





SARGODHA CAMPUS

Superior University Sargodha Campus is an esteemed educational institution that has been committed to providing students with access to high-quality education and training since its establishment in July 2022. As a regional campus of Superior University Lahore, the Sargodha Campus upholds the institution's promise to extend quality higher education facilities to every corner of the country.

Under the sagacious leadership of Prof. Dr. Sumaira Rehman, the Rector of Superior University Lahore, the campus aims to enlighten the youth of Pakistan, equipping them with the skills and knowledge necessary to become responsible citizens and achieve successful careers. Driven by her vision, initiatives such as the Entrepreneurial Teaching and Training Program (ETTP) have revolutionized mindsets, shifting the focus from job-seeking to job-creating. Through the employability-intensive 3U1M Program, Superior University has witnessed a significant improvement in graduate employability, rising from 70 percent to 90 percent.

The Sargodha Campus embraces a market-oriented approach to education, providing a three-year theoretical foundation within the university and equipping students with practical market exposure during the 1M market-intensive journey of the 3U1M program with indigenous streams of Startup, Scaleup, and Design Challenge.

Moreover, the university has now introduced the "Superior Go Global" stream, enabling graduates to pursue higher education and career opportunities abroad, thereby equipping them with opportunities to contribute to an economically superior Pakistan.

The campus offers a wide range of highly valued study programs across various faculties, including Business & Management Sciences, Economics & Commerce, Computer Science & Information Technology, Sciences, Social Sciences, Art & Design, Humanities, Pharmacy, Allied Health Sciences, Agriculture & Veterinary, and Law. These programs cater to diverse academic interests and provide students with opportunities for specialization and career advancement. Superior University Sargodha Campus is a dynamic and forward-thinking educational institution that offers students a challenging and supportive environment to achieve their academic and professional goals. With dedicated faculty, staff, and state-of-the-art facilities, the campus empowers students with the knowledge and skills needed to thrive in today's rapidly changing world.



For Details



SUPERIOR UNIVERSITY
RAHIM YAR KHAN CAMPUS



RAHIM YAR KHAN CAMPUS

Superior University Rahim Yar Khan, established with the mission to provide excellent education and expand higher learning opportunities in the region, stands as a distinguished educational institution. The campus boasts a range of top-notch amenities, including a well-stocked library, a state-of-the-art computer lab, well-equipped teaching labs, centrally air-conditioned classrooms with cutting-edge audio-visual aids, an auditorium, a seminar room, sports facilities, and a prayer hall. These facilities contribute to creating an enriching environment for students.

The university offers a diverse array of undergraduate and postgraduate programs across various disciplines, ensuring that students have ample choices to pursue their academic interests. With a strong focus on practical education and industry exposure, Superior University Rahim Yar Khan Campus aims to bridge the gap between academia and the corporate world. Through its 3U1M Program, students gain hands-on experience, internships, and industry collaborations, preparing them with the practical skills and knowledge needed to excel in their chosen fields.

The faculty at Superior University Rahim Yar Khan comprises dedicated professors, experienced industry professionals, and researchers who are committed to delivering high-quality education. By fostering a nurturing environment, the university nurtures talent, encourages innovation, and prepares students to become future professionals and leaders in their respective domains.

In summary, Superior University's Rahim Yar Khan Campus is a forward-thinking educational institution that provides exceptional education and valuable industry exposure. With its state-of-the-art facilities and devoted faculty, the university is dedicated to shaping the talents of its students and empowering them to succeed in their chosen careers.



For Details





FAISALABAD CAMPUS

Superior University Faisalabad Campus, established in 2022, is another hub of quality higher education for the youth of the city. The campus offers a wide range of degree programs in Business Administration, Social Sciences, Natural Sciences, Computer Science and Information Technology, as well as Architecture and Design. With a dedicated team of academics, staff, and administration, Superior University Faisalabad Campus fosters a vibrant and challenging environment that encourages students to unlock their full potential.

The campus has been meticulously designed with purpose-built facilities, including a state-of-the-art library, auditorium, well-equipped classrooms, laboratories, a mosque, canteen, dispensary, playgrounds, and faculty offices. Separate hostel facilities for male and female students are available, ensuring a safe and secure environment.

Superior University holds the esteemed position of being ranked number one in Quality Education among private sector universities in Pakistan by the esteemed Times Higher Education (THE) Impact Rankings 2023, along with securing an overall ranking among the world's top

401-600 universities. This phenomenal recognition of the quality of education being ensured by Superior University is ample proof of the fact that the leadership of Superior University is rightly dedicated to uplifting educational standards and developing the youth into capable professionals of tomorrow.

To enhance the future employability of students, we have incorporated the innovative 3U1M program. Through this program, students actively contribute to the economic growth of Pakistan by becoming job creators. The Social Entrepreneurship Program (SEP) provides students with an opportunity to cultivate their confidence as future business developers and successful entrepreneurs.

In essence, Superior University Faisalabad has opened new avenues for students, faculty, industry, and society to collaborate under one umbrella. The university is dedicated to transforming the lives of its students, faculty, staff, and alumni by providing an excellent learning and research environment that ensures success in their personal and professional endeavors.



For Details

SUMMARY OF PROGRAMS

Faculty of Business and Management Sciences

- Ph.D Business Administration
- MS Business Analytics
- MS Islamic Banking and Finance
- MS Construction and Engineering Management
- MS Project Management
- M.Phil Human Resource Management
- M.Phil Business Administration
- M.Phil Environment, Health and Safety Management
- M.Phil Industrial Management
- M.Phil Quality Management
- MBA (1.5 Years)
- MBA (2 Years)
- BS Digital Marketing
- BS Aviation Management
- BS Business Intelligence
- BS Hospitality and Tourism Management
- BS Culinary Arts Management
- Bachelor of Business Administration
- ADP Business Administration

Faculty of Computer Science and Information Technology

- Ph.D Computer Science
- Ph.D Data Science
- MS Computer Science
- MS Software Engineering
- MS Software Project Management
- MS Information Technology
- MS Information Security
- MS Data Science (Non-Computing)
- MS Data Science
- MS Artificial Intelligence (Non-Computing)
- MS Artificial Intelligence
- BS Computer Science
- BS Software Engineering
- BS Artificial Intelligence
- BS Data Science
- BS Electronics and Computing
- BS Information Technology
- BS Robotics

- BS Gaming and Animation
- BS Cybersecurity
- BS Internet of Things (IoT)
- BS Applied Computing
- ADP Computer Science
- ADP Web Design and Development
- ADP Cyber Security

Faculty of Social Sciences

- Ph.D Communication Studies
- MS Clinical Psychology
- M.Phil Mass Communication Management
- BS Clinical Psychology
- BS Digital Media and Broadcast Journalism
- BS Mass Communication
- BS International Relations
- BS Criminology

Faculty of Art and Design

- MS Art and Design
- BS Fashion Design
- BS Graphic Design
- BS Interior Design
- BS Fine Arts
- BS Textile Design
- Bachelor of Architecture

Faculty of Arts and Humanities

- Ph.D Islamic Studies
- Ph.D Education
- M.Phil Education
- M.Phil Library and Information Management
- M.Phil Education, Leadership, and Management
- MS Urdu
- MS English Language and Literature (Linguistics)
- MS Islamic Studies
- BS English Language and Literature
- BS Education

Faculty of Engineering and Technology

- Ph.D in Electrical Engineering

- MS Electrical Engineering
- MS Mechanical Engineering
- MS Civil Engineering
- MS Electrical Engineering Technology
- BSc Mechanical Engineering Technology
- BSc Civil Engineering Technology
- BSc Electrical Engineering Technology
- BSc Civil Engineering
- BSc Electrical Engineering
- BSc Mechanical Engineering
- BSc Aviation Engineering Technology
- BS Aircraft Maintenance and Management
- BS Avionics Engineering
- BSc Biomedical Engineering Technology
- BSc Information Engineering Technology

Faculty of Economics and Commerce

- Ph.D Economics
- Ph.D Commerce
- MS Accounting and Finance
- M.Phil Commerce and Finance
- M.Phil Economics
- BS Fintech
- BS Economics with Data Science
- BS Commerce
- BS E-Commerce
- BS Accounting and Finance
- BS Islamic Banking and Finance
- ADP Accounting and Finance

Faculty of Medical Sciences

- MBBS
- BDS

Faculty of Pharmacy

- Ph.D Pharmacology
- M.Phil Pharmaceutics
- M.Phil Pharmacology
- M.Phil Eastern Medicine
- Doctor of Pharmacy
- Bachelor of Eastern Medicine and Surgery

Faculty of Sciences

- Ph.D Biotechnology
- Ph.D Biochemistry
- MS Biotechnology
- MS Zoology
- MS Biochemistry
- MS Microbiology
- MS Botany
- M.Phil Mathematics
- M.Phil Chemistry
- M.Phil Physics
- M.Phil Statistics
- BS Microbiology
- BS Biotechnology
- BS Biochemistry
- BS Zoology
- BS Forensic Science
- BS Nanoscience and Technology
- BS Environmental Science
- BS Chemistry
- BS Mathematics
- BS Physics

Faculty of Allied Health Sciences

- Ph.D Allied Health Sciences (Medical Laboratory Technology)
- Ph.D Allied Health Sciences (Nutrition and Dietetics)
- Ph.D Food Sciences
- Ph.D Allied Health Sciences (Medical Imaging Technology and Diagnostic Ultrasound)
- Ph.D in Rehabilitation Sciences
- MS Nursing
- MS Public Health
- MS Rehabilitation Sciences
- MS Allied Health Sciences
- MS Medical Laboratory Science
- BS Medical Imaging Technology
- BS Medical Laboratory Sciences
- BS Anesthesia Technology
- BS Dental Hygiene

- BS Operation Theatre Technology
- BS Radiation Therapy Technology
- BS Neuroscience and Technology
- BS Optometry
- BS Public Health
- BS Sports Sciences and Physical Education
- BS Audiology
- BS Occupational Therapy
- BS Human Nutrition and Dietetics
- BS Emergency and Intensive Care
- BS Food Science and Technology
- BS Cardiac Perfusion
- BS Renal and Dialysis Technology
- BS Dental Technology
- BS Aesthetics and Cosmetology
- BS Food Safety and Quality Management
- BS in Nursing
- Doctor of Physical Therapy
- Bachelor in Nursing (Post RN)
- BS in Diagnostic Ultrasound Technology

Faculty of Law

- LL.M
- LL.B

Faculty of Agriculture

- BS Agriculture



FACULTY OF BUSINESS AND MANAGEMENT SCIENCES



Dean's Message

Welcome to the first entrepreneurial Faculty of Business and Management Sciences in Pakistan. Our cutting-edge programs, advanced curriculum, innovative pedagogies, and dynamic entrepreneurial ecosystem form the foundation of our ambition to create economic and social impact, driving national progress. Through our incubation center, Innovation District 92, along with initiatives like Scale Up PK and the Design Challenge, we are bringing the vision of an economically Superior Pakistan to life. Our efforts have resulted in an impressive overall employability rate of 90%, with select departments within FBMS proudly achieving 100% employability.

Joining the Faculty of Business and Management Sciences will be a transformational experience. It will expand your ideas, broaden your perspective, and refine your professional identity. From your first semester onward, you will embark on a journey of success—unlocking countless opportunities to launch new ventures, scale existing enterprises, and deliver innovative solutions to today's organizational challenges. Our research programs and initiatives are designed to equip you with knowledge-based solutions for the government, corporate, and development sectors. Our vibrant campus life, enriched by clubs and societies, will help you unleash your true potential and build invaluable networks. We promise a world full of life, learning, and success. Together, let's shape the future of business and entrepreneurship.

Dr. Sami Ullah Bajwa

Faculty of Business & Management Sciences



- **Ph.D Business Administration**
- **MS Business Analytics**
- **MS Islamic Banking and Finance**
- **MS Construction and Engineering Management**
- **MS Project Management**
- **M.Phil Human Resource Management**
- **M.Phil Business Administration**
- **M.Phil Environment, Health and Safety Management**
- **M.Phil Industrial Management**
- **M.Phil Quality Management**
- **BS Digital Marketing**
- **BS Aviation Management**
- **BS Business Intelligence**
- **BS Hospitality and Tourism Management**
- **BS Culinary Arts Management**
- **Bachelor of Business Administration**
- **MBA (1.5 Years)**
- **MBA (2 Years)**

Prof. Dr. Ch. Abdul Rehman
 Prof. Dr. Sumaira Rehman
 Prof. Dr. Nauman Majeed
 Prof. Dr. Kamran Mosa
 Prof. Dr. Muhammad Azam Roomi
 Prof. Dr. Azmat Iqbal
 Prof. Dr. Kashif Hussain
 Prof. Dr. Nadia Nasir
 Prof. Dr. Muhammad Iqbal
 Dr. Sami Ullah Bajwa
 Dr. Hummaira Qudsia Yousaf
 Dr. Khalid Iqbal Khichi
 Dr. Samia Jamshaid
 Dr. Waheed Asghar
 Dr. Aysha Zahid
 Dr. Sobia Nasir
 Dr. Muhammad Rafiq
 Dr. Adeel Mumtaz
 Dr. Maria Saleem
 Dr. Mudassar Mushtaq
 Dr. Arshad Mehmood
 Dr. Muhammad Maqsood Khalid
 Dr. Nabeel ur Rehman
 Dr. Muddassar Sarfraz
 Dr. Uzma Kashif
 Dr. Rana Humayun Ihsan
 Dr. Usman Sadiq
 Dr. Summer Aslam
 Dr. Muhammad Haris
 Dr. Javied Anwer
 Dr. Muhammad Zia Aslam
 Dr. Ali Sajjad
 Dr. Muhammad Sajjad Hussain
 Dr. Hira Irshad
 Mr. Muhammad Mukarram
 Mr. Imran Ejaz
 Mr. Ahmad Bilal
 Mr. Muhammad Waseem
 Mr. Irtaza Aitzaz
 Mr. Muhammad Inam
 Mr. Ali Raza
 Ms. Nadia Hamid

Mr. Muhammad Aamir Ilyas
 Mr. Muhammad Farooq
 Mr. Afsheen Hassan
 Mr. Saad Salman
 Ms. Saadia Ayub
 Mr. Adeel Younis
 Mr. Ali Raza
 Mr. Attique Tippu
 Mr. Naeem Shahzad
 Mr. Muhammad Azhar
 Mr. Abdul Qayyum
 Mr. Ali Salman Zafar
 M. Naeem Shahzad
 Mr. Ibrahim Arif
 Mr. Waqas Ahmad Khan
 Mr. Khalid Afzal Ayyaz
 Mr. Muhammad Yousaf Mirza
 Mr. Muhammad Naeem Shahzad
 Mr. Muhammad Anjum Naeem
 Mr. Rana Umer Farooq
 Mr. Muhammad Shahbaz Tahir
 Mr. Muhammad Talah Khan
 Mr. Feroz Mehmood Baig
 Mr. Faisal Munir
 Mr. Muhammad Talah Khan
 Mr. Imtiaz Hussain
 Mr. Imtiaz-ur-Rehman
 Mr. Irfan Rashid Farooqui
 Mr. Sajid Asghar Rana
 Mr. Murtaza Quddusi
 Mr. Abdul Qayyum Aslam
 Ms. Anum Arooj
 Mr. Bilal Hassan
 Mr. Bilal Shaheen
 Mr. Muhammad Akbar
 Mr. Muhammad Toqeer Amjad Khan
 Mr. Zarmeen Arshad Niazi
 Mr. Faryal Farrukh
 Mr. Wajahat Yaqoob
 Mr. Sohail Anwar
 Mr. Saif ur Rehman Mujahid
 Mr. Sufyan Ahmed

Mr. Abdul Wahid
 Mr. Syed Ali Murtaza Bukhari
 Mr. Umair Tufail
 Ms. Ayesha Yasin
 Ms. Maria Ali
 Mr. Faheem Shaheen
 Mr. Muhammad Shahid
 Mr. Mohsin Raza
 Mr. Saleem Bodla
 Mr. Ijaz Haider
 Mr. Muhammad Zubair Nawaz
 Ms. Saba Mumtaz Khan
 Ms. Saba Sabir
 Ms. Nabila Tanvir
 Mr. Ch Shahbaz Haneef
 Ms. Mahrukh Rana
 Ms. Mahmooda Mahmood
 Mr. Atif Sharif
 Mr. Saad Ur Rehman
 Mr. Kashif Bukhari
 Mr. Hafiz Gohar Mehmood
 Ms. Zaib Zafar
 Ms. Umami Farwa
 Mr. Muhammad Waseem
 Ms. Nasreen Akhtar
 Ms. Uzma Batool
 Mr. Zohaib Hassan
 Ms. Saba Kanwal
 Ms. Hamna Farooq

Ph.D

in Business Administration

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

- 18 years of education with a minimum CGPA of 3.0 out of 4.0 or equivalent
- Quality GAT subjects [NTS] with 60% or GAT subject [University] with 70%.

Semester 1

Public Policy Analysis	3
Advanced Research Methods	3
Elective I - Elective Placeholder-I	3
Fehm-e-Quran - I	1

Semester 2

Advanced Quantitative Data Analysis and Interpretation	3
Researching and Writing Ph.D Dissertation	3
Elective II - Elective Placeholder-II	3
Fehm-e-Quran - II	1

Semester 3, 4, 5 & 6

Comprehensive Stage	0
Dissertation / Research Project	30
Proposal Defence Stage	0
Paper Publication Stage	0
Thesis Final Defence Stage	0

Electives

Doing Qualitative Research	3
Emerging issues in Business and Economics	3
Philosophy of Social Sciences	3
Business and Management Theory	3
Advance Academic Writing	3

M.Phil

Business Administration

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- BBA / B.com [hons] / MBA/MPA / M.Com / ICMA / CA / 16 years of Education or Equivalent.
- Quality GAT General [NTS] with 50% or GAT Subject [University] with 60%

Semester 1

Business Research Methods	3
Strategic Management	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Fehm-e-Quran - I	1

Semester 2

Corporate Governance	3
Quantitative Techniques in Research	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Fehm-e-Quran - II	1

Semester 3 & 4

Elective XXVII - Elective Placeholder-XXVII 6

Electives

Human Resource Development	3
Global Marketing	3
Project Management	3
Islamic Financial Regulatory Framework and Governance	3
Advanced Research Methods	3
Content Management and Knowledge Management	3
Behavioural Finance	3
Leadership and Organizational Behaviour	3
Business Theory & Practice	3
Legal and Ethical Issues in Business	3
Analytics	
Seminar in Research	3

M.Phil

Quality Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of business schooling / Education i.e, MBA, BBA(Hons), MPA, M.Com, B.Com(Hons), B.SC. Engr. B-Tech [Hons] or equivalent [16 year] from HEC recognized institution.
- GAT - General with a minimum 50% Cumulative Score/ Institute test.

Semester 1

Fehm-e-Quran - I	1
Total Quality Management	3
Quantitative Techniques	3
Strategic Human Resource Management	3
Quality Management System & Standards	3

Semester 2

Statistical Process Control	3
Research Methodology	3
Six Sigma	3
Metrology & Lab Testing	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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M.Phil

Industrial Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of business schooling / Education i.e, MBA, BBA(Hons), MPA, M.Com, B.Com(Hons), B.SC. Engr. B-Tech [Hons] or equivalent [16 year] from HEC recognized institution.
- GAT - General with a minimum 50% Cumulative Score/ Institute test.

Semester 1

Fehm-e-Quran - I	1
Total Quality Management	3
Quantitative Techniques	3
Supply Chain Management	3
Project Management	3

Semester 2

Statistical Process Control	3
Research Methodology	3
Six Sigma	3
Operations Management	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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M.Phil

Human Resource Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of business schooling / Education i.e, MBA, BBA[Hons], MPA, M.Com, B.Com[Hons], B.SC. Engr. B-Tech [Hons] or equivalent [16 year] from HEC recognized institution.
- GAT - General with a minimum 50% Cumulative Score/ Institute test.

Semester 1

Fehm-e-Quran - II	1
Total Quality Mangement	3
Quantitative Techniques	3
Strategic Human Resource Management	3
Industrial Relations & Labor Laws	3

Semester 2

Compensation & Performance Management	3
Leadership & Organizational Behaviour	3
Recruitment, Selection, Training and Development	3
Reseach Methodology	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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M.Phil

Environment, Health & Safety Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of business schooling / Education i.e, MBA, BBA[Hons], MPA, M.Com, B.Com[Hons], B.SC. Engr. B-Tech [Hons] or equivalent [16 year] from HEC recognized institution.
- GAT - General with a minimum 50% Cumulative Score/ Institute test.

Semester 1

Fehm-e-Quran - I	1
Total Quality Management	3
Strategic Human Resource Management	3
Quantitative Techniques	3
Risk Assessment & Management	3

Semester 2

Effluent , Emission Control & Solid Waste Management	3
Principles & Practices of Safety Management	3
EHS Laws & Regulations	3
Research Methodology	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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MS

Project Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of qualification in Business Administration, Computer Science, IT, Economics, Commerce, Accountancy, Engineering, Medical, Nature/Social/ Management Sciences, Public Administration, Policy, Development Studies or equivalent qualification in relevant field.
- Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

Semester 1

Project Planning, Scheduling and Control	3
Research Methodology	3
Leadership and Operational Development	3
Project Cost Management	3
Fehm-e-Quran - I	1

Semester 2

Project Procurement and Contract Management	3
Project Risk Management	3
Project Monitoring and Evaluation	3
Total Quality Management	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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List Of Elective

Quantitative Techniques	3
Occupational Health & Safety Management	3
Human Resource Management	3
Supply Chain Management	3
Project Communication and Stakeholder Management	3
Software Application in Project Management	3

MS

Construction & Engineering Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- B.Sc/B.E Civil Engineering/Bachelor of Architecture/ B.Sc Transportation Engineering /BS Civil Engineering Technology/ B.Tech Hons (Civil) / or equivalent qualification in relevant field
- Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

Semester 1

Research Methodology	3
Leadership and Operational Development	3
Construction Planning, Scheduling and Controlling	3
Construction Cost Estimation and Control	3
Fehm-e-Quran - I	1

Semester 2

Engineering Laws, Contracts & Administration	3
Advance Construction Materials	3
Construction Safety Management	3
Risk Analysis and Management	1
Fehm-e-Quran - II	

Semester 3

Thesis	6
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List Of Elective

Total Quality Management	3
Statistics inferences	3
Human Resource Planning & Management	3
Supply Chain Management	3
Software Application in Construction	3
Economic Decision Analysis in Construction	3

MS

Islamic Banking & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of education in relevant field with minimum CGPA of 2.5. Moreover candidate must qualify GAT General (NTS) with 50% or GAT General (University) 60%

Semester 1

Business Research Methods	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Advanced Islamic Banking and Finance	3
Fehm-e-Quran - I	1

Semester 2

Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Islamic Financial Regulatory and Framework	3
Advanced Research Methods	3
Fehm-e-Quran - II	1

Semester 3rd & 4th

Thesis	6
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List Of Electives

Islamic Capital Markets	3
Risk Management in Islamic Financial Institution	3
Islamic Insurance (Takaful)	3
Takaful and Retakaful	3
Global Finance	3
Corporate Governance	3

MS

Business Analytics

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- 16 years of education in relevant field with minimum CGPA of 2.5. Moreover candidate must qualify GAT General (NTS) with 50% or GAT General (University) 60%

Semester 1

Business Research Methods	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Machine Learning and Business Analytics	3
Fehm-e-Quran - I	1

Semester 2

Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Tools and Techniques for Business Analytics	3
Data Mining and Business Analytics	3
Fehm-e-Quran - II	1

Semester 3rd & 4th

Thesis	6
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List Of Electives

Content Management and Knowledge Management	3
Legal and Ethical Issues in Business Analytics	3
Predictive Analytics	3
Big Data Analysis	3
Computational Business Analysis	3

Master

in Business Administration
(For Business Graduates)

Course Duration	1.5 Years
Semesters	3
Total Credit Hours	32

Eligibility

16-year of education in business studies

Semester 1

Management for the 21st Century	3
Communication for Teams and Leaders	3
Marketing Management and Analytics	3
Pakistan Economy: Structure, Challenges and Prospects	3
Fehm-e-Quran - I	1

Semester 2

Business Policy & Strategy	3
Strategic Marketing Framework	3
Managerial Accounting	3
Business and Market Research	3
Fehm-e-Quran - II	1

Semester 3

Project	6
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Master

in Business Administration
(For Non-Business Graduates)

Course Duration	2 Years
Semesters	4
Total Credit Hours	62

Eligibility

16-years of education other than business studies

Semester 1

Management for the 21st Century	3
Communication for Teams and Leaders	3
Pakistan Economy: Structure, Challenges and Prospects	3
Marketing Management and Analytics	3
Financial Accounting	3
Fehm-e-Quran - I	1

Semester 2

Business Policy & Strategy	3
Strategic Marketing Framework	3
Managerial Accounting	3
Business and Market Research	3
HR Practices	3
Fehm-e-Quran - II	1

Semester 3

Data Driven Decision Making	3
Global-Political Economy	3
Islamic Finance	3
Human Resource Analytics	3
Strategic Brand Management	3

Semester 4

Organizational Behaviour	3
Investment Analysis & Portfolio Management	3

Semester 5

Supply Chain Framework	3
Production and Operation Management	3
Global Marketing	3

Bachelor

of Business Administration (BBA)

Course Duration	4 Years
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or equivalent

Semester 1

Introduction to Business	3
Functional English	3
Introduction to Computing	3
Business Mathematics	3
Islamic Studies	2
Fehm-e-Quran - I	1
Micro Economics	3

Semester 2

Marketing Management	3
Principles of Management	3
Financial Accounting	3
Macro Economics	3
Fehm-e-Quran - II	1
Expository Writing	3

Semester 3

Environmental Sciences	3
Leading People and Organizations	3
Management Accounting	3
Smart Technologies in 21st Century	3
Psychology	3
Film and Documentary Making	2

Semester 4

Business Statistics	3
Digital Marketing	3
Human Resource Management	3
Financial Management	3
Economics of Pakistan	2
Ideology and Constitution of Pakistan	2

Semester 5

Business Research Methods	3
Social Entrepreneurship Program	3
Brand Management	3
Islamic Finance	3
Corporate & Business Law	3

Semester 6

Sociology	3
Entrepreneurship	3
Supply Chain Management	3
Strategic Management	3
Operational Excellence	3

Semester 7

Project Management	3
Elective II - Elective Placeholder-II	3
Elective I - Elective Placeholder-I	3
Final Year Project - I	3
Business and Professional Ethics	3

Semester 8

Business Policy and Strategy	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Final Year Project - II	3

BS

Aviation Management

Course Duration	4
Semesters	8
Total Credit Hours	126

Eligibility

Intermediate or equivalent.

Semester 1

Fehm-e-Quran - I	1
Islamic Studies	2
Principles of Management	3
Business Mathematics	3
Functional English	3
Aircraft Systems and Principles	3
Introduction to Aviation	3

Semester 2

Fehm-e-Quran - II	1
Expository Writing	3
Introduction to Computer	3
Ideology and Constitution of Pakistan	2
Aviation Marketing	3
Aviation Weather	3
Psychology	3

Semester 3

ENVIRONMENTAL SCIENCES AND SUSTAINABILITY	3
Visual Communication Design	3
Fiscal Aspects in Aviation	3
Human Resource Management	3
Business Statistics	3
Introduction to Aircraft Operations	3

Semester 4

Aviation Safety Risk Management	3
Business and Corporate in Aviation Management	3
Aviation English	3
Business Research Methods	3
Financial Management	3

Semester 5

Flight Simulation and Flight Navigation	3
Aviation and Airport Security Management	3
Social Entrepreneurship Program	3
Airport Planning & Management	3
Crew Resource and Human Factor	3

Semester 6

Airspace and Traffic Management	3
Entrepreneurship	3
Aviation Law	3
Aviation Total Quality Management	3
Airport Operations Management	3
Aviation Project Management	3

Semester 7

Final Year Project - II	3
Ground Handling	3
Airline Ticketing Management	3
Airline Management	3

Semester 8

Final Year Project - II	3
Travel and Tours Operations	3
Air Cargo Management	3
Airline Network and Fleet Management	3



BS

Hospitality and Tourism Management

Course Duration	4
Semesters	8
Total Credit Hours	122

Eligibility

Intermediate or equivalent

Semester 1

Islamic Studies	2
Introduction to Computer	3
Tourism Concepts and Principles	3
English for Academic purposes	3
Introduction to Hospitality	3
Geography	3
Fehm-e-Quran - II	1

Semester 2

Principles of Management	3
Pakistan Studies	2
Principles Of Marketing	3
Financial Accounting	3
Psychology	2
Creative Writing	3
Fehm-e-Quran - II	1

Semester 3

Business Statistics	3
Sustainable Tourism	3
Business Math	3
Hospitality Operations	3
Social Entrepreneurship Program	3

Semester 4

Event Management	3
Human Resource Management	3
Travel and Tours Operations	3
Social Entrepreneurship Program	3
Business Research Methods	3

Semester 5

Front Office Operations and Management	3
Destination Branding	3
Cultural Tourism	3
Sociology	3
Sacred & Religious Tourism	3

Semester 6

Tourism and Hospitality Laws	3
Restaurant Management	3
Airport Planning and Management	3
Tourism Planning and Development	3
Emerging Trends In Hospitality Industry	3

Semester 7

Tourist Destination	3
Heritage Management	3
Sports And Adventure Tourism	3
Final Year Project - I	3
Tourism Management	3

Semester 8

Final Year Project - II	3
Tourism And Peace	3
Public Relations	3
Project Management	3

BS

Business Intelligence

Course Duration	4
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or equivalent

Semester 1

Introduction to Business	3
English For Life	3
Introduction to Computing	3
Mathematics (Business and Linear)	3
Islamic Studies	2
Statistics (Probability and Statistics)	3
Fehm-e-Quran - I	1

Semester 2

Marketing Management	3
Principles of Management	3
Creative & Persuasive Writing	3
Computer Programming	3
Business Intelligence Fundamentals	3
Psychology	2
Fehm-e-Quran - II	1

Semester 3

Financial Accounting	3
Economy of Pakistan	3
Data Structure and Algorithm	3
Introduction to Data Sciences	3
Cloud computing	3

Semester 4

Pakistan Studies	2
Digital Marketing	3
Human Resource Management	3
Financial Management	3
Film/Video Making and Editing	2
BI and data Visualization with SQL	3

Semester 5

Social Entrepreneurship Program	3
Graphic Designing	3
Freelancing Management	3
Machine Learning for Business Analysis	3
Automation for Business Excellence	3

Semester 6

Language (French, Arabic, Chinese)	3
Social Entrepreneurship Program	3
Virtual Assistance	3
Supply Chain Operations	3
Environmental Studies	3

Semester 7

Data Mining	3
Final Year Project - I	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Project Management	3

Semester 8

Marketing Analytics	3
Final Year Project - II	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3

BS

Culinary Arts Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

Eligibility

Intermediate or Equivalent

Semester 1

Islamic Studies	2
English Academics Purpose	3
Introduction to Food Science	3
Introduction to Culinary Tourism	3
Introduction to Business and Culinary Entrepreneurship	3
Fundamentals of Culinary Arts	3
Fehm-e-Quran - I	1

Semester 2

Pakistan Studies	2
Culinary Maths	3
Culinary Communication Skills	3
Fundamentals of Human Nutrition	3
Biochemistry	3
Modern Culinary Techniques	3
Fehm-e-Quran - II	1

Semester 3

Human Resource Management	3
Micro Nutrients in Human Nutrition	3
Chef Psychology	3
Meat Identification, Fabrication	3
Fish and Crustaceans	3
Introduction to Computer	3

Semester 4

Pastry arts	3
Marketing- Introduction to Service Marketing	3
Digital Social Chef - Sociology	3
Culinary Statistics	3
Food Analysis and Microbiology	3

Semester 5

Food Safety & Food Styling	3
Beverages and Mixology	3
Food and Beverage Cost Control	3
Financial Management	3
Garde Manger	3
Culinary Research Methods	3

Semester 6

Menu Development and Profitability	3
Digital Marketing	3
Ethnic and International Cuisine	3
Entrepreneurship	3
World of baking	3

Semester 7

Corporate Entrepreneurship	3
Kitchen Management and Leadership	3
Final Year Project-I / PCCP exam	3
Culinary Medicine	3
French Language Skills	3

Semester 8

French Advance Language Skills	3
Banquet Catering and Event Management	3
Final Year Project-II / PCCP exam	3
Project Management	3
Specialization in Patisserie and Culinary Arts	3

BS

Digital Marketing

Course Duration	4 Years
Semesters	8
Total Credit Hours	126

Eligibility

Intermediate or Equivalent

Semester 1

Introduction to Business	3
English For Life	3
Introduction to Computing	3
Principles of Marketing	3
Business Mathematics	3
Islamic Studies	2
Fehm-e-Quran - I	1

Semester 2

Marketing Management	3
Principles of Management	3
Expository Writing	3
Micro and Macro Economics	3
Digital Advertising	3
Fehm-e-Quran - II	1

Semester 3

Film Making	2
Marketing and Business Analytics	3
Smart Technologies and tools	3
Data Analysis and Modelling	3
Psychology	3
Environmental Science	3

Semester 4

Ideology and Constitution of Pakistan	2
Web Development	3
Economy of Pakistan	2
Global Marketing	3
Consumer Behavior	3
Business Statistics	3

Semester 5

Sociology	3
Digital Law	3
Islamic Finance	3
Social Entrepreneurship Program	3
Social Media Marketing	3

Semester 6

Brand Management	3
SEO 1 & 2	3
Graphic Design for Digital Marketing	3
Entrepreneurship	3
Artificial Intelligence in Business	3

Semester 7

Performance Marketing	3
FYP-I/ Field Experience	3
Operational Excellence	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3

Semester 8

Business Policy & Strategy	3
FYP-II/ Capstone Project	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Digital Sales Management	3
Marketing Analytics	3
Social Media Analytics	3
Digital Venture Creation	3
Neuro-marketing	3
Retail Management	3
Business Analytics and Strategy	3
Advanced Digital Advertising Techniques	3
Customer Relationship Management	3

BS

Healthcare Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or Equivalent

Semester 1

Principles of Health Care	3
English For Academics Purposes / Functional English	3
Principles of Management	3
Business Mathematics / Quantitative Reasoning	3
Islamic Studies	2
Fehm-e-Quran I	1
Health Care Ethics & Values	3

Semester 2

Expository Writing	3
Business Satatistics / Quantitative Reasoning	2
Human Resource Management	3
Introduction to Computer	3
Financial Accounting	3
Ideology and Constitution of Pakistan	2
Fehm-e-Quran II	1

Semester 3

Healthcare Promotion & Marketing Strategies	3
Humanities in Healthcare Management/ Creative Arts	2
Healthcare Risk Management	3
Healthcare Management Information System	3
Patient Safety Management	3
Advance Communication Skills	3

Semester 4

Economics	3
Strategies of Health Communication and Wellness	3
Organizational Behavior in Healthcare	3
Disaster Managemnt	3
Health Care Policy and Systems of Pakistan	3

Semester 5

Healthcare Research Methods	3
Project management	3
Hospital Administration	3
Active Citizenship	3
Health Care Decision Making and Decision Support Systems	3

Semester 6

Environmental Science	3
Strategies of Health Communication & Wellness	3
International Health care policy and laws	3
Entrepreneurship	3
Healthcare Strategic Leadership	3

Semester 7

FYP-I	3
Contemporary issues in Health care Management	3
Healthcare Operations Management	3
Pharmacology-Medical Therapeutics and Drug Management	3
Healthcare Supply Chain Management	3

Semester 8

FYP-II	3
Healthcare Epidemiology	3
Hospital Infection Control & Biomedical Waste Management	3
Quality Management in Healthcare	3

Associate Degree

Business Administration

Course Duration	2 Years
Semesters	4
Total Credit Hours	69

Eligibility

Intermediate or Equivalent

Semester 1

Functional English	3
Business Mathematics	3
Islamic Studies	2
Business Economics	3
Business Studies	3
Fehm-e-Quran - I	1
Applications of Information and Communication Technologies (Lab)	1
Applications of Information and Communication Technologies (Theory)	2

Semester 2

Business Statistics	3
Principles of Management	3
Expository Writing	3
Pakistan Studies	2
Fundamentals of Accounting	3
Marketing Management	3
Fehm-e-Quran - II	1

Semester 3

Ideology and Constitution of Pakistan	2
Environmental Science	3
Social Entrepreneurship Program	3
Smarts technologies and tools in the 21st Century	3
Cost Accounting	3
Digital Marketing	3

Semester 4

Social Entrepreneurship Program	3
Human Resource Management	3
Foreign Language	2
Consumer Behaviour	3
Principles of Auditing	3
Econometrics	2





FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY



Dean's Message

The Faculty of Computer Science and Information Technology welcomes you to a world driven by big data, artificial intelligence, data science, cybersecurity, and the Internet of Things. Here, we are committed to transforming you into an innovative tech leader, equipped to shape the future through cutting-edge advancements in information technology.

Life at CS & IT revolves around laptops, gadgets, groundbreaking ideas, and constant innovation. Alongside a future-focused curriculum, we provide immersive, hands-on experience through our integrated business units, such as Superior Connections and Infit Labs. These platforms enable you to master essential industry skills long before stepping into the professional world.

Our thriving research culture empowers you to create new knowledge and acquire the expertise to commercialize your ideas and innovations.

Over the years, we have nurtured individuals passionate about technology and driven to create new opportunities. Now, it's your turn to join this dynamic community and make your mark on the world.

Prof. Dr. Arfan Jaffar



- Ph.D Computer Science
- Ph.D Data Science
- MS Computer Science
- MS Software Engineering
- MS Software Project Management
- MS Information Technology
- MS Information Security
- MS Data Science (Non-Computing)
- MS Data Science
- MS Artificial Intelligence (Non-Computing)
- MS Artificial Intelligence
- BS Computer Science
- BS Software Engineering
- BS Artificial Intelligence
- BS Data Science
- BS Electronics and Computing
- BS Information Technology
- BS Robotics
- BS Gaming and Animation
- BS Cybersecurity
- BS Internet of Things (IoT)
- BS Applied Computing

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Prof. Dr. Irfan Ud Din	Mr. Muhammad Talha Amjad	Mr. Syed Ferhan	Mr. Haider Bukhari
Prof. Dr. Sohail Masood Bhatti	Ms. Fizza Fatima	Mr. Ali Abid	Ms. Uswa Aslam
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Dr. Tehreem Masood	Mr. Muhammad Waheed u Zaman	Ms. Arooj Fatima	
Dr. Danish Irfan	Mr. Muhammad Ameer Hamza	Mr. Waqas	
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Dr. Bilal Mehboob	Ms. Hayyah Mehmood	Ms. Irum Fatima	
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Ms. Naila Hamid	Ms. Aimen Fatima	Mr. Osama Imran	
Ms. Sabah Arif	Ms. Amna Anjum	Mr. Muzammil Dilawar	
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Mr. Nadeem Jabbar Ch.	Mr. Abdul Rauf	Mr. Muhammad Qasim Shah	
Mr. Naseer Ahmad	Mr. M. Adnan Samad	Ms. Shawwal Rasheed	
Mr. Ifraseab Afzal	Mr. Muhammad Zubair Fazail	Mr. Muhammad Umer Farooq	
Mr. Rohail Shahzad	Mr. Hafiz Sajid Ali Kazmi	Ms. Maham Yaqoob	
Mr. Muhammad Ahmed	Mr. Noor Ullah Khan	Ms. Amna Safeer	
Ms. Tayyaba Farhat	Mr. Nadeem Sarfraz	Mr. Faisal Shahzad	
Mr. Shahbaz Ahmad	Mr. Muhammad Owais	Mr. Muhammad Riaz Shahid	
Mr. Hamid Sanan	Mr. Muhammad Jawad Farooq	Mr. Muhammad Sohaib Ramzan	
Mr. Muhammad Sohail Irshad	Mr. Saad Shahzad	Mr. Sohaib Hafeez	
Mr. Munib Ahmad	Ms. Noreen khalid	Mr. Mujahid Rafiq	
Mr. Saleem Mustafa		Mr. Iftikhar Hussain Babar	
Mr. Muhammad Nasir Nawaz		Mr. Tahir Iqbal	
Mr. Muhammad Jameel		Mr. Ahsan Raza Shah	
Ms. Humaira Muqadas		Mr. Shahid Mehmood	
Mr. Muhammad Rizwan		Mr. Hafiz Abdul Wahab Javid	



Ph.D

Computer Science

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

Prospective candidates must hold a relevant degree from a recognized university, earned after 18 years of education, with a minimum of 75% marks or a CGPA of at least 3.0 (on a scale of 4.0). Additionally, candidates must qualify the GAT Subject Test (NTS) with a minimum of 60% or the GAT Subject (University) with at least 70%.

Semester 1

Advance Research Method	3
PhD Elective-I	3
PhD Elective-II	3
Understanding of Holy Quran-I	1

Semester 2

PhD Elective-III	3
PhD Elective-IV	3
PhD Elective-V	3
Understanding of Holy Quran-II	1

Semester 3,4,5 & 6

Dissertation	30
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Electives:

Advanced Information System Development
 Advanced Information System Management
 Advanced Topics in Information Systems Audit
 Advanced Topics in ERP Systems
 Advanced Topics in Business Process Management
 Advanced Topics in Knowledge Management
 Advanced Data Science
 Advanced Machine Learning
 Advanced Deep Learning
 Advanced Natural Language Processing
 Advanced Computer Vision
 Advanced Image Processing
 Advanced Pattern Recognition
 Advanced Algorithms and Complexity
 Computational Geometry
 Quantum Computing Fundamentals
 Advanced Computer Networks
 Advanced Network Security
 Wireless and Mobile Computing
 Advanced Cryptography
 Blockchain Technology and Applications
 Internet of Things (IoT) Systems
 Cloud Computing and Virtualization
 High Performance Computing
 Advanced Human-Computer Interaction
 Cognitive Systems and User Experience
 Advanced Robotics and Autonomous Systems
 Control Systems for Intelligent Robots
 Advanced Computer Graphics
 Game Theory and Game Development
 Bioinformatics and Computational Biology
 Semantic Web Technologies
 Advanced Topics in Multimedia Systems
 Distributed Systems and Grid Computing
 Advanced Operating Systems
 Advanced Database Systems
 Data Warehousing and Data Mining
 Advanced Software Engineering
 Software Process Improvement
 Software Architecture and Design Patterns
 Advanced Software Quality Assurance
 Computational Intelligence
 Fuzzy Logic Systems
 Genetic Algorithms and Evolutionary Computing
 Advanced Topics in Cyber Security
 Information Retrieval Systems
 Digital Forensics and Incident Response
 Augmented Reality and Virtual Reality
 Ubiquitous and Pervasive Computing
 Knowledge-Based Systems

Ph.D

Data Science

Course Duration	3 Year
Semesters	6
Total Credit Hours	50

Eligibility

- Candidates must have 18 years of education with a minimum 3.0 CGPA in a science/engineering/mathematics discipline, preferably with a 2-year MS degree in ISE/CS/IT/EE/CE/DS or equivalent from an HEC recognized university or degree awarding institute
- Candidates should have relevant master's degrees or coursework/research experience in data science, including disciplines like mathematics, statistics, computer science, and engineering. Two years of relevant work experience is recommended. Minimum 80% marks in previous degree in the annual system or a CGPA of 3.00 out of 4.0 in the semester system, with no more than one second division throughout the academic career and no third division.
- Candidates must pass the HEC (HAT)/GAT NTS (General)/Superior Graduate Admission Test with at least 70%– Admission interview by Superior Post Graduate Admission Committee is required.

