Auditing		3(3-0)
Econometrics		3(3-0)
Elective-II		3(3-0)
	Credit Hours	18

Semester VII

Course Title	Cr Hr
Advance managerial Accounting	3(3-0)
Corporate Finance	3(3-0)
Econometrics	3(3-0)
Business Law	3(3-0)
Elective-III	3(3-0)
Credit Hours	15

Semester VIII

Semester viii		
Course Title		Cr Hr
Research Project		6(6-0)
Financial Modeling		3(3-0)
Elective-IV		3(3-0)
Elective V		3(3-0)
	Credit Hours	15
Total Credit Hours	S	128

BS Aviation Management

Program: BS Aviation Management

Short Title: BSAM

Duration: 8 Semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate or equivalent with a

minimum of 45% marks

Objectives:

BS Aviation Management degree is designed for students pursuing to lead and succeed in the world of aviation. Harmonizing basic aviation concepts with innovative business ideas and strategy, the programme provides students a rock-solid foundation of aviation knowledge, industry standards, principles of management, and leadership. The programme explores all facades of aviation management, including airport planning and management, airline fleet management, fiscal aspects of aviation, aviation marketing, health and safety environment in aviation, aviation safety, aviation security, and global aviation business strategies. This approach to aviation education gives the student added value over other aviation programs by focusing on the skills and knowledge required by today's fast growing aviation industry. After the graduation, students will be considered eligible and qualified candidates for staff, operational, and executive jobs within the aviation industry.

Role and Scope:

In the dynamic field of aviation, The University of Faisalabad offers this program that focuses on the development and use of critical thinking, communication, leadership, global awareness and innovation. This degree will prepare you for an exciting and challenging career in different travel and aviation firms and offers you the opportunity to explore multicultural diversity. The BS Aviation Management degree prepares students for professional careers in the following areas:

- · Airline management
- Airline flight operations
- Airline ground operations
- Airport management
- Airport operations
- Airport planning
- Aviation consultancy firms
- Aviation charter firms
- Air services
- Aviation regulatory and safety services
- Aviation safety authorities





BS Aviation Management

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English I [Reading & Writing Skills]	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technology	3(2-1)
Introduction to Aviation	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
English II [Communication Skills]	3(3-0)
Pakistan Studies	2(2-0)
Statistics	3(3-0)
Financial Accounting-I	3(3-0)
Principles of Management	3(3-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
English IIIEnglish III [Technical Writing & Presentation Skills]	3(3-0)
Psychology	3(3-0)
Micro Economics	3(3-0)
Financial Accounting-II	3(3-0)
Principles of Marketing	3(3-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
Organizational Behavior	3(3-0)
Macro Economics	3(3-0)
Aviation Sciences	3(3-0)
Meteorology	3(3-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Aircraft General Knowledge	3(3-0)
Air Space & Traffic Management	3(3-0)
Airport Planning & Management	3(3-0)
Aviation Law	3(3-0)
Health and Safety Environment of Aviation	3(3-0)
Credit Hours	18

Semester VI

Course Title	Cr Hr
Research Methodology	3(2-1)
Business Finance	3(3-0)
Flight Operation Management	3(3-0)
Airline Marketing Management	3(3-0)
Global Airline Management	3(3-0)
Corporate Aviation	3(3-0)
Credit Hours	18

Semester VII

Course Title		Cr Hr
Management Information System		3(3-0)
Human Factors in Aviation		3(3-0)
Managerial Leadership		3(3-0)
Safety Management System		3(3-0)
Aviation Security		3(3-0)
	Credit Hours	15

Semester VIII

Course Title	Cr Hr
Research Project	6(6-0)
Air Transportation Management	3(3-0)
Aircraft Accident Investigation	3(3-0)
Fiscal Aspects of Aviation	3(3-0)
Credit Hours	15
Total Credit Hours	128

BS International Relations

Program: BS International Relations

Short Title: BSIR

Duration: 8 Semesters (4 years)

Credit Hours: 131

Eligibility: Intermediate or equivalent with a

minimum of 45% marks

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies-1	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
English-I	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technology	3(3-0)
Introduction to International Relations	3(3-0)
Philosophy	3(3-0)
Political Science	3(3-0)
Credit Hours	21

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
ENGLISH-II	3(3-0)
STATISTICS	3(3-0)
Geography	3(3-0)
Economics	3(3-0)
PAKISTAN STUDIES	2(2-0)
Credit Hours	18

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
ENGLISH-III	3(3-0)
Psychology	3(3-0)
Introduction to Anthropology	3(3-0)
Globalization and International Relations	3(3-0)
Credit Hours	13

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Sociology	3(3-0)
International Relations: 1648-1945	3(3-0)
Geo-Political Structure of the World	3(3-0)
Approaches and Theories of International Relations	3(3-0)
Credit Hours	13

Semester V

Course Title	Cr Hr
International Relations: 1945-2000	3(3-0)
Public International Law-I	3(3-0)
Regional and International Organizations	3(3-0)
Foreign Policy Analysis	3(3-0)
International Political Economy	3(3-0)
Credit Hours	15

Semester VI

Course Title	Cr Hr
RESEARCH METHODOLOGY-I	3(3-0)
PUBLIC INTERNATIONAL LAW-II	3(3-0)
FOREIGN POLICY OF PAKISTAN	3(3-0)
DEFENCE AND STRATEGIC STUDIES	3(3-0)
DIPLOMACY	3(3-0)
CONFLICT MANAGEMENT AND RESOLUTION	3(3-0)
Credit Hours	18

Semester VII

Course Title	Cr Hr
COMPARATIVE AND DEVELOPMENTAL POLITICS (M-VII)	3(3-0)
COMPARATIVE FOREIGN POLICY OF MAJOR POWERS: US, RUSSIA, CHINA (M-VIII)	3(3-0)
INTERNATIONAL RELATIONS IN THE NEW MILLENNIUM (M-IX)	3(3-0)
RESEARCH THESIS (M-XIV) OR POLITICS OF PAKISTAN (M-XIII)	3(3-0)
ELECTIVE-I	3(3-0)
ELECTIVE-II	3(3-0)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
ARMS CONTROL AND DISARMAMENT (M-XI)	3(3-0)
RESEARCH THESIS (M-XIV) OR INTERNATIONAL POLITICS OF ENVIRONMENT (M-IX)	3(3-0)
ELECTIVE-III	3(3-0)
ELECTIVE-IV	3(3-0)
ELECTIVE-V	3(3-0)
Credit Hours	15
Total Credit Hours	131

BS Mass Communication

Program: BS Mass Communication

Short Title: BSMC

Duration: 8 Semesters (4 years)

Credit Hours: 126

Eligibility: Intermediate or equivalent with a

minimum of 45% marks

Introduction

BS Mass Communication program is designed to prepare students for a career in media, communications, film & TV production, and journalism. In addition to technical hands-on exposure, students also learn about media evolution through an examination of issues such as ownership, control of the media and impact of new media technologies on society. The program links theoretical knowledge and practical skills needed to perform effectively and successfully in the industry.

Objective:

The objective of this program is to provide students with a creative, diverse, and challenging academic environment that encourages risk-taking and promotes an examination of human values, cultural differences,

and social questions and to prepare students for areas in the print and telecommunications media sectors.

Role and Scope:

After completing the BS Mass Communication, the students will be able to:

- Learn latest trends in mass media as to how latest technology has changed the meaning of communication for us
- Analyze critically the contents of both print & electronic media
- Develop a practical understanding of field through internship
- Become media professional.





BS Mass Communication

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies-1	2(2-0)
Teaching of Holy Quran with Translation I	1(1-0)
Introduction to Mass Communication	3(3-0)
English-I	3(3-0)
Introduction to Information & Communication Technology	3(3-0)
Political Science	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with Translation II	1(1-0)
Geography	3(3-0)
News Writing (English/Urdu)	3(3-0)
English-II	3(3-0)
Pakistan Studies	2(2-0)
Functional Urdu	3(3-0)
Statistics	3(3-0)
Credit Hours	19

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation III	1(1-0)
Broadcast Journalism (TV & Radio)	3(3-0)
Editing News/Copy Editing (English/Urdu)	3(3-0)
Current Affairs	3(3-0)
English -III	3(3-0)
Economics	3(3-0)
Psychology	3(3-0)
Credit Hours	19

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation IV	1(1-0)
Reporting & Editing Workshop(English/Urdu)	3(3-0)
Media Ethics and Law	3(3-0)
Introduction to Film & Theater Studies	3(3-0)
Sociology	3(3-0)
Credit Hours	13

Semester V

Course Title	Cr I	Hr
Introduction to Advertising and PR	3(3-	-0)
Online journalism	3(3-	-0)
Communication Theories-I	3(3-	-0)
Contemporary World Media	3(3-	-0)
Mass Media in Pakistan	3(3-	-0)
	redit Hours 15	5

Semester VI

Course Title	Cr Hr
Feature, Column & Editorial Writing	3(3-0)
Communication Theories-II	3(3-0)
Foundation of Behavioral Research-I	3(3-0)
National & International Affairs	3(3-0)
Cred	dit Hours 15

Semester VII

Course Title	Cr Hr
Foundation of Behavioral Research-II	3(3-0)
Development Communication/DSC	3(3-0)
Internship	3(3-0)
Specialized Sequence Subject-I	3(3-0)
Specialized Sequence Subject-II	3(3-0)
Credit Hour	rs 15

Semester VIII

Course Title		Cr Hr
International Communication		3(3-0)
Final project/Research Report		3(3-0)
Media seminar		3(3-0)
Specialized Sequence Subject-I		3(3-0)
Specialized Sequence Subject-II		3(3-0)
	Credit Hours	15
	Total Credit Hours	126

Master of Business Administration

Program: Master of Business Administration

Short Title: MBA

Duration: 4 Semesters (2 years)

Credit Hours: 66

Eligibility: 16 years of relevant education with

CGPA 2.25/4.00 under semester system and grade 'B' under annual system with three years professional

work experience

GAT(General)/TUF Entry test with

50% marks.

Objectives:

The objectives of the MBA program are to develop the student's

- Technical and functional skills in such areas as accounting, finance, marketing, production operations, and human resource
- Analytical decision making skills so that the students can identify and diagnose problems, and formulate alternative solutions
- Ability to successfully communicate and interact with diverse individuals, as well as the ability to provide leadership, and to function as an entity in a competitive environment
- Inclination to innovate indigenous systems and management practices.

Role and Scope:

The Master of Business Administration (MBA) program is designed to meet the challenge of fulfilling the needs of the society.