Semester 1

Advance Research Method	3
PhD Elective-I	3
PhD Elective-II	3
Understanding of Holy Quran-I	1

Semester 2

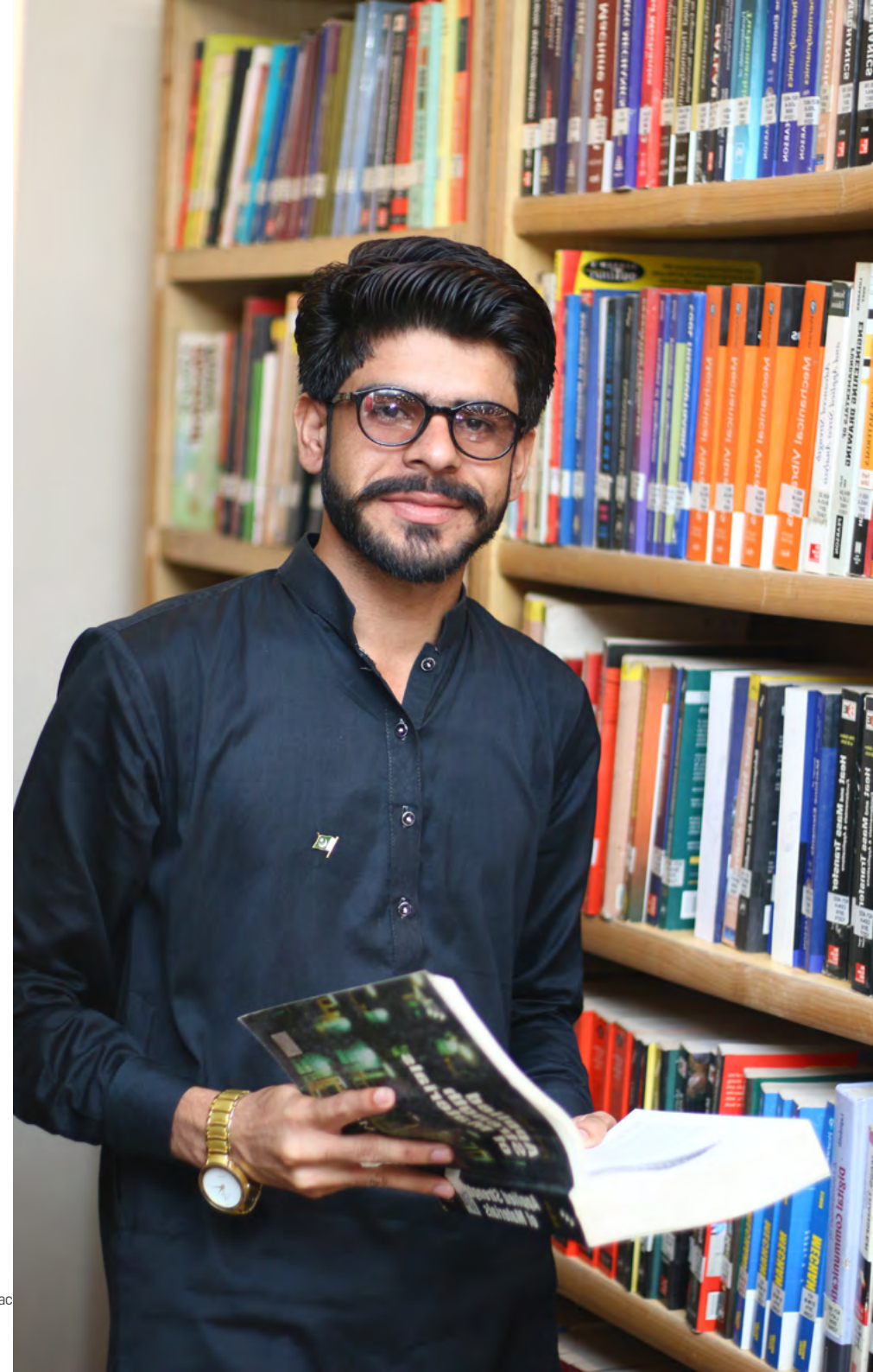
PhD Elective-III	3
PhD Elective-IV	3
PhD Elective-V	3
Understanding of Holy Quran-II	1

Semester 3,4,5 & 6

Dissertation	30
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Electives:

- Advanced Machine Learning
- Deep Learning Techniques
- Reinforcement Learning
- Advanced Data Mining
- Big Data Analytics
- Natural Language Processing
- Computer Vision for Data Science
- Statistical Learning Theory
- Advanced Predictive Modelling
- Bayesian Data Analysis
- Time Series Analysis and Forecasting
- Advanced Data Visualization
- Graph Analytics and Network Science
- Cloud Computing for Data Science
- Distributed Computing and Hadoop Ecosystem
- Data Ethics and Privacy
- Data Security and Governance
- Text Mining and Sentiment Analysis
- Optimization Techniques in Data Science
- Bioinformatics Data Analysis
- Social Media Analytics
- Internet of Things (IoT) Data Analytics
- Edge and Fog Computing Analytics
- Advanced Topics in Recommender Systems
- Human-Centered Data Science
- Data Warehousing and OLAP
- Advanced Database Systems
- Knowledge Discovery and Representation
- Quantum Computing for Data Science
- Simulation and Modelling
- Information Retrieval Systems
- Advanced Topics in Artificial Intelligence
- Autonomous Systems Data Processing
- Multimodal Data Analytics
- Healthcare Data Analytics
- Financial Data Science
- Energy Data Analytics
- Geospatial Data Analysis
- Advanced Topics in Blockchain Analytics
- Ethics, Policy, and Law in Data Science
- Advanced Computational Statistics
- Cognitive Computing
- Anomaly Detection Techniques
- Data Streams and Real-Time Analytics
- Scientific Data Management
- Advanced Topics in Knowledge Graphs
- Data Driven Decision Making
- Mathematical Foundations for Data Science
- Advanced Optimization for Machine Learning
- Advanced Topics in Data Science Applications



MS

Computer Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Advanced Analysis of Algorithms	3
Advanced Operating Systems	3
Research Method	3
CS Elective-I	3
Understanding of Holy Quran-I	1

Semester 2

Theory of Computation	3
Advanced Computer Architecture	3
CS Elective-II	3
CS Elective-III	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Principles of Programming Languages
 Advance Database Systems
 Data Mining & Data Warehousing
 Database Administration & Management
 Distributed Database Systems
 Data Science
 Business Process Management
 Business Intelligence and Analytics
 Knowledge Management
 Advanced Distributed Computing
 Agent Based Computing
 High Performance Computing
 Real Time Systems
 Data Security & Cryptography
 Advanced Web Application Development
 Mobile Application Development
 Advanced Mobile Application Development
 Game Programming
 Advanced Computer Graphics
 3D Modelling & Animation
 Advanced Digital Image Processing
 Digital Signal Processing
 Advanced Computer Vision
 Natural Language Processing
 Computational Intelligence
 Introduction to Soft Computing
 Complex Networks
 Advanced Requirements Engineering
 Advanced Software System Architecture
 Software Testing and Quality Assurance
 Software Project Management
 Software Configuration & Change Management
 Advanced Software Engineering
 Formal Methods in Software Engineering
 Network Security
 Cloud Computing
 System Integration and Architecture
 Advance Computer Networks
 Special Topic

MS

Information Technology

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

- Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Advanced Database Management Systems	3
Information Technology Infrastructure	3
Research Methodology	3
IT Elective-I	3
Understanding of Holy Quran-I	1

Semester 2

Information Security and Assurance	3
IT Elective-II	3
IT Elective-III	3
IT Elective-IV	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Advanced Web Architecture and Technologies	Principles of Programming Languages
Multimedia Systems and Design	Advance Database Systems
Advanced Network & System Administration	Data Mining & Data warehousing
Network Security	Advanced Database Administration & Management
Next Generation Networks	Distributed Database Systems
IT Service Management	Enterprise Resource Planning System
Cloud Computing	Data Science
System Integration and Architecture	Business Process Management
Technology Management	Business Intelligence and Analytics
IT Infrastructure Development	Knowledge Management
Telecommunication Systems	Distributed Computing
Information Systems Engineering	Agent Based Computing
Advance Computer Networks	High Performance Computing
Cellular Systems	Computing
Telecom Management	Real Time Systems
Wireless Networks	Data Security & Cryptography
Mobile Communication	Computer Graphics
Integrated Services Over Packet Networks	Advanced Computer Vision
Routing & Switching	Natural Language Processing
Network Design and Management	Computational Intelligence
Information System Development	Intelligence
Information System Management	Introduction to Soft Computing
Information Systems Audit	Complex Networks
Information Systems Audit & Management	Advanced Requirements Engineering
Secure Software Development	Advanced Software System Architecture
	Software Testing and Quality Assurance
	Software Project Management
	Software Configuration & Change Management
	Advanced Software Engineering
	Formal Methods in Software Engineering
	Network Security
	Cloud Computing
	System Integration and Architecture
	Advance Computer Networks
	Special Topic

MS

Software Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Software Quality Assurance and Testing	3
Research Methodology	3
SE Elective-I	3
SE Elective-II	3
Understanding of Holy Quran-I	1

Semester 2

Advanced Software System Architecture	3
Advanced Requirements Engineering	3
SE Elective-III	3
SE Elective-IV	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Object Oriented Analysis & Design
 Human Computer Interaction
 Software Construction & Development
 Software Project Management
 Software Engineering Economics
 Software Construction
 Aspect Oriented Design & Development
 Formal Methods in Software Engineering
 Software Risk Management
 Software Configuration & Change Management
 Software Product Line Engineering
 Automated Software Engineering
 Software Product Line Engineering
 Software Measurement and Metrics
 Software Costing and Estimation
 Global Software Engineering
 Software Dependability
 Semantic based Software Development
 Model Driven Software Development
 Principles of Programming Languages
 Advance Database Systems
 Data Mining & Data warehousing
 Database Administration & Management
 Distributed Database Systems
 Data Science
 Business Process Management
 Business Intelligence and Analytics
 Knowledge Management
 Advanced Distributed Computing
 Data Security & Cryptography
 Advanced Web Application Development
 Mobile Application Development
 Advanced Mobile Application Development
 Game Programming
 Advanced Computer Graphics

MS

Information Security

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Advanced Analysis of Algorithms	3
Data Security & Cryptography	3
Research Method	3
IS Elective-I	3
Understanding of Holy Quran-I	1

Semester 2

Information Security and Assurance	3
IS Elective-II	3
IS Elective-III	3
IS Elective-IV	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Cryptanalysis	Cryptography
Information Privacy and Security	Reverse Engineering and Malware Analysis
Advanced Cryptography	Secure Software Development
Analysis of Stochastic Systems	Security Audit & Assessment
Cloud Computing Security	Socio-technical Systems Enabled
Cognitive Security	Crime
Computer Forensics Infrastructure	Software Security Testing and Code Assessment
Protection & Incident Management	Steganography & Watermarking
Cryptography and Security Protocol	Vulnerability Exploitation and Defence
Cyber Intelligence Cybercrime Investigation	Wireless Network Security
Data Communication Networks & Security	Advanced Web Architecture and Technologies
Digital Forensics and Incident Response	Cloud Computing System Integration and Architecture
Information Risk Management	Technology Management
Information Security Management	IT Infrastructure Development
Information Security Project Management	Information Systems Engineering
Intrusion Detection System	Advance Computer Networks
IT Security Evaluation & Auditing	Mobile & Wireless Communication
Legal Issues in Information Security	Integrated Services
Mobile Security	Over Packet Networks
Multimedia Security and Information Hiding	Information Systems Audit
Secure Software Development	Principles of Programming Languages
Network Forensics	Advanced Distributed Computing
Network Security OS & File System Forensics	Special Topic
Incident Response and Disaster Recovery	
Quantum	

MS

Data Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Machine Learning	3
Research Methodology	3
DS Elective-I	3
DS Elective-II	3
Understanding of Holy Quran-I	1

Semester 2

Statistical and Mathematical Method	3
Tools and Techniques in Data Science	3
DS Elective-III	3
DS Elective-IV	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Artificial Intelligence	Audit
Big Data Analytics	Secure Software Development
Data Science	Development
Information Security	Principles of Programming
Data Security & Cryptography	Languages
Machine Learning	Advance Database Systems
Robotics	Data Mining & Data warehousing
Deep Learning	Advanced Database Administration & Management
Advanced Computer Vision	Computing
Distributed Computing	Distributed Database Systems
Data Visualization	Enterprise Resource Planning System
Cloud Computing	Data Science
Algorithmic trading	Business Process Management
Bayesian Data Analysis	Business Intelligence and Analytics Knowledge
Bioinformatics	Management
Computational Genomics	Distributed Computing
Deep Reinforcement Learning	Agent Based Computing
Distributed Data Processing	Natural Language Processing
Inference & Representation	High Performance Computing
Natural Language Processing	Computing
Processing	Real Time Systems
Optimization Methods for Data Science and Machine Learning	Data Security & Cryptography
Probabilistic Graphical Models	Computer Graphics
Scientific Computing in Finance	Advanced Computer Vision
Social network analysis	Natural Language Processing
Time series Analysis and Prediction	Computational Intelligence
Advanced Web Architecture and Technologies	Introduction to Soft Computing
Information System Development	Complex Networks
Information System Management	Object Oriented Analysis & Design
Information Systems	IT Requirement Engineering
	Special Topic

MS

Data Science (Non-Computing)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fundamentals of Data Science	NC
Programming for Data Science	NC
Mathematics for Data Science	NC
Machine Learning	3
Research Methodology	3
Understanding of Holy Quran-I	1

Semester 2

Statistical and Mathematical Method	3
Tools and Techniques in Data Science	3
DS Elective-I	3
DS Elective-II	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Course Work/Project/Thesis-I	3
DS Elective-III	3
Course work/Project/Thesis-II	3
DS Elective-IV	3

Electives:

Artificial Intelligence	Audit
Big Data Analytics	Secure Software Development
Data Science	Development
Information Security	Principles of Programming
Data Security & Cryptography	Languages
Machine Learning	Advance Database Systems
Robotics	Data Mining & Data warehousing
Deep Learning	Advanced Database Administration & Management
Advanced Computer Vision	Computing
Distributed Computing	Distributed Database Systems
Data Visualization	Enterprise Resource Planning System
Cloud Computing	Data Science
Algorithmic trading	Business Process Management
Bayesian Data Analysis	Business Intelligence and Analytics Knowledge
Bioinformatics	Management
Computational Genomics	Distributed Computing
Deep Reinforcement Learning	Agent Based Computing
Distributed Data Processing	Natural Language Processing
Inference & Representation	High Performance Computing
Natural Language Processing	Computing
Processing	Real Time Systems
Optimization Methods for Data Science and Machine Learning	Data Security & Cryptography
Probabilistic Graphical Models	Computer Graphics
Scientific Computing in Finance	Advanced Computer Vision
Social network analysis	Natural Language Processing
Time series Analysis and Prediction	Computational Intelligence
Advanced Web Architecture and Technologies	Introduction to Soft Computing
Information System Development	Complex Networks
Information System Management	Object Oriented Analysis & Design
Information Systems	IT Requirement Engineering
	Special Topic

MS

Artificial Intelligence

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Advance Data Mining	3
Mathematics for Artificial Intelligence	3
Machine Learning	3
Research Method	3
Understanding of Holy Quran-I	1

Semester 2

Statistical and Mathematical Method	3
Tools and Techniques in Data Science	3
Deep Learning	3
Advance Artificial Intelligence	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

Big Data Analytics	Secure Software Development
Data Science	Principles of Programming Languages
Information Security	Advance Database Systems
Data Security & Cryptography	Data Mining & Data warehousing
Machine Learning	Advanced Database Administration & Management
Robotics	Distributed Database Systems
Deep Learning	Enterprise Resource Planning System
Advanced Computer Vision	Data Science
Distributed Computing	Business Process Management
Data Visualization	Business Intelligence and Analytics
Cloud Computing	Knowledge Management
Algorithmic trading	Distributed Computing
Bayesian Data Analysis	Agent Based Computing
Bioinformatics	High Performance Computing
Computational Genomics	Real Time Systems
Deep Reinforcement Learning	Data Security & Cryptography
Distributed Data Processing	Computer Graphics
Inference & Representation	Advanced Computer Vision
Natural Language Processing	Natural Language Processing
Optimization Methods for Data Science and Machine Learning	Computational Intelligence
Probabilistic Graphical Models	Introduction to Soft Computing
Scientific Computing in Finance	Complex Networks
Social network analysis	Object Oriented Analysis & Design
Time series Analysis and Prediction	IT Requirement Engineering
Advanced Web Architecture and Technologies	Special Topic
Information System Development	
Information System Management	
Information Systems Audit	

MS

Artificial Intelligence (Non-Computing)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fundamentals of Artificial Intelligence	NC
Programming for Artificial Intelligence	NC
Mathematics for Artificial Intelligence	NC
Research Method	3
Machine Learning	3
Understanding of Holy Quran-I	1

Semester 2

Mathematics for Artificial Intelligence	3
Deep Learning	3
Advance Artificial Intelligence	3
Tools & Techniques in Data Science	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Course Work/Project/Thesis-I	3
DS Elective-III	3

Semester 3rd & 4th

Course work/Project/Thesis-II	3
DS Elective-IV	3

Electives:

Big Data Analytics	Secure Software Development
Data Science	Principles of Programming Languages
Information Security	Advance Database Systems
Data Security & Cryptography	Data Mining & Data warehousing
Machine Learning	Advanced Database Administration & Management
Robotics	Distributed Database Systems
Deep Learning	Enterprise Resource Planning System
Advanced Computer Vision	Data Science
Distributed Computing	Business Process Management
Data Visualization	Business Intelligence and Analytics
Cloud Computing	Knowledge Management
Algorithmic trading	Distributed Computing
Bayesian Data Analysis	Agent Based Computing
Bioinformatics	High Performance Computing
Computational Genomics	Real Time Systems
Deep Reinforcement Learning	Data Security & Cryptography
Distributed Data Processing	Computer Graphics
Inference & Representation	Advanced Computer Vision
Natural Language Processing	Natural Language Processing
Optimization Methods for Data Science and Machine Learning	Computational Intelligence
Probabilistic Graphical Models	Introduction to Soft Computing
Scientific Computing in Finance	Complex Networks
Social network analysis	Object Oriented Analysis & Design
Time series Analysis and Prediction	IT Requirement Engineering
Advanced Web Architecture and Technologies	Special Topic
Information System Development	
Information System Management	
Information Systems Audit	

MS

in Software Project Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Candidates must hold a 16-year degree in a relevant field with a minimum CGPA of 2.0 (on a scale of 4.0) in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Advance Software Project Management	3
Advance Software Quality Assurance	3
Advance Software Process Management & Metrics	3
Research Methodology	3
Understanding of Holy Quran-I	1

Semester 2

Advance Management & Organizational Behaviour	3
Advanced Requirement Engineering	3
SP Elective-I	3
SP Elective-II	3
Understanding of Holy Quran-II	1

Semester 3rd & 4th

Thesis/Two Courses	6
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Electives:

- Advance software System Architecture
- Agile Software Development
- Component Based Software Engineering
- Empirical Software Engineering
- Reliability Engineering
- Research Methodology
- Software Configuration Management
- Software Process Management & Metrics
- Software Project Management
- Software Testing and Quality Assurance
- Software Risk Management
- Cloud Computing
- Algorithmic trading
- Special Topic
- Adv. Database Management System



BS

Computer Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Ideology and Constitution of Pakistan	2
Islamic studies	2
Understanding of Holy Quran-I	1
Pre-Calculus	0

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Understanding of Holy Quran-II	1
Pre-Algebra	0

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Multivariable Calculus	3
Digital Marketing	3
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
Linear Algebra	3
Technical & Business Writing	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Software Engineering	3
Introduction to Management	2
Database Systems (Theory)	3
Database Systems (Lab)	1

Semester 5

Analysis of Algorithms	3
Advanced Programming (Theory)	2
Advanced Programming (Lab)	1
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Computer Architecture	3
Civics and Community Engagement	3

Semester 6

Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
Theory of Automata	3
Technopreneurship	3
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Information Security (Theory)	2
Information Security (Lab)	1
Advance Database Management Systems (Theory)	2
Advance Database Management Systems (Lab)	1

Semester 7

HCI & Computer Graphics (Theory)	2
HCI & Computer Graphics (Lab)	1
Final Year Project (part-I)	2
CS Elective-V	3
CS Elective-IV	3
Compiler Construction	3
CS Elective-VI	3

Semester 8

Professional Practices	2
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Final Year Project (part-II)	4
CS Elective-VII	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Information Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Islamic studies	2
Ideology and Constitution of Pakistan	2
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Pre-Calculus	3
Understanding of Holy Quran-1	1

Semester 2

Probability & Statistics	3
Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Pre-Algebra	3
Understanding of Holy Quran-2	1

Semester 3

Software Engineering	3
Multivariable Calculus	3
Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Digital Marketing	3
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
Civics and Community Engagement	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Linear Algebra	3
Information Security (Theory)	2
Information Security (Lab)	1
Database Systems (Theory)	3
Database Systems (Lab)	1

Semester 5

Analysis of Algorithms	3
Technical & Business Writing	3
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Computer Architecture (Theory)	2
Computer Architecture (Lab)	1
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
	2
	1

Semester 6

Theory of Automata (Theory)	2
Theory of Automata (Lab)	1
Technopreneurship	3
System & Network Administration (Theory)	2
System & Network Administration (Lab)	1
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Database Administration & Management (Theory)	2
Database Administration & Management (Lab)	1
Cyber Security (Theory)	2
Cyber Security (Lab)	1

Semester 7

Introduction to Management	2
Virtual Systems & Services (Theory)	2
Virtual Systems & Services (Lab)	1
Network Security (Theory)	2
Network Security (Lab)	1
Information Technology Infrastructure (Theory)	2
Information Technology Infrastructure (Lab)	1
HCI & Computer Graphics (Theory)	2
HCI & Computer Graphics (Lab)	1
Final Year Project (part-I)	2

Semester 8

Professional Practices	2
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Final Year Project (part-II)	4
Cloud Computing (Theory)	2
Cloud Computing (Lab)	1

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Software Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	140

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Functional English	3
Islamic studies	2
Ideology and Constitution of Pakistan	2
Discrete Structures	3
Understanding of Holy Quran I	1
Pre-Calculus	3

Semester 2

Calculus & Analytical Geometry	3
Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Digital Logic Design (Theory)	2
Digital Logic Design (Lab)	1
Expository Writing	3
Probability & Statistics	3
Understanding of Holy Quran II	1
Pre-Algebra	3

Semester 3

Multivariable Calculus	3
Introduction to Management	2
Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Software Requirement Engineering (Theory)	2
Software Requirement Engineering (Lab)	1
Social Science	3
Software Engineering	3

Semester 4

Computer Networks (Theory)	2
Computer Networks (Lab)	1
Data Structures (Theory)	3
Data Structures (Lab)	1
Database Systems (Theory)	3
Database Systems (Lab)	1
Linear Algebra	3
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1

Semester 5

Operating Systems (Theory)	2
Operating Systems (Lab)	1
SE Elective-I	3
Analysis of Algorithms	3
Technical & Business Writing	3
Software Design & Architecture	3
Technopreneurship	3

Semester 6

SE Elective-III	3
Software Quality Engineering (Theory)	2
Software Quality Engineering (Lab)	1
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
SE Elective-IV	3
SE Elective II	3
Social Entrepreneurship Program	3

Semester 7

Final Year Project (part-I)	3
Information Security (Theory)	2
Information Security (Lab)	1
SE Elective-V	3
Software Construction & Development (Theory)	2
Software Construction & Development (Lab)	1
Software Project Management	3

Semester 8

Final Year Project (part-II)	3
SE Elective-VI	3
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Professional Practices	2
SE Elective-VII	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.



BS

Data Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	140

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Islamic studies	2
Ideology and Constitution of Pakistan	2
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Functional English	3
Discrete Structures	3
Understanding of Holy Quran I	1
Pre-Calculus	3

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Calculus & Analytical Geometry	3
Digital Logic Design (Theory)	2
Digital Logic Design (Lab)	1
Expository Writing	3
Probability & Statistics	3
Understanding of Holy Quran II	1
Pre-Algebra	3

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Multivariable Calculus	3
Software Engineering	3
Introduction to Management	2
Social Science	3
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1

Semester 4

Data Structures (Theory)	3
Data Structures (Lab)	1
Database Systems (Theory)	3
Database Systems (Lab)	1
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Linear Algebra	3
Introduction to Data Science (Theory)	2
Introduction to Data Science (Lab)	1

Semester 5

Operating Systems (Theory)	2
Operating Systems (Lab)	1
DS Elective-I	3
Technopreneurship	3
Analysis of Algorithms	3
Advanced Statistics (Theory)	2
Advanced Statistics (Lab)	1
Technical & Business Writing	3

Semester 6

Information Security (Theory)	2
Information Security (Lab)	1
Data Mining (Theory)	2
Data Mining (Lab)	1
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
DS Elective II	3
DS Elective-III	3
Social Entrepreneurship Program	3

Semester 7

Final Year Project (part-I)	3
DS Elective-IV	3
DS Elective-V	3
Data Visualization (Theory)	2
Data Visualization (Lab)	1
Data Warehousing & Business Intelligence (Theory)	2
Data Warehousing & Business Intelligence (Lab)	1

Semester 8

Final Year Project (part-II)	3
DS Elective-VI	3
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Professional Practices	2
DS Elective-VII	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Artificial Intelligence

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Application of Information & Communication Technology (Theory)	2
Applications of Information & Communication Technology (Lab)	1
Islamic studies	2
Ideology and Constitution of Pakistan	2
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Functional English	3
Discrete Structures	3
Understanding of Holy Quran I	1
Pre-Calculus	3

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Calculus & Analytical Geometry	3
Digital Logic Design (Theory)	2
Digital Logic Design (Lab)	1
Expository Writing	3
Probability & Statistics	3
Understanding of Holy Quran II	1
Pre-Algebra	3

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Multivariable Calculus	3
Software Engineering	3
Social Science	3
Introduction to Management	2
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1

Semester 4

Database Systems (Theory)	3
Database Systems (Lab)	1
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Data Structures (Theory)	3
Data Structures (Lab)	1
Linear Algebra	3
Programming for Artificial Intelligence (Theory)	2
Programming for Artificial Intelligence (Lab)	1

Semester 5

Operating Systems (Theory)	2
Operating Systems (Lab)	1
AI Elective-I	3
Technopreneurship	3
Analysis of Algorithms	3
Computer Vision (Theory)	2
Computer Vision (Lab)	1
Technical & Business Writing	3

Semester 6

Information Security (Theory)	2
Information Security (Lab)	1
Machine Learning (Theory)	2
Machine Learning (Lab)	1
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
AI Elective II	3
AI Elective-III	3
Social Entrepreneurship Program	3

Semester 7

Final Year Project (part-I)	3
AI Elective-IV	3
AI Elective-V	3
Artificial Neural Networks & Deep Learning (Theory)	2
Artificial Neural Networks & Deep Learning (Lab)	1
Knowledge Representation & Reasoning (Theory)	2
Knowledge Representation & Reasoning (Lab)	1

Semester 8

Final Year Project (part-II)	3
AI Elective-VI	3
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Professional Practices	2
AI Elective-VII	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Cyber Security

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Islamic studies	2
Ideology and Constitution of Pakistan	2
Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Pre-Calculus	3
Understanding of Holy Quran-1	1

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Pre-Algebra	3
Understanding of Holy Quran-2	1

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Software Engineering	3
Multivariable Calculus	3
Digital Marketing	3
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
Civics and Community Engagement	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Linear Algebra	3
Information Security (Theory)	2
Information Security (Lab)	1
Database Systems (Theory)	3
Database Systems (Lab)	1

Semester 5

Analysis of Algorithms	3
Technical & Business Writing	3
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Computer Architecture (Theory)	2
Computer Architecture (Lab)	1
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1

Semester 6

Wireless and Mobile Security (Theory)	2
Wireless and Mobile Security (Lab)	1
Technopreneurship	3
Secure Software Design and Development (Theory)	2
Secure Software Design and Development (Lab)	1
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Information Assurance (Theory)	2
Information Assurance (Lab)	1
Cyber Security (Theory)	2
Cyber Security (Lab)	1

Semester 7

Introduction to Management	2
Penetration Testing (Theory)	2
Penetration Testing (Lab)	1
Network Security (Theory)	2
Network Security (Lab)	1
Hardware Security (Theory)	2
Hardware Security (Lab)	1
Final Year Project (part-I)	2
Digital Forensics (Theory)	2
Digital Forensics (Lab)	1

Semester 8

Professional Practices	2
Parallel & Distributed Computing (Theory)	2
Parallel & Distributed Computing (Lab)	1
Malware Analysis (Theory)	2
Malware Analysis (Lab)	1
Final Year Project (part-II)	4

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Gaming & Animation

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of ICT (Theory)	2
Application of ICT (Lab)	1
Ideology and Constitution of Pakistan	2
Islamic Studies	2
Understanding of Holy Quran-1	1
Pre-Calculus	0

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Understanding of Holy Quran-2	1
Pre-Algebra	0

Semester 3

Object-Oriented Programming (Theory)	3
Object-Oriented Programming (Lab)	1
Introduction to Game Design & Development	3
Digital Marketing	3
Multivariable Calculus	3
Technical & Business Writing	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Software Engineering	3
Database Systems (Theory)	3
Database Systems (Lab)	1
Digital Marketing	3

Semester 5

Game Programming & Physics	3
Mobile App Development (Theory)	2
Mobile App Development (Lab)	1
2D/3D Animation & Motion Graphics	3
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Game Engine Architecture (Theory)	2
Game Engine Architecture (Lab)	1
Civics and Community Engagement	3

Semester 6

Advanced Game Development (Unity/ Unreal)	3
Artificial Intelligence in Games	3
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Technopreneurship	3
Interactive Storytelling and Narrative Design (Theory)	2
Interactive Storytelling and Narrative Design (Lab)	1
Cinematics and Visual Effects	3

Semester 7

Game Art & Character Design	3
Augmented & Virtual Reality Development	3
Final Year Project (Part-I)	2
Interactive Media & UX	3
Multimedia Systems	3
Procedural Animation and Rigging	3

Semester 8

Professional Practices	2
Final Year Project (Part-II)	3
Game Monetization & Deployment	3
Portfolio Development & Freelancing Skills	2
Advanced Topics in Gaming & Animation	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Internet of Things

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Intermediate or Equivalent

Semester 1

Ideology and Constitution of Pakistan	2
Islamic studies	2
Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Pre-Calculus	3
Understanding of Holy Quran-1	1

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Pre-Algebra	3
Understanding of Holy Quran-2	1

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Software Engineering	3
Multivariable Calculus	3
Digital Marketing	3
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
Civics and Community Engagement	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Linear Algebra	3
Information Security (Theory)	2
Information Security (Lab)	1
Database Systems (Theory)	3
Database Systems (Lab)	1

Semester 5

Analysis of Algorithms	3
Technical & Business Writing	3
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Introduction to Internet of Things	3
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1

Semester 6

Technopreneurship	3
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Microcontrollers for IoT Devices (Theory)	2
Microcontrollers for IoT Devices (Lab)	1
IoT Analytics and data visualization with Cloud Services (Theory)	2
IoT Analytics and data visualization with Cloud Services (Lab)	1
Introduction to Circuits & Electronic Hardware (Theory)	2
Introduction to Circuits & Electronic Hardware (Lab)	1
Computer Architecture (Theory)	2
Computer Architecture (Lab)	1

Semester 7

Introduction to Management	2
Wireless Communication Networks	3
Network Protocols for IoT (Theory)	2
Network Protocols for IoT (Lab)	1
IoT Applied Machine Learning (Theory)	2
IoT Applied Machine Learning (Lab)	1
Introduction to Security of Internet of Things and Cyber-Physical Systems (Theory)	2
Introduction to Security of Internet of Things and Cyber-Physical Systems (Lab)	1
Final Year Project (part-I)	2

Semester 8

Real Time Embedded Systems (Theory)	2
Real Time Embedded Systems (Lab)	1
Professional Practices	2
Final Year Project (part-II)	4
Communication Theory	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Robotics

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

Intermediate or Equivalent

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Ideology and Constitution of Pakistan	2
Understanding of Holy Quran-1	1
Pre-Calculus	0
Islamic studies	2

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Understanding of Holy Quran-11	1
Calculus & Analytical Geometry	3
Pre-Algebra	3

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Multivariable Calculus	3
Digital Marketing	3
Computer Organization & Assembly Language (Theory)	2
Computer Organization & Assembly Language (Lab)	1
Linear Algebra	3
Technical & Business Writing	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Robotics Design - I	3
Robotics Design - I (Lab)	1
Software Engineering	3
Introduction to Management	2
Introduction to Robotics	3

Semester 5

Analysis of Algorithms	3
Advanced Programming (Theory)	2
Advanced Programming (Lab)	1
Robotics Design - II (Theory)	2
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Computer Aided Design	3
Civics and Community Engagement	3

Semester 6

Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
Technopreneurship	3
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Information Security (Theory)	2
Digital Signal Processing	3
Information Security (Lab)	1
Embedded Systems	3

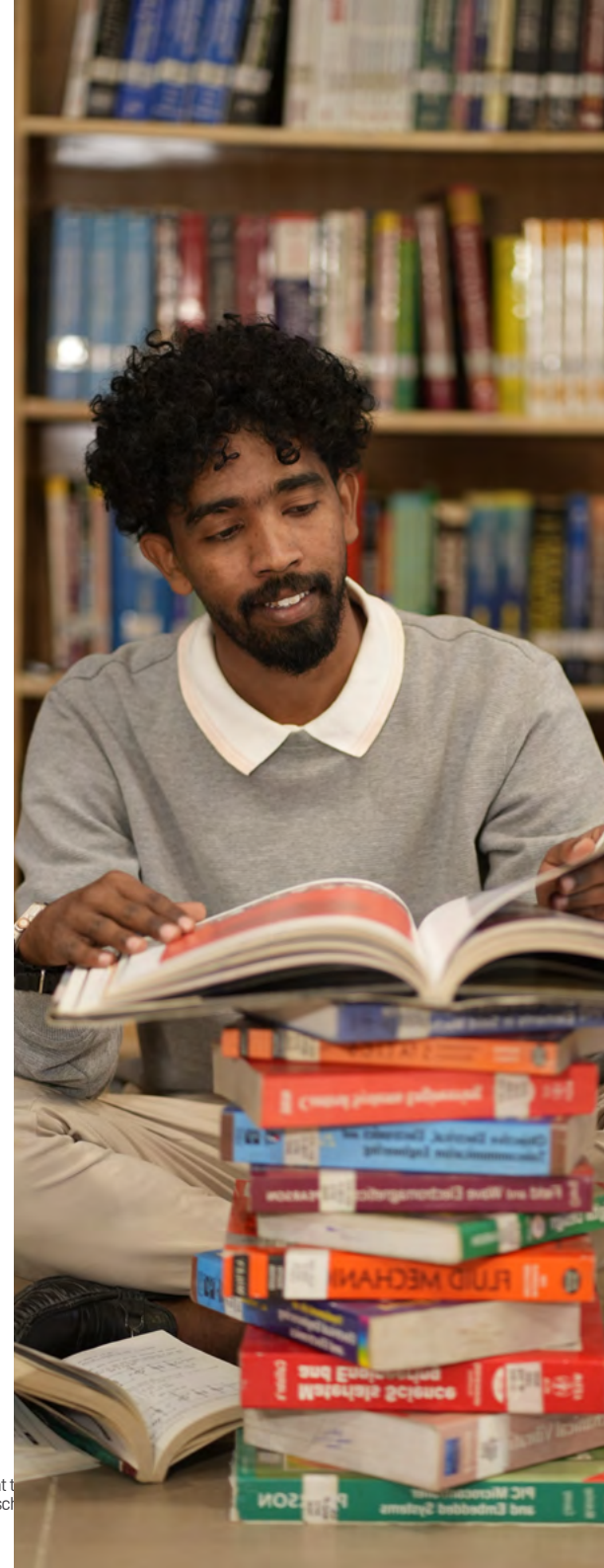
Semester 7

Sensors & Transducers	3
Electrical Machines	3
RB Elective-V	3
Final Year Project (part-I)	2
Feedback Control Systems	3

Semester 8

Professional Practices	2
Robotics Machine Design	3
Model Predictive Control	3
Final Year Project (part-II)	4
Engineering Mechanics	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.



BS

Electronics and Computing

Course Duration	4 Years
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory + Lab)	(2+1)
Application of Information &	3
Communication Technology (Theory + Lab)	(2+1)
Ideology and Constitution of Pakistan	2
Islamic studies	2
Understanding of Holy Quran-1	1
Pre-Calculus	0

Semester 2

Programming Fundamentals (Theory + Lab)	4
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory + Lab)	3
Calculus & Analytical Geometry	3
Understanding of Holy Quran-2	1
Pre-Algebra	0

Semester 3

Object-Oriented Programming (Theory + Lab)	4
Basic Electronics (Theory + Lab)	4
Data Structures and Algorithms (Theory + Lab)	3
Technical and Report Writing	3
Probability and Statistics	3

Semester 4

Operating Systems (Theory + Lab)	4 (3+1)
Electronic Circuit Analysis	3
Microprocessors and Interfacing (Theory + Lab)	4 (3+1)
Database Systems (Theory + Lab)	3 (2+1)
Signals and Systems	3
Civic and Social Responsibility	2

Semester 5

Computer Networks (Theory + Lab)	3 (2+1)
Embedded Systems Design (Theory + Lab)	4 (3+1)
Analysis of Algorithms	3
Control Systems (Theory + Lab)	3 (2+1)
Artificial Intelligence (Theory + Lab)	3 (2+1)
Technopreneurship / Innovation Management	3

Semester 6

Internet of Things (IoT) (Theory + Lab)	3 (2+1)
Software Engineering	3
VLSI Design or DSP	3
Research Methodology	3
Cybersecurity / Information Security (Theory + Lab)	3 (2+1)

Semester 7

Final Year Project – I	3
Robotics & Automation	3
Human-Computer Interaction	3
Digital Signal Processing (DSP)	3
Mobile App Development (Theory + Lab)	3 (2+1)

Semester 8

Final Year Project – II	3
Professional Ethics & Practices	2
Cloud Computing / Edge Computing	3
Machine Learning / Deep Learning	3
Technical Seminar / Comprehensive Review	3

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

BS

Applied Computing

Course Duration	4 Years
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or Equivalent with minimum 50% marks

Semester 1

Functional English	3
Discrete Structures	3
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Application of Information & Communication Technology (Theory)	2
Application of Information & Communication Technology (Lab)	1
Ideology and Constitution of Pakistan	2
Islamic studies	2
Understanding of Holy Quran-1	1
Pre-Calculus	0

Semester 2

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Probability & Statistics	3
Expository Writing	3
Digital Logic & Design (Theory)	2
Digital Logic & Design (Lab)	1
Calculus & Analytical Geometry	3
Understanding of Holy Quran-2	1
Pre-Algebra	0

Semester 3

Object Oriented Programming (Theory)	3
Object Oriented Programming (Lab)	1
Multivariable Calculus	3
Digital Marketing	3
Linear Algebra	3
Technical & Business Writing	3

Semester 4

Data Structures & Algorithms (Theory)	3
Data Structures & Algorithms (Lab)	1
Web Technologies (Theory)	2
Web Technologies (Lab)	1
Software Engineering	3
Digital Marketing	3
Database Systems (Theory)	3
Database Systems (Lab)	1

Semester 5

Analysis of Algorithms	3
Advanced Programming (Theory)	2
Advanced Programming (Lab)	1
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Computer Networks (Theory)	2
Computer Networks (Lab)	1
Big Data	3
Civics and Community Engagement	3

Semester 6

Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
FinTech	3
Technopreneurship	3
Operating Systems (Theory)	2
Operating Systems (Lab)	1
Information Security (Theory)	2
Information Security (Lab)	1
Business and Data Analytics	3

Semester 7

HCI & Computer Graphics (Theory)	2
HCI & Computer Graphics (Lab)	1
Final Year Project (part-I)	2
Bioinformatics	3
IOT	3
Embedded Systems and Robotics	3
Mobile application Development	3

Semester 8

Professional Practices	2
Parallel & Distributed Computing (Theory)	2

Note: Students with a non-mathematical background must fulfill prerequisite requirements by completing Pre-Calculus and Pre-Algebra courses within their initial two semesters.

Associate Degree in Cyber Security

Course Duration	2 Years
Semesters	4
Total Credit Hours	81

Eligibility

Intermediate or Equivalent

Semester 1

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Functional English	3
Pre-Calculus	3
Application of Information & Communication Technologies (Lab)	1
Application of Information & Communication Technologies (Theory)	2
Digital Logic Design (Theory)	2
Digital Logic Design (Lab)	1
Discrete Structure	3
Fehm-e-Quran - I	1

Semester 2

Object Oriented Programming (Theory)	3
Database Systems (Theory)	3
Computer Network (Theory)	2
Object Oriented Programming (Lab)	1
Database Systems (Lab)	1
Computer Network (Lab)	1
Calculus & Analytical Geometry	3
Expository Writing	3
Fehm-e-Quran - II	1

Semester 3

Data Structures & Algorithms (Theory)	3
Software Engineering	3
Data Structures & Algorithms (Lab)	1
Pakistan Studies	2
Web Technologies	3
Civics and Community Engagement	3
Linear Algebra	3
Cyber Security	2
Cyber Security (Lab)	1

Semester 4

Islamic Studies	2
Ideology and Constitution of Pakistan	2
Technopreneurship	3
Elective I - Elective Placeholder-I	3
Information Security (Theory)	2
Information Security (Lab)	1
Digital Forensics (Lab)	1
Digital Forensics (Theory)	2
Elective II - Elective Placeholder-II	3
Pre Algebra	3



Associate Degree

in Computer Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	81

Eligibility

Intermediate or Equivalent

Semester 1

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Digital Logic Design (Lab)	1
Application of Information & Communication Technologies (Theory)	2
Application of Information & Communication Technologies (Lab)	1
Digital Logic Design (Theory)	2
Discrete Structure	3
Functional English	3
Fehm-e-Quran - I	1

Semester 2

Calculus & Analytical Geometry	3
Object Oriented Programming (Theory)	3
Database Systems (Theory)	3
Object Oriented Programming (Lab)	1
Database Systems (Lab)	1
Pre Algebra	3
Expository Writing	3
Computer Network (Lab)	1
Computer Network (Theory)	2
Fehm-e-Quran - II	1

Semester 3

Data Structures & Algorithms (Theory)	3
Software Engineering	3
Data Structures & Algorithms (Lab)	1
Pakistan Studies	2
Computer Organization and Assembly Language (Theory)	2
Computer Organization and Assembly Language (Lab)	1
Web Technologies	3
Civics and Community Engagement	3
Linear Algebra	3

Semester 4

Islamic Studies	2
Technopreneurship	3
Elective II - Elective Placeholder-II	3
Ideology and Constitution of Pakistan	2
Information Security (Lab)	1
Information Security (Theory)	2
Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
Elective II - Elective Placeholder-II	3
Pre-Calculus	3

Associate Degree

in Web Design and Development

Course Duration	2 Years
Semesters	4
Total Credit Hours	81

Eligibility

Intermediate or Equivalent

Semester 1

Programming Fundamentals (Theory)	3
Programming Fundamentals (Lab)	1
Functional English	3
Pre-Calculus	3
Application of Information & Communication Technologies (Theory)	2
Application of Information & Communication Technologies (Lab)	1
Discrete Structure	3
Digital Logic Design (Theory)	2
Digital Logic Design (Lab)	1
Fehm-e-Quran - I	1

Semester 2

Object Oriented Programming (Theory)	3
Database Systems (Theory)	3
Object Oriented Programming (Lab)	1
Database Systems (Lab)	1
Pre Algebra	3
Expository Writing	3
Calculus & Analytical Geometry	3
Computer Network (Theory)	2
Computer Network (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Data Structures & Algorithms (Theory)	3
Software Engineering	3
Graphic Designing	2
Data Structures & Algorithms (Lab)	1
Pakistan Studies	2
Civics and Community Engagement	3
Linear Algebra	3
Graphic Design (Lab)	1
Web Technologies	3

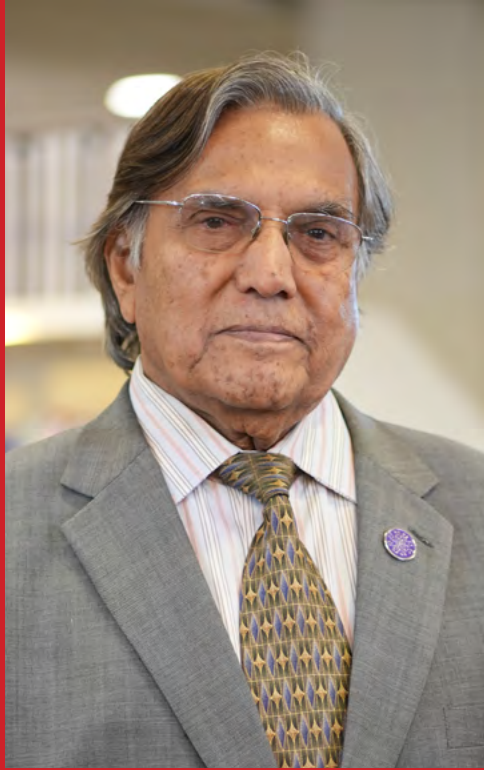
Semester 4

Islamic Studies	2
Technopreneurship	3
Information Security (Theory)	2
Information Security (Lab)	1
Advance Web (Theory)	2
Advance Web (Lab)	1
Ideology and Constitution of Pakistan	2
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3





FACULTY OF SOCIAL SCIENCES



Dean's Message

Welcome to a world shaped by people, media, business, communities, and meaningful relationships. You are now part of Pakistan's leading entrepreneurial university, where ideas are nurtured, initiatives are encouraged, and innovation is driven by experiential learning. We are committed to delivering high-quality education, built upon the principles of Outcome-Based Education (OBE) and Project-Based Learning (PBL).

During your time with us, our progressive teaching methodologies will help you develop a keen sense of observation, analytical thinking, and a broadened worldview. Your research abilities, information management skills, and the resilience to face life's challenges will be honed, transforming you into a true professional. From personalized mentoring to hands-on sociopreneurship, you will be empowered to create meaningful, lasting impact in society.

The vibrant campus life at Superior offers you a rich blend of cultural experiences, as you study alongside a diverse student body from across Pakistan and beyond. Throughout your journey, you will find support, mentorship, and opportunities for personal and professional growth.

Our integrated media platforms — including Neo TV, Lahore Rang, Ekselent TV, Daily Nai Baat, and FM 106.6 — will provide you with practical exposure, helping you master the art of communication and preparing you to make a real difference.

At the Faculty of Social Sciences, your academic journey will equip you with the knowledge, confidence, and expertise to become a socially conscious leader, ready to excel in both personal and professional spheres.

Prof. Dr. Muhammad Nizamuddin



- Ph.D Communication Studies
- MS Clinical Psychology
- M.Phil Mass Communication Management
- BS Clinical Psychology
- BS Digital Media and Broadcast Journalism
- BS Mass Communication
- BS International Relations
- BS Criminology

Prof. Dr. Muhammad Nizam Ud din
 Dr. Masud Akhtar
 Dr. Zubair Mahmood
 Dr. Sajid Hussain
 Dr. Muhammad Furkan
 Dr. Faizullah
 Dr. Ahmad Bilal
 Dr. Muhammad Imran
 Dr. Shamshad Bashir
 Dr. Arooj Zahra Rizvi
 Dr. Rubina Kausar
 Ms. Bushra Rafiq
 Ms. Hina Gul
 Ms. Sobia Abbas
 Mr. Tariq Aziz
 Mr. Muhammad Umar Saeed
 Mr. Muhammad Farhan Taj
 Mr. Muhammad Mujeeb Riaz
 Mr. Rana Waqas
 Mr. Muhammad Waqas
 Mr. Atif Riaz
 Ms. Sadaf Azam
 Ms. Maryam
 Ms. Amna Ali
 Ms. Rabika Nadeem
 Ms. Saira Majid
 Mr. M. Atif Rasool
 Ms. Aysha Zafar
 Ms. Ayesha Toqeer
 Ms. Zahra Ijaz Ali mirza
 Ms. Falak Naz Noor
 Ms. Tuba Sarfraz
 Ms. Rafia Batool

Ph.D

Communication Studies

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

Minimum 3.0 GPA in the relevant field out of 4.0 GPA.
Quality GAT subject (NTS) with 60% or GAT subject (University) with 70%.

Semester 1

Advanced Methods in Mass Communication Research	3
Media debates: Issues in Media and communication	3
Information Management	3
Understanding of Holy Quran-I	1

Semester 2

Dissertation Writing Techniques	3
Research Seminar /Research Practicum	3
Understanding of Holy Quran-II	1
Optional	3

Semester 3,4,5 & 6

Thesis	30
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Optional Courses

Theories of Influences on Media Content	3
Political Communication	3
Media and Society	3
Media and Globalization	3
Data analysis and interpretation	3



M.Phil

in Mass Communication Management

Program Duration	2 Years
Semesters	4
Total Credit Hours	30

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.5. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Approaches to Mass Communication Studies-I	3
Philosophy of Social Sciences	3
Media Culture and Society	3
Communication Research Methods-I	3
Understanding of Holy Quran-I	1

Semester 2

Approaches to Mass Communication Studies II	3
Communication Research Methods-II	3
Advanced Digital Media	3
Dissertation Writing Techniques	3
Understanding of Holy Quran-II	1

Semester 3 & 4

Thesis	6
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MS

Clinical Psychology

Course Duration	2 Years
Semesters	4
Total Credit Hours	53

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.5 in the semester system or 60% marks in the annual program. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Core Clinical Skills: Assessment and Diagnosis for Children	3
Child Psychopathology	3
Therapeutic Interventions - I	3
Psychopharmacology	2
Understanding of Holy Quran - I	3

Semester 2

Adult Psychopathology	3
Research Methods and formulating research proposal	3
Core Clinical Skills: Assessment and Diagnosis for Adult	3
Therapeutic Interventions - II	3
Clinical Training-I: Child Placement	3
Understanding of Holy Quran - II	3

Semester 3

Advanced Statistics and Data Analysis	3
Professional and Ethical Issues in Clinical Psychology	2
Clinical Training-II: Adult Placement	3
Client Consultation, Case Conference, Professional Skills	1

Semester 4

Research Thesis	6
Speech Rehabilitation	3
Clinical Training-III: Speech Rehabilitation	3

BS

Mass Communication

Course Duration	4 Years
Semesters	8
Total Credit Hours	121

Eligibility

Intermediate or equivalent with minimum 50% marks

Semester 1

Media History Press Laws & Ethics	3
Quantitative Reasoning 1	3
Introduction to Mass Communication	3
Islamiyat Studies	2
Understanding of Holy Quran -1	3
Application of Information and Communication Technologies	3

Semester 2

Expository Writing	3
Functional English	2
Ideology and Constitution of Pakistan	2
Quantitative Reasoning 2	3
Introduction to Political Science	2
Civic and Community	3

Semester 3

Functional Media Language	3
Environmental Chemistry	2
Strategic Leadership/ Life and Learning	3
Photo Journalism	3
Production I	3
Introduction to International Relations	3

Semester 4

Media Management	3
Production-II	3
Journalistic Writing	3
Film making	3
Introduction to Psychology	3

Semester 5

Media Criminology	3
Intro to Advertising	3
Theories of Communication 1	3
Graphic Designing	3
Broadcast Journalism	3
Drama Production	3

Semester 6

Social Entrepreneurship	3
Digital Media Marketing	3
Introduction to PR	3
Research Method	3
Theories of Communication 2	3

Semester 7

Magazine Journalism	3
Environmental Journalism	3
Internship	3
Specialization - Film 1	3

Semester 8

Specialization 2- Theatre 1	3
Podcast Production	3
Specialization 1- Film 2	3
Specialization 2- Theatre 2	3
Final Year Project	



BS

Digital Media and Broadcast Journalism

Course Duration	4 Years
Semesters	8
Total Credit Hours	127

Eligibility

Intermediate or equivalent with minimum 50% marks

Semester 1

Functional English	3
Quantitative Reasoning 1	3
Introduction to Digital Media	3
Expository Writing	3
Understanding of Holy Quran -1	1
Islamic Studies	2
Application of Information and Communication Technologies	3

Semester 2

Ideology and Constitute of Pakistan	2
Digital Streaming Platforms: YouTube, Netflix, Urdu Flex and Beyond	3
Functional Media Language	3
Understanding of Holy Quran -2	1
Online Journalism	3
Civic and Community	2

Semester 3

Writing & Reporting in Digital Media	3
Environmental Chemistry	3
Free Lancing Techniques	3
Strategic leadership/ Life learning	2
Digital Production I	3
Television, Digital Media & Society	3

Semester 4

Digital Media Content Creation	3
Introduction to International Relations	3
Graphic Designing	3
Digital Media Marketing	3
Digital Production II	3
SEO	3

Semester 5

Animation I	3
Digital Photography	3
Digital Advertising	3
Social Entrepreneurship	3
Idea Creation	3

Semester 6

Research Method	3
Animation II	3
Visual Effect I	3
Digital Media Wellbeing	3
Digital Enterprenuership	3

Semester 7

Animation III	3
Visual Effect II	3
Augmented Reality/Virtual Reality	3
Code ? Web Design I	3
Internship	3

Semester 8

Ecommerce	3
Final Year Project	3
Digital Story Telling	3
Code ? Web Design II	3
Videography	3

BS

Clinical Psychology

Course Duration	4 Years
Semesters	8
Total Credit Hours	140

Eligibility

Intermediate or equivalent with minimum 45% marks

Semester 1

Functional English	3
Professional Ethics in Psychology	3
Islamic Studies	2
Mass Communication	2
Applications of Information and Communication Technologies	3
Introduction to Psychology (Theory)	3
Introduction to Psychology (Lab)	1
Understanding of Holy Quran - I	3

Semester 2

Ideology and Constitution of Pakistan	2
Expository Writing	3
Introduction to Clinical Psychology	3
Sports Psychology	3
Educational Psychology	3
Mathematics	3
Understanding of Holy Quran - II	3

Semester 3

Developmental Psychology	3
Personality Theories	3
Social Psychology	3
Biopsychology	3
Environmental Sciences	3
Pakistan Studies	2

Semester 4

Health Psychology	2
Organizational Psychology	3
Gender Issues in Psychology	3
Cognitive Psychology	3
Cross Cultural Psychology	3
Psychopharmacology	3

Semester 5

Civics and Community Engagement	3
Therapeutic Interventions I - Child	3
Advanced Statistics (Theory)	3
Psychological Assessment I (Theory)	3
Psychological Assessment I (Practical)	1
Child Psychopathology	3

Semester 6

Psychopathology Adult	3
Healthcare Entrepreneurship	3
Psychological Assessment - II (Theory)	3
Psychological Assessment - II (Practical)	1
Introduction to Research Methods	3
Therapeutic Interventions II - Adult	3

Semester 7

Counselling Psychology	3
Research Report Writing	3
Occupational Therapy in Rehabilitation	3
Crisis Intervention	1
Clinical Cases: Child Placement-FYP I	3
Data Analysis	3

Semester 8

Forensic Psychology	3
Research Project-FYP II	6
Drug Addiction	3
Clinical Cases: Adult Placement-FYP II	3
Speech Rehabilitation	3

BS

International Relations

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

Eligibility

Intermediate or equivalent

Semester 1

Applications of Information and Communication Technologies	3(2+1)
Public Policy & Governance	2
Functional English	3
Quantitative Reasoning-1	3
Introduction to International Relations	3
History of Pakistan	2
Understanding the Holy Quran-I	1

Semester 2

Geo-Political Structure of the World	3
Expository Writing	3
Regional and International Organization	3
Quantitative Reasoning- II	3
International Relations: 1648-1945	3
Pak Studies	2(2-0)
Understanding the Holy Quran-II	

Semester 3

Theories of International Relations	3
International Relations Since 1945	3
International Law	3
Islamic Studies	3
Ideology & Constitution Pakistan	3
Arts & Humanities	2(2-0)

Semester 4

Globalization and International Relations	3
Foreign Policy of Pakistan	3
Foreign Policy Analysis	3
Social Science	2
Civics & Community Engagement	3
Entrepreneurship	3

Semester 5

Diplomacy	3
Introduction to Political Science	3
International Political Economy	3
Conflict Management & Resolution	3
Global Politics of Environment	3
Introduction to Gender Studies	3

Semester 6

Foreign Policies of Major Powers	3
Defense and Strategic Studies	3
Case Studies in Diplomatic Crises	3
Digital Diplomacy and Cyber Negotiations	3
Academic Writing & Research Methods	3

Semester 7

Regional Connectivity	3
Final Year Project - I	3
Public Diplomacy in the Age of Social Media	3
The Role of the United Nations in Diplomacy	3
Introduction to Philosophy	3

Semester 8

Final Year Project - II	3
Conflict Mediation and Peace Agreements	3
Economic Statecraft and Trade Negotiations	3
Cultural Diplomacy and Soft Power Strategies	3
Arms Control, Disarmament and Nuclear non-Proliferation	3

BS

Criminology

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

Eligibility

Intermediate or Equivalent

Semester 1

Applications of Information and Communication Technologies	3(2+1)
Public Policy & Governance	2
Functional English	3
Quantitative Reasoning-1	3
Introduction to criminology	3
History of Pakistan	2
Understanding the Holy Quraan-I	1

Semester 2

Introduction to Sociology	3
Expository Writing	3
Patterns of Crime	3
Quantitative Reasoning- II	3
InternatSocial Work	3
Pak Studies	2(2-0)
Understaning the Holy Quran-II	1

Semester 3

Criminal Psychology	3
Police and Policing	3
Introduction to Security Studies	3
Islamic Studies	3
Ideology & Constitution Pakistan	2(2-0)
Arts & Humanities	2(2-0)

Semester 4

Sociology of Deviance	3
Cyber Crimes	3
Introduction to Private Security	3
Management	3
Social Science	2
Civics & Community Engagement	3
Entrepreneurship	3

Semester 5

Juvenile Delinquency	3
Introducation to Political Science	3
Islamic Perspective on Crime and Punishment	3
Theoretical Perspectives on Crimes and Criminals	3
Applied Criminology	3
Introducation to Gender Studies	3

Semester 6

Crime Mapping	3
Criminal Justice System	3
Victimology	3
Social Problems of Pakistan	3
Academic Writing & Research Methods	3

Semester 7

Procedure of Evidence in Criminal Law	3
Final Year Project - I	3
Child Abuse and Juvenile Delinquency	3
Phenology	3
Introducation to Philosophy	3

Semester 8

Final Year Project - II	3
Community Policing	3
Drugs, Abuse and Human Rights Related Crime	3
Method of Criminal Investigation	3
Terrorism & Counter Terrorism	3



FACULTY OF ART AND DESIGN



Dean's Message

The dialogue between art and design is a vibrant, ever-evolving force that shapes our society. At Superior University, this connection is further strengthened through the novel opportunities provided by our unique entrepreneurial ecosystem.

Our comprehensive entrepreneurial teaching and training program is built on the foundation of Outcome-Based Education (OBE), offering a rich, interdisciplinary curriculum. This approach empowers students to integrate their knowledge of design, tourism, marketing, economics, education, and social sciences—creating a unique space where creativity meets real-world application.

The thriving creative community within the Faculty of Art and Design plays a pivotal role in nurturing the skill sets demanded by 21st-century industries. Our strong international networks open doors to exciting global career opportunities, ensuring that our students are not only fully trained but also prepared to thrive in rapidly evolving work environments.

With Superior's in-house practical learning platforms and our flagship 1-M professional exposure model—offering internships, projects, and integrated learning experiences—you are guaranteed a head start on your professional journey.

We warmly welcome you to the Faculty of Art and Design—a space where creativity, innovation, and global relevance come together to shape the designers, artists, and creative leaders of tomorrow.

Dr. Sami Ullah Bajwa
Dean

Faculty of Art & Design (Additional Charge)

- MS Art and Design
- BS Fashion Design
- BS Graphic Design
- BS Interior Design
- BS Fine Arts
- BS Textile Design
- Bachelor of Architecture

Prof. Dr. Nabeel Amin
Dr. Anita Kapida
Dr. Umer Hameed
Dr. Touseef Ahmed
Ms. Saba Hisham
Ms. Naushaba Azhar
Mr. Azhar Mamoon Sualehi
Mr. Azhar Syed
Mr. Muhammad Tahir Khan
Khalidi
Ms. Rabia Shahbaz
Ms. Hummaira Kanwal
Mr. Syed Aqeel Anwar Kazmi
Mr. Zeeshan Ali Adnan
Mr. Amer Hashmi
Ms. Ayesha Hashmi
Mr. Ahmar Abbas Rizvi
Ms. Yumna Habib
Mr. Ibrahim Ihsan Ullah Bajwa
Ms. Mubashara Younas
Ms. Maaz Raees
Ms. Isra Zia

Ms. Anza Saleem
Mr. Muhammad Usman Sadiqi
Ms. Tashfeen Ahmad
Mr. Muhammad Daniyal Zafar
Mr. Abdullah Azeem
Ms. Abdia
Ms. Ayesha Arooj
Ms. Mahira Noor
Mr. Muhammad Qamar
Ms. Mehwish Altaf
Ms. Masoma Rubab
Ms. Sana Asif
Mr. Ahmad Gulraiz
Mr. Hamza
Ms. Memona Farooq
Ms. Miral Shkirani
Mr. Haris Mukhtar
Mr. Shahzaib Malik
Mr. Sajid Hussain
Mr. Adnan Abdullah
Ms. Doha Khan

MS

Art & Design

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

*Requires a bachelor's degree in any of the following fields from recognized university: Architecture, Interior Design, Landscape Design, Textile Design, Fashion Design, Fashion Marketing and Merchandising, Graphic Design, Product Design, Building Design and Construction, Fine Arts, Home Economics, Civil Engineering, or Civil Engineering Technology. Candidates must also achieve a minimum score of 50% on the Graduate Assessment Test (GAT) General conducted by NTS or the university-specific GAT Test with 60%

Semester 1

Research Methodology - I	3
Entrepreneurial Leadership	3
Advance Design	3
Fehm-e-Quran - I	1

Semester 2

Research Methodology - II	3
Project Management	3
Elective-I	3
Fehm-e-Quran - II	1

Semester 3

Luxury/ Brand Management	3
Elective-II	3

Semester 4

Thesis Work	6
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List of Electives

Sustainable Supply Chains	3
Visual Merchandising	3



Bachelor of Architecture

Course Duration	5 Years
Semesters	10
Total Credit Hours	174

Eligibility

Applicants must have attained at least a second division in their FA, FSc(Pre-Medical and Pre-Engineering), ICS, DAE, A-Level, I.Com, or an equivalent qualification, with Mathematics as a subject. The selection process involves a Qualitative Aptitude Test, a Drawing Test, and a personal interview.

Semester 1

Architectural Graphics - I	3
Islamic Studies	2
Design Studio - I (Studio)	5
Design Studio - I (Theory)	1
Quantitative Reasoning-I	3
Functional English	3
Fehm-e-Quran - I	1

Semester 2

Architectural Graphics - II	3
Quantitative Reasoning-II	3
Design Studio - II(Theory)	1
Ideology & Constitution of Pakistan	2
Application of Information & Communication Technologies (Theory)	2
Application of Information & Communication Technologies(Lab)	1
Design Studio - II (Studio)	5
Fehm-e-Quran - II	1

Semester 3

Personality Development - I	2
History of Architecture - I	2
Design Studio - III (Studio)	7
Design Studio - III (Theory)	1
Materials and Construction - I	2
Materials & Construction - I (Studio)	1
Computer Applications - I	3

Semester 4

History of Architecture - II	2
Structural System - I (Theory)	2
Structural System - I (Lab)	1
Design Studio - IV (Studio)	7
Design Studio - IV (Theory)	1
Materials & Construction - II (Theory)	1
Materials & Construction - II (Studio)	1
Expository Writing	3

Semester 5

Climatology	2
Architectural Working Drawings	3
Design Studio - V (Studio)	7
Design Studio - V (Theory)	1
Social Entrepreneurship Program	3
Computer Applications - II	2

Semester 6

Architectural Theories & Criticism	2
Physical Environmental Studies	2
Design Studio- VI (Studio)	7
Design Studio- VI (Theory)	1
Interior Design (Theory)	1
Interior Design (Studio)	1
Entrepreneurship	2
Building Services I (Theory)	1
Building Services I (Studio)	1

Semester 7

Urban Design - I	2
Research Methodology & Report Writing	2
Design Studio- VII (Studio)	7
Design Studio- VII (Theory)	1
Built Heritage and Conservation (Theory)	2
Built Heritage and Conservation (Studio)	1
Landscape Design (Theory)	1
Landscape Design (Studio)	2

Semester 8

Urban Design - II	2
Sustainable Cities and Communities (Theory)	2
Sustainable Cities and Communities (Studio)	1
Design Studio- VIII (Studio)	7
Design Studio- VIII(Theory)	1
Building Services II (Theory)	2
Building Services II (Studio)	1
Cost and Estimation (Theory)	1
Cost and Estimation (Studio)	1

Semester 9

Thesis Design I (Design Thesis Objective, Concept & Report) Theory	1
Thesis Design I (Design Thesis Objective, Concept & Report) Studio	7
Design Studio	4
Project Management (Theory)	2
Project Management (Studio)	1

Semester 10

Professional Practice	3
Thesis Design - II	12

BS

Fashion Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	122

Eligibility

Intermediate or Equivalent with minimum 45% marks

Semester 1

Drawing-I	2
Functional English	3
Quantitative Reasoning-I	3
Art History	2
Design Studio-I	2
Applications of Information and Communication Technologies	3
Fehm-e-Quran - I	1

Semester 2

Quantitative Reasoning-II	3
Expository Writing	3
Drawing-II	2
Design Studio-II	2
Introduction to Business	3
Islamic Studies	2
Fehm-e-Quran - II	1

Semester 3

Fashion Design Studio-I	3
Sewing & Stitching-I	2
Draping-I	2
Pattern-I	2
Ideology and Constitution of Pakistan	2
Fashion psychology	2
Textile Raw Materials	2

Semester 4

Fashion Design Studio-II	3
Sewing and Stitching-II	2
Draping-II	2
Pattern-II	2
Textile Design-I	2
Color Theory & Application	2
Sustainable Design	2

Semester 5

Fashion Design Studio-III	3
Draping-III	2
Pattern-III	2
Textile Design-II	2
Social Entrepreneurship Program	3
Sustainable Fashion	3

Semester 6

Fashion Design Studio-IV	3
Digital Fashion-I	3
Textile Design-III	3
Entrepreneurship	3
Fashion Styling - I	3

Semester 7

Final Year Project-I	4
Introduction to Marketing & Merchandising	2
Couture Finishes	3
Digital Fashion Styling	3
Internship-I	3

Semester 8

Final Year Project-II	6
Fashion Styling-II	3
Digital Marketing	3
Internship-II	3

BS

of Interior Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	124

Eligibility

Intermediate or Equivalent with minimum 45% marks

Semester 1

Design Studio - I	4
Drawing - I	2
Applications of Information and Communication Technologies (Theory)	2
Functional English	3
Quantitative Reasoning-I	3
Applications of Information and Communication Technologies (Lab)	1
Fehm-e-Quran - I	1

Semester 2

Islamic Studies	2
Design Studio - II	5
Drawing - II	2
Quantitative Reasoning-II	3
Expository Writing	3
Fehm-e-Quran - II	1

Semester 3

Computer Applications - I	2
Interior Drawing and Composition - I	2
History of Interior Design	2
Model Making	3
Ideology and Constitution of Pakistan	2
Interior Design Studio-I	4

Semester 4

Computer Application-II	2
Interior Drawing and Composition - II	2
Psychology	2
Interior Design Studio - II	6
Materials	2

Semester 5

Fundamentals of Structure	2
Social Entrepreneurship Program	3
Interior Design Studio - III	6
Computer Application-III	3
Interior Landscape	3

Semester 6

Interior Furnishing & Furniture	3
Interior Design Studio - IV	6
Computer Application-IV	2
Understanding of Interior Lighting	2
Interiorpreneurship	3
Contemporary Practice in Architecture	2

Semester 7

Sustainable Interior Design	3
Final Year Project-I	8
Interior Design Specifications	2

Semester 8

Final Year Project - II	10
Interior Project Management	2
Professional Practices	3



BS

in Textile Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	123

Eligibility

Intermediate or Equivalent with minimum 45% marks

Semester 1

Drawing I	2
Functional English	3
Art History	2
Design Studio I	2
Quantitative Reasoning I	3
Applications of Information and Communication Technologies (Theory)	2
Applications of Information and Communication Technologies (Lab)	1
Fehm-e-Quran - I	1

Semester 2

Drawing II	2
Design Studio II	2
Introduction to Business	3
Islamic Studies	2
Expository Writing	3
Quantitative Reasoning-II	3
Fehm-e-Quran - II	1

Semester 3

Theme Research/ Story & Mood Board, Design	2
Digital Textile Design - I (Adobe Photoshop)	2
Materials and Models	2
Design Chemistry	3
Psychology	2
Ideology and Constitution of Pakistan	2
Textile Raw Materials	2

Semester 4

Color Theory & Application	2
Digital Textile Design II	3
Woven Design I	3
Sustainable Design	2
Smart Textiles	2
Textile Practice	3

Semester 5

Textile Printing Techniques (Screen Printing, Block Printing, Digital Printing)	3
Surface Design I	3
Mix Media Textile/ Textile Embellishment & Hand Embroidery	3
Woven Design II	3
Social Entrepreneurship Program	3

Semester 6

Surface Design II	3
Textile Sculpture/3D Textiles	3
Entrepreneurship	3
Textile Crafts	3
Garment Manufacturing	3
Garment Manufacturing (Lab)	1

Semester 7

Intro to Fashion Design/ Fashion Illustrations	3
Experimental Textiles (Product Life Cycle Management)	3
Sales & Merchandising	2
Internship- I	3
Final Year Project-I	4

Semester 8

Design Seminar	3
Project Management	2
Digital Marketing	3
Final Year Project II	4
Internship-II	3

Course Duration	4 Years
Semesters	8
Total Credit Hours	123

Eligibility

Intermediate or Equivalent with minimum 45% marks

Semester 1

Design Studio - I	2
Drawing - I	2
Applications of Information and Communication Technologies - Theory	2
Applications of Information and Communication Technologies - Lab	1
Functional English	3
Art History	2
Quantitative Reasoning-I	3
Fehm-e-Quran - I	1

Semester 2

Introduction to Business	3
Islamic Studies	2
Design Studio - II	2
Drawing - II	2
Quantitative Reasoning-II	3
Expository Writing	3
Fehm-e-Quran - II	1

Semester 3

Painting - I (Landscape & Still Life)	3
Miniature Tradition	3
Miniature Painting	3
Techniques of painting/Material & Process	2
Sustainable Design	2
Ideology and Constitution of Pakistan	2

Semester 4

Painting - II (Figure in Content)	3
Graphic Arts	3
Art and Sustainability	2
Drawing III	2
Illustration	3
Psychology	2

Semester 5

Sculpture	3
Painting - IV (Landscape & Still Life)	3
History of Western Arts - I	2
Social Entrepreneurship Program	3
Painting III (Composition)	2
Drawing IV	2

Semester 6

Cultural Studies - I	2
Painting - V (Figure in the Context & Composition)	3
History of Western Arts - II	2
Painting - VI (Composition)	3
Drawing - V	3
Entrepreneurship	3

Semester 7

Cultural Studies - II	2
Drawing - VI	3
Final Year Project-I	6
Calligraphy	4

Semester 8

Final Year Project - II	6
Digital Marketing	3
Drawing VII	3
Internship	3

BS

Graphic Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	122

Eligibility

Intermediate or Equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - I	1
Drawing - I	2
Quantitative Reasoning-I	3
Functional English	3
Art History	2
Applications of Information and Communication Technologies (Theory)	2
Design Studio - I	2
Applications of Information and Communication Technologies(Lab)	1

Semester 2

Design Studio - II	2
Introduction to Business	3
Expository Writing	3
Islamic Studies	2
Quantitative Reasoning-II	3
Drawing - II	2
Fehm-e-Quran - II	1

Semester 3

World of Photography	3
Fundamentals of Graphics	3
Design Chemistry	3
Typography & Calligraphy	3
Ideology and Constitution of Pakistan	2

Semester 4

Psychology	2
Illustration	3
Color Theory & Application	2
Content Management	2
Advertising and Public Relation	3
Sustainable Design	3

Semester 5

Design Research	3
Advanced Graphics	3
Concept & Layout	3
Branding	3
Social Entrepreneurship Program	3

Semester 6

UI/UX	2
Principles of Animation	3
Product & Packaging	3
Interactive Media Design	3
Entrepreneurship	2
Printing Technology	3

Semester 7

Creativity & Innovative Designs	3
Motion Graphics	3
Project Management	3
Augmented Reality	3
Final Year Project - I	3

Semester 8

Design Seminar	3
Internship-I	3
Digital Marketing	3
Final Year Project - II	6



FACULTY OF ARTS AND HUMANITIES



Dean's Message

You now have the opportunity to preserve your identity, celebrate your vibrant heritage, and uphold the values that have significantly shaped our contemporary world. At Superior University, we will empower you to embrace this role through a diverse curriculum, research-driven programs, and a strong focus on student success.

Our dedicated faculty members take pride in nurturing research excellence, aesthetic values, and social responsibility among students. We equip them with the skills to thrive in an increasingly interconnected, fast-paced world by fostering teamwork, adaptability, and innovation.

Our students are driven to create meaningful societal impact through social entrepreneurship and the positive character traits they cultivate under our flagship Character Mastery Project, along with many other initiatives. With an emphasis on diversity, objective analysis, and creative originality, they are prepared to make a difference through research excellence and social contribution.

We warmly welcome you to join our Superior community—where your potential will be shaped, your ambitions nurtured, and together, we will work towards building a more beautiful, inclusive, peaceful, and sustainable world.

Prof. Dr. Muhammad Sarwar

- Ph.D Urdu
- Ph.D Islamic Studies
- Ph.D Education
- MS Urdu
- MS Linguistics
- MS Islamic Studies
- BS English Language and Literature
- BS Education 5th Semester
- BS Education

Dr. Farhana Akmal
 Dr. Muhammad Arif
 Dr. Shafia Baber
 Prof. Dr. Muhammad Sarwar
 Prof. Dr. Ismat Bano
 Prof. Dr. Shahbaz Ahmad
 Dr. Muhammad Saleem Mohsin
 Dr. Sana Javaid
 Dr. Shafqat Ali Shah
 Dr. Aneela Aslam
 Dr Amaria Atta
 Dr. Muhammad Nawaz
 Dr. Kaleem Akhtar
 Dr. Muhammad Asif Awan
 Dr. Muhammad Obaid Aslam
 Dr. Iqbal Hussain Asad
 Dr. Muhammad Kamran
 Dr. Muhammad Ahmed Shah
 Dr. Neelam Bano
 Dr. Asad Abbas Shah
 Dr. Farman Ali
 Mr. Qaisar Iqbal
 Mr. Muhammad Wasif
 Ms. Mahnoor Shahid Mufti
 Mr. Kashif Raza
 Ms. Momina Hafeez
 Mr. Hassan Amin
 Mr. Afzaal Chaudhry

Mr. Nayab Samar
 Ms. Aqsa
 Mr. Muhammad Waseem
 Mr. Zohaib Hassan
 Mr. Muhammad Saleem
 Mr. Raheel Anwar
 Mr. Muhammad Saleem
 Mr. Sana ul Haq
 Mr. Ghulam Farid
 Mr. Rashid Siddique
 Mr. Muhammad Mansha
 Mr. Hafiz Muhammad Ramzan
 Ms. Zobia Kanwal
 Mr. Ghulam Qambar
 Mr. Shafeeq ur Rehman
 Ms. Dua Irfan
 Ms. Nafeesa Arif
 Mr. Muhammad Qasim
 Mr. Jaffar Ali Kazmi
 Ms. Mahrukh
 Mr. Muhammad Imran Noor
 Mr. Muhammad Waqas Hussain
 Mr. Muhammad Waheed u Zaman
 Mr. Sajjad Ul Hassan
 Mr. Abdul Rauf
 Mr. Shahid Bukhari
 Mr. Shahid Mehmood
 Mr. Muhammad Shahid

Ms. Somia Tariq
 Mr. Naeem Mubashar
 Mr. Asad Ur Rehman
 Ms. Fareeha Amin
 Ms. Mahrukh Rana
 Ms. Asma Saeed
 Mr. Sufyan Afzal
 Ms. Farah Iqbal
 Mr. M Mudassar Mehmood
 Mr. Riaz Qadeer

Ph.D

Education

Course Duration	3 Years
Semesters	6
Total Credit Hours	49

Eligibility

Minimum 3.0 GPA in the relevant field out of 4.0 GPA. Quality GAT subject (NTS) with 60% or GAT subject (University) with 70%.

Semester 1

Philosophical Paradigms of Education	3
Quantitative Research Methods	3
Doing Qualitative Research	3
Fehm-e-Quran I	

Semester 2

Instrument Development and Data Analysis	3
Contemporary Trends in Education	3
Mixed Methods Research Report Writing	3
Fehm-e-Quran II	1

Semester 3 & 6

Thesis	30
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Ph.D

Islamic Studies

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

Minimum 3.0 GPA in the relevant field out of 4.0 GPA. Quality GAT subject (NTS) with 60% or GAT subject (University) with 70%.

Semester 1

Study of the Sciences of Quran and modern trends in Tafseer	3
Contemporary Research Methods in Islamic Thought	3
Islam in the Contemporary Era	3
Fehm-e-Quran I	1

Semester 2

Methodological studies of Hadith and Seerah studies	3
Principles of Jurisprudence and Its History	3
Occidentalism	3
Fehm-e-Quran II	1

Semester 3 & 6

Thesis (Urdu/ English/ Arabic)	30
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M.Phil

Education

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree (130 credit hours) in Education or its equivalent, along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Research Methods in Education	3
Trends and Issues in Education	3
Techniques of Educational Assessment	3
Communication and Academic Writing	3
Fehm-e-Quran I	1 (0-1)

Semester 2

Data Analysis and Computer Application	3
Curriculum Development and Organization	3
Educational Leadership and Management	3
Quality Assurance in Education	3
Fehm-e-Quran II	1 (0-1)

Semester 3 & 4

Dissertation	6
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M.Phil

M.Phil Education, Leadership & Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	50

Eligibility

Holding a 16-year degree (130 credit hours) in Education or its equivalent, along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Quantitative Research Methods	3
Policy Analysis	3
Leadership Theories	3
Leadership Skills and Management	3
Fehm-e-Quran I	1 (0-1)

Semester 2

Finance and Resource Management	3
Quality Assurance Management	3
Qualitative Research Methods	3
Report Writing	3
Fehm-e-Quran II	1 (0-1)

Semester 3

Dissertation	6
Philosophy of Education	3
Psychology of Education	3

Semester 4

Educational Management & Supervision	3
Methods of Teaching	3
Curriculum Development	3
Testing Measurement of Evaluation	3

M.Phil

Library & Information Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree (130 credit hours) in Library and Information Management or its equivalent, along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Theoretical Foundations of Library Science	3
Theoretical Foundations of Information Science	3
Computer Application Library & Information Science	3
Qualitative Research Methods	3
Fehm-e-Quran I	1 (0-1)

Semester 2

Quantitative Research Methods	3
Seminar in Library & Information Sciences	3
Marketing of Library & Information Services	3
Development of Library & Information Sciences of Pakistan	3
Fehm-e-Quran II	1 (0-1)

Semester 3 & 4

Dissertation	6
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MS

Urdu

Course Duration	2 Years
Semesters	4
Total Credit Hours	26 + Thesis

Eligibility

Holding a 16-year degree in relevant field, along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Asool e Tehkeek aur Riwayat	3
Tanqeed aur is K Mubahis	3
Lissaniyat	3
Aham Adabi Rujhanat	3
Fehm-e-Quran I	1

Semester 2

Asool e Tadveen aur Riwayat	3
Adbi Tarikh Naveesi	3
Tarjuma Asool aur Riwayat	3
Urdu Mai Mutalia Iqbal ki Riwayat	3
Fehm-e-Quran II	1

Semester 3 & 4

Thesis	0
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MS

Linguistics

Course Duration	2 Years
Semesters	4
Total Credit Hours	24 + Thesis

Eligibility

Holding a 16-year degree in relevant field along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Research Methods in Linguistics (core)	3
Linguistic Theories (core)	3
Language and Technology	3
Applied Linguistics	3
Understanding Quran	

Semester 2

Issues in Syntax	3
Translation Studies	3
Corpus Linguistics	3
Critical Discourse Analysis	3
Understanding Quran	

Semester 3 & 4

Thesis	0
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MS

Islamic Studies

Course Duration	2 Years
Semesters	4
Total Credit Hours	26 + Thesis

Eligibility

Holding a 16-year degree in relevant field along with achieving a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Quran and Uloom ul Quran	3
Ijtihad: History, Principles and Methods	3
Advanced Research Methodology	3
Comparative Study of Religions and Interfaith Tolerance	3
Fehm-e-Quran I	1

Semester 2

Arabic Language and Literature	3
Hadith and Uloom al-Hadith	3
Sirat al-Nabi and Fiqh al-Sirah	3
Orientalism: Critical Study	3
Fehm-e-Quran II	1

Semester 3 & 4

Thesis (Urdu/ English/ Arabic)	0
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BS

English (Language and Literature)

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

Eligibility

Intermediate: 45% Marks

Semester 1

Functional English	3
Applications of Information and Communication Technologies	3
Introduction to Linguistics	3
Introduction to English Literature	3
Islamic Studies/Ethics	2
Mathematics	3
Understanding of Quran I	1

Semester 2

Expository Writing	3
Phonetics and Phonology	3
Ideology and Constitution of Pakistan	2
Artificial Intelligence and English Language	3
Classical Drama	3
Statistics	3
Understanding of Quran II	1

Semester 3

Arabic	2
Advance Academic Reading and Writing	3
Human Rights	3
Environmental Science	3
History of English Literature	2
Pakistan Studies	2

Semester 4

Poetry (14th -19th Century)	3
Semantics	3
Morphology and Syntax	3
Novel (18th – 19th Century)	3
Literary Criticism	3

Semester 5

Introduction to Digital Media	3
Civics and Community Engagement	3
Modern Drama	2
Discourse Analysis	3
American Literature	3
Romantic and Victorian Poetry	3

Semester 6

International Relations	3
Entrepreneurship	3
Postmodern Fiction	3
Pakistani Literature in English	3
Introduction to Forensic Linguistics	3
Psycholinguistics	3

Semester 7

Management	3
Research Methodology	3
Translation Studies	3
FYP-1 (Internship/ Project)	3
Second Language Acquisition	3

Semester 8

Syllabus Design	3
Stylistics	3
Language Teaching Methods	2
Sociolinguistics	3
FYP-2	3

BS

Education 5th semester

Course Duration	1.5 Years
Semesters	5
Total Credit Hours	84

Eligibility

16-year degree (MA/MSC/BS 4years) with minimum of second division or equivalent.

Semester 0

Educational Psychology	3
Philosophy of Education	3
Introduction to Curriculum	3
Educational Leadership and Management	3
Methods of Teaching	3
Artificial Intelligence in Education	3

Semester 1

Classroom Management	3
Communication Skills and Personality Development	3
Sociology of Education	3
Educational Assessment and Evaluation	3
Civics and Community Engagement	3
Content and Teaching of Mathematics	3

Semester 2

Educational Entrepreneurship	3
Teaching at Early Childhood Level	3
Teaching as Profession	3
Research Methods in Education	3
Health and Safety Education	3

Semester 3

Learning & learning theories of learning	3
Final Year Project-I	3
Educational Law	3
Content and Teaching of English	3
Content and Teaching of General Science	3

Semester 4

Final Year Project-II	3
Teaching Practice	15



Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Applications of Information and Communication Technologies	3(2+1)
Islamic Studies / Ethics	2
Functional English	3
Mathematics	3
Educational Psychology	3
History of Pakistan	3
Understanding to the Holy Quran-I	1

Semester 2

Educational Guidance and Counseling	3
Expository writing	3
Ideology and constitution of Pakistan	2
Philosophy of Education	3
Introduction to Curriculum	3
Environmental Science	3(2+1)
Understanding to the Holy Quran-II	1

Semester 3

Artificial Intelligence in Education	3
Economics of Education	3
Distance Education	3
Educational Leadership and Management	3
Basic Statistics	3
Education for Sustainable Development	3

Semester 4

Educational Policies	3
Child Development	3
Critical Thinking and Reflective Practices	3
Methods of Teaching	3
Data-Driven Decision-Making in Teaching	3
Contemporary issues and trends in Education	3

Semester 5

Classroom Management	3
Communication Skills and Personality Development	3
Sociology of Education	3
Educational Assessment and Evaluation	3
Civics and Community Engagement	3
Content and Teaching of Mathematics	3

Semester 6

Educational Entrepreneurship	3
Teaching at Early Childhood Level	3
Teaching as Profession	3
Research Methods in Education	3
Health and Safety Education	3

Semester 7

Learning & learning theories of learning	3
Final Year Project-I	3
Educational Law	3
Content and Teaching of English	3
Content and Teaching of General Science	3

Semester 8

Final Year Project-II	3
Teaching Practice	15



FACULTY OF ENGINEERING AND TECHNOLOGY



Dean's Message

It is my pleasure to welcome you to the esteemed Faculty of Engineering and Technology (FET) and invite you to embark on an exciting journey of learning, discovery, and innovation with us.

FET takes pride in its six dynamic departments, offering degree programs accredited by prestigious bodies such as the Pakistan Engineering Council (PEC) and the National Technology Council (NTC). These accreditations are a testament to the quality, relevance, and excellence of our academic offerings.

At FET, we are committed to providing education deeply rooted in practical application and aligned with industry demands. Our state-of-the-art technical laboratories ensure that students gain hands-on experience to complement their classroom learning. Through our flagship 3U1M Program, students benefit from market exposure, with the final year—"1M" (1 Year in Market)—designed to equip them with real-world experience, ensuring they graduate with both a degree and valuable professional skills.