The program provides a strong general background in management theory and practice alongwith a variety of other subjects e.g. finance, accounting, marketing, economics and statistics that can be integrated with technical and professional skills. The program meets the needs of a diverse group of students from business, commerce, social science, arts, humanities and other fields. Business and industrial sector is tremendously influenced by frequent changes in environmental, social, ecological, and economic forces. Keeping in view these challenges our MBA program will prepare the students for assuming responsibilities of management suiting to the situations.





MBA

Scheme of Studies

Semester I

Course Title	Cr Hr
Financial Accounting	3(3-0)
Business Economics	3(3-0)
Principles of Management	3(3-0)
Principles of Marketing	3(3-0)
Quantitative Decision Making	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Managerial Accounting	3(3-0)
Human Resource Management	3(3-0)
Business Communication	3(3-0)
Entrepreneurship	3(3-0)
Advanced Research Methods	3(3-0)
Elective-I	3(3-0)
Credit Hou	rs 18

Semester III

Course Title	Cr Hr
Strategic Management	3(3-0)
Strategic Marketing Management	3(3-0)
Financial Management	3(3-0)
Elective-II	3(3-0)
Elective-III	3(3-0)
Elective-VI Or Research Thesis	3(3-0)
Credit Hours	18

Semester IV

Course Title		Cr Hr
Strategic Finance		3(3-0)
Pakistan Economy		3(3-0)
Elective-IV		3(3-0)
Elective-V		3(3-0)
Elective-VII Or Research Thesis		3(3-0)
	Credit Hours	15
	Total Credit Hours	66

Elective Courses: Marketing

Course Title Course Title	Cr Hr
International Marketing	3(3-0)
Brand Management	3(3-0)
Integrated Marketing Communication	3(3-0)
E-Marketing	3(3-0)
Digital Marketing	3(3-0)
Seminars in Marketing	3(3-0)
Sales Management	3(3-0)
Marketing Research	3(3-0)

Elective Courses: Human Resource Management

Course Title	Cr Hr
Performance Management System	3(3-0)
Compensation Management	3(3-0)
Recruitment and Selection	3(3-0)
Human Resource Development	3(3-0)
Employee Relation and Description	3(3-0)
Management Theories	3(3-0)
Total Quality Management	3(3-0)
Project Management	3(3-0)
Comparative Management Systems	3(3-0)

Elective Courses: Finance

Elective courses. I marie	
Course Title	Cr Hr
Analysis of Financial Statements	3(3-0)
Corporate Finance	3(3-0)
Risk Management	3(3-0)
Investment & Portfolio Management	3(3-0)
Issues in Corporate Sector	3(3-0)
Financial Derivatives	3(3-0)
Corporate Audit and Assurance	3(3-0)
Taxation Management	3(3-0)
Financial Econometrics	3(3-0)

MBA Executive

Program: MBA Executive

Short Title: MBAE

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

Objectives:

Executive MBA is offered for in-service people in order to further amplify their careers in their current jobs or to get the better job on the basis of newly acquired skills. School of Management Studies is looking for those applicants who have prior knowledge about the program and are also clear about what they aspire from it. This program has been tailored to the requirements of the Pakistani business and is fully cognizant of the globalization. The program is aimed at developing the future business leaders ready to occupy challenging managerial positions in the leading multinational and national organizations in Pakistan and abroad. The program will nurture entrepreneurial abilities and skills of the aspiring ones who even want to start their own ventures, enabling them to recognize new opportunities and create new successful ventures or grow, build and revolutionize their existing jobs or family-owned businesses.

Role and Scope:

Even within existing company and in the current job, one can notice the difference in the career prospects of a pre-MBA and post-MBA. With an MBA degree under their belt, employees have a whole new world open up to them and are elevated to managerial positions on the strength of their additional abilities and knowledge gained through the MBA program.

If anyone is looking for a change in careers, this MBA degree will provide manifold opportunities in the fields of Marketing, Finance, Public Sector Management and Personal Businesses. The University of Faisalabad offers it in evening classes. Due to professional engagement of the students, the program has been made unique in a way that the class work is more extensive and focuses on case studies and problem solving activities.





MBA Executive

Scheme of Studies

Semester I

Course Title	Cr Hr
Financial Accounting	3(3-0)
Business Economics	3(3-0)
Principles of Management	3(3-0)
Principles of Marketing	3(3-0)
Quantitative Decision Making	3(3-0)
Credit H	ours 15

Semester II

Course Title	Cr Hr
Managerial Accounting	3(3-0)
Human Resource Management	3(3-0)
Business Communication	3(3-0)
Entrepreneurship	3(3-0)
Advanced Research Methods	3(3-0)
Elective-I	3(3-0)
Credit Hours	18

Semester III

Course Title	Cr Hr
Strategic Management	3(3-0)
Strategic Marketing Management	3(3-0)
Financial Management	3(3-0)
Elective-II	3(3-0)
Elective-III	3(3-0)
Elective-VI Or Research Thesis	3(3-0)
Credit Hours	18

Semester IV

Course Title	Cr Hr
Strategic Finance	3(3-0)
Pakistan Economy	3(3-0)
Elective-IV	3(3-0)
Elective-V	3(3-0)
Elective-VII Or Research Thesis	3(3-0)
Credit Hours	15
Total Credit Hours	66

Elective Courses: Marketing

Course Title	Cr Hr
International Marketing	3(3-0)
Brand Management	3(3-0)
Integrated Marketing Communication	3(3-0)
E-Marketing	3(3-0)
Digital Marketing	3(3-0)
Seminars in Marketing	3(3-0)
Sales Management	3(3-0)
Marketing Research	3(3-0)

Elective Courses: Human Resource Management

Course Title	Cr Hr
Performance Management System	3(3-0)
Compensation Management	3(3-0)
Recruitment and Selection	3(3-0)
Human Resource Development	3(3-0)
Employee Relation and Description	3(3-0)
Management Theories	3(3-0)
Total Quality Management	3(3-0)
Project Management	3(3-0)
Comparative Management Systems	3(3-0)

Elective Courses: Finance

Elective Courses. Finance	
Course Title Course Title	Cr Hr
Analysis of Financial Statements	3(3-0)
Corporate Finance	3(3-0)
Risk Management	3(3-0)
Investment & Portfolio Management	3(3-0)
Issues in Corporate Sector	3(3-0)
Financial Derivatives	3(3-0)
Corporate Audit and Assurance	3(3-0)
Taxation Management	3(3-0)
Financial Econometrics	3(3-0)

Postgraduate Programs

MS Management Sciences

Program: MS Management Sciences

Short Title: MSB

Duration: 1.5 semester (2 years)

Credit Hours: 30

Eligibility: • BBA or B Com (4 years) with

minimum CGPA 2.0 out of 4.00/MBA/MCom or equivalent with minimum

CGPA 2.0 out of 4.00

• GAT (General)/TUF Entry Test with

minimum 50% score

Scheme of Studies

Semester I

Course Title	Cr Hr
Strategic Marketing Management	3(3-0)
Strategic Human Resource Management	3(3-0)
Corporate Governance	3(3-0)
Advance Research Methodology	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Emerging Markets	3(3-0)
Statistical Tools For Research	3(3-0)
Strategic Management	3(3-0)
Strategic Financial Management	3(3-0)
Cro	edit Hours 12

Semester III

Course Title		Cr Hr
Dissertation		06
	Total Credit Hours	30

MS Risk & Safety Management

Program: MS Risk and Safety Management

Short Title: MSRM

Duration: 4 semester (2 years)

Credit Hours: 30

• BBA or B Com (4 years) with

minimum CGPA 2.0 out of 4.00/MBA/MCom or equivalent with minimum

CGPA 2.0 out of 4.00

• GAT (General)/TUF Entry Test with

minimum 50% score

Scheme of Studies

Semester I

Course Title	Cr Hr
Strategic Marketing Management (Core-3)	3(3-0)
Strategic Finance (Core-2)	3(3-0)
Advanced Research Methodology (Core-1)	3(3-0)
Elective Course-1	3(3-0)
Credit Hours	12

Semester II

Course Title		Cr Hr
Strategic Management (Core - 4)		3(3-0)
Elective Course - 2		3(3-0)
Elective Course - 3		3(3-0)
Elective Course - 4		3(3-0)
	Credit Hours	12

Semester III

Course Title		Cr Hr
Dissertation		06
	Total Credit Hours	30

MS Accounting & Finance

Program: MS Accounting & Finance

Short Title: MSAF

Duration: 4 semester (2 years)

Credit Hours: 30

Eligibility: • BBA or B Com (4 years) with

minimum CGPA 2.0 out of 4.00/MBA/MCom or equivalent with minimum

CGPA 2.0 out of 4.00

• GAT (General)/TUF Entry Test with

minimum 50% score

Scheme of Studies

Semester I

Course Title		Cr Hr
Corporate Audit and Assurance		3(3-0)
Contemporary Issues in Business		3(3-0)
Advanced Research Methodology		3(3-0)
Econometric		3(3-0)
	Credit Hours	12

Semester II

Course Title	Cr Hr
Advanced Corporate Reporting	3(3-0)
Advanced Corporate Finance	3(3-0)
Advanced Portfolio Management and Investment Analysis	3(3-0)
Management Accounting and Decision Making	3(3-0)
Credit Hours	12

Semester III

Course Title		Cr Hr
Thesis		06
	Total Credit Hours	30

PhD Management Sciences

Program: Short Title: Duration: PhD Management Sciences

PhDM

Duration: 6 Semester (3 years)

Credit Hours: 2

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.

Objectives:

The aim of PhD Management Studies program is to develop individuals who wish to pursue a research-oriented professional career in academia or business. PhD is a three years program based on rigorous research. The main objectives of the programs are:

- To prepare individuals with the depth of knowledge and research competence of international level to till positions in Research Organization, Industry, Management and Academic Institutions
- To improve the quantitative and qualitative problem- solving skills of teachers and professionals.
- To promote research activity
 in the domain of business
 administration particularly in the context of the
 business sector in Pakistan and other emerging
 economies.

Role and Scope:

The training available on this Integrated Study PhD program enables graduates to develop advanced skills in designing and conducting research in the Social Sciences. Such skills are highly applicable to a variety of careers in academia, business, government and nonprofit organizations. A doctoral degree program in business imparts a number of skills that can be applied as part of a corporate organization, independently as a consultant, or even working in the public policy field. These are a few of the jobs which PhD researchers might want to pursue following the completion of your program. Moreover, after completion one will be wellequipped to become an instructor in the business or management field and enter the private market as a member of a company or as an external consultant to improve business processes.