Our faculty is driven by a mission to contribute solutions to the critical engineering and technological challenges of our time. We continuously evolve and expand our academic portfolio to meet the growing need for multidisciplinary, flexible, and globally relevant education.

I am confident that our innovative academic programs and practical learning environment will profoundly shape the future of our students. As we advance together, we remain committed to keeping you informed of our progress and achievements.

Once again, I extend a warm welcome to the Faculty of Engineering and Technology—the finest engineering faculty of Superior University.

Prof. Dr. M. Zafrullah

- PhD in Electrical Engineering
- MS Electrical Engineering
- MS Mechanical Engineering
- MS Civil Engineering
- MS Electrical Engineering Technology
- BSc Mechanical Engineering Technology
- BSc Civil Engineering Technology
- BSc Electrical Engineering Technology
- BSc Civil Engineering
- BSc Electrical Engineering
- BSc Mechanical Engineering
- BSc Aviation Engineering Technology
- BS Aircraft Maintenance and Management
- BS Avionics Engineering
- BSc Biomedical Engineering Technology
- BSc Information Engineering Technology

Prof. Dr. Muhammad Zafarullah
 Prof. Dr. Khalid Mahmood ul Hassan
 Prof. Dr. Syed Muhammad Tahir Zaidi
 Prof. Dr. Tahir Izhar
 Prof. Javed Younas Uppal
 Dr. Mustafa Shakir
 Dr. Adnan Yousaf
 Dr. Saif Ur Rehman
 Dr. Rao Muhammad Asif
 Dr. Manzoor Ellahi
 Dr. Adeel Ikram
 Dr. Sara Aslam
 Dr. Muhammad Owais Tariq
 Dr. Muhammad Sohail Hasan
 Mr. Air Cdr © Wajih Humayun Hashmi
 Mr. Hafiz Fuad Usman
 Ms. Mufaaza Tahir Raja
 Mr. Muhammad Mubashir Farid
 Mr. Muhammad Ali Ijaz Malik
 Mr. Muhammad Moghees Ud Din
 Mr. Azher Mehmood
 Mr. Muhammad Sumaid Chatha
 Ms. Misbah
 Ms. Munaza Rao
 Ms. Sidra Maqsoom

Mr. Syed Shoukat Hussain
 Mr. Syed Muhammad Minhal
 Mr. Zeeshan Ullah
 Mr. Umer Majeed
 Mr. Zeeshan Babar
 Mr. Zohaib Riaz
 Mr. Muhammad Usman
 Mr. Omair Sadiq
 Mr. Hafiz Farrukh Bahadur
 Mr. Waqar Qayyum
 Mr. Mudassar Iqbal
 Mr. Usman Salim
 Mr. Sarfraz Ali
 Mr. Mudassir Maqbool
 Mr. Umair Khalid
 Mr. Allah Ditta
 Mr. Muhammad Uzair Shah
 Mr. Arslan Ali
 Ms. Sana Akram
 Ms. Javeria Khizar
 Mr. Moezz Asif
 Ms. Fatima Zafar
 Mr. Emad Ali
 Ms. Kinza Fayyaz
 Syed Huzaifa Hussain
 Emad Ali
 Hafiza Nazra Tun Naeem

Jannat Bakht
 Farid Ud Din Khan
 Farhana Noor
 Muhammad Rizwan
 Mr. Usman Ahmad Khan
 Abdul Basit Iqbal
 Rida Javaid
 Hammas Ahmed
 Kamran Javed
 Mr. Muhammad Ibrar
 Ms. Sania Batool
 Mr. Adnan Ali
 Ms. Maryum Zulfiqar
 Mr. Haseeb Ahmad
 Mr. Umaiz Sadiq
 Ms. Ranya Muqaddas
 Mr. Muhammad Asad Ejaz
 Mr. Abdul Basit
 Mr. Mubarak Ali
 Ms. Sahar Arshad

Ph.D

in Electrical Engineering

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

MS Electrical Engineering/Computer Engineering/ Telecom Engineering/Electronics or equivalent with minimum 3.0 CGPA, Qualify GAT Subject (NTS) with 60% or GAT Subject (University) with 70%

Semester 1

Core I	3
Core II	3
Fehm-e-Quran - I	1
Elective I - Elective Placeholder-I	3

Semester 2

Core III	3
Core IV	3
Fehm-e-Quran - II	1
Elective II - Elective Placeholder-VI	3

Semester 3,4,5,6

Comprehensive Stage	0
Proposal Defence Stage	0
Thesis	30
Paper Publication Stage	0
Thesis Final Defence Stage	0

List of Electives

Advanced Communication Systems and Networks	3
Advanced Power System Protection	3
Advanced Renewable Energy Systems	3
AI, Machine Learning and Applications	3
Digital System Design and Embedded Systems	3
Optimization Techniques and Applications	3
Reliable Communication Technology and Protocols	3
Research Methods	3
Smart Grid Systems Operation	3

MS

Electrical Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

16 Years of Education, BS (Electrical Engineering) or related disciplines with 50% in GAT (General) or GAT General (University) with 60%

Semester 1

Core-I	3
Core-II	3
Fehm-e-Quran - I	1
Elective I - Elective Placeholder-I	3

Semester 2

Core-III	3
Core-IV	3
Elective II - Elective Placeholder-II	3
Fehm-e-Quran - II	1

Semester 3

Core-V	3
Thesis - I	3

Semester 4

Elective III - Elective Placeholder-III	3
Thesis - II	3

List of Core Courses

Advanced Renewable Energy Systems
Next Generation Networks
Optimization Techniques and Applications
Smart Grid Systems Operation
Advanced Power System Protection
Advanced Electric Vehicular Technology
Digital System Design and Embedded Systems
AI, Machine Learning and Applications

List of Electives

Research Methods
Probability and Random Variables
Advanced Power Electronics
Advanced topics in Optimization and Economics of Integrated Power System
Advanced High Voltage Engineering
Advanced Wireless Communications
Advanced Digital Signal Processing
Advanced Topics in Mobile and Wireless Communication
Advanced Digital Communication Systems
Advanced Topics in Image Processing
Advanced Control Systems and Design
Network Routing and Switching
Applied Machine Learning and Deep Learning
Reliable Communication Technology and Protocols
IoT Communication and Application Protocols
Distributed Systems and Cloud Computing
High Speed Communications Networks
AI for Communication Systems
Fundamentals of Micro-Nanobiotechnology
MEMS (Microelectromechanical Systems) Design and Micromachining
Semiconductor Devices and Nanotechnology
Advance Topics in Digital Design and Embedded Systems
Communication Networks and Cyber Security
Artificial Intelligence and Cyber Security
Stochastic Systems: Estimation and Control
Design of Embedded Systems: Models, Validation, Synthesis
Telemedicine and Wireless technology

MS

Mechanical Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

BSc. Mechanical Engineering or related disciplines with 50% in GAT (General) or GAT General (University) with 60%

Semester 1

Fehm-e-Quran - I	1
Core-I	3
Core-II	3
Elective I - Elective Placeholder-I	3

Semester 2

Fehm-e-Quran - II	1
Core-III	3
Core-IV	3
Elective II - Elective Placeholder-II	3

Semester 3

Elective III - Elective Placeholder-III	3
Thesis - I	3

Semester 4

Elective IV - Elective Placeholder-IV	3
Thesis - II	3

list of Core Courses

Computational Fluid Dynamics
Advanced Dynamics
Continuum Mechanics
Advanced Engineering Materials
Additive Manufacturing
Research Methods

List of Electives

Advanced Manufacturing Processes
Production & Operations Management
Computer Integrated Manufacturing
Laser Materials Processing
Advanced Machining Processes
3D Printing for Innovative Design and Production
Design of Machine Tools
Artificial Intelligence in Design and Manufacturing
Joining of Advanced Materials
Quality Assurance
Advanced CAD/CAM
Product Design
Materials Design and Processing
Digital Manufacture and Rapid Manufacture
Process Planning & Computer Aided Manufacturing
Modeling, Simulation, and Visualization
Design Management and Prediction
Robotics and Manufacturing Automation
Advanced Laser Processing
CAD and Product Data Management
Industrial Safety
Industrial and Manufacturing Management
Advanced Finite Element Methods
Product Design Fundamentals
Rapid Prototyping
Tribology
Fluid Mixing and Separation
Advanced Heat Transfer
Convective Heat Transfer
Advanced IC Engines
Thermal Energy Storage Systems
Carbon Capture, Storage and Utilization
Sustainable Energy Systems
Energy Management
Gas Turbine Engineering
Boiling and Condensation Heat Transfer
Industrial Air Conditioning and Refrigeration
Internal Combustion Engines
Fluidized Bed Combustion
Advanced Thermodynamics
Thermal Design of Heat Exchangers
Analytical Methods for Partial Differential Equations
Pressurized Systems
Solar Energy Utilization
Energy Management
Boundary Layer Theory
Hydrodynamic Stability
Two Phase Flow
Turbulence
Heat & Mass Transfer
Thermal Emission and Control
Advanced Power Plant System
Applied Solar Energy
Renewable and Sustainable Energy Systems
Energy Conservation for Sustainability
Robotics
Automation and Control
Robotics and Manufacturing Automation
Advanced Control Systems
Rotor-dynamics
Non-linear Dynamics and Chaos
Advanced Stress Analysis
Theory of Vibration
Engineering Plasticity
Applied System Dynamic and Control
Manufacturing Systems
Design Optimization and Analysis Techniques
Numerical Method for partial differential equations
Fatigue in Metals and Composites
Mechanical Behavior of Materials
Fracture Mechanics
Theory of Elasticity
Theory of Plasticity
Theory of Plates and Shells
Advanced Numerical Analysis
Flow Induced Vibration
Mathematical Modeling and Simulation
Non-destructive Evolution of Structures and Materials
Smart Structures
Theory of Aero elasticity
Advanced Solid Mechanics
Condition Monitoring of Rotating Machines
MEMS and Micromachining
Multidisciplinary Design Optimization
Vibrations of Shells and Plates
Mechanism Design
Special Course in Mechanical Design & Analysis
Mechanics of Composite Materials
Advanced Mechanics of Materials
Advanced Mechanical Vibrations

MS

Civil Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

16 Years of Education, BS (Civil Engineering) or related disciplines with 50% in GAT (General) or GAT General (University) with 60%

Semester 1

Core-I	3
Core-II	3
Elective I - Elective Placeholder-I	3
Fehm-e-Quran - I	1

Semester 2

Fehm-e-Quran - II	1
Core-III	3
Core-IV	3
Elective II - Elective Placeholder-II	3

Semester 3

Elective III - Elective Placeholder-III	3
Thesis - I	3

Semester 4

Elective IV - Elective Placeholder-IV	3
Thesis - II	3

List of Core Courses

Advanced Reinforced Concrete
Advanced Soil Mechanics
Hydraulic Structures
Environmental Health and Safety
Advanced Concrete Technology
Research Methods

List of Electives

Structural Engineering

- Properties of Structural Materials
- Prestressed Concrete
- Advanced Steel Structures
- Bridge Engineering
- Durability of Concrete Structures
- Fiber Reinforced Polymers
- Stability of Structures
- Advanced Structural Analysis
- Seismic Analysis and Design

Geotechnical Engineering

- Geotechnical Investigation
- Soil Improvement Techniques
- Foundation Engineering
- Dam Engineering
- Deep Foundations
- Rock Engineering
- Environmental Geo-techniques
- Soil Dynamics
- Engineering Properties of Soil
- Soil Erosion & Watershed Management

Hydraulics Engineering

- Advanced Fluid Mechanics
- Applied Hydrology
- Drainage Engineering
- Ground Water Engineering
- Irrigation System Design and Management
- Water Law and Policy
- Design and Construction of Earthen Dam
- Advanced Open Channel Hydraulics
- Application of RS & GIS
- Water Quality Management
- Reservoir Operation

Environmental Engineering

- Environmental Management and Impact Assessment
- Solid Waste Management
- Wastewater Treatment and Design
- Water Supply and Wastewater Collection System
- Industrial and Hazardous Waste Management
- Experimental Methods in Environmental Engineering
- Air and Noise Pollution Control
- Environmental Pollution Control
- Water Supply and Sewer System Design

MS

Electrical Engineering Technology

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

BSc. Electrical Engineering or BSc. Electrical Engineering Technology with 2.5 or above CGPA. Moreover 50% in GAT (General) or GAT General (University) with 60%

Semester 1

Fehm-e-Quran - I	1
Elective I - Elective Placeholder-I	3
Digital Control Systems	3
Economic Analysis for Technologists	3
Elective II - Elective Placeholder-II	3

Semester 2

Modeling and Analysis of Dynamic Systems	3
Instrumentation and Measurements	3
Renewable Energy Systems	3
Elective III - Elective Placeholder-III	3
Fehm-e-Quran - II	1

Semester 3

Thesis - II	3
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Semester 4

Thesis - II	3
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List of Electives

Advanced Electrical Machine Design	3
Advanced Power Electronics	3
Energy Management	3
Advanced Power System Protection	3
Control of Electric Machines and Drives	3
Distributed Generation	3
Power Generation	3
Power System Modeling and Analysis	3
Insulation Coordination in Power Systems	3
Power Quality	3
Modeling & Control of Power Converters	3
Adaptive Control Systems	3
Embedded Systems	3
Linear System Theory	3
Multivariable Feedback Control	3
online Control Systems	3
Optimal Control Systems	3
Robotics	3
Sensors and Actuators	3
Special Topics in Electrical Technology	3
Advanced Digital Communication	3
Advanced Digital System & Design	3
Embedded Systems	3
Mobile and Wireless Communication	3
Modelling & Control of Power Converters	3
Nonlinear Control Systems	3
Robotics	3
Satellite Communications Systems	3
Sensors and Actuators	3
VLSI Design	3
Special Topic in Electrical Engineering Technology (Comm)	3



B.Sc

Electrical Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	139

Eligibility

FSc pre Engineering/DAE or equivalent with 60% marks + Entry Test

Semester 1

Functional English	2
Calculus and Analytical Geometry	3
Linear Circuit Analysis	3+1
Applications of ICT	2+1
Engineering Drawing	1
Applied Physics	2+1
Fehm-e-Quran - I	1

Semester 2

Differential Equation	3
Natural Sciences Elective	2
Discrete Math	
Electrical Workshop Practice	1
Ideology and Constitution of Pakistan	2
Computer Programming	3+1
Electrical Network Analysis	3+1
Fehm-e-Quran - II	1

Semester 3

Complex Variables and Transforms	3
Arts and Humanities Elective	2
Communication and Presentation Skills	
Digital Logic Design	3+1
Object Oriented Programming	3+1
Electronic Devices and Circuits	3+1
Occupational Health and Safety	1

Semester 4

Social Sciences Elective	2
Economics	
Linear Algebra	3
Islamic Studies/Ethics	2
Data Structures and Algorithm	3+1
Signals and Systems	3+1
Electromagnetic Field Theory	3

Semester 5

Electrical Machines	3+1
Microprocessors and Interfacing	3+1
Communications Systems	3+1
Probability and Statistics for Engineers	3
MDEE	3
Applied Thermodynamics	

Semester 6

Expository Writing	3
Linear Control Systems	3+1
Power Distribution & Utilization	3+1
Depth Electives (Core) - I	3+1
Artificial Intelligence	
Project Management	2
Civics and Community Engagement/SEP	2

Semester 7

Depth Elective (Core) - II	3+1
Digital Signal Processing	
Depth Elective - III	3+1
Integrated Electronics	
Flexible Engg/ Non-Engg Elective - I	3
Depth Elective - IV	3
Renewable Energy System	
Final Year Project - I	2

Semester 8

Entrepreneurship	2
Depth Elective-V	3
Smart Grid	
Flexible Engg/ Non-Engg Elective - II	3+1
Flexible Engg/ Non-Engg Elective - III	3
Final Year Project - II	4



B.Sc

Information Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc Pre Engineering/ICS/DAE or Equivalent with 50% Marks + Entry test

Semester 1

Understanding of Holy Quran - I	1
Applied Physics (Lab)	1
Applied Physics (Theory)	2
Calculus	3
English Composition and Comprehension	2
Introduction to Computing (Lab)	1
Introduction to Computing (Theory)	2
Programming Fundamentals (Lab)	1
Programming Fundamentals (Theory)	3
Basic Math (For Pre-Medical student)	0

Semester 2

Basic Electronics (Lab)	1
Basic Electronics (Theory)	2
Communication & Presentation Skills	3
Introduction to Python Programming (Theory)	2
Introduction to Python Programming (Lab)	1
Object-Oriented Programming (Lab)	1
Object-Oriented Programming (Theory)	3
Islamic Studies / Ethics	2
Understanding of Holy Quran - II	1
Discrete Structures	2

Semester 3

Data Structures and Algorithms (Lab)	1
Data Structures and Algorithms (Theory)	3
Digital Logic Design (Lab)	1
Digital Logic Design (Theory)	3
Linear Algebra	2
Pakistan Studies	2
Probability and Statistics	3

Semester 4

Database Systems (Lab)	1
Database Systems (Theory)	3
Microprocessor and Microcontroller Based Systems (Lab)	1
Microprocessor and Microcontroller Based Systems (Theory)	3
Numerical Analysis and Computing	3
Software Engineering	3
Technical Report Writing	2
Web Engineering-I (Lab)	1
Web Engineering-I (Theory)	2
Social Entrepreneurship Program	3

Semester 5

Artificial Intelligence (Theory)	2
Artificial Intelligence (Lab)	1
Data Communication & Computer Networks (Lab)	1
Data Communication & Computer Networks (Theory)	2
Entrepreneurship	2
Operating System	2
Senior Design Project I (Lab)	2
Web Engineering-II (Lab)	1
Web Engineering-II (Theory)	2

Semester 6

Computer Vision (Lab)	1
Computer Vision (Theory)	2
IET Project Management	3
Mobile Application Development (Theory)	2
Mobile Application Development (Lab)	1
Network and System Administration	2
Senior Design Project II (Lab)	4

Semester 7

Cloud Computing	2
Supervised Industrial Training - I (Lab)	15

Semester 8

Cyber Security	2
Supervised Industrial Training - II (Lab)	15

BS

Aviation Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

50% Marks in FSc. Pre-Engineering/FSc. Pre-Media/ICS/
A-Levels/DAE or equivalent + Entry Test

Semester 1

Fehm-e-Quran - II	1
Aviation Mathematics	3
Aviation Physics (Lab)	2
Aviation Physics (Lab)	1
English Grammar and Composition	3
Introduction to Aviation	1
Introduction to Computing in Aviation	2
Introduction to Computing in Aviation (Lab)	1
Islamic Studies	2
Ideology and Constitution of Pakistan	2

Semester 2

Airline Maintenance Planning and Control	2
Elective- I - Elective Placeholder-I	2
Electrical Fundamentals (Lab)	1
Electrical Fundamentals (Theory)	2
Electrical Terminologies and Functions	2
Probability & Statistics	3
Technical Report Writing	3
Basic Aerodynamics	2
Fehm-e-Quran - II	1

Semester 3

Aircraft Materials (Lab)	1
Aircraft Materials (Theory)	3
Aviation Legislation	3
Digital Electronics & Instrument Systems	2
Digital Electronics & Instrument Systems (Lab)	1
Elective - II - Elective Placeholder-II	2
Elective II - Elective Placeholder-II	3
Electronics Fundamentals (Lab)	1
Electronics Fundamentals (Theory)	2

Semester 4

Aero Modelling (Lab)	2
Aero Modelling (Lab)	1
Aircraft Hardware & Workshop Practices	2
Aircraft Hardware & Workshop Practices (Lab)	2
Communication Skills and ICAO English	2
Elective - III - Elective Placeholder-III	2
Engineering Ethics	2
Human Factors in Aviation	2
Active Citizenship Program	2

Semester 5

Airframe Assembly & Inspection	1
Airframe Assembly & Inspection (Lab)	1
Airframe Fuel Auxiliary Systems	2
Airframe Fuel Auxiliary Systems (Lab)	1
Airframe Structures	2
Airframe Structures (Lab)	1
Avionics Systems	1
Avionics Systems (Lab)	1
Flight Control systems	2
Flight Control systems (Lab)	1
Hydraulic & Pneumatic Systems (Lab)	1
Hydraulic & Pneumatic Systems (Lab)	1
Landing Gear Systems	1
Landing Gear Systems (Lab)	1

Semester 6

Engine Monitoring Systems	2
Engine Monitoring Systems (Lab)	1
Flight Operations	3
Gas Turbine Engines (Theory)	2
Gas Turbine Engines (Lab)	1
Power Plant Fuel and Auxiliary Systems	3
Power Plant Lubrication Systems	1
Safety and Quality Management System (SQMS)	2
Technical Drawing & CAD (Lab)	1
Entrepreneurship in Aviation	2

Semester 7

Aircraft Maintenance Practices (Lab)	2
Aircraft Maintenance Practices (Lab)	2
Aircraft Weight & Balance	1
Electrical Wiring and Interconnection system (EWIS)	2
Electrical Wiring and Interconnection system (EWIS) (Lab)	1
FYDP	3
Project Management in Aviation	2
Project Management in Aviation (Lab)	1
Propeller Systems-Turbine	2
Propeller Systems-Turbine (Lab)	1

Semester 8

Supervised Industrial Training	16
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List of Technical Electives

Aviation licensing	3+0
Fundamentals of Helicopter	3+0
Meteorology	3+0
Aircraft Avionics Systems	3+0
Communication, Navigation, and Radar Systems	2+1
Additive Manufacturing in Aviation	3+0
Thermodynamics & Propulsion	

List of Technical Electives

Object-Oriented Programming	2+0
Artificial Intelligence	2+0
Computer Programming	2+0
Computer Application and Programming	1+1
Mobile Application and Development	2+0
Cyber Security and Cryptography	2+0
Web Development using Python Django	2+0
Computer Graphics and Logo Design	2+0
Introduction to Robotics	2+0
Python Developer	2+0

BS

Avionics Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

Eligibility

60% Marks in FSc. Pre-Engineering/ Pre Medical /ICS/A-Levels(Cambridge Students)having IBCC Equivalence Certificate /DAE*(as per PEC policy)/B-Tech**(Pass)/Foreign Students

Semester 1

Fehm-e-Quran - I	1
Applied Calculus	3
Applied Physics (Lab)	1
Applied Physics (Theory)	2
Computing Fundamentals (Lab)	1
Computing Fundamentals (Theory)	3
Introduction to Aerospace Engineering	2
Linear Circuit Analysis (Lab)	1
Linear Circuit Analysis (Theory)	3
Workshop Practice	1

Semester 2

Differential Equations	3
Digital Logic Design (Lab)	1
Digital Logic Design (Theory)	3
Electrical Network Analysis (Lab)	1
Electrical Network Analysis (Theory)	3
Engineering Drawing & Graphics (Lab)	1
Engineering Drawing & Graphics (Theory)	1
Islamic Studies/Ethics	2
Object Oriented Programming (Lab)	1
Object Oriented Programming (Theory)	2
Fehm-e-Quran - II	1

Semester 3

Data Structures & Algorithms (Lab)	1
Data Structures & Algorithms (Theory)	2
IDEE-I (Elective)	3
Electronic Devices & Circuits (Lab)	1
Electronic Devices & Circuits (Theory)	3
Functional English	2
Ideology and constitution of Pakistan	2
Linear Algebra	3

Semester 4

Communication Skills	2
Complex Analysis & Transforms	2
SS Elective II(Active Citizenship Program)	3
Electromagnetic Field Theory	3
Electronics Circuits Design (Lab)	1
Electronics Circuits Design (Theory)	3
Instrumentation & Measurements (Lab)	1
Instrumentation & Measurements (Theory)	2

Semester 5

Antenna & Wave Propagation (Lab)	1
Antenna & Wave Propagation (Theory)	3
Electromechanical Systems	3
Electromechanical Systems (Lab)	1
Probability & Statistics for Engineers	3
Signals & Systems (Lab)	1
Signals & Systems (Theory)	3
Technical Writing	2

Semester 6

Analog and Digital Communications (Lab)	1
Analog and Digital Communications (Theory)	3
Control Systems (Lab)	1
Control Systems (Theory)	3
MS Elective - I (Engineering Entrepreneurship)	3
MS Elective - II (Safety & Quality Management Sysytem)	3
Elective II - (Digital Signal Processing)	3

Semester 7

Final Year Design Project-I	3
Elective-III (Modern Control Systems)	3
Elective-IV (Data Communication & Networks)	3
Elective-V (Radar Systems)	4
IDEE-II (Elective)	3

Semester 8

Final Year Design Project-II	3
Elective-VI (Avionics System Design)	4
SS Elective-I (Professional Ethics & Values)	2
Elective-I (Embedded Systems)	3

List of IDEE Breath Electives

Applied Aerodynamics	3+0
Cloud computing and IOT	3+0
Introduction to Modelling and Simulation	3+0
Thermodynamics of Propulsion	3+0
Modern Control System	2+1
Radar & Navigation Systems	3+1
Data Communication & Networks	2+1
Avionics System Design	3+1
Microwave Engineering	2+1
Orbital Mechanics	3+0
Spacecraft Dynamics & Control	3+0
Guidance & Navigation	3+0
Digital Control System	2+1
Flight Control System	2+1
Industrial Control and Automation	2+1

List of Engg Depth Electives

Non-Linear Control	2+1
Antenna Engineering	2+1
Cyber Security in Avionics	2+1
Advance Digital Signal Design	2+1
Digital Signal Processing	2+1
Data Computer and Satellite	3+1
Communication	
Radar Systems	3+1
Artificial Intelligence	2+1
Embedded Systems	2+1
Image Processing	2+1
FPGA System Design	2+1

BS

Aircraft Maintenance and Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	129

Eligibility

40% Marks in FSc. Pre-Engineering & Pre-Medical /ICS/A-Levels/Equivalence Certificate /DAE+Entry Test

Semester 1

Computer Application and Programming (Theory)	2
Computer Application and Programming (Lab)	1
Islamic Studies	2
Functional English	3
Introduction to Aviation	1
Maintenance Physics (Theory)	2
Maintenance Physics (Lab)	1
Maintenance Mathematics	3
Fehm-e-Quran - I	1

Semester 2

Report Writing	3
Linear Algebra	3
Electrical Terminologies and Functions	2
Electrical Fundamentals (Theory)	2
Advanced Programming	2
Electrical Fundamentals (Lab)	1
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - II	1

Semester 3

Business Communication in Aviation	2
Aviation Law	3
Digital Electronics (Theory)	2
Digital Electronics (Lab)	1
Basic Aerodynamics	3
Electronics Fundamentals (Theory)	2
Electronics Fundamentals (Lab)	1
Python Developer	2

Semester 4

Active Citizenship Program	3
Ergonomics in Aviation	2
Aircraft Materials (Theory)	3
Aircraft Materials (Lab)	1
CS Elective-I	3
Aircraft Hardware & Workshop Practices (Theory)	2
Aircraft Hardware & Workshop Practices (Lab)	2
Professional Ethics	2

Semester 5

Aerodynamics, Structures and Systems	2
Principles of Piston Engine (Lecture)	2
Principles of Piston Engine (Lab)	1
Engine Electrical Systems (Theory)	2
Engine Electrical Systems (Lab)	1
Engine Lubrication Systems	1
UAV Product Life Cycle Management (Lab)	1
Management Elective - I	3
UAV Product Life Cycle Management (Theory)	2
Hydraulic & Pneumatic Systems	2

Semester 6

Management Elective-II()	3
Management Elective-III()	3
CAD for Maintenance	2
Entrepreneurship	3
Safety and Quality Management System (SQMS)	2
Management Elective-IV ()	3

Semester 7

Aircraft Maintenance Practices	4
Electrical Wiring and Interconnection system (EWIS)	3
Aircraft Weight & Balance	1
Propeller Systems -Piston	4
Management Elective-V ()	3
FYDP	3

Semester 8

Management Elective-VI ()	3
Management Elective-VII()	3
CS ELECTIVE - II()	3
Internship	3

List of Electives

CS & IT Elective

Object-Oriented Programming	2+0
Artificial Intelligence	3+0
Advanced PROGRAMMING	2+0
Mobile Application and Development	3+0
Cyber Security and Cryptography	3+0
Web Development using Python Django	3+0
Computer Graphics and Logo Design	3+0
Introduction to Robotics	3+0
Python Developer	3+0

Management Science Elective

Airline Maintenance Management	3+0
Aviation Transport, Security and Safety	3+0
Operation and Business Aspect of Aviation	3+0
Management Information System	3+0
Aviation Marketing	3+0
Airport Management	3+0
Project Management	2+1
Human Resource Management	3+0
Aviation Research Methodology	3+0
Continuous Airworthiness Management	3+0
Operations Management	3+0
Marketing Management	3+0
Organizational Behaviour	3+0
Financial Management	3+0
Supply Chain Management	3+0
Statistical Inference	3+0
Aviation Survey	3+0
Digital Marketing	3+0
Aviation Management	3+0
Disaster Management	3+0
Production, Operations Management	3+0
Leadership & Management Studies	3+0
Maintenance Operations	3+0
Additive Manufacturing in Aviation	2+1
Aviation Leadership	3+0

B.Sc.

Mechanical Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

FSc pre Engineering/DAE or equivalent with 60% marks plus Entry Test

Semester 1

Understanding of Holy Quran-I	1
Calculus and Analytical Geometry	3
Functional English	3
Applied Physics	3
Applications of ICT	3
Engineering Drawing and Graphics	2
Workshop Practice	2

Semester 2

Linear Algebra and Differential Equations	3
Understanding of Holy Quran-II	1
Electrical Engineering	2
Engineering Mechanics-I: (Statics)	3
Thermodynamics-I	3
Materials Engineering	2
Computer Systems and Programming	3
Islamic Studies or Ethics	2

Semester 3

Engineering Mechanics-II: (Dynamics)	2
Mechanics of Materials-I	3
Complex Variables and Transforms	3
Fluid Mechanics-I	3
Thermodynamics-II	3
Engineering Mechanics Lab	1
Thermodynamics Lab	1
Communication and Presentation Skills	2

Semester 4

Ideology and Constitution of Pakistan	2
Measurement and Instrumentation	2
Mechanics of Materials-II	3
Fluid Mechanics-II	2
Machine Design-I	2
Electronics Engineering	2
Expository Writing	3
Electrical and Electronics Engineering Lab	1
Fluid Mechanics Lab	1
Computer Aided Drawing	1
Mechanics of Materials Lab	1

Semester 5

Numerical Analysis	2
Manufacturing Processes	2
Mechanics of Machines	2
Heat and Mass Transfer	3
Applied Artificial Intelligence and Machine Learning	3
Machine Design-II	3
Manufacturing Processes Lab	1

Semester 6

Engineering Economics	2
Heating, Ventilating and Air Conditioning	2
Finite Element Methods	3
Probability and Stochastic / Math Elective	2
Project Management	2
HVAC and HMT Lab	1
Control Engineering	2
Civics and Community Engagement	2
M&I and Control Lab	1

Semester 7

Mechanical Vibrations	3
Internal Combustion Engines	3
Technical Elective-I	3
Social Entrepreneurship	3
Mechanisms and Mechanical Vibrations Lab	1
Final Year Design Project-I	3

Semester 8

Reverse Engineering and Inspection Techniques	3
Mechatronics and Robotics Engineering	3
Technical Elective-II	3
Engineering Entrepreneurship	3
Occupational Health and Safety	1
Final Year Design Project-II	3

B.Sc.

Biomedical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

FSc Pre Engineering/Pre-medical/DAE or Equivalent with 50% Marks + Entry test

Semester 1

Fehm-e-Quran - I	1
Applied Physics (Lab)	1
Applied Physics	3
Basic Biology (For Pre-Engineering Students)	3
Basic Mathematics (For Premedical Engineering Students)	3
Communication Skills	2
Information & Communication Technology (Theory)	2
Information & Communication Technology (Lab)	1
Islamic Studies / Social Ethics	2
Technical Drawing (Lab)	1

Semester 2

Basic Electrical Technology (Lab)	1
Basic Electrical Technology (Theory)	2
Calculus and Analytical Geometry	3
Computer Programming (Lab)	1
Computer Programming (Theory)	2
Elective I - Elective Placeholder-I	3
Human Anatomy & Physiology (Lab)	1
Human Anatomy & Physiology (Theory)	2
Workshop Practice (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Biochemistry (Theory)	2
Biochemistry (Lab)	1
Digital Logic Design (Lab)	1
Digital Logic Design (Theory)	2
Electrical Circuit Analysis (Lab)	1
Electrical Circuit Analysis (Theory)	2
Linear Algebra & Differential Equations	3
Elective II - Elective Placeholder-II	3
Elective - II - Elective Placeholder-II	2

Semester 4

Biomechanics (Lab)	1
Biomechanics (Theory)	2
Electronic Devices and Circuits (Lab)	1
Electronic Devices and Circuits (Theory)	2
Microprocessors & Microcontrollers (Lab)	1
Microprocessors & Microcontrollers (Theory)	3
Molecular Biology	1
Signals and Systems (Lab)	2
Signals and Systems (Theory)	3
Elective III - Elective Placeholder-III	1

Semester 5

Biomaterials (Theory)	2
Biomedical Control Systems (Theory)	2
Biomedical Control Systems (Lab)	1
Biomedical Signal Processing (Lab)	1
Biomedical Signal Processing (Theory)	2
Pakistan Studies	2
Technical Report Writing	2

Semester 6

Clinical Laboratory Equipment (Lab)	1
Clinical Laboratory Equipment (Theory)	2
Electromechanical System (Lab)	1
Electromechanical System (Theory)	2
Medical Imaging Devices (Lab)	1
Medical Imaging Devices (Theory)	2
Probability and Statistics	2
Project - I (Lab)	3

Semester 7

Artificial Intelligence applications in Biomedical (Lab)	1
Artificial Intelligence applications in Biomedical (Theory)	2
Bioinformatics	2
Healthcare Management	2
Project - II (Lab)	3
Rehabilitation Techniques	2
Telemedicine Systems (Lab)	1
Telemedicine Systems (Theory)	2

Semester 8

Biomedical Instrumentation (Lab)	1
Biomedical Instrumentation (Theory)	3
Communication Skills	3
Economics	3
Entrepreneurship	2
Organizational Behaviour	3
Professional Ethics	3
Regulatory Framework for Medical Devices	3



B.Sc.

Mechanical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc pre Engineering/DAE or equivalent with 60% marks plus Entry Test

Semester 1

Fehm-e-Quran - I	1
Applied Mathematics - I	3
Islamic Studies/ Professional Ethics	2
Applied Physics (Theory)	2
Applied Chemistry (Theory)	2
Workshop Technology (Theory)	1
Applied Physics (Lab)	1
Applied Chemistry (Lab)	1
Computer Fundamentals (Theory)	1
Computer Fundamentals (Lab)	2
Workshop Technology (Lab)	2

Semester 2

Applied Mechanics (Theory)	2
Applied Mechanics (Lab)	1
Technical Drawing and Graphics (Lab)	2
Pakistan Studies	2
Basic Electrical & Electronics (Theory)	2
Basic Electrical & Electronics (Lab)	2
Technical Drawing and Graphics	1
Information and Communication Technologies	3
Introduction to Industrial Management	2
Fehm-e-Quran - II	1

Semester 3

Computer Programming (Lab)	1
Applied Thermodynamics (Lab)	1
Communication Skills	3
Computer aided drafting and Modeling	2
Computer Programming	1
Applied Thermodynamics (Lab)	3
Industrial Materials (Theory)	2
Industrial Materials (Lab)	1
Mechanics of Material (Theory)	2
Mechanics of Material (Lab)	1

Semester 4

Functional English (Lab)	1
Entrepreneurship	3
Machine Design	2
Fluid Mechanics and Hydraulic machines	3
Fluid Mechanics and Hydraulic machines (Lab)	1
Psychology	1
Probability and Statistics	2
Probability and Statistics (Lab)	1
Functional English (Theory)	1
Industrial maintenance and Safety	2
Industrial maintenance and Safety (Lab)	1

Semester 5

Heat and Mass Transfer (Theory)	2
Heat and Mass Transfer (Lab)	1
Project Management (Theory)	2
Project Management (Lab)	1
Energy and Power Technologies (Lab)	2
Energy and Power Technologies (Lab)	1
Project-I	3
Manufacturing Processes (Theory)	2
Manufacturing Processes (Lab)	1
Economics	2

Semester 6

Total Quality Management	2
Instrumentation and Control (Theory)	2
Instrumentation and Control (Lab)	1
Mechanical Vibration (Theory)	2
Mechanical Vibration (Lab)	1
Heating, Air-condition and Ventilation Technologies (Lab)	2
Heating, Air-condition and Ventilation Technologies (Lab)	1
Total Quality Management (Lab)	1
Project-II	3

Semester 7

Industrial Training - I	16
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Semester 8

Industrial Training - II	16
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B.Sc.

Civil Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

FSc Pre Engineering/Pre-medical/DAE or Equivalent with 50% Marks + Entry test

Semester 1

Fehm-e-Quran - I	1
Quantitative Reasoning - II	3
Engineering Drawing (Lab)	2
Applied Physics (Theory)	2
Applied Physics (Lab)	1
Engineering Drawing (Theory)	1
Applications of ICT (Theory)	2
Applications of ICT (Lab)	1
Civil Engineering Materials (Theory)	2
Civil Engineering Materials (Lab)	1
Functional English	3

Semester 2

Engineering Surveying - I (Theory)	2
Engineering Surveying - I (Lab)	1
Engineering Mechanics (Theory)	2
Engineering Mechanics (Lab)	1
Geology for Engineers	2
Quantitative Reasoning - II	3
Computer Programming (Theory)	2
Computer Programming (Lab)	1
Islamic Studies / Ethics	2
Ideology and Constitution of Pakistan	2

Semester 3

Mechanics of Solids - I (Theory)	2
Mechanics of Solids - I (Lab)	1
Fluid Mechanics - I (Theory)	2
Fluid Mechanics - I (Lab)	1
Engineering Surveying - II (Lab)	1
Engineering Surveying - II (Theory)	2
Civil Engineering Drawing & Graphics (Theory)	1
Civil Engineering Drawing & Graphics (Lab)	2
Communication and Presentation Skills	2
Advanced Calculus	3
Fehm-e-Quran - II	1

Semester 4

Mechanics of Solids - II (Theory)	2
Mechanics of Solids - II (Lab)	1
Structural Analysis - I	3
Construction Engineering	2
Soil Mechanics (Theory)	2
Soil Mechanics (Lab)	1
Engineering Law	2
Expository Writing	3
Survey Camp	0

Semester 5

Numerical Analysis	3
Plain and Reinforced Concrete - I (Theory)	3
Plain and Reinforced Concrete - I (Lab)	1
Fluid Mechanics - II (Theory)	2
Geotechnical Engineering (Theory)	3
Geotechnical Engineering (Lab)	1
Quantity & Cost Estimation (Theory)	2
Quantity & Cost Estimation (Lab)	1

Semester 6

Engineering Hydrology (Theory)	2
Engineering Hydrology (Lab)	1
Environmental Engineering (Lab)	1
Environmental Engineering (Theory)	2
Plain and Reinforced Concrete - II (Theory)	3
Plain and Reinforced Concrete - II (Lab)	1
Social Entrepreneurship Program	3
Project Management	2
Highway & Traffic Engineering	2
Internship (6-8 weeks mandatory & qualifying)	0
Community Service	0

Semester 7

Structural Analysis-II	3
Hydraulics Engineering (Theory)	2
Hydraulics Engineering (Lab)	1
Final Year Project - I	3
Pavement Analysis & Design (Theory)	2
Pavement Analysis & Design (Lab)	1
Modelling & Simulation (Theory)	1
Modelling & Simulation (Lab)	1
Geoinformatics (Theory)	1
Geoinformatics (Lab)	1

Semester 8

Engineering Entrepreneurship	3
Steel Structures (Theory)	3
Irrigation Engineering (Lab)	1
Final Year Project - II	3
Architecture & Town Planning	2
Irrigation Engineering (Theory)	2
Foundation Engineering	2
Occupational Health and Safety	1

B.Sc.

Civil Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	139

Eligibility

FSc pre Engineering/DAE or equivalent with 60% marks plus Entry Test

Semester 1

Fehm-e-Quran - I	1
Applied Mathematics - I	3
Applied Physics (Lab)	2
Applied Physics (Lab)	1
Functional English	3
Islamic Studies	3
Material & Methods of Construction (Theory)	2
Materials and Methods of Construction (Lab)	1
Surveying	1
Surveying (Lab)	2

Semester 2

Applied Chemistry	2
Applied Chemistry (Lab)	1
Applied Mathematics - II	3
Civil Engineering Drawing, Drafting and Interpretation (Lab)	2
Civil Engineering Drawing, Drafting and Interpretation (Theory)	1
Communication Skills (Lab)	1
Communication Skills (Theory)	2
Concrete Technology	1
Concrete Technology (Lab)	2
Introduction to Computer Programming (Lab)	2
Introduction to Computer Programming (Theory)	1
Fehm-e-Quran - II	1

Semester 3

Environmental Technology	1
Environmental Technology (Lab)	1
Evolution of Architecture and Engineering	2
Fluid Mechanics (Lab)	1
Fluid Mechanics (Theory)	2
Mechanics of Solids (Lab)	1
Mechanics of Solids (Theory)	2
Pakistan Studies	3
Professional Ethics	2

Semester 4

Fundamentals of Applied Economics	3
Human Skills	2
Soil Mechanics (Lab)	2
Soil Mechanics (Theory)	1
Structural Principles	2
Technical & Scientific Writing	3
Transportation and Highway Technology (Lab)	2
Transportation and Highway Technology (Theory)	2

Semester 5

Computer Aided Drawing and Building Information Modeling (Lab)	2
Computer Aided Drawing and Building Information Modeling (Theory)	1
Construction Equipment and Jobsite Practices (Lab)	2
Construction Equipment and Jobsite Practices (Lab)	1
Electro-Mechanical Technology	2
Geotechnical Investigation and Foundations	1
Geotechnical Investigation and Foundations (Lab)	1
Hydrology	
Hydrology (Lab)	1
Project Part -I	1
Reinforced and Prestressed Concrete (Lab)	3
Reinforced and Prestressed Concrete (Theory)	1
	2

Semester 6

Construction of Steel Structures	2
Construction of Steel Structures (Lab)	1
Geology (Lab)	1
Geology (Lab)	1
Irrigation Technology	3
Maintenance and Repair of Civil Works	1
Maintenance and Repair of Civil Works (Lab)	1
Project Part-II	3
Quantity Surveying and Estimation	1
Quantity Surveying and Estimation (Lab)	2
Technopreneurship	3

Semester 7

Industrial Training - I	16
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Semester 8

Industrial Training - II	16
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B.Sc.

Electrical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

Eligibility

FSc pre Engineering/DAE or equivalent with 60% marks plus Entry Test

Semester 1

Fehm-e-Quran - I	1
Applied Physics (Lab)	1
Applied Physics (Theory)	2
Calculus & Analytical Geometry	2
Communication Skills	3
Electrical workshop (Lab)	2
Information and Communication Technology (LAB)	1
Information and Communication Technology (Theory)	1
Islamic Studies/ Social Ethics	3

Semester 2

Computer Programming (Lab)	1
Computer Programming (Lab)	1
Differential Equations	2
Economics	3
Environment, Health and Safety	1
Linear Circuits Analysis (Lab)	1
Linear Circuits Analysis (Theory)	1
Numerical Analysis (LAB)	2
Numerical Analysis (LAB)	1
Pakistan Studies	3
Fehm-e-Quran - II	1

Semester 3

Electrical Network Analysis (Lab)	1
Electrical Network Analysis (Lab)	1
Electronic Devices and Circuits (Lab)	1
Electronic Devices and Circuits (Theory)	2
Linear Algebra	2
Logic Circuits and Applications (Lab)	2
Logic Circuits and Applications (Theory)	1
Professional Ethics	3
Technical Drawing (Lab)	1
Technical Report Writing	3

Semester 4

Electrical Machines (Lab)	1
Electrical Machines (Theory)	2
Electrical Power Transmission (Lab)	1
Electrical Power Transmission (Theory)	2
Energy and Environment (Lab)	1
Energy and Environment (Theory)	1
Instrumentation and Measurements (Lab)	1
Instrumentation and Measurements (Theory)	2
Micro-Controller Systems (Lab)	1
Micro-Controller Systems (theory)	1
Signals and Systems (Lab)	1
Signals and Systems (Theory)	1

Semester 5

Communication Systems (Lab)	1
Communication Systems (Theory)	2
Control Technology (Lab)	1
Control Technology (Theory)	2
Electrical Power Distribution and Utilization	1
Electrical Power Distribution and Utilization (Lab)	1
Final Year Project - I	3
Power Generation Technology (Lab)	1
Power Generation Technology (Theory)	2
Renewable Energy Technology (Lab)	1
Renewable Energy Technology (Theory)	2

Semester 6

Energy Conservation and Auditing (Lab)	1
Energy Conservation and Auditing (Theory)	1
Entrepreneurship	3
Final Year Project - II	3
High Voltage Technology (Lab)	1
High Voltage Technology (Theory)	2
Industrial Drive and PLC (Lab)	1
Industrial Drive and PLC (Theory)	2
Switchgear and Protective Devices Technology (Lab)	1
Switchgear and Protective Devices Technology (Theory)	2

Semester 7

Industrial Training - I	16
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Semester 8

Industrial Training - II	16
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BS

Information Security and Digital Forensics

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

FSc Pre-Engineering/Pre-Medical/ICS/DAE or Equivalent
+ Entry Test

Semester 1

Calculus & Analytical Geometry	3+0
Programming Fundamentals	3+1
Understanding of Holy Quran-I	0+1
Islamic Studies	2+0
Functional English	3+0
Introduction to Information and Communication Technologies	2+1

Semester 2

Linear Algebra	3+0
Digital Logic Design	3+1
Communication Skills	3+0
Information Security	3+0
Object Oriented Programming	3+1
Understanding of Holy Quran-II	0+1

Semester 3

Data Structures and Algorithms	2+1
Discrete Structures	2+0
Differential Equations	3+0
Introduction to Cyber Security	2+1
Professional Ethics	3+0
Organizational Behavior	3+0

Semester 4

Number Theory and Cryptography	3+0
Operating Systems	3+1
Analysis of Algorithms	3+0
Introduction to Artificial Intelligence	3+1
Probability and Random Variables	3+0
Pakistan Studies	3+0

Semester 5

Database Systems	2+1
Embedded Systems	3+1
Introduction to Digital Forensics	3+0
Technical Writing	3+0
Computer Networks	3+1

Semester 6

Network Security	3+0
Image and Video Processing	2+1
Design of Digital Systems	2+1
Cryptanalysis	3+0
High Performance Computing	3+0

Semester 7

Digital Forensics Tools and Techniques	2+1
Senior Design Project – I	0+3
Design of Digital Systems	2+1
Vulnerability Assessment & Reverse Engineering	3+0
Digital Watermarking and Steganography	2+1
Cyber Forensic Analysis	2+1

Semester 8

Senior Design Project – II	0+3
Total Quality Management	2+0
Project Management	2+0
Advance Topics in Digital Forensics	2+0
Forensic Genetics	2+1
Fundamentals of Biometric Identification	3+0

BS

Robotics & Artificial Intelligence

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

Fsc pre-engineering/pre-medical/DAE Equivalent with Marks + Entry test

Semester 1

Applications of ICT	2+1
Applied Physics	3+1
Programming Fundamentals	2+1
Basic Mathematics	2+0
Functional English	3+0
Islamic Studies / Ethics	2+0
Understanding Quran-I	0+1

Semester 2

Object-Oriented Programming	2+1
Circuit Analysis	2+1
Calculus and Analytical Geometry	3+0
Management Elective	2+0
Intro to Python	2+1
Computer-Aided Design	3+0
Understanding Quran-II	0+1

Semester 3

Digital Logic Design	2+1
Linear Algebra and Differential Equation	3+0
Electromechanical Machines	2+1
Introduction to Robotics	3+1
Database Systems	3+0
Social Entrepreneurship	2+0

Semester 4

Control Systems	2+1
Artificial Intelligence	3+1
Robotics Design	3+1
Pakistan Studies & Global Perspective	2+0
Technical Writing & Presentation Skills	3+0

Semester 5

Robot Operating Systems (ROS)	3+1
Sensors & Actuators	3+1
Embedded Systems Design	3+1
Probability and Statistics	3+0
Machine Learning	3+0

Semester 6

Industrial Robotics	3+0
Autonomous Systems	3+1
Computer Integrated Manufacturing	2+0
Artificial Neural Networks	3+1
Signals & Systems	2+1

Semester 7

Final Year Project I	3+0
Advanced Robotics	3+1
Robot Dynamics Modeling and Control	3+1
Elective - I	3+0

Semester 8

Final Year Project II	3+0
Aerial Robotics	3+1
Natural Language Processing	3+0
Intelligent Control Systems	3+1
Elective - II	2+1

BS

Biomedical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

Fsc pre-engineering/pre-medical/DAE Equivalent with 50% Marks + Entry test

Semester 1

Applied Physics	3+1
Basic Biology (for Pre-Engineering Students)/ Basic Mathematics (for Pre-Medical Students)	3+0
Communication skills	3+0
Information & Communication technology	2+1
Islamic Studies / Social Ethics	2+0
Understanding of Holy Quran-I	0+1
Technical Drawing	0+1

Semester 2

Basic Electrical Technology	2+1
Calculus and Analytical Geometry	3+0
Computer Programming	2+1
Management Sciences Elective I	3+0
Human Anatomy & Physiology	3+1
Understanding of Holy Quran-II	0+1
Workshop Practice	0+1

Semester 3

Biochemistry	2+1
Digital Logic Design	2+1
Electrical Circuit Analysis	2+1
Linear Algebra & Differential Equation	3+0
Social Sciences Elective I	2+0
Social Sciences Elective II	3+0

Semester 4

Biomechanics	2+1
Signals and Systems	2+1
Molecular Biology	3+0
Microprocessors and Microcontrollers	2+1
Electronic Devices and Circuits	2+1
Management Science Elective II	3+0

Semester 5

Biomaterials	2+1
Biomedical Control Systems	2+1
Biomedical Instrumentation	3+1
Pakistan Studies	2+0
Technical Report Writing	2+0
Biomedical Signal Processing	2+1

Semester 6

Clinical Laboratory Equipment	2+1
Probability and Statistics	2+0
Medical Imaging Devices	2+1
Regulatory framework for Medical Devices	2+0
Electromechanical Systems	2+1
Project-I	0+3

Semester 7

Artificial Intelligence application in Biomedical	2+1
Healthcare Management	2+0
Bioinformatics	2+0
Telemedicine Systems	2+1
Project-II	0+3
Rehabilitation Techniques	2+0

Semester 8

Supervised Industrial Training	0+16
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BS

Computer System

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc Pre-Engineering/Pre-Medical/ICS/DAE or Equivalent with 50% Marks + Entry Test

Semester 1

Understanding of Holy Quran-I	0+1
English Composition and Comprehension	2+0
Applied Physics	2+1
Introduction to Computer system	2+1
Linear Circuit Analysis	3+1
Basic Mathematics	3+0

Semester 2

Understanding of Holy Quran-II	0+1
Digital Logic Design	2+1
Calculus and Analytical Geometry	3+0
Programming Fundamental	3+1
Islamic Studies / Ethics	2+0
Communication & Presentation Skills	3+0
Electronic Devices & Circuits	3+0

Semester 3

Linear Algebra	2+0
Computer Organization and Assembly Language	3+1
Report Writing	3+0
Object Oriented Programming	3+1
Signal and Systems	3+0
Pakistan Studies	2+0

Semester 4

Data Structures and Algorithms	3+1
Software Engineering	3+0
Numerical Analysis and Computing	3+0
Microprocessor systems	3+1
Database System	3+1

Semester 5

Web system and technologies	3+0
Computer Networks	3+1
Embedded system	3+1
Probability and statistics	3+0
Theory of automata	3+0
Entrepreneurship	2+0
Operating System	3+1

Semester 6

Data communication	3+0
Artificial intelligence	3+1
Human computer interaction	3+0
Elective I	3+0
Elective II	3+0
Computer Communication Networks	3+0

Semester 7

Computer architecture	3+0
Distributed system	3+0
Elective III (Cyber Security)	3+0
Final Year project I	3+0
Elective IV Real time system	3+0

Semester 8

Parallel and cloud computing	3+0
Professional Practices in IT Elective V (Wireless Networks)	3+0
Final Year Project II	3+0
Machine learning & data mining	3+0





FACULTY OF ECONOMICS AND COMMERCE



Dean's Message

Welcome to the Faculty of Economics and Commerce, where we prepare future leaders to navigate the complexities of global trade and contribute to Pakistan's economic advancement. Our approach emphasizes experiential learning, equipping students with real-world knowledge and practical skills to excel in today's dynamic economic landscape.

In an era shaped by trade wars, evolving markets, and global economic shifts, the world needs strategic thinkers and economic scientists who can develop innovative solutions. At Superior University, we help you become one. Guided by our foreign-trained faculty, you will develop the ability to think globally, act locally, and drive meaningful change.

We offer an unmatched combination of academic excellence, practical exposure, and critical skills essential for sound economic decision-making. Our faculty members actively engage in policy discussions and collaborate with top industry leaders, including multinational executives, entrepreneurs, and policymakers. These partnerships not only enrich your learning experience but also create opportunities for applied research and industry-driven insights.

By fostering strong ties between academia and the business community, we ensure that our students and scholars are prepared to shape the future of economics and commerce—both in Pakistan and on the global stage.

Dr. Salman Masood Sheikh

- Ph.D Economics
- Ph.D Commerce
- MS Accounting and Finance
- M.Phil Commerce and Finance
- M.Phil Economics
- BS Fintech
- BS Economics with Data Science
- BS Commerce
- BS E-Commerce
- BS Accounting and Finance
- BS Islamic Banking and Finance
- ADP Accounting and Finance

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Dr. Zubair Arshad	Mr. Muhammad Yasir
Dr. Mehwish Zafar	Ms. Sakheela Raees
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Mr. Kashif Noor	Ms. Hareem
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Mr. Umar Zia	Mr. Muhammad Ahmad Kamran
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Mr. Muhammad Waris	Mr. Muhammad Riaz
Ms. Humna Arshad	Mr. Shahbaz Tufail
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Ms. Nadia Irshad	Ms. Mehwish Zulfiqar
Mr. Muhammad Latif	Mr. Pirzada Junaid Ahmed
Mr. Asif Fayyaz	Ms. Tayyaba Mehmood
Mr. Junaid Arshad	Mr. Junaid Subhani
Ms. Saima	Mr. Ahmad Ilyas
Mr. Imtiaz Hussain	Ms. Javaria Tayab
Mr. Munawar	Ms. Abira Shafique
Mr. Muhammad Usman Siddiqui	Mr. Tariq Iqbal

Ph.D

Economics

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

18 years of education with a minimum CGPA of 3.0 out of 4.0 or equivalent
Meeting requirements as specified by the HEC

Semester 1

Public Policy Analysis	3
Academic Writing	3
Advanced Business Research Methods	3
Fehm-e-Quran - I	1

Semester 2

Advance Quantitative Data Analysis and Interpretation	3
Fehm-e-Quran - II	1
Doing Qualitative Research	3
Researching and Writing Ph.D Dissertation	3

Semester 3, 4, 5 & 6

Comprehensive Stage	0
Dissertation / Thesis	30
Proposal Defence Stage	0
Paper Publication Stage	0
Thesis Final Defence Stage	0

M.Phil

Economics

Course Duration	2 Years
Semesters	4
Total Credit Hours	38

Eligibility

MA/M.Sc. Economics/ BS Economics/ M.B. Econ./ M.Com/
16 years of relevant field Education or Equivalent

Semester 1

Basic Econometrics	3
Advanced Research Methods for Economics	3
Advance Micro Economics	
Islamic Economics & Finance	3
Fehm-e-Quran - I	3
	3
	1

Semester 2

Data Analysis in Economics	3
Advance Macro Economics	1
International Economics	3
Advance Econometrics	3
Fehm-e-Quran - II	3

Semester 3

Thesis	6
Theories, Perspectives and Trends in Economics	3

Ph.D

Commerce

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

18 years of education with a minimum CGPA of 3.0 out of 4.0 or equivalent
Meeting requirements as specified by the HEC

Semester 1

Advanced Business Research Methods	3
Public Policy Analysis	3
Academic Writing	3
Fehm-e-Quran - I	1

Semester 2

Advanced Quantitative Data Analysis and Interpretation	3
Doing Qualitative Research	3
Researching and Writing Ph.D Dissertation	3
Fehm-e-Quran - II	1

Semester 3 & 4

Comprehensive Stage	0
Thesis	30

M.Phil

Commerce & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	35

Eligibility

B. Com (Hons), BBA, BS Accounting and Finance, M. Com, BS Islamic Banking and Finance, BS Risk and Insurance, MSc Accounting and Finance, ICMA, CA, 16 Years of Education or Equivalent

Semester 1

Basic Econometrics	3
Advanced Research Methods for Commerce	3
Seminars in Research	3
Fehm-e-Quran - I	1
Theories, Perspectives and Trends in commerce	3

Semester 2

Advance Econometrics	3
Project Management	3
Corporate Governance	3
Fehm-e-Quran - II	1
Data Analysis in Commerce	3

Semester 3

Thesis	6
Islamic Economics and Finance	3

MS

Accounting & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	38

Eligibility

B. Com (Honors), BBA (Honors), BS Accounting and Finance, M. Com BS, Islamic Banking and Finance, BS Risk and Insurance, MSc Accounting and Finance or Equivalent.

Qualify GAT General Test (NTS) with 50% or GAT General Test (University) with 60%

Semester 1

Basic Econometrics	3
Advanced Research Methods for Accounting & Finance	3
Islamic Economics and Finance	3
Seminars in Research	3
Theories, Perspectives and Trends in Accounting & Finance	3
Fehm-e-Quran - I	1

Semester 2

Strategic Financial Management	3
Advanced Corporate and Financial Reporting	3
Management Accounting and Performance Appraisal	3
Global Banking and Financial Market	3
Data Analysis in Accounting & Finance	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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BS

Commerce

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Business Studies	3
Islamic Studies	2
Functional English	3
Applications of Information and Communication Technologies (Theory)	2
Business Mathematics	3
Business Economics	3
Applications of Information and Communication Technologies (LAB)	1
Fehm-e-Quran - I	1

Semester 2

Business Statistics	3
Corporate & Business Law	3
Principles of Management	3
Expository Writing	3
Pakistan Studies	2
Fundamentals of Accounting	3
Fehm-e-Quran - II	1

Semester 3

Financial Accounting	3
Ideology and Constitution of Pakistan	2
Communication Skills And Personality Development	3
Cost Accounting	3
Environmental Science	3
Digital Marketing	3

Semester 4

Financial Reporting	3
Business Taxation	3
Foreign Language	2
Contemporary issues of Pakistan Economy	3
Principles of Auditing	3
Econometrics	2

Semester 5

Islamic Banking And Finance	3
Introduction to Business Finance	3
Advance Financial Reporting	3
Introduction to Philosophy	3
Social Entrepreneurship Program	3
Accounting Information System	3

Semester 6

Financial Management	3
Performance Management	3
Business Research Methods	3
ERP in Business and Commerce	3
Financial and Regulatory Institutions	3
Entrepreneurship	3

Semester 7

Quantitative Techniques in Business	3
Advanced Performance Management	3
Project Management and Planning	3
Supply Chain Management	3
Final Year Project - I	3

Semester 8

Financial Statement Analysis	3
Investment Analysis and Portfolio Management	3
Public Finance	3
Risk Management	3
Banking Operations and Practices	3
Final Year Project - II	3

BS

Accounting & Finance

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Functional English	3
Applications of Information and Communication Technologies (Theory)	2
Business Mathematics	3
Islamic Studies	2
Applications of Information and Communication Technologies (LAB)	1
Fehm-e-Quran - I	1
Business Studies	3
Business Economics	3

Semester 2

Expository Writing	3
Business Statistics	3
Pakistan Studies	2
Fundamentals of Accounting	3
Principles of Management	3
Corporate & Business Law	3
Fehm-e-Quran - II	1

Semester 3

Ideology and Constitution of Pakistan	2
Financial Accounting	3
Cost Accounting	3
Business Communication and Report Writing	3
Digital Marketing	3
Environmental Sciences	3

Semester 4

Auditing & Internal Control	3
Economic Development of Pakistan	3
Business Taxation	3
Corporate Reporting	3
Foreign Language	2
Econometrics	2

Semester 5

Advanced Corporate Reporting	3
Islamic Banking and Finance	3
Introduction to Business Finance	3
Introduction to Philosophy	3
Social Entrepreneurship Program	3
Accounting Information System	3

Semester 6

Entrepreneurship	3
Financial Management	3
Business Research Methods	3
Performance Management	3
ERP in Accounting and Finance	3
Financial and Regulatory Institutions	3

Semester 7

Organizational Behavior and Leadership Skills	3
Final Year Project - I	3
Advanced Performance Management	3
Quantitative Techniques in Business	3
Project Management and Planning	3

Semester 8

Risk Management	3
Corporate Governance	3
Financial Statement Analysis	3
Final Year Project - II	3
Investment Analysis and Portfolio Management	3
Banking Operations & Practices	3

BS

Economics with Data Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Islamic Studies	2
Functional English	3
Mathematics - II	3
Microeconomics - I	3
Applications of Information and Communication Technologies (Theory)	2
Business Studies	3
Applications of Information and Communication Technologies (LAB)	1
Fehm-e-Quran - I	1

Semester 2

Macroeconomics - I	3
Statistics - I	3
Development Economics	3
Monetary Economics	3
Expository Writing	3
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 3

Ideology and constitution of Pakistan	2
Statistics - II	3
Microeconomics - II	3
Environmental Science	3
Communication Skills and Personality Development	3
Digital Marketing	3

Semester 4

Principles of Management	3
Macroeconomics - II	3
Mathematics - II	3
Introduction to Data Science	3
Business Taxation	3
Foreign Language	2

Semester 5

Introduction to Game Theory	3
Managerial Economics	3
Islamic Economics & Finance	3
Data Mining - I	3
Introduction to Philosophy	2
Social Entrepreneurship Program	3

Semester 6

Econometrics - I	3
Entrepreneurship	3
Human Resource Management	3
Data Mining - II	3
Contemporary issues of Pakistan Economy	3
Business Research Methods	3

Semester 7

Econometrics - II	3
Final Year Project - I	3
Data Visualization	3
Advance Mathematical Economics	3
Financial Economics	3
Quantitative Techniques in Business	3

Semester 8

Final Year Project - II	3
Public Sector Economics	3
International Economics	3
Public Finance	3
International Finance	3

BS

Islamic Banking and Finance

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Functional English	3
Islamic Studies	2
Applications of Information and Communication Technologies (Theory)	2
Business Mathematics	3
Fehm-e-Quran - I	1
Business Studies	3
Islamic Economics	3
Applications of Information and Communication Technologies (LAB)	1

Semester 2

Expository Writing	3
Business Statistics	3
History of Islamic Business and Trade	3
Pakistan Studies	2
Fundamentals of Accounting	3
Corporate & Business Law	3
Fehm-e-Quran - II	1

Semester 3

Financial Accounting	3
Ideology and Constitution of Pakistan	2
Business Communication and Report Writing	3
Islamic Banking and Finance	3
Environmental Sciences	3
Digital Marketing	3

Semester 4

Cost Accounting	3
Accounting for Islamic Financial Institutions	3
Auditing & Internal Control	3
Economic Development of Pakistan	3
Foreign Language	2
Econometrics	2

Semester 5

Principles of Islamic Jurisprudence	3
Islamic Capital Market	3
Introduction to Business Finance	3
Shariah Accounting Standard	3
Introduction to Philosophy	3
Social Entrepreneurship Program	3

Semester 6

Entrepreneurship	3
Takaful/Islamic Insurance	3
Shariah Auditing	3
Islamic Microfinance	3
Business Research Methods	3
Islamic Financial and Regulatory Institutions	3

Semester 7

Advanced Islamic Jurisprudence	3
Final Year Project - I	3
Quantitative Techniques in Business	3
Project Management and Planning	3
Organizational Behavior and Leadership Skills	3

Semester 8

Islamic SME Financing	3
Final Year Project - II	3
Islamic Product Development	3
Corporate & Shariah Governance	3
Risk Management in Islamic Institutions	3
Banking Operations & Practices	3

BS

E-Commerce

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Functional English	3
Applications of Information and Communication Technologies (Theory)	2
Islamic Studies	2
Business Mathematics	3
Applications of Information and Communication Technologies (LAB)	1
Business Economics	3
Business Studies	3
Fehm-e-Quran - I	1

Semester 2

Expository Writing	3
Introduction to E-Commerce	3
Business Statistics	3
Pakistan Studies	2
Programming Fundamentals (Theory)	2
Programming Fundamentals (Lab)	1
Fundamentals of Accounting	3
Fehm-e-Quran - II	1

Semester 3

Financial Accounting	3
Ideology and Constitution of Pakistan	2
Cost Accounting	3
E-Commerce Product Hunting	3
Environmental Sciences	3
Object Oriented Programming (Theory)	2
Object Oriented Programming (Lab)	1

Semester 4

Introduction to Psychology	2
Database Systems (Theory)	2
Database Systems (Lab)	1
Business Taxation	3
Principles of Management	3
E-Commerce Web Development	3
Principles of Auditing	3

Semester 5

E-Store Development and Payment Gateway	3
Digital Marketing	3
Financial Management	3
Civics and Community Engagement	3
Financial Reporting	3
Business Finance	3

Semester 6

Entrepreneurship	3
Performance Management	3
Supply Chain Management	3
Business Research Methods	3
Mobile Application Development	3
SEO & SMO Strategies in Ecommerce	3

Semester 7

Final Year Project - I	3
Freelancing Management	3
Foreign Language	2
Artificial Intelligence in Business	3
Islamic Banking and Finance	3
Financial and Regulatory Institutions	3

Semester 8

Final Year Project - II	3
Online Consumer Behaviour	3
Quantitative Techniques in Business	3
Business Ethics and Cyber Law	3
Banking Operations & Practices	3

BS

in Fintech

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

Intermediate or Equivalent

Semester 1

Islamic Studies	2
Functional English	3
Applications of Information and Communication Technologies (Theory)	2
Introduction to Fintech	3
Business Mathematics	3
Business Studies	3
Applications of Information and Communication Technologies (LAB)	1
Fehm-e-Quran - I	1

Semester 2

Expository Writing	3
Business Statistics	3
Pakistan Studies	2
Fundamentals of Accounting	3
Principles of Management	3
Programming Fundamentals (Lab)	1
Programming Fundamentals (Theory)	2
Fehm-e-Quran - II	1

Semester 3

Financial Accounting	3
Ideology and Constitution of Pakistan	2
Communication Skills and Personality Development	3
Cost Accounting	3
Object Oriented Programing (Lab)	1
Object Oriented Programing (Theory)	2
Environmental Science	3

Semester 4

Business Economics	3
Business Taxation	3
Introduction to Database System (Lab)	1
Introduction to Database System (Theory)	2
Introduction to Philosophy	3
Foreign Language	2
Econometrics	2

Semester 5

Accounting Information System	3
Islamic Banking and Finance	3
Social Entrepreneurship Program	3
Digital Currency & Block Chain	3
AI in Finance	3
Introduction to Business Finance	3

Semester 6

Financial and Regulatory Institutions	3
Financial Management	3
Entrepreneurship	3
Business Research Methods	3
ERP in Finance	3
FinTech Application Design	3

Semester 7

Data Analytical for Finance	3
Machine Learning & Data Mining	3
Final Year Project – I	3
Cyber Security in Finance	3
Digital Marketing	3

Semester 8

Financing the Future: Tech-Driven Solutions for Capital Acquisition	3
Investment Analysis and Portfolio Management	3
Financial Modeling & Analysis	3
Risk Management	3
Final Year Project – II	3
Banking Operations & Practices	3

Associate Degree in Accounting & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	69

Eligibility

Intermediate or Equivalent

Semester 1

Islamic Studies	2
Functional English	3
Business Economics	3
Business Studies	3
Business Mathematics	3
Applications of Information and Communication Technologies (Lab)	1
Applications of Information and Communication Technologies (Theory)	2
Fehm-e-Quran - I	1

Semester 2

Business Statistics	3
Corporate & Business Law	3
Expository Writing	3
Pakistan Studies	2
Fundamentals of Accounting	3
Principles of Management	3
Fehm-e-Quran - II	1

Semester 3

Ideology and Constitution of Pakistan	2
Cost Accounting	3
Financial Accounting	3
Environmental Science	3
Social Entrepreneurship Program	3
Digital Marketing	3

Semester 4

Financial Reporting	3
Entrepreneurship	3
Business Taxation	3
Principles of Auditing	3
Foreign Language	2
Econometrics	2





FACULTY OF MEDICAL SCIENCES



Dean's Message

It gives me immense pleasure to introduce the Faculty of Medical Sciences at Superior University, Lahore. With a proud legacy of academic excellence, Superior has earned its reputation as a leading institution in higher education and is now expanding its horizons to serve the healthcare needs of Pakistan.

From the academic session 2022-23, Azra Naheed Medical College at Superior University has adopted the Integrated Modular System for the MBBS program. We believe this progressive approach will nurture future doctors with enhanced clinical competency, practical skills, and a professional, patient-centered mindset.

At the Faculty of Medical Sciences, our mission is to transform healthcare education by fostering research culture, critical thinking, and innovation. Through this system, we go beyond traditional curricula, placing a strong emphasis on specialized research and global exposure. Our students benefit from an engaging, supportive learning environment enriched with co-curricular activities that develop both their personal and professional abilities.

With the grace of Allah Almighty, our institute is committed to providing world-class learning facilities, international collaborations, and context-based research that address the healthcare challenges of today. Our forward-thinking postgraduate programs will further enhance our contribution to medical education and research.

I am confident that the graduates of this esteemed faculty will embody ethical values, competence, and true professionalism. They will play a vital role in delivering healthcare services of international standards, making a meaningful difference in society.

May Allah Almighty guide and empower us to fulfill our responsibilities towards the youth and the future of healthcare in Pakistan. Ameen.

PROF. DR. MUHAMMAD AKBAR CHAUDHRY



- MBBS
- BDS

Prof. Dr. M. Akbar Chaudhry	Khan	Dr. Sanaulah	Dr. Sidra Asad
Prof. Dr. Muhammad Aslam	Dr. Muhammad Asif	Dr. Fareeha tariq	Dr. Hira Sikandar
Prof. Dr. Muhammad Asif Shahzad	Dr. Abrar ul Hassan Pirzada	Dr. Sana Shahzad	Dr. Muhammad Umair Malik
Prof. Dr. Ayma Syed	Dr. Muhammad Anwaar Alam	Dr. Ahzam Sohail	Dr. Khizer Mehmood
Prof. Dr. Muhammad Atif Qureshi	Dr. Usman Sana	Dr. Maira Saleem	Dr. Syed Muhammad Abdullah
Prof. Dr. Munaza Javed	Dr. Hina Sadaf	Dr. Hira Fatima	Dr. Irtiqa Saboor
Prof. Dr. Muhammad Shoaib	Dr. Bushra Iftikhar	Dr. Muhammad Tahir	Dr. Haseeb Khalid
Prof. Dr. Nazia Badar	Dr. Bisma Fatima Aslam	Dr. Junaid Saffi	Dr. Dur e Shumyle
Prof. Dr. Shumaila Zia	Dr. Fariha Sehrish	Dr. Ali Hassan	Dr. Iqra Rehman Alvi
Prof. Dr. Hafiz Muhammad Majid	Dr. Nida Javed	Dr. Muhammad Hassan	Dr. Syed Muhammad Ahmad
Jahangir	Dr. Saima Irum	Dr. Sh Javaid Nazir	Rahim
Prof. Dr. Muhammad Saeed	Dr. Sahar Iqbal	Dr. Faiza Ishtiaq	Dr. Aysha Tariq
Prof. Dr. Abdul Rasheed Qamar	Dr. Farah Waseem	Dr. Moneeb Ali	Dr. Syeda Azka Aamer
Prof. Dr. Zafar Iqbal	Dr. Summia Khan	Dr. Sara Nasir	Dr. Shahana Kousar
Prof. Dr. Babar Hussain Khan	Dr. Nauman Ismat Butt	Dr. Muhammad Zeeshan Alam	Dr. Tehreem Khalid
Prof. Dr. Iqbal Ahmad Azhar	Dr. Zaid Tayyab	Khan	Dr. Ahmed Mujtaba
Prof. Dr. Shabbir Ahmad	Dr. Muhammad Faisal Rana	Dr. Ghulam Abbas	Dr. Easha Tahir Butt
Prof. Dr. Zaheer Anjum Sherazi	Dr. Kashif Haroon	Dr. Faiza Arshad	Dr. Rahmah Kashif
Prof. Dr. Muhammad Fiaz	Dr. Khalid Mahmood	Dr. Amna Riasat	Dr. Hafsa Qayyum
Prof. Dr. Amber Malik	Dr. Ammad Jawed	Dr. Taimoor Asghar	Dr. Momal Ahmad
Prof. Dr. Nasir Iqbal	Dr. Mariam Rabya Sultana	Dr. Zeeshan Akbar	Dr. Nida Habib
Prof. Dr. Zahra Haider Bokhari	Dr. Mariya Javed	Dr. Saira Sundas	Dr. Abdullah Tauqeer
Prof. Dr. Sofia Amjad	Dr. Munawar Manzoor Ali	Dr. Taiiba Munir Rana	Dr. Saad Saleem Baig
Prof. Dr. Saboohi Saeed	Dr. Ambreen Nawaz	Dr. Ridda Akbar	Dr. Talal Ejaz
Prof. Dr. Fakhar un Nisa	Dr. Mehreen Khaliq	Dr. Sundus Israr	Dr. Ummara Mehmood
Prof. Dr. Najma Naz	Dr. Saima Zareen	Dr. Zaeema Najeeb	Dr. Natalia Ashraf
Prof. Dr. Naseem Saud Ahmad	Dr. Junaid Altaf	Dr. Mehwish Niazi	Dr. Osama Rehman
Prof. Dr. Iram Alia	Dr. Wajahat Amir	Dr. Muhammad Auangzeb	Dr. Baher Tarik
Prof. Dr. Tahir Nazeer	Dr. Sabeen Aftab	Dr. Sehrish Gull	Dr. Iqra Yousaf
Prof. Dr. Sarosh Majid	Dr. Aniq Anser Tufail	Dr. Anam Khan	Dr. Nida Rasheed
Prof. Dr. Khalil Ur Rehman	Dr. Wajahat Amir	Dr. Rabia Afzal Malik	Dr. Noman Tariq
Prof. Dr. Muhammad Munir	Dr. Ch. Muhammad Aqeel	Dr. Muqheet Anwar	Dr. Shahzada Faiz Ahmad Khan
Prof. Dr. Naseer Ahmad Chaudhry	Dr. Ahmed Siddique Ammar	Dr. Sehar Rana	Dr. Muhamamd Zubair Ahmad
Prof. Dr. Muhammad Zahid Latif	Dr. Maham Qazi	Dr. Hamna Ejaz	Khan
Prof. Dr. Rizwan Saeed	Dr. Iffat Hamid	Dr. Abdul Sattar	Dr. Khushboo Shahbaz
Prof. Dr. Saima Rubab Khan	Dr. Arooj Fatima	Dr. M. Saleem Hassan	Dr. Maleeha Naseer
Prof. Dr. Naveed Inayat	Dr. Hafiza Naveeda Khurshid	Dr. Muhammad Azam Javaid	Dr. Hina Naz Naseem
Dr. Faiza Irshad	Dr. Hafiz Ateeq Ur Rehman	Dr. Ahmad Rafiq Chudhary	Dr. Aisha Akbar
Dr. Muhammad Shakil Zar e	Dr. Farooq Malik	Dr. Ghulam Abbas	Dr. Abdullah Karamat
Khawari	Dr. Danyal Anwar Shiraz	Dr. Faiza Arshad	Ms. Jawairia Saleem
Dr. Asma Inam	Dr. Muhammad Ashraf	Dr. Amna Riasat	
Dr. Aliya Aslam Butt	Dr. Abrar Hussain Shah	Dr. Taimoor Asghar	
Dr. Najma Shoaib	Dr. Waheed Ahmad	Dr. Muhammad Moeed Haider	
Dr. Tayyaba Azhar	Dr. Tahir Yusuf	Naqvi	
Dr. Humaira Alam	Dr. Muhammad Ammar	Dr. Sheharyar Awan	
Dr. Huma Tahseen	Dr. Hafiz Hamad Ashraf	Dr. Hafsa Abdul Aleem	
Dr. Rashida Sultana	Dr. Sehrish Sarwar	Dr. Ammarah Mahmood	
Dr. Shabnum Sibtain	Dr. Azib ali	Dr. Afifa Arshad	
Dr. Saeed Taj Din	Dr. Tuba Tariq	Dr. Syeda Zakia	
Dr. Osama Habib	Dr. Asad Mehmood	Dr. Madiha Hussain	
Dr. Aysha Jamil	Dr. Rafia Masood	Dr. Maryam Tariq	
Dr. Muhammad Azhar Waheed	Dr. Mahnoor Khan		



Principal's Message

It gives me immense pleasure to introduce Azra Naheed Medical College, Lahore, a proud constituent of Superior University, chartered under ACT XVI of 2004 by the Provincial Assembly of Punjab. Since its establishment in January 2011, the college has rapidly flourished with state-of-the-art infrastructure and an inspiring academic environment.

As the flagship project of Superior University in the field of medical sciences, Azra Naheed Medical College is committed to transforming healthcare education in Pakistan by fostering research-driven learning and nurturing progressive mindsets. We are among the pioneering institutions to adopt the Integrated Modular System, a globally recognized approach that has produced promising outcomes. This system equips students with advanced clinical skills, critical thinking abilities, and deeper conceptual understanding, laying the foundation for competent, ethical, and compassionate healthcare professionals.

Our curriculum goes beyond conventional education by placing a strong emphasis on research, global exposure, and hands-on training. Through co-curricular activities and a supportive academic environment, our students develop both professional excellence and personal growth.

With a clear focus on international collaborations and context-based research, we are building an institution that meets the evolving demands of healthcare in Pakistan and beyond. Our innovative postgraduate programs are designed to address contemporary challenges and equip graduates with specialized knowledge and skills to lead in the medical profession.

I firmly believe that the graduates of Azra Naheed Medical College will not only demonstrate competence and professionalism but will also contribute significantly to providing healthcare services of international standards, benefitting both society and humanity at large.

I pray to Allah Almighty for the strength, wisdom, and dedication to fulfill our shared responsibility towards the youth of Pakistan and to continue shaping a healthier, brighter future for all. Ameen.

PROF. DR. MUHAMMAD ASLAM

PRINCIPAL - AZRA NAHEED MEDICAL COLLEGE

MBBS

Course Duration 5 Years

Eligibility

As per PMDC Eligibility Criteria

1st Year

Foundation Module
Locomotor Module
Blood & Immunology Module
Cardiovascular Module-1
Respiratory Module -1

2nd Year

Gastrointestinal Module
Excretory Module
Reproduction Module
Endocrinology Module-1
Neurosciences Module
Head & Neck Module
Infectious Diseases Module-1
Neoplasia Module

3rd Year

Therapeutics Pharmacology Module-1
Infectious Diseases Module-2
Hematology Module-2
Nervous System & Psychiatry Module
Endocrinology Module-2
Anaesthesia & Critical Care Module
Respiratory Module-2
Orthopaedics & Trauma Module-2
Excretory Module -2
Therapeutics Pharmacology Module -2

4th Year

Eye Module
ENT Module
Gastrointestinal Module- 2
Cardiovascular Module -2
Maternal & Newborn Module
Dermatology Module
Clerkships

5th Year

Clerkships
Medicine & Allied
Surgery & Allied
Paediatrics
Gynae & Obs
Family Medicine
Emergency Medicine



Principal's Message

It is indeed an honour and privilege for me, as the Principal of Azra Naheed Dental College (ANDC), a proud constituent of Superior University Lahore, to welcome you to an institution founded with the vision of becoming a premier centre for dental education, research, and innovation in the region. Today, I am pleased to share that ANDC stands among the most recognised private dental colleges in Pakistan.

ANDC offers academic opportunities that few institutions can match. With a strong focus on excellence in education, research, and student development, our learning environment is designed to nurture professional and personal growth. Our highly qualified, experienced, and dedicated faculty delivers evidence-based, world-class education through diverse teaching methodologies, including haptic technology, blended learning, and small-group discussions, complementing traditional lectures.

Our students benefit from an exceptionally broad and diverse clinical experience, dealing with patients from varied cultures and backgrounds. This exposure, coupled with early clinical training and a student-centred curriculum, equips them with the skills, confidence, and ethical grounding essential for success in modern dental practice.

We take pride in our steady progress and achievements, made possible through the unwavering commitment of our management, faculty, and students. Alongside our undergraduate BDS program, we are actively working to introduce postgraduate programs in both basic and clinical dental sciences, ensuring that our graduates continue to lead in academic, research, and professional domains.

With a commitment to innovation, research excellence, and social responsibility, ANDC is dedicated to producing qualified, ethical, and competent dental surgeons who will contribute meaningfully to healthcare and play their part in building an economically Superior Pakistan.

I pray to Allah Almighty for the strength, wisdom, and dedication to fulfil our responsibilities toward our students and the nation. Ameen.

PROF. DR. MUHAMMAD ASIF SHAHZAD

PRINCIPAL - AZRA NAHEED DENTAL COLLEGE

BDS

Course Duration	4 Years
Semesters	Annual System

Eligibility

As per PMDC Eligibility Criteria

1st Year

Foundation Module
Craniofacial & Cervical Module
Odontology Module
Gastrointestinal Tract & Nutrition Module
Haematology Module
Cardiopulmonary System Module

2nd Year

CNS Module
Renal & Endocrine Dynamics Module
Immunity Module
Infection Module
Caries Continuum Module
Oncology & Genetics Module

3rd Year

Diseases of Oral Cavity Module
Trauma Module
Oral & Periodontal Care Module

4th Year

Clerkships
Oral and Maxillofacial Surgery
Operative Dentistry
Prosthodontics
Orthodontics



M.Phil

Eastern Medicine

Course Duration	3 Years
Semesters	6
Total Credit Hours	32

Eligibility

MS. Eastern Medicine . Bachelor of Eastern Medicine, MBBS, BDS, Pharm-D and Doctor of Physical Therapy. Minimum Marks: 50% Marks or 2.5 CGPA. Qualifying University graduate assessment test with at least 50% marks is compulsory plus interview.

Semester 1

Principles of Medicine	3
Therapeutics-I	3
Molecular drug design	3
Internal Medicine-I	3
Fehm-e-Quran - I	1

Semester 2

Biostatistics	3
Therapeutics-II	3
Advanced Biochemical Techniques	3
Internal Medicine-II	3
Fehm-e-Quran - II	1

Semester 3

Research Work and Thesis	6
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BEMS

Bachelor of Eastern Medicine and Surgery

Course Duration	5 Years
Semesters	10
Total Credit Hours	230

Eligibility

FSc. Pre-Medical or Equivalent with minimum 50% marks or as per the policy of NCT

Semester 1

Anatomy-I (Theory)	3
Anatomy-I (Lab)	1
Physiology-I (Theory)	3
Physiology-I (Lab)	1
Biochemistry-I (Theory)	3
Biochemistry-I (Lab)	1
Principles of Eastern Medicine-I (Theory)	3
Principles of Eastern Medicine-I (Lab)	1
History of Eastern Medicine-I	3
Islamic Studies	3
English I	3
Fehm-e-Quran - I	1

Semester 2

Anatomy-II (Theory)	3
Anatomy-II (Lab)	1
Physiology-II (Theory)	3
Physiology-II (Lab)	1
Biochemistry-II (Theory)	3
Biochemistry-II (Lab)	1
Principles of Eastern Medicine-II (Theory)	3
Principles of Eastern Medicine-II (Lab)	1
History of Eastern Medicine-II	3
Pakistan Studies	3
English II	3
Fehm-e-Quran - II	1

Semester 3

Anatomy-III (Theory)	3
Anatomy-III (Lab)	1
Physiology-III (Theory)	3
Physiology-III (Lab)	1
Biochemistry-III (Theory)	3
Biochemistry-III (Lab)	1
Principles of Eastern Medicine-III (Theory)	3
Principles of Eastern Medicine-III (Lab)	1
Pharmacognosy-I (Theory)	3
Pharmacognosy-I (Lab)	1

Semester 4

Anatomy-IV (Theory)	3
Anatomy-IV (Lab)	1
Physiology-IV (Theory)	3
Physiology-IV (Lab)	1
Biochemistry-IV (Theory)	3
Biochemistry-IV (Lab)	1
Principles of Eastern Medicine-IV (Theory)	3
Principles of Eastern Medicine-IV (Lab)	1
Pharmacognosy-II (Theory)	3
Pharmacognosy-II (Lab)	1
Bioinformatics (Theory)	3
Bioinformatics (Lab)	1

Semester 5

Pharmacy-I (Lab)	1
Pathology-I (Theory)	3
Pathology-I (Lab)	1
Materia Medica-I (Theory)	3
Materia Medica-I (Lab)	1
Pharmacy-I (Theory)	3
Pharmacognosy-III (Theory)	3
Pharmacognosy-III (Lab)	1
Medicine - I (Theory)	3
Medicine - I (Lab)	1
Community Medicine (Theory)	3
Community Medicine (Lab)	1

Semester 6

Pharmacy-II (Theory)	3
Pharmacy-II (Lab)	1
MBS602310 - Microbiology and Parasitology-II (Theory)	3
Microbiology and Parasitology-II (Lab)	1
Materia Medica-II (Theory)	3
Materia Medica-II (Lab)	1
Pharmacognosy-IV (Theory)	3
Pharmacognosy-IV (Lab)	1
MBS603410 - Forensic Medicine and Toxicology (Theory)	3
Forensic Medicine and Toxicology (Lab)	1
Medicine - II (Theory)	3
Medicine - II (Lab)	1

Semester 7

Pathology-II (Theory)	3
Pathology-II (Lab)	1
Surgery-I (Theory)	2
Surgery-I (Lab)	1
Materia Medica-III (Theory)	3
Materia Medica-III (Lab)	1
Gynecology-I (Theory)	2
Gynecology-I (Lab)	1
Medicine - III (Theory)	3
Medicine - III (Lab)	1
MBS602390 - Clinical Psychology and Psychiatry (Theory)	3
Clinical Psychology and Psychiatry (Lab)	1

Semester 8

Pathology-III (Theory)	3
Pathology-III (Lab)	1
Surgery-II (Theory)	2
Surgery-II (Lab)	1
Medicine - IV (Theory)	3
Medicine - IV (Lab)	1
Gynecology-II (Theory)	2
Gynecology-II (Lab)	1
Materia Medica-IV (Theory)	3
Materia Medica-IV (Lab)	1

Semester 9

Pediatrics-I (Theory)	2
Pediatrics-I (Lab)	1
Ophthalmology (Theory)	2
Ophthalmology (Lab)	1
Obstetrics-I (Theory)	2
Obstetrics-I (Lab)	1
Surgery-III (Theory)	2
Surgery-III (Lab)	1
Clinical Diagnostics-I (Theory)	3
Clinical Diagnostics-I (Lab)	1
Final Year Project-1	3
Medicine - V (Theory)	3
Medicine - V (Lab)	1

Semester 10

Pediatrics-II (Theory)	2
Pediatrics-II (Lab)	1
ENT (Theory)	2
ENT (Lab)	1
Obstetrics-II (Theory)	2
Obstetrics-II (Lab)	1
Surgery-IV (Theory)	2
Surgery-IV (Lab)	1
Clinical Diagnostics-II (Theory)	3
Clinical Diagnostics-II (Lab)	1
Medicine - VI (Theory)	3
Medicine - VI (Lab)	1
Final Year Project-2	3



FACULTY OF PHARMACY



Dean's Message

The Department of Pharmaceutical Sciences at Superior University blends globally recognised pharmacy practices with a forward-looking research culture to produce graduates equipped for the demands of the 21st century. Our unique entrepreneurial ecosystem empowers students with real-world learning, ensuring their education is both innovative and industry-relevant.