Scheme of Studies

Semester I

Course Title	Cr Hr
Philosophy of Management Sciences	3(3-0)
Quantitative Research Methods	3(3-0)
Challenges in Global Business Management	3(3-0)
Credit Hours	09

Semester II

Course Title	Cr Hr
Qualitative Research Methods	3(3-0)
Research Seminar	3(3-0)
Academic Writing-II	3(3-0)
Credit Hours	09

Semester III, IV, V, VI

Course Title		Cr Hr
Thesis		06
	Total Credit Hours	24

FACULTY OF LANGUAGES AND LITERATURE

Department of English Language and Literature

- · BS BS Urdu
- · BS English
- MPhil English Literature
- MPhil English Linguistics
- · PhD English Literature



66

Our qualified and experienced faculty provides advance training to the students in subject related areas and also assists them in character building and personality grooming. We work in collaboration with other departments of university in order to facilitate our students in other foundation courses, such as sociology, statistics, psychology and other. Rich and diverse curricula and co-curricular activities boost both intellect and individuality of each student. We help them grow professionally and spiritually for the promotion of our nation.

Dr Nailha Riaz Head, Department of English Language and Literature





BS English (Language & Literature)

Program: BS English (Language & Literature)

Short Title: BSEN

Duration: 8 semesters (4 years)

Credit Hours: 137

Eligibility: Intermediate with minimum Second

division or equivalent.

Location: Health Sciences wing &

Engineering wing

Objective:

Department of English aims to project the critical significance of two parallel and sometimes inseparable disciplines, Linguistics and Literature in English. (SE) at TUF is committed to endorse an enriching research-based pedagogic compound of synchronic and diachronic perspectives on language, with reference to both form and meaning. Similarly, it is also concerned with elusive nuances involved in the experience of aesthetics involving practical applications of these aesthetic principles on the works of literature. Parallel to it Department of English is also focused for the students' understanding of the literature, history and style of writing and techniques in use throughout the ages in the field of English.

Career Opportunities:

In the field of English after doing masters there are many career opportunities available for the students:

- Research
- Syllabus designing
- Language policy making
- Teaching
- Public relations
- · Freelance writing
- Advertising agencies
- Librarianship
- Journalism
- Legal documentation
- Management consultancy
- Editing
- Forensic acoustics
- Speech pathology
- · Speech therapy
- Media presentation
- · Literary criticism



BS English

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies	3(3-0)
Teaching of Holy Quran and Translation-I	1(1-0)
Study Skills	3(3-0)
Introduction to Information and Computer Technology	3(2-1)
English I (Reading and Writing Skills)	3(3-0)
Introduction to Literature	3(3-0)
Introduction to Linguistics	3(3-0)
Credit Hours	19

Semester II

Course Title	Cr Hr
Teaching of Holy Quran and Translation-II	1(1-0)
Pakistan Studies	2(2-0)
Statistics	3(3-0)
Mass Communication	3(3-0)
English-II (Composition Writing)	3(3-0)
Phonetics and Phonology	3(3-0)
History of English Literature (Literary Forms and Movements)	3(3-0)
Credit Hours	18

Semester III

Course Title	Cr Hr
Teaching of Holy Quran and Translation-III	1(1-0)
Psychology	3(3-0)
English-III (Communication and Presentation Skills)	3(3-0)
Classical and Renaissance Drama	3(3-0)
Classical Poetry	3(3-0)
Semantics and Pragmatics	3(3-0)
Psycholinguistics	3(3-0)
Credit Hours	19

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran and Translation-IV	1(1-0)
Sociology	3(3-0)
Human Rights and Citizenship	3(3-0)
English IV (Academic Reading and Writing)	3(3-0)
English Language Teaching	3(3-0)
Advance English Grammar	3(3-0)
Rise of the Novel 18th century to 19th century	3(3-0)
Credit Hours	19

Semester V

Course Title	Cr Hr
Entrepreneurship	3(3-0)
Introduction to Environmental Studies	3(3-0)
Sociolinguistics	3(3-0)
World Englishes	3(3-0)
Romantic and Victorian Poetry	3(3-0)
Modern Drama	3(3-0)
Credit Hour	s 18

Semester VI

Course Title	Cr Hr
Forensic Linguistics	3(3-0)
Critical Discourse Analysis	3(3-0)
Modern Poetry	3(3-0)
Modern Novel	3(3-0)
Research Methodology	3(3-0)
Cı	redit Hours 18

Semester VII

Course Title		Cr Hr
Literary Theory and Practice		3(3-0)
Prose		3(3-0)
Stylistics		3(3-0)
Postcolonial Studies		3(3-0)
Language Testing and Assessment		3(3-0)
	Credit Hours	15

Semester VIII

Course Title		Cr Hr
Research Project		3(3-0)
Literary Criticism		3(3-0)
World Literature		3(3-0)
Corpus Linguistics		3(3-0)
	Credit Hours	12
	Total Credit Hours	137

Postgraduate Programs

MPhil English Literature

Program: MPhil English Literature

Short Title: MPEL

Duration: 4 Semester (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

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Literary Criticism	3(3-0)
Elizabethan and Restoration Drama	3(3-0)
Aesthetics & Literary Genres	3(3-0)
American Literature - I (Novel and Short Story)	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Advanced Research and Bibliographic Methods	3(3-0)
Modern and Contemporary Fiction	3(3-0)
American Literature - II (Drama and Poetry)	3(3-0)
World Literature in Translation	3(3-0)
Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Thesis		6(6-0)
	Credit Hours	6
	Total Credit Hours	30

MPhil English Linguistics

Program: MPhil English Linguistics

Short Title: MPELING

Duration: 4 Semester (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

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Research Methods in Linguistics (Core)	3(3-0)
Language Power and Identity (Core)	3(3-0)
Elective-I	3(3-0)
Elective-II	3(3-0)
Credit Hours	12

Semester II

Course Title	Cr Hr
Corpus Linguistics (Core)	3(3-0)
Advanced Stylistics (Core)	3(3-0)
Elective-III	3(3-0)
Elective-IV	3(3-0)
Cr	redit Hours 12

Semester III & IV

Course Title		Cr Hr
Thesis		6(6-0)
	Credit Hours	6
Total C	Credit Hours	30

PhD English Literature

Program: PhD English Literature

Short Title: PhDEL

Duration: 6 Semester (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.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
South Asian Literature	3(3-0)
Psychoanalytic Literary Criticism	3(3-0)
Logic and Critical Thinking	3(3-0)

Semester II

Course Title	Cr Hr
Advanced Postmodern Literature	3(3-0)
The Romantic Aesthetics	3(3-0)
Rhetoric and Persuasion	3(3-0)

Semester III, IV, V, VI

Course Title		Cr Hr
Research Work & Thesis		06
	Total Credit Hours	24

FACULTY OF EDUCATION

Department of Education

- BEd Hons (Education)
- BEd
- MPhil Education
- PhD Education

BEd Hons (Education)

Program: BEd Hons (Education)

Short Title: BSED

Duration: 8 semesters (4 years)

Credit Hours: 127

Eligibility: Intermediate with minimum 45%

marks or equivalent

Location: Health Sciences wing &

Engineering wing

BEd Hons (Education)

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	3(3-0)
English-I	3(3-0)
Mathematics	3(3-0)
Introduction to Information and Communication Technologies	3(2-1)
Foundation of Education	3(3-0)
Teaching of Holy Quran with Translation-I	1(1-0)
Credit Hours	16
Credit Hours	10

Semester II

Course Title	Cr Hr
Pakistan Studies	3(3-0)
English-II	3(3-0)
Teaching of Holy Quran with Translation-II	1(1-0)
Urdu Language	3(3-0)
General Methods of Teaching	3(3-0)
General Science	3(3-0)
Credit Hours	16

Semester III

Course Title	Cr Hr
English-III	3(3-0)
Psychology	3(3-0)
Teaching of Holy Quran with Translation-III	1(1-0)
Psychology	3(3-0)
Teaching of Urdu Language	3(3-0)
Child Development	3(3-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Statistics	3(3-0)
Sociology	3(3-0)
Classroom Management	3(3-0)
Arts, Crafts & Calligraphy	3(3-0)
Teaching of General Science	3(3-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Teaching Practice I (short Term)	3(3-0)
Classroom Assessment	3(3-0)
Teaching of English	3(3-0)
Teaching of Mathematics	3(3-0)
Teaching of Social Studies	3(3-0)
Teaching Literacy Skills	3(3-0)
Credit Hours	18

Semester VI

Course Title		Cr Hr
Research Methodology		3(3-0)
Teaching Practice II		3(3-0)
Curriculum Development		3(3-0)
School, Community & Teacher		3(2-1)
Educational Psychology		3(3-0)
С	redit Hours	15

Semester VII

Course Title	Cr Hr
Contemporary Trends & Issues	3(3-0)
Introduction to Guidance & Counseling	3(3-0)
Comparative Education	3(3-0)
Technology in Education	3(3-0)
Home Economics I	3(3-0)
Credit Hours	15

Semester VIII

Course Title	Cr Hr
Research Project	6(6-0)
Home Economics II	3(3-0)
Development of Education in Pakistan	3(3-0)
Pedagogical Skills	3(3-0)
Credit Hours	15
Total Credit Hours	127

BEd

Program: BEd

Short Title: BEd

Duration: 3 semesters (1.5 years)

Credit Hours: 51

Eligibility: 16-years of Education (MA, MSc,

MCom or equivalent) in any discipline

like Sciences, Social Sciences,

Humanities and others, with minimum second division/2.00 CGPA from a university recognized by HEC.

Location: Engineering wing

MPhil Education

Program: MPhil Education

Short Title: MPED

Duration: 4 semesters (2 years)

Credit Hours: 30

Eligibility: 1Master/BS four years degree in

Education with minimum CGPA 2.0 out of 4.00 GAT(General)/TUF entry

test with 50% marks

Location: Engineering wing

PhD Education

Program: PhD Education

Short Title: PhDED

Duration: 6 Semester (3 years)

Credit Hours: 24

Eligibility: • 18 Years of Education, MS/MPhil or

a graduate admission test

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

administered by the Education Testing Council, or an equivalent TUF test developed by TUF is mandatory to

pass.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title		Cr Hr
Philosophical Paradigms of Education		3(3-0)
Advance Research Methods		3(3-0)
Contemporary Trends in Education		1(1-0)
	Credit Hours	09

Semester II

Course Title	Cr Hr
Topical Seminar on Research Designs	3(3-0)
Scholar will select any two from the following elective courses	
Comparative Education	3(3-0)
Theories and Models of Curriculum Development	3(3-0)
Advance Educational Psychology	3(3-0)
Teacher Education	3(3-0)
Advance Educational Assessment and Evaluation Procedure	3(3-0)
Credit Hours	09

Semesters III, IV, V & VI

Course Title		Cr Hr
Thesis		6(0-6)
	Credit Hours	06
	Total Credit Hours	24

FACULTY OF LAW

Department of Law

- Bachelor of Laws (LLB)
- BS Criminology
- BS Shariah (Islamic Figh)



Law is an intellectually challenging and rewarding career. Our Law program focuses on building a conducive environment for learning the right set of legal knowledge and skills. We ensure that such a foundation is laid, which supports a professional legal career.