Our Superior Wellness Company (SWC) — an in-house pharmacy lab — offers hands-on, experiential learning, while the Hyatt Pharmacies chain provides professional training, preparing students for real-world pharmacy practice with confidence and competence.

A robust research culture and strong industry linkages further enrich the student experience, bridging the gap between academia and healthcare practice. Our vast alumni network of practicing pharmacists stands as a testament to our commitment to building meaningful academic-industry connections.

With state-of-the-art infrastructure, the Faculty of Pharmacy champions the essential role of pharmacists in healthcare, producing highly skilled, socially responsible, and patient-focused professionals who play an active role in improving health outcomes for communities.

We are proud to offer a comprehensive pharmacy education led by internationally trained faculty with a deep understanding of global healthcare trends. At the Faculty of Pharmacy, we prepare our graduates to lead with knowledge, integrity, and purpose — ready to make a difference in Pakistan's healthcare system and beyond.

Prof. Dr. Abu Bakar Munir

- PhD Pharmacology
- MPhil Pharmaceutics
- MPhil Pharmacology
- MPhil Eastern Medicine
- Doctor of Pharmacy
- Bachelor of Eastern Medicine and Surgery

Prof. Dr. Abu Bakar Munir
Dr. Shafiq Ali Shah
Prof. Dr. Shafiullah
Dr. Syed Ahmed Shah
Dr. Muhammad Zaeem Ahsan
Mr. Sheikh Manzoor Saeed
Mr. Muhammad Razi Ullah khan
Mr. Syed Muhammad Aun
Mr. Ahmed Umer Sohaib
Mr. Muhammad Tahir
Mr. Samie Ullah
Mr. Tassawer-e-Meran
Ms. Asma Fareed Khan
Ms. Sonia Tariq
Ms. Sania Muneer
Mr. Muhammad Arslan Amjad
Ms. Nosheen Mustafa
Ms. Iqrah Ashfaq
Ms. Kanwal Ashiq
Mr. Asif Yousaf
Mr. Muhammad Arshad
Ms. Tehreem Arshad
Ms. Shafaq Hamza
Mr. Farooq Ahmad

Mr. Hassan Shahid
Ms. Sadia Khalid
Mr. Rehan Mehmood

Ph.D

Pharmacology

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

M.Phil/MS or equivalent qualification recognized by HEC with minimum CGPA 3.0 or First Division in relevant subject.

The candidate has passed University Admission Test for PhD with minimum 70% marks. Those having valid GRE-Subject Test (with minimum 60 percentile score) or GAT (with minimum 60% marks) in relevant subject are exempted from University Admission Test for PhD.

Semester 1

Evaluation of Selected Pharmacological Activities	3
Toxicokinetic Studies and Metabolic Disorders	3
Computational Pharmacology	3
Fehm-e-Quran - I	1

Semester 2

Biochemical and Molecular Pharmacology	3
Research Methods in Pharmacology	3
Advanced Pharmacology	3
Fehm-e-Quran - II	1

Semester 3, 4, 5 & 6

Comprehensive Stage	0
Thesis	30
Proposal Defence Stage	0
Paper Publication Stage	0
Thesis Final Defence Stage	0

M.Phil

Pharmaceutics

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Doctor of Pharmacy Qualify GAT General Test (NTS) with 50% or GAT General Test (University) with 60%

Semester 1

Advanced Pharmaceutics I	3
PPP718120 - Research Methodology, Seminar and Project Writing	3
Biopharmaceutics & Pharmacokinetics	3
Biostatistics	3
Fehm-e-Quran - I	1

Semester 2

Formulation and product development	3
Advanced Pharmaceutics II	3
Pharmaceutical microbiology	3
Clinical Pharmacy	3
Fehm-e-Quran - II	1

Semester 3

Research Work and Thesis - I	3
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Semester 4

Research Work and Thesis - II	3
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M.Phil

Pharmacology

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Doctor of Pharmacy, MBBS and BDS Qualify GAT General Test (NTS) with 50% or GAT General Test (University) with 60%

Semester 1

Ethanopharmacology	3
System Pharmacology I	3
Research Methods in Pharmacology	3
Biostatistics	3
Fehm-e-Quran - I	1

Semester 2

System Pharmacology II	3
Chemotherapeutics	3
Molecular Pharmacology	3
Clinical Pharmacology and Toxicology	3
Fehm-e-Quran - II	1

Semester 3

Research Work and Thesis - I	3
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Semester 4

Research Work and Thesis - II	3
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Doctor of Pharmacy

Course Duration	5 Years
Semesters	10
Total Credit Hours	203

Eligibility

FSc (Pre-Medical) with 60% marks

Semester 1

English-A (Functional English)	2
Pharmaceutics-IA (Physical Pharmacy)-Theory	3
Pharmaceutics-IA (Physical Pharmacy)-Lab	1
Pharmaceutical Chemistry-IA (Organic)-Theory	3
Pharmaceutical Chemistry-IA (Organic)-Lab	1
Physiology-A-Theory	3
Physiology-A-Lab	1
Anatomy & Histology-Theory	3
Anatomy & Histology-Lab	1
Pharmaceutical Chemistry-IA (Biochemistry)-Theory	3
Pharmaceutical Chemistry-IA (Biochemistry)-Lab	1
Fehm-e-Quran - I	1

Semester 2

English-B (Communication and Writing Skills)	4
Pharmaceutics-IB (Physical Pharmacy)-Theory	3
Pharmaceutics-IB (Physical Pharmacy)-Lab	1
Pharmaceutical Chemistry-IB (Organic)-Theory	3
Pharmaceutical Chemistry-IB (Organic)-Lab	1
Physiology-B-Theory	3
Physiology-B-Lab	1
Pharmaceutical Chemistry-IB (Biochemistry)-Theory	3
Pharmaceutical Chemistry-IB (Biochemistry)-Lab	1
Fehm-e-Quran - II	1

Semester 3

Islamic Studies	3
Pharmaceutics-IIA (Dosage Form Science)-Theory	3
Pharmaceutics-IIA (Dosage Form Science)-Lab	1
Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)-Theory	3
Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)-Lab	1
Pharmacology and Therapeutics-IA-Theory	3
Pharmacology and Therapeutics-IA-Lab	1
Pharmacognosy-IA (Basic)-Theory	3
Pharmacognosy-IA (Basic)-Lab	1
Pharmacy Practice-IA (Pharmaceutical Mathematics)	3

Semester 4

Pakistan Studies	2
Pharmaceutics-IIB (Dosage Form Science)-Theory	3
Pharmaceutics-IIB (Dosage Form Science)-Lab	1
Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)-Theory	3
Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)-Lab	1
Pharmacology and Therapeutics-IB-Theory	3
Pharmacology and Therapeutics-IB-Lab	1
Pharmacognosy-IB (Basic)-Theory	3
Pharmacognosy-IB (Basic)-Lab	1
Pharmacy Practice-IB (Bio-statistics)	3

Semester 5

Pharmacy Practice-IIA (Dispensing Pharmacy)-Theory	3
Pharmacy Practice-IIA (Dispensing Pharmacy)-Lab	1
Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)-Theory	3
Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)-Lab	1
Pharmacology and Therapeutics-IIA-Theory	3
Pharmacology and Therapeutics-IIA-Lab	1
Pharmacognosy-IIA (Advanced)-Theory	3
Pharmacognosy-IIA (Advanced)-Lab	1
Pathology-Theory	3
Pathology-Lab	1

Semester 6

Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
Pharmacy Practice III (Computer and its Application in Pharmacy)-Theory	3
Pharmacy Practice III (Computer and its Application in Pharmacy)-Lab	1
Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis)-Theory	3
Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis)-Lab	1
Pharmacology and Therapeutics-IIB-Theory	3
Pharmacology and Therapeutics-IIB-Lab	1
Pharmacognosy-IIB (Advanced)-Theory	3
Pharmacognosy-IIB (Advanced)-Lab	1

Semester 7

Pharmacy Practice-IVA (Hospital Pharmacy)	3
Pharmaceutics-VA (Biopharmaceutics and Pharmacokinetics)-Theory	3
Pharmaceutics-VA (Biopharmaceutics and Pharmacokinetics)-Lab	1
Pharmacy Practice-VA (Clinical Pharmacy-I)-Theory	3
Pharmacy Practice-VA (Clinical Pharmacy-I)-Lab	1
Pharmaceutics-VIA (Pharmaceutical Quality Management)-Theory	3
Pharmaceutics-VIA (Pharmaceutical Quality Management)-Lab	1
Pharmaceutics-IVA (Industrial Pharmacy)-Theory	3
Pharmaceutics-IVA (Industrial Pharmacy)-Lab	1

Semester 8

Pharmacy Practice-IVB (Hospital Pharmacy)	3
Pharmaceutics-VB (Biopharmaceutics and Pharmacokinetics)-Theory	3
Pharmaceutics-VB (Biopharmaceutics and Pharmacokinetics)-Lab	1
Pharmacy Practice-VB (Clinical Pharmacy)-Theory	3
Pharmacy Practice-VB (Clinical Pharmacy)-Lab	1
Pharmaceutics-VIB (Pharmaceutical Quality Management)-Theory	3
Pharmaceutics-VIB (Pharmaceutical Quality Management)-Lab	1
Pharmaceutics-IVB (Industrial Pharmacy)-Theory	3
Pharmaceutics-IVB (Industrial Pharmacy)-Lab	1
Healthcare Entrepreneurship	3

Semester 9

Pharmaceutics-VIIA (Pharmaceutical Technology)-Theory	3
Pharmaceutics-VIIA (Pharmaceutical Technology)-Lab	1
Pharmacy Practice-VIA (Advanced Clinical Pharmacy II)-Theory	3
Pharmacy Practice-VIA (Advanced Clinical Pharmacy II)-Lab	1
Pharmacy Practice VIII A (Pharmaceutical Management & Marketing)	3
Pharmacy Practice-VIIA (Forensic Pharmacy)	3
Pharmaceutical Chemistry-IVA (Medicinal Chemistry)-Theory	3
Pharmaceutical Chemistry-IVA (Medicinal Chemistry)-Lab	1

Semester 10

Pharmaceutics-VIIB (Pharmaceutical Technology)-Theory	3
Pharmaceutics-VIIB (Pharmaceutical Technology)-Lab	1
Pharmacy Practice-VIB (Advanced Clinical Pharmacy II)-Theory	3
Pharmacy Practice-VIB (Advanced Clinical Pharmacy II)-Lab	1
PPP615110 - Pharmacy Practice-VIIB (Pharmaceutical Management and Marketing)	3
Pharmacy Practice-VIIB (Forensic Pharmacy)	3
Pharmaceutical Chemistry-IVB (Medicinal Chemistry)-Theory	3
Pharmaceutical Chemistry-IVB (Medicinal Chemistry)-Lab	1





FACULTY OF SCIENCES



Dean's Message

Welcome to the world of Sciences, At Superior University, “impossible” is not part of our scientific vocabulary. The Faculty of Sciences fosters more than knowledge — it cultivates curiosity, critical thinking, and an entrepreneurial mindset that pushes boundaries and fuels innovation.

Here, the principle of “Never Stop Questioning” lies at the heart of our academic philosophy, opening doors to new ideas, scientific exploration, and entrepreneurial opportunities for our students.

Science reveals the everyday miracles that shape our world — from food and energy to industry and healthcare. At Superior, we ensure you experience these wonders firsthand through Project-Based Learning and Outcome-Based Education, tailored to meet the demands of a fast-evolving global market.

In a world where knowledge can become obsolete overnight, our Faculty of Sciences serves as a gateway to infinite learning. We empower students to explore new horizons across diverse sectors, contributing to an economically Superior Pakistan.

Our internationally trained faculty, with extensive research credentials and numerous published works, ensures an evidence-based approach to learning. Within our entrepreneurial ecosystem, we nurture self-reliant, adaptable, and innovative individuals who think critically and act boldly — ready to shape the future.

DR. MUSARAT ULLAH AFRIDI

- PhD Biotechnology
- PhD Biochemistry
- MS Biotechnology
- MS Zoology
- MS Biochemistry
- MS Microbiology
- MS Botany
- MPhil Mathematics
- MPhil Chemistry
- MPhil Physics
- MPhil Statistics
- BS Microbiology
- BS Biotechnology
- BS Biochemistry
- BS Zoology
- BS Forensic Science
- BS Nanoscience and Technology
- BS Environmental Science
- BS Chemistry
- BS Mathematics
- BS Physics

Prof. Dr. Musarrat Ullah Afridi
 Prof. Dr. Muhammad Usman Hashmi
 Prof. Dr. Uqba Mehmood
 Prof. Dr. Malik Fateh Muhammad Awan
 Prof. Dr. Mumtaz Akhtar
 Dr. Hina Zain
 Dr. Syed Junaid Zaidi
 Dr. Fizza Naseem
 Dr. Rabia Nawaz
 Dr. Muhammad Rashad
 Dr. Muhammad Mudassir Iqbal
 Dr. Zia Ur Rehman
 Dr. Zahid Mir
 Dr. Qanitah Ama-Tul-Mughani
 Dr. Nazia Kanwal
 Dr. Samyia Abrar
 Dr. Attia Razzaq
 Dr. Nimra Tariq Butt
 Dr. Zeeshan Mahmood
 Dr. Saima Mushtaq
 Dr. Muhammad Asif
 Dr. Rabia Akhtar
 Dr. Fayyaz Ahmad
 Dr. Muhammad Atif
 Dr. Kanwal Akhtar
 Dr. Farzana Shahin
 Dr. Tasadduq Niaz
 Dr. Zara Jabeen
 Dr. Muhammad Adeel
 Dr. Nouman Ejaz
 Dr. A.D. Khalid
 Ms. Noor Ul Ain
 Mr. Aamer Ejaz Khan Niazi
 Mr. Hamza Khalid
 Ms. Aqsa Shahid
 Ms. Khadeeja Nasir
 Ms. Zohal Hassan

Mr. Rana Qadir Ul Hassan
 Mr. Muhammad Bilal
 Mr. Muazzam Ali
 Mr. Nasir Nadeem
 Mr. Abdul Manan
 Ms. Sidra Siddique
 Ms. Ifrah Bhatti
 Mr. Ammal Javed
 Mr. Allah Dita Khalid
 Ms. Neha Yaseen
 Ms. Maryam Rana
 Mr. Muhammad Ismail
 Mr. Waseem Aslam
 Ms. Rehana Badar
 Ms. Farah Younas
 Ms. Zunera Shoukat
 Mr. Sarmad Bashir
 Mr. Aamir Ali
 Ms. Iqra Asif
 Ms. Anum Khan
 Ms. Faiza Zaheer
 Ms. Aiman Ishfaq
 Mr. Muhammad Bilal Iqbal
 Mr. Muhammad Saad Khan
 Mr. Muhammad Ahmad
 Ms. Nida Sajid
 Ms. Sundas Nasir Chaudhary
 Mr. Ramzan Amjad
 Mr. Hafiz Farrukh Shehzad
 Mr. Waqar Shoaib
 Mr. Arshan Shaukat
 Ms. Anum Saleem
 Mr. Danish Zulfiqar
 Mr. Sajid Mahmood
 Mr. Rabia Khalid
 Mr. Muhammad Qadeer

Ph.D

Biochemistry

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

Minimum 3.0 GPA in the relevant field out of 4.0 GPA. Quality GAT subject (NTS) with 60% or GAT subject (University) with 70%.

Semester 1

Research Design & Statistics (Theory)	2
Research Design & Statistics (Lab)	1
Advanced Cellular & Molecular Biology	3
Bench to Commercialization	2
Journal Club/Seminar-I	1
Fehm-e-Quran - I	1

Semester 2

Advanced Techniques in Applied Biochemistry	1
Advanced Techniques in Applied Biochemistry	2
Journal Club/Seminar-II	1
Biotechnology Regulatory & Quality Systems	3
Creating a Biochemistry Business	2
Fehm-e-Quran - II	1

Semester 3, 4, 5 & 6

Comprehensive Stage	0
Dissertation	30
Paper Publication Stage	0
Thesis Final Defence Stage	0

List of Electives

Drug Development and Molecular Therapeutics	3
Cell Growth Control and Cancer Biology	3
Cell Receptors and Signaling Pathways	2
Computational Biology	3
DNA & Protein Sequencing	2
Drug Development and Molecular Therapeutics	3
Metabolism and Molecular Biochemistry	3
Regulation of Gene Expression	2

Ph.D

Biotechnology

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

Minimum 3.0 GPA in the relevant field out of 4.0 GPA. Quality GAT subject (NTS) with 60% or GAT subject (University) with 70%.

Semester 1

Research Design & Statistics for Biotechnology	2
Research Design & Statistics for Biotechnology (Lab)	1
Cellular & Molecular Biotechnology	3
Bench to Commercialization	2
Journal Club/Seminar - I	1
Fehm-e-Quran - I	1

Semester 2

Biotechnology Regulatory & Quality Systems	3
Advanced Techniques and their Applications in Biotechnology	1
Advanced techniques and their Applications in Biotechnology (Lab)	2
Creating a Biotechnology Venture	2
Journal Club/Seminar-II	1
Fehm-e-Quran - II	1

Semester 3, 4, 5 & 6

Comprehensive Stage	0
Dissertation	30
Paper Publication Stage	0
Thesis Final Defence Stage	0

List of Electives

Drug Development and Molecular Therapeutics	3
Cell Growth Control and Cancer Biology	3
Cell Receptors and Signaling Pathways	2
Cell and Developmental Biotechnology	3
Metabolism and Molecular Biotechnology	3
Regulation of Gene Expression	2
DNA & Protein Sequencing	2
Computational Biology	3

MS

Botany

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Research methodology & scientific writing	3
Recent trends in botany	3
Advanced plant physiology	3
Artificial intelligence (AI) in botany	3

Semester 2

Field Botany	3
Advanced analytical tools in Botany	3
Advances in Plant Pathology	3
Plant Breeding and Horticulture	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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MS

Microbiology

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

CGPA 2 out of 4 (as per university and HEC policy)

GAT 3rd party or NTS 50% , if university then 60% (as per university and HEC policy)

Semester 1

Fehm-e-Quran - I	1
Advances in Microbiological Techniques	3
Clinical and Diagnostic Microbiology	3
Food and Dairy Microbiology	3
Advanced Bioinformatics	3

Semester 2

SMC701230 - Scientific Writing & Research Methods	3
Modern Methods in Infection Biology	3
Diagnostic Virology	3
Molecular Immunology	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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MS

Zoology

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Elective Placeholder-I	3
Elective Placeholder-II	3
Elective Placeholder-III	3
Advanced Techniques in Zoological Sciences (Theory)	1
Advanced Techniques in Zoological Sciences (Lab)	2

Semester 2

Elective Placeholder-IV	3
Elective Placeholder-V	3
Elective Placeholder-VI	3
Research Design and Biostatistics (Theory)	2
Research Design and Biostatistics (Lab)	1
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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List of Electives

Advanced Mammalogy	3
Advanced Physiology	3
Classification of Insects and Pest Management	3
Medical Virology	3
Wildlife Conservation and Management	3
Fish Breeding and Hatchery Management	3

M.Phil

Chemistry

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Solid State Chemistry	3
Organic Polymer Chemistry	3
Nanochemistry	3
Scientific Writing & Research Methods	3

Semester 2

Inorganic Materials Chemistry	3
Advanced Chemical Kinetics	3
Nuclear Magnetic Resonance Spectroscopy	3
Separation Techniques in Chemistry	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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MPhil

(Mathematics)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
ODE & Computational Linear Algebra	3
Mathematical Methods of Physics	3

Semester 2

Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Group Theory	3
Integral Equations	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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List of Electivities

Data Science	3
Research Methodology	3
Mathematical Modeling and Simulation	3
Machine Learning	3

Note: Students will chose any four courses from compulsory and any four from elective courses. More Elective courses can be included as per requirement

M.Phil

(Statistics)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Elective Placeholder-I	3
Elective Placeholder-II	3
Probability Distributions	3
ODE & Computational Linear Algebra	3

Semester 2

Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Survey Sampling	3
Applied Biostatistics	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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List of Electivities

Data Science	3
Research Methodology	3
Mathematical Modeling and Simulation	3
Machine Learning	3

M.Phil

Physics

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Elective Placeholder-I	3
Elective Placeholder-II	3
Advanced Mathematical Methods of Physics	3
Advanced Quantum Mechanics	3

Semester 2

Elective Placeholder-III	3
Elective Placeholder-IV	3
Advanced Electrodynamics	3
Techniques of Experimental and Computational Physics	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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List of Electivities

Data Science	3
Research Methodology	3
Mathematical Modeling and Simulation	3
Machine Learning	3

MS

(Biochemistry)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Advanced Biochemical Techniques	3
Advances in Clinical Biochemistry	3
Protein Structure, Function and Engineering	3
Food Biochemistry	3

Semester 2

Research Methodologies in Biochemistry	3
Advanced Bioinformatics	3
Signal Transduction	3
Biochemistry of Drugs and Their Resistance	3
Fehm-e-Quran - II	1

Semester 3

Thesis	6
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MS

(Biotechnology)

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Holding a 16-year degree in the relevant field with a minimum CGPA of 2.0. Additionally, candidates must secure a minimum of 50% in the Quality GAT General (NTS) or 60% in the GAT General (University).

Semester 1

Fehm-e-Quran - I	1
Advanced Molecular Biology	3
Advanced Research Methods in Biotechnology	3
Advances in Medical Biotechnology	3
Artificial Intelligence in Biotechnology	3

Semester 2

Advances in Bioinformatics	3
Trends in Biotechnology	3
Principles of Protein Purification	3
Applications of Nanobiotechnology	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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BS

Biochemistry

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc Pre Medical or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Functional English	3
Islamic Studies	2
Quantitative Reasoning I	3
Biochemistry I: Introductory Biochemistry (Theory)	2
Biochemistry I: Introductory Biochemistry (Lab)	1

Semester 2

Fehm-e-Quran - I	1
Quantitative Reasoning II	3
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Fundamentals of Molecular Biology	3
Biochemistry of Carbohydrates and Lipids (Theory)	2
Biochemistry of Carbohydrates and Lipids (Lab)	1

Semester 3

Social Entrepreneurship Program	3
Fundamentals of Microbiology	2
Fundamentals of Microbiology (Lab)	1
Introduction to Biotechnology (Theory)	2
Introduction to Biotechnology (Lab)	1
Biostatistics (Theory)	2
Biostatistics (Lab)	1
Pak Studies	2
Inorganic Chemistry (Theory)	2
Inorganic Chemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 4

Technopreneurship	3
Human physiology	2
Human physiology (Lab)	1
Nutrition Biochemistry (Theory)	2
Nutrition Biochemistry (Lab)	1
Biochemistry III: Protein and Nucleic Acid (Lab)	1
Biochemistry III: Protein and Nucleic Acid (Theory)	2
Plant Biochemistry (Theory)	2
Plant Biochemistry (Lab)	1
Physical Chemistry (Theory)	2
Physical Chemistry (Lab)	1

Semester 5

Biosafety & Bioethics	2
Scientific inquiry and Research Methods	2
Genomics, Transcriptomics and Proteomics	3
Industrial Biochemistry (Theory)	2
Industrial Biochemistry (Lab)	1
Metabolism of Carbohydrates and Lipids	3
Analytical Techniques in Biochemistry (Theory)	2
Analytical Techniques in Biochemistry (Lab)	1

Semester 6

Computational Biology (Theory)	2
Computational Biology (Lab)	1
Seminar	2
Clinical Biochemistry (Theory)	2
Clinical Biochemistry (Lab)	1
Cell and Tissue Culture	2
Cell and Tissue Culture (Lab)	1
Metabolism of Proteins and Nucleic acids	3
Principles of Genetics	3

Semester 7

Field experience/internship	3
Environmental Biochemistry (Theory)	2
Environmental Biochemistry (Lab)	1
Immunology (Theory)	2
Immunology (Lab)	1
Enzymology (Theory)	2
Enzymology (Lab)	1
Stem Cell and Gene Therapy	3

Semester 8

Capstone project	3
Nanobiotechnology	3
Current Trends in Biochemistry	3
Cancer Biology	3
Biochemistry of Natural Products	3



BS

Microbiology

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

FSc Pre Medical or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Functional English	3
Islamic Studies	2
Quantitative Reasoning - I	3
Biochemistry - I (Theory)	2
Biochemistry - I (Lab)	1

Semester 2

Fehm-e-Quran - I	1
Quantitative Reasoning - II	3
Expository Writing	3
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Ideology and Constitution of Pakistan	2
Molecular Biology	3
Biochemistry - II (Theory)	2
Biochemistry - II (Lab)	1

Semester 3

Social Entrepreneurship Program	3
Introduction to Microbiology (Theory)	2
Introduction to Microbiology (Lab)	1
Introduction to Biotechnology	3
Recombinant DNA technology	2
Recombinant DNA technology (Lab)	1
Biostatistics	3
Pak Studies	2
Fehm-e-Quran - II	1

Semester 4

Technopreneurship	3
Human Physiology	2
Human Physiology (Lab)	1
Microbial Genetics	3
Soil & Agriculture Microbiology (Theory)	2
Soil & Agriculture Microbiology (Lab)	1
Food Microbiology (Theory)	2
Food Microbiology (Lab)	1
Microbial Diversity & Systematics (Theory)	2
Microbial Diversity & Systematics (Lab)	1

Semester 5

Bioethics, Biosafety & Biosecurity	3
Scientific writing & Research methods	3
Genomics & Proteomics	3
Industrial Microbiology (Theory)	2
Industrial Microbiology (Lab)	1
Aquatic Microbiology	3
Virology	3

Semester 6

Bioinformatics (Theory)	1
Bioinformatics (Lab)	2
Seminar	1
Mycology (Theory)	2
Mycology (Lab)	1
Analytical Techniques in Microbiology	2
Analytical Techniques in Microbiology (Lab)	1
Artificial intelligence in Microbiology	2
Artificial intelligence in Microbiology (Lab)	1
Genetics	3

Semester 7

Field experience/internship	3
Environmental Microbiology and Public Health	3
Genetic Engineering	3
Immunology (Theory)	2
Immunology (Lab)	1
Microbial Biotechnology & Vaccinology (Theory)	2
Microbial Biotechnology & Vaccinology (Lab)	1

Semester 8

Capstone project	3
Nanobiotechnology	3
Advances in Microscopy and Image Analysis	3
Antimicrobial Agents & Resistance (Theory)	2
Antimicrobial Agents & Resistance (Lab)	1
Medical Microbiology (Theory)	2
Medical Microbiology (Lab)	1

BS

Biotechnology

Course Duration	4 Years
Semesters	8
Total Credit Hours	140

Eligibility

FSc Pre Medical or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Functional English	3
Islamic Studies	2
Quantitative Reasoning I	3
Biochemistry - I (Theory)	2
Biochemistry - I (Lab)	1

Semester 2

Fehm-e-Quran - I	1
Quantitative Reasoning II	3
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Molecular Biology	3
Biochemistry II	2
Biochemistry II Lab	1

Semester 3

Social Entrepreneurship Program	3
Microbiology (Theory)	2
Microbiology (Lab)	1
Introduction to Biotechnology	3
Ecology & Biodiversity	3
Biostatistics	3
Pak Studies	2
Fehm-e-Quran - II	1

Semester 4

Technopreneurship	3
Genetic Resources & Conservation	3
Cell Biology (Theory)	2
Cell Biology (Lab)	1
Methods in Molecular Biology (Theory)	1
Methods in Molecular Biology (Lab)	2
Pharmaceuticals Biotechnology	3
Environmental Biotechnology (Theory)	2
Environmental Biotechnology (Lab)	1

Semester 5

Bioethics, Biosafety & Biosecurity	2
Scientific Inquiry & Research Methods	3
Body Fluids and Function (Theory)	2
Body Fluids and Function (Lab)	1
Industrial Biotechnology (Theory)	2
Industrial Biotechnology (Lab)	1
Recombinant DNA technology	2
Recombinant DNA technology (Lab)	1
Introduction to Cell Signaling	3

Semester 6

Bioinformatics (Theory)	1
Bioinformatics (Lab)	2
Seminar	1
Analytical Chemistry & Instrumentation	2
Analytical Chemistry & Instrumentation (Lab)	1
Cell & Tissue Culture	3
Health Biotechnology	3
Artificial Intelligence in Biotechnology	2
Genetics	3

Semester 7

Field experience/internship	3
Food Biotechnology (Theory)	2
Food Biotechnology (Lab)	1
Agriculture Biotechnology (Theory)	2
Agriculture Biotechnology (Lab)	1
Microbial Biotechnology & Vaccinology (Theory)	2
Microbial Biotechnology & Vaccinology (Lab)	1
Stem Cell & Gene Therapy	3
Immunology	3

Semester 8

Capstone project	3
Nanobiotechnology	3
Animal Biotechnology (Theory)	2
Animal Biotechnology (Lab)	1
Fermentation biotechnology	3
Biofuels and Bio Refineries (Theory)	2
Biofuels and Bio refineries (Lab)	1

BS

Zoology

Course Duration	4 Years
Semesters	8
Total Credit Hours	142

Eligibility

FSc Pre Medical or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Functional English	3
Islamic Studies	2
Quantitative Reasoning I	3
Principles of Biochemistry	2
Principles of Biochemistry (Lab)	1

Semester 2

Fehm-e-Quran - I	1
Quantitative Reasoning II	3
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Molecular Biology	3
Biochemistry II	2
Biochemistry II Lab	1

Semester 3

Civics and Community Engagement	3
Diversity of Invertebrates	2
Diversity of Invertebrates (Lab)	1
Biostatistics (Theory)	2
Biostatistics (Lab)	1
Animal Behaviour	3
General Ecology (Theory)	2
General Ecology (Lab)	1
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 4

Technopreneurship	3
Human Physiology	2
Human Physiology (Lab)	1
Animal Form & Function-I	2
Animal Form and Function-I (Lab)	1
wildlife Conservation & Management (Lab)	1
wildlife Conservation & Management	2
Cell Biology (Theory)	2
Cell Biology (Lab)	1
Basic Chemistry	2
Basic Chemistry (Lab)	1

Semester 5

Biosafety & Risk management	2
Biosafety & Risk management (Lab)	1
Research Methodologies & Bioethics (Theory)	2
Research Methodologies & Bioethics (Lab)	1
Animal Forms & Function-II Comparative Physiology (Lab)	1
Animal Forms & Function-II Comparative Physiology (Theory)	2
Diversity of Chordates (Lab)	1
Diversity of Chordates (Theory)	2
Principles of Systematics (Theory)	2
Principles of Systematics (Lab)	1
Evolution	3

Semester 6

Computational Biology (Theory)	2
Computational Biology (Lab)	1
Seminar	1
Insect Ecology	3
Parasitology (Theory)	2
Parasitology (Lab)	1
Principles of Genetics	3
Diversity of Plants (Theory)	2
Diversity of Plants (Lab)	1

Semester 7

Field experience/internship	3
Economic Zoology (Theory)	2
Economic Zoology (Lab)	1
Plant Physiology & Ecology (Theory)	2
Plant Physiology & Ecology (Lab)	1
Entamology	2
Entamology (Lab)	1
Vector Biology and Public Health	3
Microbiology and Immunology (Lab)	1
Microbiology and Immunology (Theory)	2

Semester 8

Capstone project	3
Apiculture (Theory)	2
Apiculture (Lab)	1
Zoogeography and Paleontology (Theory)	2
Zoogeography and Paleontology (Lab)	1
Marine Biology	3
Fisheries & Aquaculture (Lab)	1
Fisheries & Aquaculture (Theory)	2
Nanobiotechnology	3

BS

Physics

Course Duration	4 Years
Semesters	8
Total Credit Hours	144

Eligibility

FSc Pre-Engineering or Intermediate with Physics having atleast 40% marks

Semester 1

Islamic Studies	2
Functional English	3
Biology	2
Biology (Lab)	1
International Relations	2
Quantitative Reasoning - I	3
Visual Arts	2

Semester 2

Fehm-e-Quran - I	1
Calculus-I	3
Mechanics	3
Lab-I (Mechanics & Fluids)	1
Quantitative Reasoning - II	3
Expository Writing	3
Applications of Information and Communication Technologies	2
SPR601220 - Applications of Information and Communication Technologies – Lab	1
Ideology and Constitution of Pakistan	2

Semester 3

Fehm-e-Quran - II	1
Social Entrepreneurship Program	3
Calculus-II	3
Linear Algebra	3
Electricity & Magnetism (Theory)	2
Electricity & Magnetism-II LAB (Electricity and Magnetism)	1
Pakistan Studies	2
Heat & Thermodynamics (Lab)	1
Heat & Thermodynamics	2
Waves & Oscillations-III LAB (Heat, waves, sound)	1

Semester 4

Waves and Optics	2
Optics-IV LAB (Optics)	1
Differential Equations	3
Entrepreneurship	3
Vector Calculus	3
Modern Physics	2
Lab-VI (Modern Physics)	1
Electronics-I	2
Electronics-I (Lab)	1

Semester 5

Quantum Mechanics I	3
Mathematical Methods of Physics	3
Computational Physics	2
Computational Physics (Lab)	1
Classical Mechanics	3
Electronics-II (Lab)	1
Electronics-II	2
Introduction to Material	3
Lab-V (Electronics)	1

Semester 6

Mathematical Methods of Physics-II	3
Quantum Mechanics II	3
Electromagnetic Theory-I	3
Solid State Physics-I	3
Medical Physics	2
Medical Physics (Lab)	1
Scientific Inquiry & Research Methods	3

Semester 7

Nuclear Physics-I	3
Solid State Physics-II	3
Environmental Physics	3
Internship/Field Experience	3
Electromagnetic Theory-II	3
Artificial Intelligence in Medical Physics	3

Semester 8

Data Science	3
Statistical Physics	3
Experimental Techniques in Physics	3
Capstone Project	3
Atomic & Molecular Physics	3
Nuclear Physics-II	3

BS

Chemistry

Course Duration	4 Years
Semesters	8
Total Credit Hours	141

Eligibility

FSc / A Level or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Functional English	3
Islamic Studies	2
Quantitative Reasoning - I	3
Fundamentals of Chemistry (Theory)	2
Fundamentals of Chemistry (Lab)	1

Semester 2

Fehm-e-Quran - I	1
Quantitative Reasoning - II	3
Expository Writing	3
Applications of Information and Communication Technologies	2
SAR602200 - Applications of Information and Communication Technologies – Lab	1
Ideology and Constitution of Pakistan	2
Principles of Organic Chemistry (Theory)	2
Principles of Organic Chemistry (Lab)	1
Principles of Biochemistry	2
Principles of Biochemistry (Lab)	1

Semester 3

Social Entrepreneurship Program	3
Mathematics - I	3
Principles of Analytical Chemistry (Theory)	2
Principles of Analytical Chemistry (Lab)	1
Pakistan Studies	2
Principles of Inorganic Chemistry (Theory)	2
Principles of Inorganic Chemistry (LAB)	1
Principles of Physical Chemistry (Theory)	2
Principles of Physical Chemistry (LAB)	1
Fehm-e-Quran - II	1

Semester 4

Entrepreneurship	3
Principles of Polymer Chemistry (Theory)	2
Principles of Polymer Chemistry (Lab)	1
Industrial Chemistry	2
Environmental Chemistry (Theory)	2
Environmental Chemistry (LAB)	1
Mathematics II	3
Introduction to Nano-chemistry (Theory)	2
Introduction to Nano-chemistry (LAB)	1
Industrial Chemistry (Lab)	1

Semester 5

Advanced Organic Chemistry (Theory)	2
Advanced Organic Chemistry (LAB)	1
Advanced Inorganic Chemistry (Theory)	2
Advanced Inorganic Chemistry (LAB)	1
Advanced Physical Chemistry	3
Advanced Analytical Chemistry (Theory)	2
Advanced Analytical Chemistry (LAB)	1
Soil Chemistry (Theory)	2
Soil Chemistry (LAB)	1
Computational Chemistry (Theory)	2
Computational Chemistry (LAB)	1

Semester 6

Forensic Chemistry (Theory)	2
Forensic Chemistry (LAB)	1
Fuel Chemistry (Theory)	2
Fuel Chemistry (LAB)	1
Agricultural Chemistry (Theory)	2
Agricultural Chemistry (LAB)	1
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Scientific Writing & Research Methods	3

Semester 7

Chemical Safety & Risk Management	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Elective V - Elective Placeholder-V	3
Pharmaceutical Chemistry (Theory)	2
Pharmaceutical Chemistry (LAB)	1
Internship	3

Semester 8

Elective VI - Elective Placeholder-VI	3
Elective VII - Elective Placeholder-VII	3
Artificial Intelligence in Chemistry (Theory)	2
Artificial Intelligence in Chemistry (LAB)	1
Quality Control & Assurance (Theory)	2
Quality Control & Assurance (LAB)	1
Capstone project	3

BS

Forensic Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

Eligibility

FSc Pre Medical or equivalent with minimum 45% marks

Semester 1

Islamic Studies	2
Biology	2
Biology (Lab)	1
Physical Education	2
International Relations	2
Quantitative Reasoning I	3
Basic Concept of Biochemistry	2
Basic Concept of Biochemistry (Lab)	1
Functional English	3

Semester 2

Chemistry I (Lab)	1
Chemistry I (Theory)	2
Quantitative Reasoning II	3
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Molecular Biology	3
Fehm-e-Quran - I	1

Semester 3

Chemistry-II (Theory)	2
Chemistry-II (Lab)	1
Basic Pharmacology	3
Introduction to Forensic Science	3
Human Genetics	3
Fehm-e-Quran - II	1
Civics and Community Engagement	3
Pak Studies	2

Semester 4

Forensic DNA Typing (Theory)	2
Forensic DNA Typing (Lab)	1
Techniques in Molecular Biology (Lab)	1
Human Physiology	2
Human Physiology (Lab)	1
Techniques in Molecular Biology	2
Forensic psychology	2
Forensic psychology (lab)	1
Forensic Toxicology	2
Forensic Toxicology (Lab)	1
Technopreneurship	3

Semester 5

Principles of Ballistics (Theory)	3
Principles of Ballistics (Lab)	1
Fundamental Forensic Techniques (Theory)	3
Fundamental Forensic Techniques (Lab)	1
Principles of Digital Forensics (Theory)	3
Principles of Digital Forensics (Lab)	1
Biosafty & Risk management	2
Research Methodology & Skill Enhancement	2

Semester 6

Law of Evidence & Expert Witness (Theory)	2
Seminar	1
Bioinformatics (Theory)	1
Bioinformatics (Lab)	2
Firearms & Toolmarks Analysis (Theory)	2
Firearms & Toolmarks Analysis (Lab)	1
Immunology	3
Introduction Forensic Analysis of Fingerprints & Writing to Medical Microbiology	2
Introduction Forensic Analysis of Fingerprints & Writing to Medical Microbiology (Lab)	1
Law of Evidence & Expert Witness (Lab)	1

Semester 7

Crime Scene Investigations (Theory)	3
Crime Scene Investigations (Lab)	1
Cyber Crimes & Questioned Document Examination (Theory)	2
Field experience/internship	3
Forensic Serology DNA Analysis	2
Forensic Serology DNA Analysis (Lab)	1
Cyber Crimes & Questioned Document Examination (lab)	1

Semester 8

Tools in Forensic Investigations (Theory)	2
Forensic Analysis of Trace Evidence (Theory)	3
Forensic Analysis of Trace Evidence (Lab)	1
Recent Advances in Forensic Science	3
Capstone project	3
Nanobiotechnology	3
Tools in Forensic Investigations (Lab)	1



BS

Mathematics

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

FSc / A Level or equivalent with minimum 45% marks

Semester 1

Functional English	3
Quantitative Reasoning - I	3
Biology	2
Biology (Lab)	1
International Relations	2
Visual Arts	2
Islamic Studies	2

Semester 2

Fehm-e-Quran - I	1
Expository Writing	3
Quantitative Reasoning - II	3
Mechanics	2
Mechanics(Lab)	1
Calculus-I	3
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Ideology and Constitution of Pakistan	2

Semester 3

Fehm-e-Quran - II	1
Social Entrepreneurship Program	3
Calculus-II	3
Probability & Statistics	3
Elementary Set Theory & Logics	3
Pakistan Studies	2
Elementary Differential Equation	3

Semester 4

Entrepreneurship	3
Discrete Mathematics	3
Ordinary Differential Equations	3
Calculus-III	3
Introduction to Programming	3
Introduction to Data Science	3

Semester 5

Group Theory	3
Topology	3
Linear Algebra	3
Data Structure and Algorithm	3
Real Analysis - I	3
Number Theory	3

Semester 6

Real Analysis-II	3
Complex Analysis	3
Advance Programming	3
Ring Theory	3
Numerical Analysis	3
Image Processing	3

Semester 7

Functional Analysis	3
Partial Differential Equations	3
Differential Geometry	3
Internship/Field Experience	3
Integral Equations	3
Machine Learning	3

Semester 8

Measure Theory	3
Graph Theory	3
Mathematical Modeling & Simulation	3
Capstone Project	3
Scientific Writing & Research Methods	3

BS

Nanoscience and Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

Eligibility

FSc / A Level or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Cell Biology (Lab)	1
Cell Biology (Theory)	2
Functional English	3
International Relations	2
Islamic Studies	2
Physical Education	2
Quantitative Reasoning I	3

Semester 2

Fehm-e-Quran - I	1
Applications of Information and Communication Technologies (Lab)	1
"Applications of Information and Communication Technologies"	2
Expository Writing	3
Fundamentals of Nanotechnology	3
Ideology and Constitution of Pakistan	2
Inorganic Chemistry (Lab)	1
Inorganic Chemistry (Theory)	2
Quantitative Reasoning II	3

Semester 3

Biology of Nanoscience (Lab)	1
Biology of Nanoscience (Theory)	2
Fundamental Physics-I	3
Introduction to Biotechnology	3
Physical Chemistry	3
Social Entrepreneurship Program	3
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 4

Analytical Chemistry (Lab)	1
Analytical Chemistry (Theory)	2
Biomaterials (Lab)	1
Biomaterials (Theory)	2
Biophotonics (Lab)	1
Biophotonics (Theory)	2
ETTP	3
Fundamental Physics-II	3
Human Physiology	2
Human Physiology (Lab)	1

Semester 5

Biosafety & Risk Management	2
Biosafety & Risk Management (Lab)	1
Immunology and Medical Nanotechnology	3
Industrial Biotechnology (Lab)	1
Industrial Biotechnology (Theory)	2
Nanosynthesis and Nanomaterial	3
Quantum Mechanics for Nanosciences	3
Research Methodology and Skill enhancement	2

Semester 6

Bioinformatics (Lab)	2
Bioinformatics (Theory)	1
Biomechanics	3
Cell and Tissue Culture	3
Nano Biotechnology (Lab)	1
Nano Biotechnology (Theory)	2
Nanotoxicology and Ethics	2
Nanotoxicology and Ethics (Lab)	1
Seminar	1

Semester 7

Biochips and Microarray	3
Body Fluids and Function	3
Electronics	3
Field experience/internship	3
Nanotherapeutics	3

Semester 8

Capstone project	3
Drug Delivery and Nanotechnology	3
Nanobiosensors	3
Nanomedicine	3

BS

Environmental Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

Eligibility

FSc / A Level or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Functional English	3
International Relations	2
Introduction to Environmental Science	3
Islamic Studies	2
Physical Education	2
Quantitative Reasoning I	3

Semester 2

Fehm-e-Quran - I	1
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Basic Chemistry	2
Basic Chemistry (Lab)	1
Environmental Pollution (Lab)	1
Environmental Pollution (Theory)	2
Expository Writing	3
Ideology and Constitution of Pakistan	2
Quantitative Reasoning II	3

Semester 3

Animals and Environment	3
Behavioral Science	3
Environmental Chemistry	3
Social Entrepreneurship Program	3
Introduction to Biotechnology	3
Pakistan Studies	2

Semester 4

Entrepreneurship	3
Environmental Toxicology	2
Environmental Toxicology (Lab)	1
Analytical Techniques in Environmental Science (Lab)	2
Analytical Techniques in Environmental Science (Theory)	1
Plants and Environments	3
Biodegradation and Bioremediation (Lab)	1
Biodegradation and Bioremediation (Theory)	2
Ecotourism (Lab)	1
Ecotourism (Theory)	2

Semester 5

Biosafety & Risk management	2
Biosafety & Risk management (Lab)	1
Environment Management System	3
Environmental Impact Assessment (Theory)	2
Environmental Profile of Pakistan (Lab)	1
Environmental Profile of Pakistan (Theory)	2
Hydrological system and Environment (Lab)	1
Hydrological system and Environment (Theory)	2
Research Methodology & Skill Enhancement	2
Fehm-e-Quran - II	1

Semester 6

Bioinformatics (Lab)	2
Bioinformatics (Theory)	1
Environmental Economics and Sustainable Developments	3
Environmental Law and Policies	2
Environmental Law and Policies (Lab)	1
GIS and Remote Sensing (Lab)	1
GIS and Remote Sensing (Theory)	2
Occupational safety Health and Environment (Lab)	1
Occupational safety Health and Environment (Theory)	2
Seminar	1

Semester 7

Agro Ecology	3
Environmental Microbiology and Public Health	3
Environmental Monitoring	3
Field experience/internship	3
Pollution Control Technologies	3

Semester 8

Capstone project	3
Disaster Risk Management	3
Environmental Governance	3
Nanobiotechnology	3
Natural Resources Management	3



**FACULTY OF
ALLIED HEALTH SCIENCES**



Prof. Dr. Muhammad Naveed Babur

Dean's Message

The Faculty of Allied Health Sciences at Superior University is dedicated to preparing outstanding healthcare professionals to become leaders in their fields — whether as entrepreneurs, educators, clinicians, or researchers. Our graduates are equipped with the skills to conduct independent research, advance their professions, and positively impact society.