Same-Ur-Rahman Head, Department of Law





LLB

Program: Bachelor of Laws

Short Title: LLB

Duration: 10 semesters (5 years)

Credit Hours: 167

Eligibility: At least 45% marks intermediate or

equivalent. The applicant will have to take LAT and pass the interview as well. Any other conditions as prescribed by HEC & PBC Rules.

Location: Engineering wing

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic studies/ Ethics	2
Teaching of holy Quran with translation	1
English-I	3
Introduction to Sociology	3
Fundamentals of Economics	3
Introduction to Law	3
Skills Development	3
Credit Hours	18

Semester II

Course Title	Cr Hr
Teaching of Holy Quran with translation-II	1
English-II	3
Pakistan Studies	2
Principles of Political Science	3
Legal system of Pakistan	3
History (South Asia)	3
Law of Torts-I	3
Credit Hours	18

Semester III

Course Title		Cr Hr
Teaching of Holy Quran with translation	-111	1
English-III		3
Introduction to logic and reasoning		3
Islamic Jurisprudence-I		3
Law of Torts-II		3
Law of Contract-I		3
Constitutional Law-I (UK)		3
	Credit Hours	19

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with translation-IV	1
Human Rights Law	3
Constitutional Law-II(US)	3
Law of Contract-II	3
Islamic Jurisprudence-II	3
Introduction to Psychology	3
Credit Hours	16

Semester V

Course Title	Cr Hr
Jurisprudence-I	3
Constitutional Law-III(Pakistan)	3
Islamic Personal Law-I	3
Criminal Law-I	3
Law of Property	3
Introduction to Psychology	3
Credit Hours	15

Semester VI

Course Title	Cr Hr
Jurisprudence-II	3
Law of Business Organizations	3
Islamic Personal Law-II	3
Criminal Law-II	3
Land Laws	3
Credit Hours	15

Semester VII

Course Title	Cr Hr
Public International Law-I	3
Constitutional Development In Pakistan	3
Civil Procedure-I	3
Criminal Procedure-I	3
Law of Evidence-I	3
Legal Drafting-I	3
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Public International Law-II	3
Equity and Specific Relief	3
Civil Procedure-II	3
Criminal Procedure-II	3
Law of Evidence-II	3
Legal Drafting-II	3
Credit Hours	18

Semester IX

Course Title		Cr Hr
Research Methods		3
Minor Acts		3
Elective-I *		3
Elective -II*		3
Moot Cases and Professional Ethics		3
	Credit Hours	15

Semester X

Course Title	Cr Hr
Administrative Law	3
Interpretation of Students and Legislative Drafting	3
Research Project	3
Elective-III*	3
Elective-IV*	3
Credit Hours	15
Total Credit Hours	167

BS Criminology

Program: BS Criminology

Short Title: BSCRI

Duration: 8 Semesters (4 years)

Credit Hours: 131

Eligibility: Intermediate with minimum 45%

marks or equivalent

Location: Engineering wing

Introduction:

The BS (4-Year) Programme in Criminology has been designed to disseminate a blend of theoretical and practical knowledge needed to understand crime, criminal behavior and criminality. The major objective of this program is to provide the students with handson-training in the specialized fields of criminology such as forensic criminology, criminal and juvenile justice systems, criminal investigation, geographic crime analysis, crime mapping and security related issues through its extensive internship program. Special

focus has been given on developing research skills. Students are required to carry out research project/ thesis to uncover the major issues related to the field of criminology.

Objectives:

The graduates of the BS Criminology will beable to:

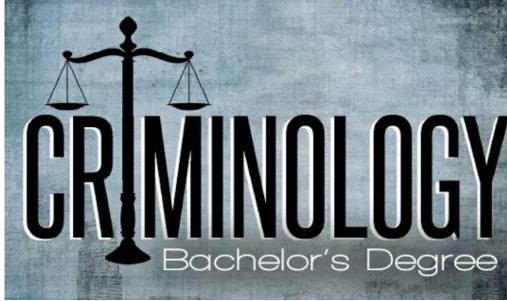
- Conduct criminological research on crimes, crime causation, victims and offenders to include deviant behavior
- Internalize the concepts of human rights and victim welfare
- Demonstrate competence and broad understanding in law enforcement administration, public safety and criminal justice
- Utilize criminalistics or forensic science in the investigation and detection of crime
- Apply the principles and jurisprudence of criminal law, evidence and criminal procedure
- Ensure rehabilitation, welfare, development and reintegration of offenders in the community.

Role and Scope:

This program is developed to provide the young graduates with job oriented skills to augment employability in particular and producing young professionals to re-shape the policies to prevent crime in Pakistan in general. The BS Criminology degree prepares students for professional careers in the following areas:

- Work in law enforcement agencies
- Private Investigator
- Prison officer
- Criminal psychologist
- Criminal profiler
- Probation officer
- Social worker
- Consultant
- Detective





BS Criminology

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies-I	2(2-0)
English I	3(3-0)
Mathematics	3(3-0)
Introduction to Information & Communication Technologies	3(2-1)
Introduction to Criminology	3(3-0)
Teaching of Holy Quran with Translation I	1(1-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English II	3(3-0)
Economics	3(3-0)
Law	3(3-0)
International Relations	3(3-0)
Sociology of Deviance	3(3-0)
Teaching of Holy Quran with Translation II	1(1-0)
Credit Hours	15

Semester III

Course Title	Cr Hr
English III	3(3-0)
Social Psychology	3(3-0)
Social Problems of Pakistan	3(3-0)
Media Studies	3(3-0)
Theoretical Perspectives on Crime and Criminals	3(3-0)
Teaching of Holy Quran with Translation III	1(1-0)
Credit Hours	16

Semester IV

Course Title	Cr Hr
English III	3(3-0)
Sociology	3(3-0)
Organizational Behavior and Human Resource Development	3(3-0)
Juvenile Delinquency Criminal Psychology	3(3-0)
Islamic Perspective on Crime and Punishment	3(3-0)
Teaching of Holy Quran with Translation IV	1(1-0)
Credit Hours	16

Semester V

Course Title	Cr Hr
Statistics	3(3-0)
Applied Criminology	3(3-0)
Criminal Justice System	3(3-0)
Penology	3(3-0)
Crime and Security	3(3-0)
Correctional Institutions	3(2-1)
Credit Hours	18

Semester VI

Course Title		Cr Hr
Research Methodology		3(3-0)
Patterns of Crime		3(3-0)
Forensic Criminology		3(2-1)
Police and Policing		3(2-1)
Victimology		3(3-0)
	Credit Hours	15

Semester VII

Cr Hr
3(2-1)
3(3-0)
3(3-0)
3(3-0)
3(3-0)
15

Semester VIII

Seillestei viii	
Course Title	Cr Hr
Research Project	6(0-6)
Community Justice and Crime Prevention	3(2-1)
Methods of Criminal Investigation	3(3-0)
Drug Abuse and related Crimes Or Human Rights	3(3-0)
Women and Crime Or Violence and Terrorism	3(3-0)
Credit Hours	18
Total Credit Hours	131

BS Shariah (Islamic Fiqh)

Program: BS Shariah (Islamic Fiqh)

Short Title: BSS

Duration: 8 semesters (4 years)

Credit Hours: 145

Eligibility: FA/FSc with at least 45% marks and

Shahadat al-Sanvia Khassa with at

least 45% Marks.

Location: Engineering wing

Semester III

3-0)
3-0)
3-0)
3-0)
3-0)
3-0)
3

Semester VI

Course Title	Cr Hr
Islamic Law of Surety Ship	03 (3-0)
Theories of Islamic Law. (Theory of Contract.)	03 (3-0)
Usul-ul-Fiqh-IV	03 (3-0)
ljtihad and Taqleed	03 (3-0)
Islamic Law of Constitution	03 (3-0)
Current Jurisprudential Issues	03 (3-0)
Credit Hours	18

Scheme of Studies

Semester I

Course Title	Cr Hr
Functional Arabic Language (1)	03 (3-0)
Terminology Legal Islamic	03 (3-0)
English-I	03 (3-0)
Introduction to Economics/ Islamic Economics	03 (3-0)
Introduction to Information and Communication Technology	03 (3-0)
Introduction to Law	03 (3-0)
Teachings of the Holy Quran	01 (1-0)
Credit Hours	19

Semester IV

Course Title	Cr Hr
Commutative and Gratuitous Contract	03 (3-0)
Islamic Legal History	03 (3-0)
Islamic Family Law - I	03 (3-0)
Arabic Theoric	03 (3-0)
Usul-ul-Fiqh-II	03 (3-0)
Islamic Criminal Law-1	03 (3-0)
Credit Hours	18

Semester VII

Delliegrei All	
Course Title	Cr Hr
Islamic International Law	03 (3-0)
Islamic Procedural Laws	03 (3-0)
Maqasid al-Shariah	03 (3-0)
Islamic Legal Maxims	03 (3-0)
Criminal Laws of Pakistan (relevant provision of PPC, Hudood Ordinances and Qisas o Dordinance)	
Adab al-Mufti	03 (3-0)
Cree	dit Hours 18

Semester II

Course Title	Cr Hr
Functional Arabic language (2)	03 (3-0)
English-II	03 (3-0)
Entrepreneurship	03 (3-0)
Pakistan Studies	02 (2-0)
Introduction to Sociology	03 (3-0)
Textual Study of Figh - I	03 (3-0)
Teachings of the Holy Quran	01 (1-0)
	18

Semester V

Course Title	Cr Hr
Islamic Family Law - II	03 (3-0)
Islamic Criminal Law-2	03 (3-0)
Islamic Law of Partnership	03 (3-0)
Usul-ul-Fiqh-III	03 (3-0)
Islamic Law of Banking	03 (3-0)
Islamic Law of Torts	03 (3-0)
Credit Hours	18

Semester VIII

Course Title	Cr Hr
Contemporary challenges to Islamic Law & Jurisprudence	03 (3-0)
Islamization of Laws in Pakistan	03 (3-0)
Pre & Post Modernization: Family Laws of Islam	03 (3-0)
Research Methodology	03 (3-0)
Evolution of Islamic Law & Jurisprudence in Modern Age	03 (3-0)
Research Project/Thesis	03 (3-0)
	18
Total Credit Hours	145

FACULTY OF ARTS & SOCIAL SCIENCES

Programs Offered

DEPARTMENT OF ARABIC & ISLAMIC STUDIES

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

DEPARTMENT OF DESIGN AND INTERIORS

- · Bachelor of Interior Design
- · Bachelor of Graphic Design

DEPARTMENT OF ARABIC & ISLAMIC STUDIES



66

The curriculum of Islamic Studies has been designed to acquaint the students with as much Islamic knowledge as can enable them to cope with the situation for which they must have command over basic sources of Islam. Our degree programs developed for the future requirements of global Islamic society. Its aims at preparing graduate equipped with leadership qualities and professional expertise beside excellence in Arabic and Islamic studies.

Prof Dr Matloob Ahmad Head, Department of Islamic Studies

Vision:

The vision of School of Arabic and Islamic studies is to be recognized as a leader in Islamic education and research through excellence in education and targeted research themes in emerging areas.

Mission:

Arabic & Islamic Studies department is to provide the theological, spiritual and religious standing to the society of Islamic Republic of Pakistan. The students of the department must be able to solve the contemporary issues and introduce Islam as religion of peace, tolerance and mutual harmony to the people of Pakistan.

The department is striving with missionary spirit for the upbringing of the students according to the parameters of Islamic education. Focus of the department is on character building of students in the light of Quran and Sunnah so that they may be able to get actual insight of religion and contemporary worldwide issue in the right perspective as well. Main objective of or programs is to make students capable of preaching Islamic Teachings as per the Introduction of Islam as the religion of peace, tolerance and mutual harmony.

BS Islamic Sciences

Program: BS Islamic Sciences

Short Title: BSIS

Duration: 8 semesters (4 years)

Credit Hours: 128

Eligibility: Intermediate with minimum second

division or equivalent



Program Objectives:

BS Islamic Sciences is a program developed for the future requirements of global Islamic society. It aims at preparing graduates who are equipped with leadership qualities and professional expertise besides excellence in Islamic knowledge. On successful completion of this course, The University of Faisalabad aspires its graduates to have emerged as capable of rendering scholarly contribution towards development of new socio-economic horizon in the community. The academic achievement of BS Islamic Sciences program has been envisaged in its principal goals & objectives determined as under:

- To evolve a strong mechanism for producing generation of scholars committed to play a vital role in the enhancement of Islamic culture and civilization.
- To produce visionary, creative, and sound professionals applying their knowledge effectively and efficiently.
- To ensure regular academic environment in each discipline in order to meet the higher standards of education.
- To develop scholastic attitude & collective struggle among graduates for understanding research, based on real quest of knowledge and true spirit of Islamic civilization.
- To create a favorable environment for prosperity, development, character building, and professional excellence.
- To create awareness and motivation among masses through our graduates for adopting life styles based on universal principle of justice, fraternity, and brotherhood.

Career Opportunities:

BS Islamic Sciences program aims at producing vocationally strong graduates through discovering new fields of operation as well as developing new strategies of work. Equipped with the abilities to use modern techniques and skills, they become eligible for tremendous job opportunities in both public & private sectors particularly in the following areas:

- Human Resource Development through teaching and character building.
- Banking sector, particularly Islamic Banking operations.
- Excellent career in research and development.
- A broad spectrum of socio religious community services especially those of civil society organizations (NGO's).
- Consultancy and Advisory services rendered to the public and private organizations.
- A vast scope of socio-commercial management.



BS Islamic Sciences

Scheme of Studies

Semester I

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
English-I	3(3-0)
Mathematics	3(3-0)
Introduction to Information and communication technologies	3(2-1)
Economics	3(3-0)
Teaching of Holy Quran with Translation-I	1(1-0)
Credit Hours	15

Semester IV

Course Title	Cr Hr
Teaching of Holy Quran with Translation-IV	1(1-0)
Statistics	3(3-0)
Mass Communication	3(3-0)
Sociology	3(3-0)
Uloom ul Hadith	3(3-0)
History of Compilation of Hadith	3(3-0)
Credit Hours	16

Semester VII

Course Title	Cr Hr
Introduction to World Religions	3(3-0)
Textual study of Al-Fiqh -Al-Akbar	3(3-0)
World History	3(3-0)
Al-Dawa-Wal Irshad	3(3-0)
Study of Seerah of Holy Prophet (PBUH)	3(3-0)
Credit Hours	15

Semester II

Course Title	Cr Hr
Pakistan Studies	2(2-0)
English-II	3(3-0)
Teaching of Holy Quran with Translation-II	1(1-0)
Arabic Language-I	3(3-0)
Uloom-ul- Quran	3(3-0)
Study of Islamic Fiqh	3(3-0)
Credit Hours	15

Semester V

Course Title	Cr Hr
Textual Study of Hadith-I	3(3-0)
Textual Study of Al-Quran-II	3(3-0)
Usul-al-Fiqh	3(3-0)
History of Tafseer	3(3-0)
Islamic Economics	3(3-0)
Cultural History of Islam	3(3-0)
Credit Hours	18

Semester VIII

Semester viii	
Course Title	Cr Hr
Research Project	6(6-0)
History of Fiqh (Islamic Laws)	3(3-0)
Textual study of Muslim family laws	3(3-0)
Islam and modern Political Thoughts	3(3-0)
Credit Hours	15
Total Credit Hours	128

Semester III

Course Title	Cr Hr
English-III	3(3-0)
Psychology	3(3-0)
Teaching of Holy Quran with Translation-III	1(1-0)
Arabic Language-II	3(3-0)
Tib-e- Nabvi	3(3-0)
Textual Study of Al-Quran-I	3(3-0)
Credit Hours	16

Semester VI

Course Title	Cr Hr
Research Methodology	3(3-0)
Study of Tasawwuf	3(3-0)
Objectives of Shariah	3(3-0)
Islamic Morals	3(3-0)
Textual Study of Al-Quran-III	3(3-0)
Islam and Modern Social Thoughts	3(3-0)
Credit Hours	18

Postgraduate Programs

MPhil Islamic Studies

Program: MPhil Islamic Studies

Short Title: MPI

Duration: 4 semester (2 years)

Credit Hours: 30

Eligibility: 16 Years education in Islamic Studies

or equivalent with 50% marks. GAT General qualified with 60%

marks.

Scheme of Studies

Semester I

Course Title	Cr Hr
Uloom-ul-Quraan	3(3-0)
Principles of Research	3(3-0)
Elective I	3(3-0)
Elective II	3(3-0)
Credit Hours	12

Semester II

Course Title		Cr Hr
Elective III		3(3-0)
Elective IV		3(3-0)
Elective V		3(3-0)
Elective VI		3(3-0)
	Credit Hours	12

Semester III & IV

Course Title		Cr Hr
Thesis		6(0-6)
	Credit Hours	06
	Total Credit Hours	30

List of Elective Courses MPhil Islamic Studies

Course Title	Cr Hr
Arabic language and Literature	3(3-0)
Islamic Literature in English	3(3-0)
Comparative Study of Religions	3(3-0)
Study of Fiqh and Usool-e-Fiqh	3(3-0)
Study of Seerah and Islamic Mysticism	3(3-0)
Uloom-ul-Hadith	3(3-0)
Modern Western Seerah Writers	3(3-0)
Islamic HistoryPhilosophy and Impacts	3(3-0)
Western Literary Approach about Islam	3(3-0)
Islamic Culture and Civilization(Classical Era)	3(3-0)
Islamic Culture and Civilization (Modern Era)	3(3-0)
Islamic EducationResearch and Methodology	3(3-0)
Islamic Languages and Literature	3(3-0)
Analytical Study of Political Systems	3(3-0)
Comparative Study of Religious Thought	3(3-0)





Postgraduate Programs

PhD Islamic Studies

Program: PhD Islamic Studies

Short Title: PHDIS

Duration: 6 semester (3 years)

Credit Hours: 24

Eligibility: MPhil in Islamic Studies having

minimum 3.00 CGP.

GAT Subject qualified with 70% marks.

Scheme of Studies

Semester I

Course Title	Cr Hr
Advanced Islamic Studies	3(3-0)
Contemporary Trends and Comparative Studies in Tafseer	3(3-0)
Elective I	3(3-0)
Credit Hours	09

Semester II

Course Title	Cr Hr
Principles of Criticism in Islamic Research	3(3-0)
Elective II	3(3-0)
Elective III	3(3-0)
Credit Hours	09

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

Semester III to VI

Course Title		Cr Hr
Thesis		6(0-6)
	Credit Hours	06
	Total Credit Hours	24

List of Elective Courses MPhil Islamic Studies

Course Title	Cr Hr
Research in Uloom-ul-Hadith	3(3-0)
Modern Fiqhi Problems in Pakistan	3(3-0)
Trends of Seerah Writing	3(3-0)
Religious and Literary Movements of Muslim World	3(3-0)
Seerah Studies(Muslim and Oriental Writers)	3(3-0)
Impact of Muslim Ideology on Western Writers	3(3-0)
Modern Ideological and Logical Problems	3(3-0)
ljtihaad and Contemporary Challenges	3(3-0)
Islam and Modern Economic Policies	3(3-0)
Major Gender IssuesIslamic Solutions	3(3-0)
Philosophy and Objectives of Shariah	3(3-0)
Religions and Literary Movements of Muslim World	3(3-0)
Tasawwuf and Post Modernity	3(3-0)
Islam and Christianity: Theological Themes	3(3-0)
Human Rights Law: A Comparative Perspective	3(3-0)



DEPARTMENT OF DESIGN AND INTERIORS



66

Department of Design & Interiors has been established to fulfill the contemporary necessities in building sector, while providing appropriate skills in a developed, formalized, aesthetic based craft oriented version with practical applications by incorporating space planning and problem solving methodologies, supplemented with general education coursework.

Ms Afsheen Javaid Head, Department of Design and Interiors







Bachelor of Interior Design

Program: Bachelor of Interior Design

Short Title: BID

Duration: 8 Semesters (4 years)

Credit Hours: 126

Eligibility: Students are eligible to apply for

admission if they have successfully completed your FA/FSc. with 50% marks (2nd division) or have an A level

pass in three subjects (IBCC

equivalence certificate is required), or an equivalent national or international

qualification.

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's 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.