We promote scholarly behavior by nurturing critical thinking, inquiry, and a deep understanding of healthcare practices. Our mission also extends to influencing healthcare regulations and policies that effectively meet the needs of patients and communities.

Our education meets international standards, firmly rooted in Islamic and ethical values. With the guidance of leading faculty members, students are empowered to excel in their chosen professions and navigate the challenges of a rapidly evolving healthcare landscape, both locally and globally.

We actively foster a strong research culture, promoting multidisciplinary collaboration to address emerging healthcare challenges and opportunities. These efforts deepen our academic impact and generate knowledge that improves human life.

Our partnerships with reputable national and international academic and clinical institutions provide students and faculty with opportunities to enhance their knowledge and skills at a global level.

Superior students gain practical experience through the Chaudhry Muhammad Akram Teaching & Research Hospital (CMATRH), where they learn the art of healing, patient care, and healthcare innovation from the best medical practitioners.

The Faculty of Allied Health Sciences is committed to guiding you towards a successful career in healthcare and helping you become the professional you aspire to be, In Sha Allah.



- Ph.D. Allied Health Sciences (Medical Laboratory Technology)
- Ph.D. Allied Health Sciences (Nutrition and Dietetics)
- Ph.D. Food Sciences
- Ph.D. Allied Health Sciences (Medical Imaging Technology and Diagnostic Ultrasound)
- Ph.D. in Rehabilitation Sciences
- MS Nursing
- MS Public Health
- MS Rehabilitation Sciences
- MS Allied Health Sciences
- MS Medical Laboratory Science
- BS Medical Imaging Technology
- BS Medical Laboratory Sciences
- BS Anesthesia Technology
- BS Dental Hygiene
- BS Operation Theatre Technology
- BS Radiation Therapy Technology
- BS Neuroscience and Technology
- BS Optometry
- BS Public Health
- BS Sports Sciences and Physical Education
- BS Audiology
- BS Occupational Therapy
- BS Human Nutrition and Dietetics
- BS Emergency and Intensive Care
- BS Food Science and Technology
- BS Cardiac Perfusion
- BS Renal and Dialysis Technology
- BS Dental Technology
- BS Aesthetics and Cosmetology
- BS Food Safety and Quality Management
- BS in Nursing
- Doctor of Physical Therapy
- Bachelor in Nursing (Post RN)
- BS in Diagnostic Ultrasound Technology

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Prof. Dr. Rashida Parveen	Dr. Maira Saleem	Ms. Afshan Arshad	Ms. Laamia Altuf
Prof. Dr. Zahid Latif	Dr. Hira Fatima	Ms. Rehana Badar	Ms. Khadeeja Nasir
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	Ms. Munaza Shahid	Ms. Saba Aziz	Ms. Faiza Anwar
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	Mr. Muhammad Adeel		Ms. Kiran Shakeel

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Mr. Nida Tariq
Mr. Nasir Nadeem
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Mr. Ahmad Mehmood
Mr. Hafiz Zain Ali
Mr. Ahmad Wassi
Ms. Rida Mustafa
Mr. Muhammad Fawad
Ms. Sajida Batool
Ms. Humaira Saddique
Ms. Sadia Shoukat
Ms Saira john
Ms Mehreen Sabir
Ms Zunaira Khadim
Ms Ayesha Mushtaq
Ms Ayesha Khadim
Ms. Fatima Ch.
Mr. Umair Shafique
Ms. Sameen Tahir
Mr. Ubaid Ullah Jan
Ms. Fakhira Parveen
Ms. Attiya Anwar
Ms. Swera Saif
Mr. Jahanzaib
Ms. Arishba Iftikhar
Ms. Kainat Khalid
Mr. Muhammad Waqar
Aslam

Mr. Muhammad Naveed
Ms. Asma Khan
Ms. Ayesha Yaqoob
Ms. Sana Ali
Ms. Uttroba Shahid
Ms. Tayyaba Aslam
Ms. Amna Babar
Mr. Sheeraz Hafeez
Mr. Muhammad Hassan



Ph.D

in Rehabilitation Sciences

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

3.00/4.00 CGPA or 60% marks from an annual system in MS Food Science & Technology, MS Food Technology, MS Food & Nutrition,

MS Food Safety & Quality Management, MS Food Services Management or equivalent degree. All applicants are required to pass

University Admission Test and Interview.

Semester 1

Professional practice and Ethics in Rehabilitation Sciences	3
Evidence Based practice and Academic writing in Rehabilitation Sciences	3
Health Administration and Management	3
Fehm-e-Quran - I	1

Semester 2

Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Elective III - Elective Placeholder-III	3
Fehm-e-Quran - II	1

Semester 3, 4, 5, & 6

Thesis Final Defence Stage	30
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List of Electives

Rehabilitation Sciences and Disability	3
Trauma Rehabilitation	3
Seminar in Rehabilitation Sciences (Physical Therapy)	3
Seminar in Rehabilitation Sciences (Speech and Language Pathology)	3
Rehabilitation & Counselling	3

Ph.D

Allied Health Sciences (Medical Imaging Technology and Diagnostic Ultrasound)

Course Duration	2 Years
Semesters	4
Total Credit Hours	50

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field

Minimum Marks : CGPA 2 or above

Entry Test : Yes

Interview : Yes

Semester 1

Evidence Based Practice And Grant Writing In Health Professions	3
Health Policy And Conflict Resolution In Healthcare	3
Epidemiology And Advance Statistical Applications	3
Fehm-e-Quran - II	1

Semester 2

Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Elective III - Elective Placeholder-III	3
Fehm-e-Quran - II	1

Semester 3, 4, 5, & 6

Thesis	30
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List of Electives

Advances In Medical Imaging	3
Dynamic Realtime Diagnostic Ultrasound	3
Advances In Nuclear Medicine	3
Magnetic Resonance Imaging	3
Differential Diagnosis In Radiology	3
Artificial Intelligence In Medical Imaging	3
Interventional Radiology	3
Diagnostic Ultrasound	3

Ph.D

Food Sciences

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

3.00/4.00 CGPA or 60% marks from an annual system in MS Food Science & Technology, MS Food Technology, MS Food & Nutrition,

MS Food Safety & Quality Management, MS Food Services Management or equivalent degree. All applicants are required to pass

University Admission Test and Interview.

Semester 1

Food Industrial Waste Management	3
Advanced Beverage Technology	3
Processing of Milk and Milk Product	3
Fehm-e-Quran - I	1

Semester 2

Advanced in Food Packaging Technology	3
Technology of Processed Meat	3
Food Carbohydrate Chemistry and Technology	3
Fehm-e-Quran - II	1

Semester 3, 4, 5, & 6

Thesis	30
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Ph.D

Allied Health Sciences (Nutrition & Dietetics)

Course Duration	2 Years
Semesters	4
Total Credit Hours	50

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field

Minimum Marks : CGPA 2 or above

Entry Test : Yes

Interview : Yes

Semester 1

Evidence Based Practice And Grant Writing in Health Professions	3
Health Policy And Conflict Resolution In Healthcare	3
Epidemiology And Advance Statistical Applications	3
Fehm-e-Quran - I	1

Semester 2

Food And Nutritional Security: Policy To Practice	3
Metabolism Of Bioactive Nutrients	3
Fehm-e-Quran - II	1
Recent Advances In Nutrition And Dietetics	3

Semester 3, 4, 5, & 6

Thesis	30
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List of Electives

Complementary Nutrition For Health Promotion	3
Dietary Interventions In Public Health	3
Metabolic Interrelationships: Macronutrients	3
Project Designing In Nutrition	3
Pathophysiology Of Obesity	3
Health Benefits Of Functional Foods	3
Sports And Exercise Nutrition	3
International Nutrition	3

Ph.D

Allied Health Sciences (Medical Laboratory Technology)

Course Duration	3 Years
Semesters	6
Total Credit Hours	50

Eligibility

3.00/4.00 CGPA or 60% marks from an annual system in MS Food Science & Technology, MS Food Technology, MS Food & Nutrition,

MS Food Safety & Quality Management, MS Food Services Management or equivalent degree. All applicants are required to pass

University Admission Test and Interview.

Semester 1

Evidence Based Practice And Grant Writing In Health Professions	3
Health Policy And Conflict Resolution In Healthcare	3
Epidemiology And Advance Statistical Applications	3
Fehm-e-Quran - I	1

Semester 2

Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Elective III - Elective Placeholder-III	3
Fehm-e-Quran - II	1

Semester 3, 4, 5, & 6

Thesis	30
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List of Electives

Advanced Molecular Diagnostics	3
Advanced Clinical Chemistry	3
Advanced Hematology	3
Advanced Immunology And Transplant	3
Advanced Clinical Microbiology	3
Advanced Immunohematology	3
Advanced Pathology	3
Molecular Biology	3

MS

Rehabilitation Sciences

Course Duration	2 Years
Semesters	4
Total Credit Hours	38

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field

Minimum Marks : CGPA 2 or above

Entry Test : Yes

Interview : Yes

Semester 1

Disability and Rehabilitation	3
Professional Practice & Ethics in Rehabilitation Sciences	3
Evidence Based Practice and Academic Writing in Rehabilitation Sciences	3
Biostatistics, Research Methodology & Scientific Inquiry	1
Fehm-e-Quran - I	

Semester 2

Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Fehm-e-Quran - II	1

Semester 3

Clinical Residency	6
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Semester 4

Thesis	6
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List of Electives

Cardiopulmonary Rehabilitation - I	3	Communication and Behavioral Disorders	3	Chronic Pain Syndrome	3
Cardiopulmonary Rehabilitation - II	3	Pharmacology in Rehabilitation	3	Central Pain, Neuropathic Pain	3
Cardiopulmonary Sciences	3	Speech Disorders	3	Cancer Pain & Palliative Care	3
Cardiopulmonary Health	3	Language Disorders in children	3	Fluoroscopic Anatomy & Musculoskeletal Ultrasound	3
Examination & Evaluation in Cardiopulmonary Physical Therapy	3	Rudiments of Audiology	3	Interventions for Pain Management	3
Thoracic Diagnostic Radiology and Therapeutic Procedures	3	Clinical Decision Making & Planning Effective Treatment	3	Biomechanics & Kinesiology	3
Emergency Procedures and Critical Care Monitoring	3	Neurological, Communication & Swallowing Disorders	3	Advances in Lower Extremity Orthotics & Prosthetics	3
Planning Organization and Management of Community-Based Services	3	Advance Clinical Praxium	3	Information Technology & Management Skills	3
Community Based Strategies for Millennium Development Goals	3	Neurological Physical Therapy - I	3	Advances in Materials for Prosthetics & Orthotics	3
Disability Studies	3	Neurological Physical Therapy - II	3	Advances in Upper Extremity Orthotics & Prosthetics	3
Social & Medical Intervention with People with Disabilities	3	Rehabilitation of Neurological Disorders - I	3	Advances in Spinal Orthotics	3
Disaster Management Regarding Food, Healthcare & Shelter Security	3	Rehabilitation of Neurological Disorders - II	3	Mobility Aids in Rehabilitation	3
Community Based Research Methods & Project Planning and Management	3	Applied Neuro-Anatomy & Clinical Neuroscience	3	Pre School and School Language Disorders	3
Curriculum Design, Teaching and Learning for CBR Workers	3	Fundamentals of Neurological Diseases	3	Autism Spectrum Disorder	3
Advance Guidance and Counseling	3	Fundamentals of Neurological Rehabilitation	3	Child Development	3
Field Work Practice	3	Examination & Evaluation in Neurological Physical Therapy	3	Speech and Hearing Sciences	3
Gender Health: Foundation Theories and Applications	3	Advanced Neurological Physical Therapy Techniques	3	Aphasia and Dysphagia	3
Applications to Gender Analysis within Health Research and Interventions	3	Advance Occupational Therapy	3	Evidence Base Practice	3
Masculinity, Sexual Behavior & Health: Adolescence & Beyond	3	Advance Orthopedic Occupational Therapy	3	Communication and Behavioral Disorders	3
Selected Topics in Women's Health and Women Health Policy	3	Advance Neurological Occupational Therapy	3	Pharmacology in Rehabilitation	3
International Perspectives on Women, Gender & Health	3	Advance Bioengineering	3	Speech Disorders	3
The Epidemiology of LGBTQ Health	3	Advance Psychology in Occupational Therapy	3	Principles of Audio Logical Assessment	3
Global Perspectives on LGBTQ Health	3	Post-Operative Occupational Therapy	3	Introduction to Audiology & Its Medical & Physiologic Aspects	3
Legal and Public Health Issues in the Regulation of Intimacy	3	Advance Biomechanics and Kinesiology	3	Clinical Decision Making & Planning Effective Treatment	3
Methods for assessing Power, Privilege, and Public Health in the United States	3	Occupational Therapy and Community-Based Rehabilitation	3	Biostatistics, Research Methodology & Scientific Inquiry	3
Life Course Perspectives on Health	3	Orthopedic Physical Therapy - I	3	Neurological, Communication & Swallowing Disorders	3
Public Health Perspectives on Abortion	3	Orthopedic Physical Therapy - II	3	Advance Clinical Praxium	3
Gender- Based Violence Research, Practice and Policy: Issues and Current	3	Manual Therapy	3	Advance Principles & Practice of Manipulative Physical Therapy	3
Family Planning Policies and Programs	3	Examination & Evaluation in Orthopedic Physical Therapy	3	Musculoskeletal Sciences (Musculoskeletal Injuries, Diagnosis & Management)	3
Clinical Aspects of Reproductive Health	3	Clinical Pharmacology of Musculoskeletal System	3	Advance Manipulative Physical Therapy Techniques (Upper, lower Quadrant & Spine)	3
Selected Topics in Women's Health and Women Health Policy	3	Principles of Orthopedic Medicine	3	Sports Medicine (Sports Injuries, Diagnosis & Management)	3
Pre Natal & Post Natal Exercise & Rehabilitation	3	Fundamentals of Orthopedic Rehabilitation	3	Sports Psychology	3
Applied Kinesiology & Sports Biomechanics	3	Applied Movement Sciences	3	Applied Exercise Physiology & Nutrition	3
Measurement & Evaluation Technology in Physical Education	3	Pediatric Rehabilitation	3	Pain Management (Musculoskeletal & Sports Injuries)	3
Exercise Physiology & Exercise Prescription	3	Neurological Physical Therapy - I	3	Clinical/Functional implications of Visual Impairment and Low Vision Rehabilitation	3
Sports Psychology, Human Growth & Development	3	Neurological Physical Therapy - II	3	Anterior Eye and Advanced Contact Lenses	3
Health Promotion & Wellness	3	Rehabilitation of Neurological Disorders - I	3	Clinical Optometry and Advanced Ocular Diagnostic Procedures	3
Sports Injuries, Prevention & Rehabilitation	3	Rehabilitation of Neurological Disorders - II	3	Neuro Optometry and Strabismus	3
Pedagogical Methods in Physical Education	3	Applied Neuro-Anatomy & Clinical Neuroscience	3	Aural Habilitation and Rehabilitation	3
Language Science	3	Fundamentals of Neurological Diseases	3	Biostatistics, Research Methodology & Scientific Inquiry	3
Biomedical Sciences - I	3	Fundamentals of Neurological Rehabilitation	3	Psychoacoustics and Instrumentation	3
Child Development	3	Examination & Evaluation in Neurological Physical Therapy	3		
Speech and Hearing Sciences	3	Advanced Neurological Physical Therapy Techniques	3		
Biomedical Sciences - II	3	Advance Physical Rehabilitation	3		
Evidence Base Practice	3	Biopsychosocial Aspects of Pain	3		
		Physiology of Pain	3		
		Physiology of Pain	3		
		Acute Pain	3		

MS

Allied Health Sciences

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field
Minimum Marks : CGPA 2.5 or above
Entry Test : Yes
Interview : Yes

Semester 1

Biostatistics, Research Methodology & Scientific Inquiry	3
Professionalism & Ethics in Healthcare	3
Evidence Based Practice and Academic Writing in Allied Health Sciences	3
Differential Diagnosis & Clinical Decision Making	3
Fehm-e-Quran - II	1

Semester 2

Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3
Fehm-e-Quran - II	1

Semester 3 & 4

Thesis	6
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List of Electives

Medical Imaging Physics and Instrumentation	3	Communicable & Non-Communicable Eye Disease	3
Conventional Radiography	3	Ethics, Public Health and Human Rights	3
Computed Tomography	3	Global Disability & Inclusive Eye Health	3
Angiography and Interventional Radiology	3	Principles and Practice of Public Health	3
Obstetrical & Gynecological Ultrasound	3	Rapid Assessment Techniques in Eye Health	3
Magnetic Resonance Imaging	3	Health Policy planning and health System research	3
Nuclear Medicine	3	Field Visits	3
Advances in General and Vascular Ultrasound	3	Bioactive Components and Health	3
Advances in Medical Imaging Technology	3	Clinical Nutrition and Dietetics	3
Abdominal Ultrasound	3	Diet Diversification and Health Promotion	3
Obstetrical & Gynecological Ultrasound	3	Pediatric and Geriatric Nutrition	3
Ultrasound physics and instrumentation	3	Nutrition in Institutions	3
Small Parts Ultrasound	3	Biochemical Techniques	3
Obstetrical Ultrasound	3	Meat Products in Human Nutrition	3
Interventional Ultrasound & Patient Safety	3	Therapeutic and Complementary Nutrition	3
Musculoskeletal Ultrasound	3	Advanced Food Chemistry	3
Advances in General and Vascular Ultrasound	3	Sports and Exercise Nutrition	3
Advances in Ultrasound	3	Recent advances in Human Nutrition and Dietetics	3
Chemical Pathology	3	Vegetarian Nutrition	3
Molecular Pathology and Cytogenetics	3	Special Problem	3
Microbiology / Immunology	3	Prebiotics and Probiotics	3
Medical Laboratory Management	3	Baking Science and Technology	3
Forensic Medicine	3	Dairy Processing	3
Cytotechnology and Histotechnology	3	Technology of Processed Meat	3
Transfusion medicine Hematology	3	Food Quality Assurance Management	3
Basic Statistics for Public Health & Policy	3	Biochemical Techniques	3
Epidemiological Methods Applied to Eye Diseases	3	Development of Halal Foods	3
Foundations of Global Eye Health and Eye Care Programs	3	Food Enzymology	3
Introduction to Health Economics	3	Experimental Statistics	3
Skills for Field Projects in Eye Care	3	Vitamins in Nutrition	3
Childhood Eye Disease and Ocular Infections	3	Advanced Food Microbiology	3
		Recent advances in Food Science and Technology	3
		Seminar	3
		Special Problem	3
		Advanced Food Chemistry	3
		Basic Epidemiology	3
		Communicable and non-communicable disease control	3
		Environmental and occupational health	3
		Advance Epidemiology	3
		Health education and health promotion	3
		Health system management	3

Health Planning	3	Perfumery	3
Seminar	3	Cosmetic Production and Management	3
Special Problem	3	Advances in Cosmeceuticals	3
Applied nutrition	3	Applied Perfusion Technology	3
Health system management	3	Critical Thinking and Troubleshooting during	3
Hospital management	3	Cardiac Procedures	3
Community based reproductive health intervention	3	Management of CPB Perfusion	3
Advanced Biochemistry	3	Cardiac Pharmacology and Clinical Practice	3
Advanced Anatomy	3	Myocardial Protection	3
Fundamentals of emergency medical care	3	Advance Pediatric Perfusion	3
Infection Control	3	Special Techniques in Cardiopulmonary Bypass	3
Surgical Instruments and Sterilization	3	Life support System	3
Advanced Surgical Procedures	3	Trauma and Disaster Management	3
Advanced Anesthetics Procedures Seminar	3	Neurocritical care and Paediatric Critical care	3
Special Problem	3	Advanced Cardiac Technology	3
Surgical Skills	3	Advanced Perfusion Technology	3
Operation Theatre Techniques	3	Advance Pediatric Perfusion	3
Operation Theatre Equipment Handling	3	Critical care and Pain Medicine	3
Clinical and Operative Surgeries	3	Clinical/Functional implications of Visual Impairment and Low Vision Rehabilitation	3
Anesthesia Clinical Correlation	3	Anterior Eye and Advanced Contact Lenses	3
Patient Monitoring and Instrumentation	3	Clinical Optometry and Advanced Ocular Diagnostic Procedures	3
Pharmacology for Anesthesiologist Assistants	3	Neuro Optometry and Strabismus	3
Cardiac Electrophysiology	3	Advances in Radiography and Magnetic Resonance Imaging	3
Physiological Model-based Simulation	3	Mammography and Special Radiological Techniques	3
Clinical anesthesiology	3	Advances in General and Vascular Ultrasound	3
Basic principle of surgery	3	Advances in Obstetrics and Gynecology	3
Clinical Decision Making in Anesthesia	3	Advances in Musculoskeletal and Vascular Ultrasound	3
Advanced Anesthesia technique	3	Echocardiography	3
Fundamentals of Anesthetic Sciences	3	Advances in Microbiological Techniques	3
Ethics, Law and Diversity for Anesthesiologist Assistants	3	Advances in Immunology & Virology	3
Advanced Respiratory Therapy	3	Healthcare Setup Design & Management	3
Advances Concepts in Critical Care	3	Food and Dairy Microbiology	3
Advances in Cardiopulmonary Diseases	3	Advanced Medical Instrumentation in Cardiac Technology	3
Neonatal & Pediatric Respiratory Care	3	Critical thinking and troubleshooting in emergency	3
Clinical Decision Making in Anesthesia	3		
Ethics, Law and Professionalism	3		
Skin Physiology and Aging	3		
Laser Treatment	3		
Injectable Treatments	3		
Advances in Aesthetic Medicine	3		
Clinical Aesthetic Consultations	3		
Complications and Allergies	3		
Cosmetic Sciences	3		
Formulation Sciences	3		
Product Quality and Legislation	3		

MS NURSING

Course Duration	2 Years
Semesters	4
Total Credit Hours	44

Eligibility

"Route-1:
Secondary School Certificate/Matric (Science Group) 03 Years General Nursing Diploma
01 Year Midwifery Diploma for female or any other Post Basic Speciality Diploma for male
02 Years Post-RN BSN Degree with minimum 65% marks/CGPA 3.0 out of 4.0
Pakistan Studies & Islamiat/Ethics at Bachelors Level
01 Years Clinical Experience after Post-RN BS Nursing
Equivalence letter of 16 years education from HEC Valid registration of all professional qualifications with PNC
Passing University Entry test & Interview is mandatory.
Route 2:
Secondary School Certificate/Matric (Science Group) or equivalent
Higher Secondary School Certificate/FSc (Pre- Medical) or equivalent
04 Years Generic BS Nursing with minimum 65% marks or CGPA 3.0 out of 4.0
02 Years Clinical Experience including 01 Year internship
Equivalence letter of 16 years education from HEC Valid registration of all professional qualifications with PNC
Passing University Entry test & Interview is mandatory"

Semester 2

Advanced Health Assessment	3
Advanced Pathophysiology	3
Advanced Pharmacology	3
Fehm-e-Quran - II	1

Semester 3

Practicum	6
Proposal Development	3
Leadership & Management	3

Semester 4

Nursing Education	3
Thesis	6

Semester 1

Theoretical Basis of Nursing	3
Academic Writing	3
Research Methodology	3
Applied Statistics in Healthcare	3
Fehm-e-Quran - I	1

MS

Public Health

Course Duration	2 Years
Semesters	4
Total Credit Hours	38

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field
 Minimum Marks : CGPA 2.5 or above
 Entry Test : Yes
 Interview : Yes

Semester 1

Public Health Principles and Practices	3
Professional Ethics	3
Population Dynamics	3
Environmental and Occupational Health	3
Fehm-e-Quran - I	1

Semester 2

Applied Epidemiology and Biostatistics	3
Communicable and Non-Communicable Diseases	3
Social and behavioral Aspect of Public Health	3
Fehm-e-Quran - II	1

Semester 3

Research Methodology	3
Health System	3
Health promotion, Advocacy and social mobilization	3

Semester 4

Research Project	6
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MS

Medical Laboratory Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	32

Eligibility

Minimum Qualification : B.Sc in relevant field or 16-years of education in relevant field
 Minimum Marks : CGPA 2.5 or above
 Entry Test : Yes
 Interview : Yes

Semester 1

Advanced Molecular Biology and Bioinformatics	3
Clinical Microbiology	3
Research Methodology and Biostatistics	3
Medical Laboratory Management	3
Fehm-e-Quran - I	1

Semester 2

Advanced Cytotechnology and Histopathology	3
Clinical Virology and Immunology	3
Advance Clinical Biochemistry	3
Advances in Hematology and Transfusion Medicine	3
Fehm-e-Quran - II	1

Semester 3 & 4

Research Project	6
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List of Electives

Professional Standards: Biosafety, Bioethics in Medical Laboratories	3
Forensic Science	3
Epidemiology and Infection Control	3
Advanced Concepts in Diagnostic Microbiology	3
Advanced Clinical Virology	3
Molecular Diagnostics in Clinical Oncology	3
Genetic Engineering	3
Stem Cell Culturing Techniques	3
Advance Chemical Pathology	3

Doctor of Physical Therapy

Course Duration	5 Years
Semesters	10
Total Credit Hours	191

Eligibility

Minimum 60% marks with FSc pre-medical and 60% in university admission test

Semester 1

English - I (Functional English)	3
Anatomy - I (Theory)	2
Anatomy - I (Lab)	1
Physiology - I (Theory)	2
Physiology - I (Lab)	1
Kinesiology I (Lab)	2
Kinesiology I (Lab)	1
Behavioral Science	3
Social sciences & Genetic Equality	3
Fehm-e-Quran - I	1

Semester 2

Anatomy - II (Lab)	1
Physiology - II (Lab)	1
Kinesiology II	2
Kinesiology II (Lab)	1
Quantitative Reasoning- I	3
Expository Writing	3
Pakistan Studies	2
Molecular Biology & Genetics	2
Fehm-e-Quran - II	1
Anatomy - II (Theory)	2
Physiology - II (Theory)	2

Semester 3

Anatomy - III (Theory)	2
Anatomy - III (Lab)	1
Physiology - III (Theory)	2
Physiology - III (Lab)	1
Applications of Information and Communication Technologies (Lab)	2
Applications of Information and Communication Technologies (Lab)	1
Principles of Biochemistry I	3
Quantitative Reasoning - II	3
Biomechanics I (Theory)	2
Biomechanics I (Lab)	1

Semester 4

Medical Physics (Theory)	2
Medical Physics (Lab)	1
Islamic Studies	2
Anatomy - IV (Neuro Anatomy) (Theory)	2
Anatomy - IV (Neuro Anatomy) (Lab)	1
Biomechanics & Ergonomics - II (Theory)	2
Biomechanics & Ergonomics - II (Lab)	1
Biochemistry - II	3
Ideology & Constitution of Pakistan	2
Civics and Community Engagement	3

Semester 5

Physical Agents & Electrotherapy - I (Theory)	2
Physical Agents & Electrotherapy - I (Lab)	1
Supervised Clinical Practice - I	3
Exercise Physiology (Theory)	2
Exercise Physiology (Lab)	1
Pathology & Microbiology - I	2
Community Medicine and Rehabilitation (Lab)	2
Community Medicine and Rehabilitation (Lab)	1
Pharmacology & Therapeutics - I	2
Artificial Intelligence in Healthcare	2

Semester 6

Therapeutic Exercises & Techniques (Theory)	2
Therapeutic Exercises & Techniques (Lab)	1
Physical Agents & Electrotherapy - II (Theory)	2
Physical Agents & Electrotherapy - II (Lab)	1
Supervised Clinical Practice - II	3
Pathology & Microbiology - II (Theory)	2
Pharmacology & Therapeutics - II	2
Professional Practice in Health Care	3
Sustainable Development Goals: Health & Wellbeing (Lab)	1
Sustainable Development Goals: Health & Wellbeing (Theory)	2

Semester 7

Medicine - I	3
Musculoskeletal Physical Therapy (Theory)	2
Musculoskeletal Physical Therapy (Lab)	1
Surgery - II	3
Radiology & Diagnostic Imaging (Theory)	2
Radiology & Diagnostic Imaging (Lab)	1
Scientific Inquiry & Research Methodology (Theory)	2
Scientific Inquiry & Research Methodology (Lab)	1
Supervised Clinical Practice-III	4

Semester 8

Surgery - II	3
Medicine - II	3
Neurological Physical Therapy (Theory)	2
Neurological Physical Therapy (Lab)	1
Health Care Entrepreneurship	3
Sports Physical Therapy (Theory)	1
Sports Physical Therapy (Lab)	1
Supervised Clinical Practice-IV	4

Semester 9

Cardiopulmonary Physical Therapy (Theory)	2
Cardiopulmonary Physical Therapy (Lab)	1
Prosthetics & Orthotics	2
Clinical Decision Making & Differential Diagnosis	3
Emergency Procedures in Physical Therapy	2
Evidence Based Practice	2
Capstone Project/ Research Project	3
Evidence Based Practice (Lab)	1
Supervised Clinical Practice - V	4

Semester 10

Manual Therapy (Theory)	2
Manual Therapy (Lab)	1
Geriatric Physical Therapy (lab)	1
Integumentary Physical Therapy	2
Women's Health Physical Therapy	3
Pediatric Neonatal Physical Therapy (Lab)	1
Pediatric & Neonatal Physical Therapy (Theory)	2
Geriatric Physical Therapy (Theory)	2
Supervised Clinical Practice - VI	4
Internship	3



BS

Medical Laboratory Sciences

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Anatomy-I (Theory)	2
Anatomy-I (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Physiology-I (Theory)	2
Physiology-I (Lab)	1
Clinical Pharmacology	3
Functional English	3
Fehm-e-Quran - I	1

Semester 2

Anatomy-II (Theory)	2
Anatomy-II (Lab)	1
Physiology-II (Theory)	2
Physiology-II (Lab)	1
Islamic Studies	2
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Expository Writing	3
Physical Education	2
Psychology	2
Fehm-e-Quran - II	1

Semester 3

Lab Biosafety and Management	3
General Pathology (Theory)	2
General Pathology (Lab)	1
Blood Banking and Transfusion Medicine (Lab)	2
Blood Banking and Transfusion Medicine (Lab)	1
Quantitative Reasoning - I	3
Ideology & Constitution Of Pakistan	2
Civics and Community Engagement	3

Semester 4

Medical Lab Instrumentation	3
Clinical Pathology (Theory)	2
Clinical Pathology (Lab)	1
Entrepreneurship	3
Quantitative Reasoning-II	3
Basic Hematology	2
Basic Hematology (Lab)	1
Pakistan Studies	2

Semester 5

Medical Microbiology-I (Theory)	2
Medical Microbiology-I (Lab)	1
Mycology	3
Advanced Hematology (Theory)	2
Advanced Hematology (Lab)	1
Cytology and Histopathology (Theory)	2
Cytology and Histopathology (Lab)	1
Chemical Pathology - I (Theory)	2
Chemical Pathology - I (Lab)	1
Patient Care	2

Semester 6

Medical Microbiology-II (Theory)	2
Medical Microbiology-II (Lab)	1
Chemical pathology-II (Theory)	2
Chemical Pathology-II (Lab)	1
Research Methodology	3
Immunology and Serology-I (Theory)	2
Immunology and Serology-I (Lab)	1
Parasitology	3
Quality Assurance and Lab Management	3

Semester 7

Medical Ethics	2
Basic Histotechniques (Theory)	2
Basic Histotechniques (Lab)	1
Molecular Biology and Genetics-I	3
Clinical Lab Rotations	3
Endocrinology	3
Infection Control	2

Semester 8

Advanced Histotechnique	3
Forensic Criminology	3
Molecular Biology and Genetics-II	3
Research Project	3
Virology	3

BS

Medical Imaging Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

General Anatomy (Theory)	2
General Anatomy (Lab)	1
Physiology (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Physiology (Theory)	2
Functional English	3
Physical Education	2
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - I	1
Pakistan Studies	2

Semester 2

Islamic Studies/Religious Education/Ethics	2
Regional Anatomy (Extremities & Thorax)	2
Regional Anatomy (Extremities & Thorax) Lab	1
Embryology	2
Pathology	3
Expository Writing	3
International Relations	2
Fehm-e-Quran - II	1
Embryology - Lab	1

Semester 3

Patient Care	2
Sonographic Physics and Instrumentation	3
Application of Information and Communication Technologies	3
Regional Anatomy (Abdomen & Pelvis)	2
Regional Anatomy (Abdomen & Pelvis) Lab	1
Quantitative Reasoning-I	3
Civics and Community Engagement	3

Semester 4

Clinical Pharmacology	3
Radiation Sciences	3
Neurosonography	2
Entrepreneurship	3
Quantitative Reasoning-II	3
Neuroanatomy (Head and Neck) (Lab)	1
Neurosonography (Lab)	1
Neuroanatomy (Head and Neck) (Theory)	2

Semester 5

General Radiology (Theory)	2
General Radiology (Lab)	1
Gynecological Ultrasound (Theory)	2
Gynecological Ultrasound (Lab)	1
Abdominal Ultrasound (Theory)	2
Abdominal Ultrasound (Lab)	1
Behavioural Sciences	2
Leadership & Governance	2
Applied Surgery	2
Applied Medicine	2

Semester 6

Mammography and Special Radiological Techniques (Theory)	2
Mammography and Special Radiological Techniques (Lab)	1
Small parts Ultrasound (Theory)	2
Vascular Ultrasound (Theory)	2
Vascular Ultrasound (Lab)	1
Small parts Ultrasound (Lab)	1
Healthcare Management	2
Paediatric and Geriatric Imaging	2
Research Methodology & Synopsis Writing	3

Semester 7

Obstetrical Ultrasound (Lab)	1
Obstetrical Ultrasound (Theory)	2
Musculoskeletal Ultrasound (Theory)	2
Musculoskeletal Ultrasound (Lab)	1
Magnetic Resonance Imaging: Physics Instrumentation & Clinical Applications (Theory)	2
Magnetic Resonance Imaging: Physics Instrumentation & Clinical Applications (Lab)	1
Capstone Project	3
Evidence Based Practice	2
Computed Tomography Physics and Protocols (Lab)	1
Computed Tomography Physics and Protocols (Theory)	2

Semester 8

Echocardiography (Theory)	2
Echocardiography (Lab)	1
Medical Imaging in Emergency Medicine	2
Medical Imaging in Emergency Medicine (Lab)	1
Nuclear Medicine	2
Nuclear Medicine (Lab)	1
Interventional Radiology and Angiography	2
Interventional Radiology and Angiography (Lab)	1
Field Experience/Internship	3

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Functional English	3
Physiology - I (Theory)	2
Physiology - I (Lab)	1
Fundamentals of Human Nutrition	3
Islamic Studies	2
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - I	1

Semester 2

Anatomy (Theory)	2
Anatomy (Lab)	1
Principles of Food Science (Theory)	2
Principles of Food Science (Lab)	1
Physiology - II (Theory)	2
Physiology - II (Lab)	1
Physical Education	2
Expository Writing	3
Introduction to Biochemistry	2
Introduction to Biochemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 3

General Pathology (Theory)	2
General Pathology (Lab)	1
Assessment of Nutritional Status (Theory)	2
Assessment of Nutritional Status (Lab)	1
Quantitative Reasoning II	3
International Relations	2
Social Entrepreneurship Program	3
Pakistan Studies	2

Semester 4

Micronutrients in Human Nutrition	3
Food Microbiology (Theory)	2
Food Microbiology (Lab)	1
Nutrition Deficiency Disorders	3
Food Safety and Quality Management	3
Quantitative Reasoning II	3
Entrepreneurship	3

Semester 5

Nutrition Through The Life Cycle	3
Meal Planning & Management (Theory)	2
Meal Planning & Management (Lab)	1
Nutrition and Psychology	3
Food & Drug Laws	3
Dietetics-I (Theory)	2
Dietetics-I (Lab)	1
Nutrition Education and Awareness (Lab)	2
Nutrition Education and Awareness (Lab)	1

Semester 6

Functional Foods and Nutraceuticals	3
Dietetics - II (Theory)	2
Dietetics - II (Lab)	1
Infant and Young Child Feeding (Theory)	2
Infant and Young Child Feeding (Lab)	1
Clinical Biochemistry (Theory)	2
Clinical Biochemistry (Lab)	1
Research Methodology	3
Food Toxins & Allergens	3

Semester 7

Public Health Nutrition (Theory)	2
Public Health Nutrition (Lab)	1
Sports Nutrition (Theory)	2
Sports Nutrition (Lab)	1
Global Food Issues	3
Nutrition Policies and Programs	3
Nutritional Practices in Clinical Care (Theory)	2
Nutritional Practices in Clinical Care (Lab)	1
Research Project1/internship	3

Semester 8

Nutrition Epidemiology	3
Food Service Management	3
Nutrition Care in Emergencies Cases	3
Capstone Project	3
Drug and Nutrient interaction	3

BS

Optometry

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

General Anatomy (Theory)	2
General Anatomy (Lab)	1
General Physiology (Theory)	2
General Physiology (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Functional English	3
PHYSICAL EDUCATION	2
Fehm-e-Quran - I	1

Semester 2

General Pathology (Theory)	2
General Pathology (Lab)	1
Islamic Studies	2
General Pharmacology	3
Neuro Anatomy & Physiology (Theory)	2
HONeuro Anatomy & Physiology (Lab)	1
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Expository Writing	3
IDEOLOGY & CONSTITUTION OF PAKISTAN	2
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 3

OCULAR ANATOMY AND PHYSIOLOGY (Lab)	1
OCULAR ANATOMY AND PHYSIOLOGY (Theory)	2
QUANTITATIVE REASONING - I	3
Psychology	2
Civics and Community Engagement	3
Management of refractive errors	3

Semester 4

Anterior Segment Eye Disease (Theory)	2
Anterior Segment Eye Disease (Lab)	1
Ocular Therapeutics	3
Entrepreneurship	3
QUANTITATIVE REASONING - II	3
VISUAL OPTICS AND IMAGE PROCESSING	3
Ethical Practice in Optometry	2

Semester 5

Posterior Segment Eye Diseases (Theory)	2
Posterior Segment Eye Diseases (Lab)	1
Clinical Refraction (Theory)	2
Clinical Refraction (Lab)	1
Low Vision - I (Clinical Assessment & Management)	3
Instrumental Optics (Theory)	2
Instrumental Optics (Lab)	1
Ocular Microbiology (Theory)	2
Ocular Microbiology (Lab)	1
CLINICAL OPTOMETRIC PROCEDURES-I (Lab)	1
CLINICAL OPTOMETRIC PROCEDURES-I (Theory)	2

Semester 6

Dispensing Optics (Theory)	2
Dispensing Optics (Lab)	1
Contact Lens - I (Theory)	2
Contact Lens - I (Lab)	1
Low Vision - II (Advance Management & Rehab) (Theory)	2
Low Vision - II (Advance Management & Rehab) (Lab)	1
Pediatric Optometry	2
INVESTIGATIVE OPHTHALMOLOGY (Lab)	1
INVESTIGATIVE OPHTHALMOLOGY (Theory)	2
CLINICAL OPTOMETRIC PROCEDURES-II (Lab)	1
CLINICAL OPTOMETRIC PROCEDURES-II (Theory)	2