Objectives:

The program should be developed to achieve the following objectives:

- To fulfill a need for high quality manpower in designing, planning and managing the built environment at national & international level creating designers with advanced creative approaches towards real-time issues in the contemporary world.
- To address the need for training of professionals who are ethically sensitive to the norms, needs and values of the society and the profession reflecting curiosity, flexibility, empathy, imagination, expansive thinking and critical analysis not only in design but also in their various ways of life.
- To provide an opportunity for students towards specialized design pedagogy suited to their interest and needs situated in between boundaries of landscape, lighting, furniture & architecture design.
- To generate a pool of highly trained and skilled practitioners, researchers, educators and also provide resource to building interiors who understand the norms of spatial environments and how they influence our practices in life.
- To promote effective studio teaching and collaborative learning through multiple disciplines & mediums imploring concepts, strategies, codes & techniques and structure a framework that develops a sound multi-disciplinary approach towards design.





Bachelor of Interior Design

Scheme of Studies

Semester I

Course Title	Cr Hr
Application of Information Communication Technologies	3(2-1)
Teaching of Holy Quran with Translation-I	N-C
Functional English	3(3-0)
Ideology & Constitution of Pakistan	2(2-0)
Drawings & Graphics	3(1-2)
Basics of Design	4(1-3)
Credit Hours	15

Semester IV

Course Title	Cr Hr
Psychology	2(2-0)
Teaching of Holy Quran with Translation IV	N-C
Entrepreneurship	2(2-0)
Research Methodology	3(3-0)
Interior Design Studio – I	4(1-3)
Fundamentals of Interior Design	3(3-0)
Credit Hours	14

Semester Summer

Course Title	Cr Hr
Internship	3(0-3)
Credit Hours	03

Semester II

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation -II	N-C
Expository Writing	3(3-0)
IVisual Communication	3(2-1)
Design Studio – I	4(1-3)
Creative Arts	2(2-0)
Credit Hours	14

Semester V

Course Title	Cr Hr
History of Art & Design-II*	3(3-0)
Advanced Visual Communication*	3(2-1)
Textiles & Design	2(2-0)
Interior Decoration	3(2-1)
Digital Communication	2(0-2)
Interior Design Studio – II*	4(1-3)
Credit Hours	17

Semester VII

Course Title		Cr Hr
Art & Society (Critical Theories)		2(2-0)
Building Systems & Services		3(3-0)
Lighting Systems		3(2-1)
Language of Interior Design – II*		3(2-1)
Thesis Studio – I*		6(1-5)
C	redit Hours	17

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	N-C
Statistics	3(3-0)
Environmental Studies	3(2-1)
Community Service Learning	2(2-0)
History of Art & Design I	3(3-0)
Design Studio – II*	4(1-3)
Credit Hours	15

Semester VI

Course Title	Cr Hr
Design Anthropology	2(2-0)
Material & Technologies	3(3-0)
Advanced Digital Communication*	2(0-2)
Furniture Design	3(2-1)
Language of Interior Design – I	3(2-1)
Interior Design Studio – III*	4(1-3)
Credit Hours	17

Semester VIII

Course Title	Cr Hr
Professional Practice & Ethics	2(2-0)
Landscape Design	3(2-1)
Sustainable Design	3(3-0)
Thesis Studio – II*	6(1-5)
Credit Hours	14
Total Credit Hours	126

^{*}Pre-Requisite Courses

Bachelor of Graphic Design

Program: Bachelor of Graphic Design

Short Title: BGD

Duration: 8 Semesters (4 years)

Credit Hours: 126

Eligibility: Students are eligible to apply for

admission if they have successfully completed your FA/FSc. with 50%

marks (2nd division)

or have an A level pass in three subjects (IBCC equivalence certificate is required), or an equivalent national

or international qualification.

Introduction:

The University of Faisalabad offers a 4 year Bachelor of Design degree in Graphic Design, 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.

Objectives:

The program is developed to achieve the following objectives:

- Togenerate an extensive coherent body of knowledge, with depth in the underlying principles and concepts of interdisciplinary subjects including creative coding, photography and animation, editorial, advertising, illustration, publishing, interactive, new media, packaging, identity, experience, motion graphics, installations and exhibitions.
- To develop cognitive skills of individuals to critically analyze, consolidate and synthesize knowledge to identify and solve problems with intellectual independence and cultivate communication skills to present coherent and independent exposition of knowledge and ideas.
- To reflect the application of acquired knowledge and technical skills with responsibility and accountability for own learning and professional practice and in collaboration with others within broad parameters.
- To demonstrate a sound and critical understanding of various theories of visual design and their relationship to design history, design practice and broader theories of culture and knowledge and its implications in exploring design situations and outcomes for a range of contemporary scenarios.
- To curate skills and knowledge of the practices, languages, forms, materials, technologies and techniques in the graphic design discipline and apply these relevant skills and knowledge to produce and realize works, artefacts and forms of design expression through creative, critical and reflective thinking and practice.





Bachelor of Graphic Design

Scheme of Studies

Semester I

Course Title	Cr Hr
Application of Information Communication Technologies	3(2-1)
Teaching of Holy Quran with Translation-I	N-C
Functional English	3(3-0)
Ideology & Constitution of Pakistan	2(2-0)
Drawings & Graphics	3(1-2)
Basics of Design	4(1-3)
Credit Hours	15

Semester IV

Course Title	Cr Hr
Psychology	2(2-0)
Teaching of Holy Quran with Translation-IV	N-C
Entrepreneurship	2(2-0)
Research Methodology	3(3-0)
Graphic Design Studio – I	4(1-3)
Illustration Design	3(2-1)
Credit Hours	14

Semester Summer

Course Title		Cr Hr
Internship		3(0-3)
	Credit Hours	03

Semester II

Course Title	Cr Hr
Islamic Studies/Ethics	2(2-0)
Teaching of Holy Quran with Translation-II	N-C
Expository Writing	3(3-0)
Visual Communication	3(2-1)
Design Studio – I	4(1-3)
Creative Arts	2(2-0)
Credit Hours	14

Semester V

Course Title	Cr Hr
History of Art & Design-II*	3(3-0)
Advanced Visual Communication*	3(2-1)
Design in Motion-I	3(2-1)
Graphic Design Studio – II*	4(1-3)
Print & Publishing Media	2(2-0)
Speculative Design Practice	2(2-0)
Credit Hours	17

Semester VII

Serilester vii	
Course Title	Cr Hr
Art & Society [Critical Theories]	2(2-0)
Typography Design	3(2-1)
Data Visualization	3(1-2)
Web Design & Interactivity-I	3(2-1)
Thesis Studio-I*	6(1-5)
Credit Hours	17

Semester III

Course Title	Cr Hr
Teaching of Holy Quran with Translation-III	N-C
Statistics	3(3-0)
Environmental Studies	3(2-1)
Community Service Learning	2(2-0)
History of Art & Design-I	3(3-0)
Design Studio – II*	4(1-3)
Credit Hours	15

Semester VI

Course Title	Cr Hr
Design Anthropology	2(2-0)
Character Design & Narratives	2(0-2)
Design in Motion-II*	3(2-1)
Animation Design	3(2-1)
Sensorial Communication	3(2-1)
Graphic Design Studio – III*	4(1-3)
Credit Hours	17

Semester VIII

Course Title	Cr Hr
Professional Practice & Ethics	2(2-0)
Marketing and Merchandising	3(3-0)
Web Design & Interactivity -II*	3(2-1)
Thesis Studio-II*	6(1-5)
Credit Hours	14
Total Credit Hours	126

^{*}Pre-Requisite Courses

RULES AND REGULATIONS

1. CREDIT HOURS FOR UNDERGRADUATE AND **GRADUATE DEGREES**

- 1.1. A credit hour means teaching/earning a theory course for one hour each week throughout the semester 1.2. One credit hour in laboratory or practical work/ project will require lab contact of three hoursper week throughout the semester as per the requirement of a program.
- 1.3. The credit hours are denoted by two digits within brackets with a hyphen/plus in between. The first digit represents the theory part while the second digit (right side) represents the practical.
- 1.4. 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, and 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.

2. FALL/ SPRING SEMESTER

2.1. There will be two regular sessions (Fall, Spring) in an academic year. Fall/Spring session will spread over 16-18 weeks (inclusive of 1 - 2 weeks for exams). Summer session will be of 8 - 9 weeks of concentrated study for completing remedial course work.

3. SUMMER SESSION

- 3.1. Summer session will be offered as an optional session of 08-09 weeks duration. Students will be offered courses to remove deficiencies.
- 3.2. Moreover, a student who has either failed or has been stopped to take the examination due to shortage of class attendance or wishes to improve his/her grade is allowed to register in summer.
- 3.3. A student will only be allowed to register in 1-2 courses of up to 08 credit hours for remedial work.
- 3.4. The contact hours per week during the Summer session 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.

4. COURSE LOAD FOR FALL AND SPRING **SEMESTERS**

- 4.1. The required course load for a full time undergraduate is minimum 15 credit hours per semester or as per approved scheme of studies.
- 4.2. A graduate student must take at least 9 credit hours in Fall and Spring semesters to be classified as a full-time student.
- 4.3. Advance course will be enrolled only after the clearance of perquisite course.
- 4.4. Students with failed perquisite have two options; either they enroll the courses in summer session or enroll them with following session (limitation of Credit Hours will be observed).

5. ACADEMIC CALENDAR

- 5.1. The Academic Calendar includes the following information
- a. Commencement of Semester
- b. Holidays during the Semester
- c. Semester termination date
- d. Mid Semester Examination
- e. Final Semester Examination
- f. Result notification and transcript issues dates
- 5.2. In case a university is closed due to unusual circumstances, then special makeup classes will be arranged converting weekends or holidays to working days to cover the lapsed period of the students.

6. ENROLLMENT/REGISTRATION IN COURSES

- 6.1. Enrollment in Regular Semester
- a. A student must enroll himself/herself for each semester as per the notified schedule till the degree program is completed.
- b. Failing to enroll timely will 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.

- 6.2. Add and Drop of Courses
- a. The students may make any change (add/drop) in the courses they are taking within second week of the semester as per the prescribed procedure.
- b. No add and drop will be allowed after third week of semester.
- 6.3. Withdrawal of Courses
- a. Students may be allowed to withdraw from a course during 4-6 week of the semester. In such a case the transcript will record that the student enrolled in the course and withdrew. Consequently, grade 'W' will be awarded to the student which will have no impact on the calculation of the CGPA of the student.
- b. A student withdrawing after the 6th week will be automatically awarded "F" grade which will count in the GPA and stay on the transcript.
- c. A student may withdraw a maximum of two courses offered in a semester.
- d. A student who has taken a final semester examination will not be permitted to withdraw any course.

7. REPEATING COURSES/ IMPROVEMENT OF CGPA/ REPEATING SEMESTER

- 7.1. Repeating Fail Courses
- a. If a student gets '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.
- 7.2. Repeating Course for improvement of CGPA
- a. An undergraduate student may be allowed to repeat a course in which s/he has obtained grade below 'C' by Dean of Faculty on the recommendation of Head of Department.
- b. A graduate student (MS/MPhil) with 'F', 'D' or 'C' grade can repeat the course after approval by Dean of Faculty on the recommendation of Head of Department if s/he desires to improve the grade.
- c. In such a case both the course and the grade obtained will be recorded on the transcript with letter 'R'. However, only the better grade shall be used in the

calculation of CGPA.

- 7.3. Repeating Semester
- a. Student failing in a semester will have to repeat that semester as and when offered by the University. Such student will not be eligible to enroll in next semester without qualifying the failed/dropped semester.
- 7.4. Improving CGPA for Award of Degree
- a. A student, who obtains CGPA of less than 2.0 in undergraduate and less than 2.5 in Master / MS/ M Phil/ PhD degree programs respectively at the end of the last semester, may be allowed to repeat one or two courses in which he/she has obtained the lowest grades, in order to improve the CGPA so as to obtain the minimum of 2.0 and 2.5, failing which he/she will be dropped from the program.
- b. In case on CGPA improvement. It would be recorded with (Imp) on the transcript.

8. ATTENDANCE

- 8.1. Attendance in classes is mandatory
- 8.2. A student having less than 75% attendance in lectures and practicals (where applicable) separately will not be allowed to take the mid and final semester examination of the course.
- 8.3. 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/co-curricular, the days actually spent by the student in such events will be excluded from total lectures delivered. The percentage attendance will be calculated after excluding this period.

9. EXAMINATIONS

- 9.1. In each semester, students may be required to appear in quizzes, tests, mid, 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.
- 9.2. In the beginning of a semester, the Instructor of each course will hand out a 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.
- 9.3. Mid Semester Examination will be conducted after eight weeks of teaching during a semester from the syllabus prescribed for the mid examination.
- 9.4. Final Semester Examination covering the full syllabus with at least 20% of the course of mid examination as well will be held at the end of each semester.
- 9.5. Practical will 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 two part
- 9.5.1. Continuous assessment based on each practical-(conduct of = 50% practical by steps, notes, notebook). 9.5.2. Final Practical /Viva Voce= 50%
- 9.6. Project/thesis will always be assessed by a panel of examiners including one external and at least one internal examiner appointed by Rector on the recommendations of Board of Studies.
- 9.7. Project will be completed within the specified period
- as notified by the Head of Department. In case of extension, the student will have to enroll in the next semester and pay the semester fee.
- 9.8. The pass marks in each course will be 50%.
- 9.9. 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 each to qualify that course.
- 9.10. Sessional marks awarded on the basis of assignment, test, quiz, etc will be displayed/ shown to the students 14 days before the final examination.
 9.11. In case a student did not appear in the mid and final
- 9.11. In case a student did not appear in the mid and final examinations due to discontinuation of the semester, his/her SGPA/CGPA will not be calculated.

- 9.12. The Controller of Examinations shall be responsible for the conduct of examinations. The date sheets shall be finalized on the recommendations of the Heads of the Department.
- 9.13. If a student is required to participate in sports/cocurricular activities representing the University, on the dates of examination, arrangements will be made by the department for holding Special Examination for him/ her as soon as his/her sports/co-curricular activities are over.
- 9.14. 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. An incomplete grade will be awarded only in exceptional cases beyond the control of a student such as serious accidents, family tragedy, serious health ailments, etc.

10. GRADING SYSTEM

- 10.1. The grading will be done on a scale of 4.
- 10.2. The marks obtained by a candidate in each course are converted out of 100. These marks are changed into grade points and letter grades according to the following criterion.

Marks Range	Grade Point	Letter Grade
85-100	4.00	А
80-84	3.70	A-
75-79	3.30	B+
70-74	3.00	В
65-69	2.70	B-
60-64	2.30	C+
58-59	2.00	С
55-57	1.70	C-
50-54	1.00	D
Below 50	0.00	F

10.3. The Grade/Grade Point will be assigned for each course according to Grading Table above, whereas, no

letter grades shall be assigned to GPA/CGPA. GPA will be calculated up to two decimal places and CGPA will be alculated up to three decimal places.

10.4. Fraction of total marks obtained in a course will be rounded to the nearest whole, e.g. 60.5 will be considered as 61, 60.4 will be considered as 60.

11. PROMOTION CRITERIA

11.1. Promotion from First to Second Semester

1.1.1. A candidate with a minimum GPA of 0.85 in Bachelor degree and 1.0 in Master/MS/M Phil degree program in the first semester shall be promoted to the second semester.

1.1.2. A Bachelor degree candidate with GPA less than 0.85 and Master/MS/M Phil degree candidate with GPA less than 1.0 in the first semester shall be dropped from the program.

11.2. Promotion from Second to third Semester

11.2.1. A candidate with a minimum Cumulative Grade Point Average (CGPA) of 1.2 for Bachelor degree program and 1.75 for Master/MS/MPhil degree program shall be promoted to the third semester.

11.3. Promotion from Third and Following Semesters 11.3.1. A candidate with a minimum CGPA of 1.6 for Bachelor degree and 2.25 for Master/MS/M Phil degree program shall be promoted to next semester.

11.3.2. A bachelor degree candidate with CGPA 1.4 or more but less than 1.6 and Master/MS/M Phil degree with CGPA 2.0 or more but less than 2.25 will be promoted on probation from third semester and onward. The candidate should qualify 50% of the enrolled courses in that semester; the fraction will be ignored.

11.4. A student shall be allowed 2 "Probations" in an entire degree program.

11.5. In case of valid reason/excuse, the period of study may be extended for one additional year (Two semesters) in all university programs. The student(s) who will not complete studies within stated periods including extension shall be stuck off from the rolls of 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.

11.6. A student shall not be allowed to improve the grade

after the final notification of degree completion.

12. Computation of Semester Grade Point verage (GPA), Cumulative Grade Point Average (CGPA).

12.1. 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 Earned)

Total Semester Credit Hours

12.2. CGPA

Semester Grade Point Average (GPA) and Cumulative Grade Point Averages (CGPAs) 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

13. CGPA REQUIRED FOR THE COMPLETION OF UNDERGRADUATE AND GRADUATE DEGREE

13.1. A minimum number of credit hours as well as duration must be successfully completed.

13.2. Degree will be awarded to the candidate who has completed all the degree requirements by, passing all courses specified in scheme of studies by securing at least 2.0 CGPA for undergraduate and 2.5 for Master/MPhil/ MS/ PhD degree program. MS/MPhil/PhD Candidates, in addition to completing the course work shall have to present an acceptable thesis on the basis of approved program of research.

13.3. In case of migration/credit hour transfer, a student will have to earn a minimum of 50% of the credit hours out of total credit hours from the University to be eligible for the award of the degree.

13.4. Degree Completion Certificate Each Department

shall forward the degree completion form of a student subject to the fulfillment of all prescribed conditions to the controller of examinations for degree notification.

14. MIGRATION/ TRANSFER OF CREDITS

14.1. The Rector, on the recommendations of the Head of Department 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;
- (b) Migration /transfer of credits cases will initially be scrutinized by the Head of Department concerned.
- (c) Eligible candidates must satisfy the following conditions:
- 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 will 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, will be considered for transfer.
- Exempted courses along with their credit hours will 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.
- In case of outward migration the condition of accepting institution of credit hour transfer will be applicable.
- In case of inward migration a candidate will 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 less than C for undergraduate and B for

graduate.

14.2. University can enroll (if they fulfill their criterion) for any semester or for any single class and issue the students a transcript for the course completed.

15. STUDENT GRIEVANCES AGAINST COURSE INSTRUCTOR

15.1. A 05 member committee constituted of 02 senior faculty members, relevant head of the Department, Dean of Faculty and headed by Controller of Examinations to redress the grievances of the students about any course instructor or grades or for any other issue.

15.2. In respect of grade, a student must submit the grievance application if any, in writing to the Head of the Department within (07) seven working days of the receipt of the grade. The Head of Department shall forward the grievance application to the Committee. It will be mandatory for the Committee to hear both sides (student and the instructor) and give its 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 be deemed final and will be binding on all parties.

15.3. A Departmental Committee headed by the Chairman/Senior Faculty Members will be constituted to check randomly a few answer papers of the final semester examination for uniformity of scoring & covering of the course content.

16. CANCELLATION OF ENROLMENT

16.1. If a student fails to attend any lecture during the first four weeks after the commencement of the semester as per the announced schedule, his/her admission will stand cancelled without any notification.

16.2. For re-admission the student will have to pay the prescribed re-admission fee as notified by the University.

16.3. A student may be allowed re-admission twice during the entire degree program.

17. SEMESTER FREEZE

17.1. If a student freezes a semester(s), s/he will resume his/her studies from the same stage where s/he left (froze). No freezing during the semester will be allowed. The maximum duration of the degree program shall

remain the same.

17.2. 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 prerequisite of any course taken. In addition, it is understood that the university is not required to offer all courses in each semester.

17.3. In special hardship cases, a student may freeze a semester with the prior permission of the Rector. Medical certificate must be duly signed by the University Medical Officer.

17.4. The duration of Freezing is one year; a candidate who gets a semester freeze can get readmission next year with upcoming session but hardship cases can be considered by the competent authority only.

17.5. Freezing of first two semesters for BS and first semester for MS is not allowed.

17.6. Under special *hardship circumstances freezing of first semester can be considered by the approval of competent authority.

- Iddat
- Maternity/Delivery/Death in the immediate family
- Any other subject to acceptance on justified rational.

17.7. If a student freezes a second or subsequent semester (s), s/he will retake admission in the same semester whenever offered by the University subject to the condition of maximum time limit.

17.8. During the freezed semester, bonafide status of the student shall remain suspended.

18. UNFAIR MEANS CASES/ INDISCIPLINE IN EXAMINATION

18.1. Any candidate found guilty of following matters, his/her case will be submitted to Committee to deal with

Unfair Means Cases.

- (a) Removes a leaf from his/her answer book
- (b) Submits forged or fake documents in connection with the examination
- (c) Commits impersonation in the examination
- (d) Copies from any paper, book or notes
- (e) Mutilates the answer book
- (f) Possesses any kind of material, which may be helpful

to his/her in the examination

- (g) Does anything that is immoral or illegal in connection with the examination and which may be helpful to him/her in the examination
- (h) Refuses to obey the invigilation staff or refuses to follow the instructions issued by the University in connection with the examination
- (i) Misbehaves or creates any kind of disturbance in or around the examination center
- (j) Uses abusive or obscene language on the answer script.
- (k) Possesses any kind of weapon in or around examination Centre
- (I) Possesses any kind of electronic device which may be helpful in the examination
- 18.2. Penalties Committee shall recommend following penalties keeping in view the nature and intensity of offence.
- (a) Cancellation of paper
- (b) Suspension from programme for one semester
- (c) Heavy or light fine
- (d) Expulsion forever from the University
- (e) A written warning may be issued to the student concerned and a copy of the same may be displayed on the Notice Board under intimation to his/her parents/ quardians;
- (f) A student may be placed on Probation for a fixed period. If s/he fails to improve his/her conduct during probation, the case will be forwarded to the University Discipline Committee which may recommend even rustication for a semester or more.
- * Unfair Means Cases Committee will decide that the student will have to appear in summer semester/with regular semester for the cancelled paper.
- 18.3. Appeal against the decision of Unfair Means Cases Committee If a student is not satisfied by the decision of the Unfair Means Cases Committee, s/he can submit his/her appeal within a week after the decision of the Committee to the Rector. No appeal will lie against the decision of the Competent Authority

19. PERMISSION OF WRITER FOR SPECIAL STUDENTS

19.1.A visually impaired student may be allowed to attempt the Mid/Final Examinations of the University on Braille/ Computer/any other means of facilitation.

19.2. In case a student is physically handicapped/visually impaired, s/he may apply to the head of the respective department (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.

19.3. The qualification of the person who acts as writer of a handicapped student must be at least one step lower than that of the student. (e.g. for level 6 student, the writer should be at the most of level 5).

20. RECHECKING OF EXAMINATION SCRIPT

20.1. The answer book of a candidate will not be reassessed under any circumstances.

20.2. Whereas the re-checking does not mean reassessment/re-evaluation/re-marking of the answer book. The Controller of Examination can arrange for rechecking of examination script by any faculty member from the relevant discipline on the complaint/request of students. The Controller of Examination or any officer or re-checking committee appointed shall see that:

- (i) There is no computational mistake in the grand total on the title page of the answer book.
- (ii) The total of various parts of a question has been correctly made at the end of each question.
- (iii) All totals have been correctly brought forward on the

title page of the answer book.

- (iv) No portion of any answer has been left un-marked.(v) Total marks in the answer book tally with the marks
- sheet.

 (vi) The hand-writing of the candidate tally in the questions/answer book
- 20.3. The candidate or anybody on his behalf has no right to see or examine the answer books for any purpose.

20.4. The marks of a candidate could even decrease in

light of (a) (iii) above. In the event of reduction of marks the record will be corrected accordingly and revised transcript will be issued.

21. DAMAGED/ LOST ANSWER SCRIPT

21.1. 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:

21.2. Average marks will be awarded to the student in that subject/course.

21.3. In case of Final Examination, if the candidate so desires, s/he will be given another chance as a special case to take the Examination in that subject/course in the next examination and no examination fee will be charged from the student.

21.4. In case of Internal Assessment, if the candidate so desires, s/he will be given another chance as a special case to take the Make-up Assessment in that subject/course in the same academic session.

22. MATTERS RELATED TO DEGREES CONFERMENT

22.1. University should conduct Convocation once in a year to award the degrees to the qualified students as per criteria.

22.2. Urgent degree can be issued as per policy of University upon the request of student.

22.3. Duplicate Degree may be issued (with completion of all requirements) to a candidate in case the original degree is lost/damaged or in case of change in the name of candidate. The candidate has to apply to the Controller of Examinations for the issuance of duplicate degree along with the relevant documentary proof as per University rules.

23. AWARDS AND DISTINCTIONS

23.1. Medals/Prizes/Rolls of Honor/Positions will be awarded to the students passing their internal as well as external examinations/term papers in the Semester System in the first attempt.

23.2. In the Semester System, Letter Grades will be awarded on the basis of GP / GPA / CGPA and Positions would be given on the basis of CGPA.

In case two or more students are acquiring same CGPA

only then the Position would be decided on the basis of percentage among those students.

23.3. No medal and roll of honor will be granted to candidates who passed the examination in 2nd attempt. 23.4. The result of the candidate is not declared within the prescribed time of the degree, then no medal will be awarded.

23.5. No Medal/Roll of Honor will be awarded in the case of improving CGPA.

23.6. Only one medal (silver) will be awarded to the top position holder if the class size in the passing (last semester) is upto 25 but not less than 05 students of the graduating session. Gold, silver and bronze medals will be awarded if the number of students in a group exceeds 25 in semester system.

24. INCOMPLETE GRADE

24.1.The students who enrolled themselves but remained absent in mid and final semester examinations shall be declared as "Fail".

24.2. If a project is not completed in due course of time or within the extended time, the same shall be reflected with the incomplete grade 'I' in the transcript.

25. COMPREHENSIVE EXAMINATION

25.1. Every PhD student will have to pass the Comprehensive Examination.

25.2. The Department will be responsible for the conduct of Comprehensive Examination.

25.3. There will be 2 chances to pass Comprehensive Examination.

25.4. Examiners for comprehensive examination will be appointed by Rector from the panel proposed by Dean of the respective faculty forwarded by Board of Studies of the Department.

25.5. The Comprehensive Examination will comprise of two papers covering the subjects studied. The subject to be covered in each paper will be notified by the Dean. Comprehensive Examination will be assessed on qualifying or non-qualifying basis.

26. LIBRARY RULES

Library users are expected to observe the following library rules:

- 26.1. Leave their personal belongings at the reserved place.
- 26.2. Take care of their belongings as library disclaims any responsibility for any loss.
- 26.3. Gossiping, cell phone calls, sleeping, drinking, eating, smoking and chatting is strictly prohibited.
- 26.4. Submit library material(s) for inspection, if asked. 26.5. Underlining, marking, folding and tearing book pages is strictly prohibited.
- 26.6. Leave the library materials on table after consulting/reading them.
- 26.7. Library membership could be suspended or canceled along with a penalty in the following cases:
- (i) Nonpayment of library fine
- (ii) Theft of library material
- (iii) Non returning of the temporary issued materials within due time.
- (iv) Any kind of disturbance in library
- (v) Misconduct with the library staff
- (vi) Violation of established library rules and norms All library users are required to:
- 26.8. Display University Student ID card
- 26.9. Switch off cell phones in the Library.

27. HOSTEL RULES

- 27.1. Allotment for accommodation in the hostel is considered only after the Allotment Committee has scrutinized the application and satisfied itself of the merit and eligibility of the student and that his/her stay in the hostel shall in no way be prejudicial to the interest of other residents in hostel and the institution.
- 27.2. The hostel accommodation is given to students domiciled in places other than Faisalabad only.
- 27.3. Students are not allowed to reside in private hostels in Faisalabad.
- 27.4. The applications of female students for allotment of accommodation in the hostel are undertaken from parents/guardians on the prescribed form, photographs of authorized visitors and copies of National Identity Cards should be attached with application form. In case of foreign students, the recommendation and undertaking on the prescribed proforma for the

admission, guarantee for payment of hostel dues and of good behavior will be obtained from respective embassies or consulates.

27.5. The management has made arrangement for uninterrupted supply of electricity in the University and hostel. The students are allowed to use their personal electrical appliances i.e. microwave oven and refrigerator with the permission of the hostel warden. Students have to pay additional cost as decided by the management.

27.6. Leave application must be submitted to the hostel warden. Girls cannot go outside the hostel/ campus for shopping, visiting their relatives, or for recreation by themselves. They are required to submit leave proforma duly signed by the hostel warden while going home. Students, going home, should leave the hostel before sunset. Students are required to be back in the hostel before sunset. Female students are not allowed to receive any visitor except those nominated by their parents/guardians. Students must inform their intending guests about the visiting hours in the hostel.

27.7. Following visiting hours shall be strictly observed: Sunday 8:00 am to sunset.

28. DRESS CODE

28.1. Wearing white coat is compulsory for the students of Faculty of Medicine and Allied Health Sciences. Female students should avoid flashy clothes, jewelry, make up, open shoes or shoes with heels and noise.

29. IDENTITY CARDS

29.1. Students are required to display their University Identity Cards prominently while arriving and during their stay in the Campus.

30. DISCIPLINARY REQUIREMENTS

30.1. All faculty members and other staff members authorized for the purpose, to check disorderly or improper conduct or any breach of regulation by students of the University in the University premises. 30.2. Any member of the academic staff may, if he/she deems it necessary, report the case of a student who is guilty of disorderly or improper conduct in a lecture room, library or laboratory to the notice of the Head of the Department concerned and Disciplinary Committee.

30.3. Fines or other penalties may be imposed by the Disciplinary Committee, or by any other authorized person of the University for any breach of regulations, or for any act of behavior detrimental to the good order of the university.

30.4. A student of the University may be required to bear the cost of making any damage to University property for which he/ she may be responsible, which may be in addition to a fine or other penalty which he/ she may have incurred in connection therewith.

31. DISCIPLINARY SUSPENSION OR DISMISSAL

The University reserves the right to suspend or dismiss a student for violation of policies, regulations, discipline or code of conduct inimical to the best interest, or for attempting to use unfair means during classes, quizzes or examinations. Management decision in all matters is final. It is their duty to keep an eye on such activities that may result in a breach of any law.

32. STUDENTS/INTERACTION WITH FACULTY

32.1. Students are not expected to socialize with faculty and administration staff more than what is necessary for academic pursuit.

32.2. Students are forbidden to visit the faculty in their houses or in the faculty mess either individually or in groups.

32.3. Students' interaction with faculty should pertain to studies or any difficulties faced in studies. This interaction should be during the University timings.

33. FORBIDDEN ACTS

The following acts are strictly forbidden and will lead to serious disciplinary action including rustication/ expulsion from the University:

33.1. Use of unauthorized drugs and solvents.

33.2. Possession of explosive, firearms and inflammable liquids etc.

33.3. Betting, lending, or gambling.

33.4. Possession or use of fire arms, weapons, etc.

33.5. Unauthorized possession of any key of the University.

33.6. Visiting Administration block in groups.

DISCLAIMER

This prospectus provides information about the academic programs in The University of Faisalabad and should not be taken as binding on the University. Information contained in it, including educational setup, from the admission procedure or criteria to the examination, regulations or discipline is periodically reviewed by the competent authorities. The University therefore reserves the right, without notice to make changes in rules and regulations, courses and financial policy applicable to students whenever it is deemed appropriate or necessary.



Saleem Campus (For girls):

Sargodha Road, Faisalabad.

Tel: 041-8868326-30,

Mob: 0330-1980604-05

Amin Campus (Co-education):

Canal Road, Faisalabad.

Tel: 041-8750971-75,

Mob: 0330-1980690-91

UAN: 041-111-111-883

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