Semester 7

Clinical Orthoptics (Occular Motility and BSV) (Theory)	2
Clinical Orthoptics (Occular Motility and BSV) (Lab)	1
Contact Lens - II (Theory)	2
Contact Lens - II (Lab)	1
Research Methodolgy & Synopsis Writing	3
PUBLIC HEALTH AND COMMUNITY OPTOMETRY	3
GERIATRIC OPTOMETRY	2
INCLUSIVE EYE HEALTH	2

Semester 8

Clinical Optometry & Orthoptic Procedure (Theory)	2
Clinical Optometry & Orthoptic Procedure (Lab)	1
LEADERSHIP AND PRACTICE MANAGEMENT SKILLS	3
EVIDENCE BASED PRACTICE	2
CAPSTONE PROJECT	3
FIELD EXPERIENCE	3
Ophthalmic Lasers	3

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - I	1
Functional English	3
Introductory Physiology (Theory)	2
Introductory Physiology (Lab)	1
Islamic Studies	2
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Introductory Anatomy (Lab)	2
Introductory Anatomy (Lab)	1
Psychology	2
Pakistan Studies	2

Semester 2

General Pathology (Theory)	2
General Pathology (Lab)	1
Ideology and Constitution of Pakistan	2
Systemic Anatomy	2
Systemic Anatomy (Lab)	1
Applied Physiology (Lab)	2
Applied Physiology (Lab)	1
Expository Writing	3
Biochemistry	2
Biochemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Clinical Pharmacology-I	3
Medical Microbiology (Theory)	2
Medical Microbiology (Lab)	1
Systemic Pathology	2
Systemic Pathology(Lab)	1
Quantitative Reasoning I	3
Arts and Humanities (Linguistics)	2
Civics and Community Engagement	3

Semester 4

Clinical Pharmacology-II	3
Perioperative patient care	3
Epidemiology	3
Quantitative Reasoning II	3
Entrepreneurship	3
Pre-operative Assessment	2
Pre-operative Assessment (Lab)	1

Semester 5

Medical Ethics	2
General Anesthesia and Airway Management (Theory)	2
General Anesthesia and Airway Management (Lab)	1
Regional Anesthesia and Nerve Blocks (Theory)	2
Regional Anesthesia and Nerve Blocks (Lab)	1
Critical Incident Management	2
Geriatric and Obese Patients' Management	2
Infection Control	2
Geriatric and Obese Patients' Management (Lab)	1
Critical Incident Management (Lab)	1

Semester 6

Anesthesia for Orthopedic Surgery (Theory)	2
Anesthesia for Orthopedic Surgery (Lab)	1
Anesthesia for Cardiac Surgery	2
Anesthesia for Cardiac Surgery (Lab)	1
Anesthesia for Paediatrics Surgery	2
Anesthesia for Paediatrics Surgery (Lab)	1
Anesthesia for Urology Surgery	2
Anesthesia for Urology Surgery (Lab)	1
Obstetric Anesthesia	2
Obstetric Anesthesia (Lab)	1
Healthcare Management	2

Semester 7

Anesthesia for Thoracic Surgery	2
Anesthesia for Thoracic Surgery (Lab)	1
Research Methodology	2
Critical Care Management	3
Practice in Anesthesia Technology	3
Ambulatory and Out-Patient & ENT Surgery	2
Ambulatory and Out-Patient & ENT Surgery (Lab)	1
Post Anesthesia Care & Anesthesia for Eye Surgery	2
Post Anesthesia Care & Anesthesia for Eye Surgery (Lab)	1

Semester 8

Anesthesia for Neuro-surgery (Theory)	2
Chronic Pain Management	3
Anesthesia for Neuro-surgery (Lab)	1
Capstone Project	3
Field Experience/Internship	3
Anesthesia for Emergency Surgery	2
Anesthesia for Emergency Surgery (Lab)	1

BS

Operation Theatre Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Islamic Studies	2
Introductory Physiology (Theory)	2
Introductory Physiology (Lab)	1
Functional English	3
Introductory Anatomy (Theory)	2
Introductory Anatomy (Lab)	1
Applications of Information and Communication Technologies (Theory)	2
Applications of Information and Communication Technologies – Lab	1
Psychology	2
Pakistan Studies	2
Fehm-e-Quran - I	1

Semester 2

Applied Physiology (Theory)	2
Applied Physiology (Lab)	1
General Pathology (Theory)	2
General Pathology (Lab)	1
Systemic Anatomy (Theory)	2
Systemic Anatomy (Lab)	1
Ideology and Constitution of Pakistan	2
Expository Writing	3
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Systemic Pathology (Theory)	2
Systemic Pathology (Lab)	1
Medical Ethics	2
Microbiology (Theory)	2
Microbiology (Lab)	1
Arts and Humanities (Linguistics)	2
Quantitative Reasoning I	3
Civics and Community Engagement	3

Semester 4

Basic Epidemiology	3
Operating Room Design & Environment	3
Patient Care	2
General Pharmacology	3
Quantitative Reasoning II	3
Entrepreneurship	3

Semester 5

Operation Room Techniques (Theory)	2
Operation Room Techniques (Lab)	1
Medical Equipment Handling (Theory)	2
Medical Equipment Handling (Lab)	1
Central Sterile Service and Supply Department (Theory)	2
Central Sterile Service and Supply Department (Lab)	1
Pharmacology for Surgical Technologist	3
Principles of Surgery	2
Decontamination, Disinfection and Sterilization (Theory)	2
Decontamination, Disinfection and Sterilization (Lab)	1

Semester 6

Surgical Instrumentation and Equipment (Theory)	2
Surgical Instrumentation and Equipment (Lab)	1
Infection Control (Theory)	2
Introduction to Anesthesia and Techniques (Theory)	2
Introduction to Anesthesia and Techniques (Lab)	1
Fundamentals of Emergency Medical Care	3
Preoperative Laboratory and Radiological Investigations (Theory)	2
Preoperative Laboratory and Radiological Investigations (Lab)	1
Bio-materials & Surgical Implants	3

Semester 7

Research Methodology	2
General Surgery (Theory)	2
General Surgery (Lab)	1
Genitourinary Surgeries (Theory)	2
Genitourinary Surgeries (Lab)	1
Critical care (BLS & ACLS) - (Theory)	2
Critical care (BLS & ACLS) (Lab)	1
Leadership and Operation Theater Management	3
Practice in OT Technology (Lab)	3

Semester 8

Ophthalmic Surgery (Theory)	2
Ophthalmic Surgery (Lab)	1
Orthopedic Surgery (Theory)	2
Orthopedic Surgery (Lab)	1
Pediatric Surgeries (Theory)	2
Pediatric Surgeries (Lab)	1
Capstone Project	3
Field Experience/ Internship	3



BS

Public Health

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

Intermediate or equivalent with minimum 45% marks

Semester 1

Primary Health Care	3
Functional English	3
Natural Sciences - Theory (Life Science Biology)	2
Islamic Studies	2
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Social Sciences (Principle of Psychology)	2
Natural Sciences - Lab (Life Science Biology)	1
Pakistan Studies	2
Fehm-e-Quran - I	1

Semester 2

Sociology of Health and Diseases	3
Population Dynamics	3
Concept of Health and Disease	3
Personal Hygiene	3
Expository Writing	3
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - II	1

Semester 3

Medical Anthropology	3
Entomology	3
Arts and Humanities (Linguistics)	2
Social and Behavioral Aspects of Public Health	3
Quantitative Reasoning - II	3
Civics and Community Engagement	3

Semester 4

Professional Ethics	3
Basic Epidemiology	3
Health Promotion, Advocacy & Social Mobilization	3
Healthcare Entrepreneurship	3
Quantitative Reasoning - II	3
School Health	3

Semester 5

Community Nutrition	3
Community Pediatrics	3
Fundamental Principles of Infectious Disease	3
Non-Communicable Disease Epidemiology	3
Epidemiology of Infectious Diseases	3

Semester 6

Reproductive Health	3
Environment & Occupational Health	3
Health Policy and Planning	3
District Health Management	3
Research methodology	3
Health System	3

Semester 7

Microbiology (Lab)	1
Parasitology (Lab)	1
Microbiology (Theory)	2
Parasitology (Theory)	2
Mental Health	3
Quality Management in Health Care	3
Synopsis Writing	3

Semester 8

Health Professional Education	3
Health Marketing	3
Capstone Project	3
Internship/Field work	3
Health Economics	3

BS

Dental Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

Eligibility

FSc Pre-Medical or equivalent

Semester 1

Fehm-e-Quran - I	1
Anatomy - I (Lab)	1
Physiology - I (Theory)	2
Physiology - I (Lab)	1
Oral Biology (Theory)	2
Oral Biology (Lab)	1
Islamic Studies	3
Functional English	3
Anatomy - I (Theory)	2

Semester 2

Anatomy - II (Theory)	2
Anatomy - II (Lab)	1
Physiology - II (Theory)	2
Physiology - II (Lab)	1
Dental Morphology-I (Theory)	2
Dental Morphology-I (Lab)	1
Expository Writing	3
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - II	1
Pakistan Studies	2

Semester 3

Dental Materials - I (Theory)	2
Dental Materials - I (Lab)	1
General Pathology	3
Dental Radiology (Theory)	2
Dental Radiology (Lab)	1
"Applications of Information and Communication Technologies"	3
Quantitative Reasoning I	3
Social Entrepreneurship Program	3

Semester 4

Periodontology	3
Oral Pathology	3
Dental Materials - II (Theory)	2
Dental Materials - II (Lab)	1
Quantitative Reasoning II	3
Dental Morphology II (Theory)	2
Dental Morphology II (Lab)	1
Health care entrepreneurship	3

Semester 5

Healthcare Psychology	3
Introduction To Dental Laboratory	3
Fundamentals of Infection Control	3
Gnathological Concepts	3
Orthodontics-1 (Theory)	2
Orthodontics-1 (Lab)	1

Semester 6

Research Methodology	3
Removable Prosthodontics - I (Partial Denture) (Theory)	2
Removable Prosthodontics - I (Partial Denture) (Lab)	1
Removable Prosthodontics - II (Complete Denture) (Theory)	3
Removable Prosthodontics - II (Complete Denture) (Lab)	1
Orthodontics - II (Theory)	2
Orthodontics - II (Lab)	1
Community Awareness	3

Semester 7

Medical Emergencies In Dental Practice	3
Removable Prosthodontics - III (Cast Partial Denture) (Theory)	3
Removable Prosthodontics - III (Cast Partial Denture) (Lab)	1
Fixed Prosthodontics - I (Crown) (Lab)	2
Research Project	3
Fixed Prosthodontics-I (Crown) (Theory)	2
Field Experience	3

Semester 8

Maxillofacial Prosthodontics (Theory)	2
Maxillofacial Prosthodontics (Lab)	1
Leadership and Ethics	3
Fixed Prosthodontics - II (Bridge) (Lab)	2
Fundamental of Implant Prosthodontics (Lab)	1
Fundamental of Implant Prosthodontics (Theory)	2
Fixed Prosthodontics - II (Bridge) (Theory)	2
Capstone project	3

BS

Nanoscience and Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Biology	2
Biology (Lab)	1
Cell Biology (Lab)	1
Cell Biology (Theory)	2
Functional English	3
International Relations	2
Islamic Studies	2
Physical Education	2
Quantitative Reasoning	3
Fehm-e-Quran - I	1

Semester 2

Fehm-e-Quran - II	1
Applications of Information and Communication Technologies (Lab)	1
"Applications of Information and Communication Technologies"	2
Expository Writing	3
Fundamentals of Nanotechnology	3
Ideology and Constitution of Pakistan	2
Inorganic Chemistry (Lab)	1
Inorganic Chemistry (Theory)	2
Quantitative Reasoning II	3

Semester 3

Biology of Nanoscience (Lab)	1
Biology of Nanoscience (Theory)	2
Fundamental Physics-I	3
Introduction to Biotechnology	3
Physical Chemistry	3
Social Entrepreneurship Program	3
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 4

Analytical Chemistry (Lab)	1
Analytical Chemistry (Theory)	2
Biomaterials (Lab)	1
Biomaterials (Theory)	2
Biophotonics (Lab)	1
Biophotonics (Theory)	2
ETTP	3
Fundamental Physics-II	3
Human Physiology	2
Human Physiology (Lab)	1

Semester 5

Biosafety & Risk Management	2
Biosafety & Risk Management (Lab)	1
Immunology and Medical Nanotechnology	3
Industrial Biotechnology (Lab)	1
Industrial Biotechnology (Theory)	2
Nanosynthesis and Nanomaterial	3
Quantum Mechanics for Nanosciences	3
Research Methodology and Skill Enhancement	2

Semester 6

Bioinformatics (Lab)	2
Bioinformatics (Theory)	1
Biomechanics	3
Cell and Tissue Culture	3
Nano Biotechnology (Lab)	1
Nano Biotechnology (Theory)	2
Nanotoxicology and Ethics	2
Nanotoxicology and Ethics (Lab)	1
Seminar	1

Semester 7

Biochips and Microarray	3
Body Fluids and Function	3
Electronics	3
Field experience/internship	3
Nanotherapeutics	3

Semester 8

Capstone project	3
Drug Delivery and Nanotechnology	3
Nanobiosensors	3
Nanomedicine	3



BS

Sports Sciences and Physical Education

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

Eligibility

Intermediate or equivalent

Semester 1

Functional English	3
Islamic Studies	2
Introduction to Games	2
Applications of Information and Communication Technologies – Lab	2
Applications of Information and Communication Technologies – Lab	1
Social Sciences (Sports Psychology)	2
Biochemistry	2
Biochemistry (Lab)	1
Pakistan Studies	2
Fehm-e-Quran - I	1

Semester 2

Human Physiology (Theory)	2
Human Physiology (Lab)	1
Exercise Physiology	1
Exercise Physiology (Lab)	2
Introductory Anatomy	2
Introductory Anatomy (Lab)	1
Ideology and Constitution of Pakistan	2
Expository Writing	3
Natural Sciences (Fundamental of Physics)	3
Fehm-e-Quran - II	1

Semester 3

Philosophical Basis of Physical Education	3
Science of Sports Training	3
Badminton Skills, Rules, Officiating and Measurements (lab)	2
Badminton Skills, Rules, Officiating and Measurements (Theory)	1
Quantitative Reasoning I	3
Arts and Humanities (Linguistics)	2
Civics and Community Engagement	3

Semester 4

Physical Education for Special Population	3
Sports Nutrition	3
Planning sports Facilities	3
Track Events, Sprint, Middle & Long Distance races, Skills, Rules and Officiating (Lab)	2
Track Events, Sprint, Middle & Long Distance races, Skills, Rules and Officiating (Theory)	1
Quantitative Reasoning II	3
Entrepreneurship	3

Semester 5

Critical Thinking and Reasoning in Sports	3
Sports Biomechanics (Lab)	1
Sports Biomechanics (Theory)	2
Talent Identification in Sports	3
Administration and Management in Sports	3
Football skills, Rules, Officiating and Measurement (Theory)	2
Football skills, Rules, Officiating and Measurement (Lab)	1

Semester 6

Test, Measurement & Evaluation in Physical Education & Sports	3
Sports Medicine	3
Sports Sociology	3
Field Events: Throws & Jumps, Skills, Rules and Athletics Officiating (Lab)	2
Field Events: Throws & Jumps, Skills, Rules and Athletics Officiating (Theory)	1
Physical fitness and Physical efficiency tests (Lab)	2
Physical fitness and Physical efficiency tests (Theory)	1

Semester 7

Scientific Sports Coaching	3
Basketball skills, rules, officiating and measurement (Lab)	2
Basketball skills, rules, officiating and measurement (Theory)	1
Trauma & Rehabilitation	3
GAdapted Physical Education	2
Adapted Physical Education (Lab)	1
Research Methodology	3

Semester 8

Curriculum Development in Physical Education	3
Table tennis skills, rules, officiating & measurement (Lab)	2
Table tennis skills, rules, Officiating & measurement (Theory)	1
Gymnastic skills and officiating (Lab)	2
Gymnastic skills and officiating (Theory)	1
Capstone Project	3
Field Experience / Internship	3

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

Eligibility

FSc Pre-Medical or equivalent

Semester 1

Fehm-e-Quran - I	1
Anatomy - I (Theory)	2
Anatomy - I (Lab)	1
Physiology - I (Theory)	2
Physiology - I (Lab)	1
Oral Biology (Theory)	2
Oral Bioly (Lab)	1
Islamic Studies	3
Functional English	3

Semester 2

Anatomy - II (Theory)	2
Anatomy - II (Lab)	1
Dental Morphology-I (Theory)	2
Dental Morphology-I (Lab)	1
Physiology - II (Theory)	2
Physiology - II (Lab)	1
Expository Writing	3
Ideology and Constitution of Pakistan	2
Pakistan studies	2
Fehm-e-Quran - II	1

Semester 3

Dental Materials - I (Theory)	2
Dental Materials - I (Lab)	1
Social Entrepreneurship Program	3
General Pathology	3
Dental Radiology (Theory)	2
Dental Radiology (Lab)	1
" Applications of Information and Communication Technologies"	3
Quantitative Reasoning I	3

Semester 4

Basic Periodontology (Theory)	2
Basic Periodontology (Lab)	1
Dental Morphology II (Theory)	2
Dental Morphology II (Lab)	1
Oral Pathology	3
Quantitative Reasoning II	3
Health care entrepreneurship	3
Dental Materials - II (Theory)	2
Dental Materials - II (Lab)	1

Semester 5

Advanced Periodontology II (Theory)	2
Advanced Periodontology II (Lab)	1
Healthcare Psychology	3
Fundamentals of Infection Control	3
Orthodontics	3
Dental Pharmacology	3

Semester 6

Preventive Dentistry (Theory)	2
Preventive Dentistry (Lab)	2
Research Methodology	3
Dental Instrumentation	3
Community Awareness	3
Oral Medicine - I (Theory)	2
Oral Medicine - I (Lab)	1

Semester 7

Research Project	3
Pedodontics - I (Theory)	2
Pedodontics (Lab)	1
Dental Pain Management (Theory)	2
Dental Pain Management (Lab)	1
Community Dentistry - I (Theory)	2
Community Dentistry - I (Lab)	1
Medical Emergencies In Dental Practice/ Laboratory	3
Clinical Practice I	3

Semester 8

Management of Patients with Special Needs	3
Capstone project	3
Integrated Clinical Rotation	3
Professional Development	3
Prosthodontics	3

BS

Aesthetics and Cosmetology

Course Duration	4 Years
Semesters	8
Total Credit Hours	139

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - I	1
Anatomy (Theory)	2
Anatomy (Lab)	1
Physiology (Theory)	2
Physiology (lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Islamic studies	2
English I (Functional)	3
Introduction to Information and Communication Technology – Lab	2
Introduction to Information and Communication Technology – Lab	1

Semester 2

Fundamentals of Skincare (Lab)	1
Pathology	3
Ideology and Constitution of Pakistan	2
English II (Expository Writing)	3
International Relations	2
Anatomy & Physiology of Skin (Lab)	1
Anatomy & Physiology of Skin	2
Fundamentals of Skincare (Theory)	2
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 3

Electronic Therapies (Theory)	2
Electronic Therapies (Lab)	1
Quantitative Reasoning I (Mathematics)	3
Organic Chemistry	2
Organic Chemistry (Lab)	1
Nutrition Sciences	3
Social Entrepreneurship Program	3
Photobiology & Phototherapy (Theory)	2
Photobiology & Phototherapy (Lab)	1

Semester 4

Physical Education	2
Quantitative Reasoning II (Biostatistics)	3
Healthcare Entrepreneurship	3
Behavioral Sciences	2
Skin Diseases-I (Infection & Infestation)	4
Cosmetic Sciences-I (manufacturing, labelling, packaging & dispensing of formulated product) -Lab	2
Cosmetic Sciences-I (manufacturing, labelling, packaging & dispensing of formulated product) -Lab	1

Semester 5

Medical Ethics	2
Cosmetic Sciences-II (chemical analysis & stability of formulated product)	2
Cosmetic Sciences-II (chemical analysis & stability of formulated product) -Lab	1
Clinical Pharmacology	3
Laser Treatments in Aesthetics (Lab)	2
Laser Treatments in Aesthetics (Lab)	1
Medical Emergency Management (Lab)	1
Medical Emergency Management	2
Burn & wound Management	3

Semester 6

Skin diseases-IV (disorders of pigmentation)	2
Skin diseases-IV (disorders of pigmentation) -Lab	1
Dermatology and Internal Medicine (Lab)	1
Dermatology and Internal Medicine (Theory)	2
Supervised Aesthetic Procedures-I (Lab)	1
Supervised Aesthetic Procedures-I (Theory)	2
Aesthetic Consultation	3
Therapeutics in Aesthetic	3
Physiology of Aging and Anti- Aging Treatments	3

Semester 7

Biostatistics and Research Methodology (Evidence Based Practices)	3
Regulation & Legislation of Cosmetic Products	2
Clinical Rotations (Internship)	3
Skin Diseases-III (appendageal disorders) (Theory)	2
Skin Diseases-III (appendageal disorders) (Lab)	1
Supervised Aesthetic Procedures-II (Theory)	2
Supervised Aesthetic Procedures-II (Lab)	1
Psychosocial Impact of Skin Disease and Community Dermatology	2

Semester 8

Capstone Project/ Research Project	4
Biomedical Waste Management & Infection Control	3
Adverse Effects of Cosmetics and Drugs	3
Skin care in all ages	3
Business operations and Marketing	3

BS

Renal and Dialysis Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - I	1
Biochemistry (Theory)	2
Physiology (Theory)	2
Physiology (Lab)	1
Biochemistry (Lab)	1
Human Anatomy-I (Theory)	2
Human Anatomy-I (Lab)	1
Functional English	3
Islamic Studies/ Ethics	2
Introduction to Information & Communication Technologies (Theory)	2
Introduction to Information & Communication Technologies (Lab)	1

Semester 2

Pathology (Theory)	2
Anatomy and Physiology of Kidney (Theory)	2
Anatomy and Physiology of Kidney (Lab)	1
Expository Writing	3
International Relations	2
Medical Microbiology (Theory)	2
Medical Microbiology (Lab)	1
Clinical Renal pathology (Lab)	1
Ideology and constitution of Pakistan	2
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 3

Hematology (Theory)	2
Hematology (Lab)	1
Quantitative Reasoning I (Mathematics)	3
Pharmacology (Theory)	2
Pharmacology (Lab)	1
Medical Ethics	3
Social Entrepreneurship Program	3

Semester 4

Healthcare Entrepreneurship	3
Quantitative Reasoning II	3
Assessment of Renal Function (Theory)	2
Assessment of Renal Function (Lab)	1
Principals of Dialysis and Urea Kinetic Modeling	3
Physical Education	2

Semester 5

Fluid & Electrolyte imbalances in Dialysis	3
Dietary Approaches for Dialysis Modalities (Theory)	2
Vascular Access & Hemodialysis Procedure (Theory)	2
Vascular Access & Hemodialysis Procedure (lab)	1
Clinical Renal pathology (Lab)	1
Clinical Renal pathology (Theory)	2
Principle and Procedure of Dialysis	2
Complications of Hemodialysis (Theory)	2
Complications of Hemodialysis (Lab)	1
Dietary Approaches for Dialysis Modalities (Lab)	1

Semester 6

Acute and Chronic Hemodialysis Prescription (Lab)	1
Complications of Peritoneal Dialysis	1
Healthcare Management	2
Renal Pharmacology	3
Complications of Peritoneal Dialysis	2
Acute and chronic Hemodialysis prescription (Theory)	2
Fundamentals of Peritoneal Dialysis Techniques	2
Dialysis in special situations	3

Semester 7

Pediatric Dialysis (Theory)	2
Pediatric Dialysis (Lab)	1
Urological procedures (Theory)	2
Urological procedures Lab	1
Renal replacements therapies	3
Reproductive health challenges in Dialysis	3
Renal emergency	2
Evidence based practice	2

Semester 8

Anti-coagulation techniques	2
Kidney transplantation; Assessment and management	2
Research methodology & Research Project	3
Field Experience	3
Advancements in dialysis modalities	2
Palliative care in Nephrology	3

BS

Audiology

Course Duration	4 Years
Semesters	8
Total Credit Hours	142

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Anatomy-I (Theory)	2
Anatomy-I (Lab)	1
Physiology-I (Theory)	2
Physiology-I (Lab)	1
Islamic Studies	2
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Functional English	3
Medical Ethics	3
Fehm-e-Quran - I	1

Semester 2

Physiology-II (Theory)	2
Physiology-II (Lab)	1
Anatomy-II (Theory)	2
Anatomy-II (Lab)	1
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Ideology and Constitution of Pakistan	2
Arts And Humanities (Physical Education)	2
Fehm-e-Quran - II	1

Semester 3

Introduction to Audiology-I	3
General Pathology (Theory)	2
General Pathology (Lab)	1
Acoustics	3
Medical Sociology	2
Clinical Pharmacology	3
Pakistan Studies	3

Semester 4

Quantitative Reasoning	3
Clinical Psychology	3
Auditory Sciences	3
Basic Electronics of Audiology	2
Basic Electronics of Audiology (Lab)	1
Developmental Pediatrics	3
Civics and Community Engagement	3

Semester 5

Medical Audiology I	2
Medical Audiology I (Lab)	1
Diagnostic Audiology I (Lab)	2
Diagnostic Audiology I (Lab)	1
General Surgery	3
Community Based Rehabilitation	3
Vestibular Anatomy	3
Pediatric Audiology	3

Semester 6

Rehabilitation Sciences	3
Medical Audiology II	2
Medical Audiology II (Lab)	1
Diagnostic Audiology II (Lab)	2
Diagnostic Audiology II (Lab)	1
Vestibular Disorder	2
Vestibular Disorder (Lab)	1
Entrepreneurship	3
Evidence Based Practice	3

Semester 7

Hearing Aids	3
Balance Assessment I	3
Augmentative & Assistive listening Devices	3
Supervised Clinical Practice I	3
Assessment & Evaluation	3
Aural Rehabilitation	3

Semester 8

Research project	3
Balance Assessment II	3
Implantable Devices	3
Seminar (Case Presentation)	3
Supervised Clinical Practice II	3
Geriatric Audiology	3

BS

Occupational Therapy

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

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

Semester 1

Physiology I (Theory)	2
Physiology I (Lab)	1
Islamiyat / Ethics	2
Anatomy I (Theory)	2
Anatomy I (Lab)	1
Biochemistry	2
Biochemistry (Lab)	1
Medical Ethics	3
Functional English	3
Fehm-e-Quran - II	1

Semester 2

Physiology II (Theory)	2
Physiology II (Lab)	1
Anatomy II (Theory)	2
Anatomy II (Lab)	1
Applications of Information & Communication Technologies	2
Applications of Information & Communication Technologies (Lab)	1
Expository Writing	3
Ideology & Constitution of Pakistan	2
Arts and Humanities (Physical Education)	2
Fehm-e-Quran - II	1

Semester 3

Introduction to Occupational Therapy	3
Kinesiology (Theory)	2
Kinesiology (Lab)	1
Medical sociology	2
Clinical Pharmacology	3
General Pathology (Lab)	2
General Pathology (Lab)	1
Pakistan Studies	2

Semester 4

Clinical Psychology	3
Developmental Pediatrics	3
Muscle Testing (Theory)	2
Muscle Testing (Lab)	1
Occupational Theory & Therapy in Pediatrics (Theory)	2
Occupational Theory & Therapy in Pediatrics (Lab)	1
Quantitative Reasoning	3
Civics and Community Engagement	3

Semester 5

Basic Therapeutic Activities (Theory)	2
Basic Therapeutic Activities (Lab)	1
Community Based Rehabilitation	3
General Surgery	3
Psychiatry	3
Occupational Therapy in Psychiatry	2
Occupational Therapy in Psychiatry (Lab)	1
Biomechanics & Ergonomics	3

Semester 6

Rehabilitation Sciences	3
Occupational Theory & Therapy (Theory)	2
Occupational Theory & Therapy (Lab)	1
Organization & Administration in Occupational Therapy	2
Group Process in Occupational Therapy	2
Entrepreneurship	3
Evidence Based Practice	3

Semester 7

Assessment and Evaluation in Occupational Therapy	2
Occupational Therapy in Musculoskeletal (Theory)	2
Occupational Therapy in Musculoskeletal (Lab)	1
Supervised Clinical Practice-I	3
Prosthetics and Orthotics	3
Occupational Theory & Therapy - II (Theory)	2
Occupational Theory & Therapy - II (Lab)	1
Occupational Therapy in Mental Health	2
Occupational Therapy in Mental Health (Lab)	1

Semester 8

Supervised Clinical Practice-II	3
Occupational Therapy in Rehabilitation	3
Occupational Therapy in Geriatrics & Gerontology (Theory)	2
Occupational Therapy in Geriatrics & Gerontology (Lab)	1
Research Project	3
Seminar (Case Presentation)	3
Advance Therapeutic use of Occupations/ Activities	2
Advance Therapeutic Use of Occupations/ Activities (Lab)	1

BS

Cardiac Perfusion

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

Eligibility

FSc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - II	1
Anatomy-I (Lab)	1
Islamic Studies	2
Physiology-I (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Functional English	3
Introduction of Information and Communication Technologies – Lab	2
Introduction of Information and Communication Technologies – Lab	1
Anatomy-I (Theory)	2
Physiology-I (Theory)	2

Semester 2

Cardiac Anatomy-II (Theory)	2
Cardiac Anatomy-II (Lab)	1
Cardiac Physiology-II (Theory)	2
Cardiac Physiology-II (Lab)	1
Medical Physics	2
Ideology and Constitution of Pakistan	2
Expository Writing	3
International Relations	3
Pakistan Studies	2
Fehm-e-Quran - II	1

Semester 3

Pathology	3
Medical Ethics	2
Haematology	2
Biomechanics	3
Quantitative Reasoning - I	3
Physical Education	2
Social Entrepreneurship Program	3

Semester 4

Perfusion Technology-I (Lab)	1
Management of the CPB Perfusion	3
Blood Gases and Blood Conservation	2
Solutions and Haemodilution Myocardial Perfusion (Theory)	2
Solutions and Haemodilution Myocardial Perfusion (Lab)	1
Healthcare Entrepreneurship	3
Perfusion Technology-I (Theory)	2
Quantitative Reasoning - II	3

Semester 5

Pharmacology	3
Perfusion Technology-II	3
Extracorporeal Circuitry and Laboratory	2
Applied Medicine	3
Applied Surgery	3
Advance Cardiac Life Support (Theory)	2
Advance Cardiac Life Support (Lab)	1

Semester 6

Microbiology	2
Advances in Perfusion Technology (Theory)	2
Advances in Perfusion Technology (Lab)	1
Biotechnology	2
Patient Care	2
Diagnostic Equipments in Cardiology (Theory)	2
Diagnostic Equipments in Cardiology (Lab)	1
Ventricular Assistant Devices (Theory)	2
Ventricular Assistant Devices (Lab)	1

Semester 7

Practical Perfusion Technology and Adult Perfusion	3
Practical Performing of Cpb Perfusion	3
Practical Cardiac Cath Lab-I and Clinical Practice	3
Cardic Physiology and Clinical Practice on ECG	3
Paeds Perfusion /Accidents (Theory)	2
Paeds Perfusion /Accidents (Lab)	1

Semester 8

Practical Cardiac Cath Lab-II and Clinical Practice	3
Practical Paeds Perfusions and Accidents	3
Research Project	4
Field Experience/Clinical Rotation	4
Healthcare Management	2

BS

Radiation Therapy Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

12 Year of Education, Higher secondary school certificate/ Intermediate-F.Sc (pre-medical) or equivalent

Semester 1

General Anatomy (Theory)	2
General Anatomy (Lab)	1
General Physiology (Theory)	2
General Physiology (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Functional English	3
Physical Education	2
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - I	1
Pakistan Studies	2

Semester 2

Islamic Studies/Religious Education/Ethics	2
Clinical Anatomy (Theory)	2
Clinical Anatomy (Lab)	1
Clinical Physiology (Theory)	2
Embryology	3
Clinical Physiology (Lab)	1
International Relations	2
General Pathology	3
Fehm-e-Quran - II	1

Semester 3

Expository Writing	3
Radiation Sciences	3
Quantitative Reasoning I	3
Sectional Imaging Anatomy for Radiation Oncology	3
Behavioural Sciences	2
Civics and Community Engagement	3

Semester 4

Entrepreneurship	3
Quantitative Reasoning II	3
Introduction To Oncology and Radiotherapy	3
Patient Care	
Applications Of Information & Communication Technologies (Theory)	2
Application of Information and Communication Technologies (Lab)	1
Clinical Pathology (Theory)	
Clinical Pathology (Lab)	2
	1

Semester 5

Imaging Principles and Analysis in Radiation Therapy	3
Clinical Radiation Generators	3
Radiopharmaceuticals	3
Radiation Techniques And Equipment & Protection	2
Radiation Techniques and Equipment & Protection (Lab)	1
Dosimetry	2
Radiobiology	2
Applied Surgery	2

Semester 6

Clinical Oncology	3
Leadership & Governance	2
Healthcare Setup Management	2
Adaptive Radiation Therapy (Theory)	2
Evidence Based Practice	2
Applied Medicine	2
Adaptive Radiation Therapy (Lab)	1
Research Methodology & Synopsis Writing	3

Semester 7

Applied Radiation Management	3
Nuclear Medicine	3
Capstone Project	3
Healthcare Management in Radiation Therapy	3
Soft Tissue Cancer Management	2
Quality Assurance and Management in Radiation Oncology	3

Semester 8

Bone Cancer Management	3
Radiation Therapy in Pediatric Oncology	3
Stretotactic Radiosurgery and Proton Therapy	3
Advances in Neurooncology	3
Field Experience/Internship	3

BS

Emergency and Intensive Care Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	139

Eligibility

12 Year of Education, Higher secondary school certificate/
Intermediate -F.Sc pre-medical or equivalent

Semester 1

Fehm-e-Quran - I	1
Anatomy (Theory)	2
Anatomy (Lab)	1
Physiology (Theory)	2
Biochemistry (Lab)	2
Biochemistry (Lab)	1
Islamic Studies / Ethics	2
Functional English	3
Applications of Information and Communication Technologies – Lab	2
Applications of Information and Communication Technologies – Lab	1
Physiology (Lab)	1

Semester 2

Fehm-e-Quran - II	1
Clinical microbiology	2
Medical Ethics	2
Ideology and Constitution of Pakistan	2
Expository Writing	
International Relations	3
Pakistan Studies	2
General Pathology	2
	3

Semester 3

Biosafety-Patient and instrument safety	3
Clinical Pharmacology	3
Principle and Technique in Intensive Care Unit	3
Quantitative Reasoning II	3
Social Entrepreneurship Program	3
Physical Education	2

Semester 4

Quantitative Reasoning II	3
Critical care and emergency management	3
Diagnostic Imaging & Emergency Measures (Theory)	2
Diagnostic Imaging & Emergency Measures (Lab)	1
Trauma & Surgical Emergencies (Theory)	2
Trauma & Surgical Intensive Care (Lab)	1
Healthcare Entrepreneurship	3

Semester 5

Cardiovascular Emergency	3
Fundamentals of Infection Prevention and Infection Control	3
Medical Equipment Handling (Lab)	2
Medical Equipment Handling (Lab)	1
Basic and Advance Life Support	3
Shock Management	3
Medical Emergencies	3

Semester 6

Biostatistics and Research Methodology	2
Biostatistics and Research Methodology	1
Basic Nursing Skills and Patient care (Theory)	2
Basic Nursing Skills and Patient care (Lab)	1
Disaster Management	3
Forensic Medicine	2
Forensic Medicine (Lab)	1
Burns and Toxicology (Lab)	2
Burns and Toxicology (Lab)	1
Fundamentals of Emergency Medical Care	3

Semester 7

Pediatric emergency & Intensive Care	3
Obstetrical Emergency & Intensive Care	3
Geriatric Emergency & Intensive Care	3
Respiratory Emergencies & ICU Care (Theory)	2
Respiratory Emergencies & ICU Care (Lab)	1
Neurological Emergencies	3
Field Experience	3

Semester 8

Research Project	4
Healthcare Management	3
Trends In Emergency and Medical Services	3
Procedures and Therapeutic Events	3
Ambulance Operations	3
Practical ICU	2

BS

Food Safety and Quality Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

12 Year of Education, Higher secondary school certificate/ Intermediate -FSc , I.Com, ICS, Pre- Engineering , Pre-Medical or equivalent

Semester 1

Fehm-e-Quran - I	1
Functional English	3
Islamic Studies / Ethics	2
Basic Agriculture	3
Introduction to Food Science and Technology (Theory)	2
Introduction to Food Science and Technology (LAB)	1
Introduction to Food Science and Technology (LAB)	3
Introduction to Biotechnology Ideology and Constitution of Pakistan	2

Semester 2

Physical Education	2
Food Safety and Hygiene	3
Marketing and Agribusiness	3
Expository Writing	3
"Applications of Information and Communication Technologies"	2
"Applications of Information and Communication Technologies (Lab)"	1
Introduction to Biochemistry (Lab)	2
Introduction to Biochemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Food Processing and Preservation (Theory)	2
Food Processing and Preservation (LAB)	1
Quantitative Reasoning I	3
International Relations	2
Human Resource Management	3
Civics and Community Engagement	3
Pakistan Studies	2

Semester 4

Food Chemistry	3
Food Microbiology (Theory)	2
Food Microbiology (LAB)	1
Post-Harvest Technology (Theory)	2
Post-Harvest Technology (Lab)	1
Instrumental Techniques in Food Analysis (Lab)	2
Instrumental Techniques in Food Analysis (Theory)	1
Quantitative Reasoning II	3
Entrepreneurship	3

Semester 5

Food Waste Management	3
Introduction to Food Quality Systems	3
Food Packaging (Theory)	2
Food Packaging (Lab)	1
Occupational and Health Safety Systems	3
Pre-requisite Programs in Food Safety and Quality	3
Food Plant Layout and Sanitation	3

Semester 6

Risk Assessment and Control Plans	3
Introduction to Food Labelling	3
Introduction to Logistics Management	3
Halal and Ethnic Food Management	3
Food Laws and Regulations	3
Research Methodology	3

Semester 7

Introduction to Food Supply Chain	3
Introduction to Food Fraud Mitigation	3
Global Good Agricultural Practices	3
Introduction to Food Retail	3
Audit and Inspection Techniques	3
Internship	3

Semester 8

Food Safety Management Systems	3
Food Toxins and Allergens	3
Consumer Preferences and Perception	3
Capstone Project	3
Integrated Pest Management	3

BS

Food Science and Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	141

Eligibility

Intermediate or equivalent with minimum 45% marks

Semester 1

Fehm-e-Quran - I	1
Basic Agriculture	3
English - I (Functional English)	3
Introduction to Food Science and Technology (Theory)	2
Introduction to Food Science and Technology (Lab)	1
Islamic Studies	2
Introduction to Biotechnology	3
Ideology and Constitution of Pakistan	2

Semester 2

Physical Education	2
Principles of Human Nutrition	3
Marketing and Agriculture Business	3
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Expository Writing	3
Introduction to Biochemistry (Lab)	2
Introduction to Biochemistry (Lab)	1
Fehm-e-Quran - II	1

Semester 3

Food Processing & Preservation (Theory)	2
Food Processing & Preservation (Lab)	1
International Relations	2
Quantitative Reasoning-I	3
Human Resource Management	3
Civics and Community Engagement	3
Pakistan Studies	2

Semester 4

Food Safety and Quality Management	3
Food Microbiology	2
Food Microbiology (Lab)	1
Entrepreneurship	3
Quantitative Reasoning II	3
Food Analysis (Theory)	1
Food Analysis (Lab)	2
Public Health Nutrition (Lab)	2
Public Health Nutrition (Lab)	1

Semester 5

Food Chemistry	3
Beverage Technology (Theory)	2
Beverage Technology (Lab)	1
Sugar Technology (Theory)	2
Sugar Technology (Lab)	1
Unit Operations in Food Science and Technology (Lab)	2
Unit Operations in Food Science and Technology (Lab)	1
Cereal Technology	3
Technology of Fats and Oils	3

Semester 6

Extrusion Technology	3
Food Laws & Regulations	3
Food Plant Layout and Sanitation	3
Postharvest Technology (Theory)	2
Postharvest Technology (Lab)	1
Dairy Science and Technology (Lab)	1
Dairy Science and Technology (Theory)	2
Research Methodology	3

Semester 7

Food Service Management	3
Food Packaging (Theory)	2
Food Packaging (Lab)	1
Confectionery and Snack Foods (Theory)	2
Confectionery and Snack Foods (Lab)	1
Meat Science and Technology	3
Bakery Products Technology	3
Internship	3

Semester 8

Food Toxins and Allergens	6
Food Process Engineering (Theory)	2
Food Process Engineering (Lab)	1
Food Product Development (Theory)	2
Food Product Development (Lab)	1
Global Food Issues	3
Capstone Project	3

BS

in Diagnostic Ultrasound Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

Eligibility

F.Sc (Pre-Medical) or equivalent with minimum 45% marks

Semester 1

General Anatomy (Theory)	2
General Anatomy (Lab)	1
General Physiology (Theory)	2
General Physiology (Lab)	1
Biochemistry (Theory)	2
Biochemistry (Lab)	1
Physical Education	2
Functional English	3
Ideology and Constitution of Pakistan	2
Fehm-e-Quran - I	1
Pakistan Studies	2

Semester 2

Islamic Studies / Ethics	2
Embryology	3
Regional Anatomy (Extremities & Thorax)	2
Regional Anatomy (Extremities & Thorax) Lab	1
International Relations	2
Expository Writing	3
General Pathology	3
Fehm-e-Quran - II	1

Semester 3

Civics and Community Engagement	3
Quantitative Reasoning -I	3
Regional Anatomy (Abdomen & Pelvis)	2
Regional Anatomy (Abdomen & Pelvis) Lab	1
Sonographic Physics & Instrumentation	3
Applications Of Information & Communication Technologies	3
Patient Care	2

Semester 4

Clinical Pharmacology	3
Quantitative Reasoning -II	3
Neuro-sonography (theory)	2
Neuro-sonography (Lab)	1
Entrepreneurship	3
Neuroanatomy (head and neck) (theory)	2
Neuroanatomy (head and neck) (lab)	1
Advanced pathology	3

Semester 5

Abdominal Ultrasound (Theory)	2
Abdominal Ultrasound (Lab)	1
Applied Surgery	2
Gynecological Ultrasound (Theory)	2
Gynecological Ultrasound(Lab)	1
Applied Medicine	2
Obstretical Ultrasound - I (Theory)	2
Obstretical Ultrasound - I (Lab)	1
Elastography (Theory)	2
Elastography (Lab)	1

Semester 6

Small Parts Ultrasound (Theory)	2
Small Parts Ultrasound (Lab)	1
Doppler Physics & Instrumentation	3
Vascular Ultrasound (Theory)	2
Vascular Ultrasound (Lab)	1
Leadership & Governance	2
Obstretical Ultrasound II (Theory)	2
Obstretical Ultrasound II (Lab)	1
Research Methodology & Synopsis Writing	2

Semester 7

Evidence Based Practice	2
Musculoskeletal Ultrasound (Theory)	2
Musculoskeletal Ultrasound (Lab)	1
Differential Diagnosis and Clinical Decision Making	3
Capstone Project	3
Echocardiography (Theory)	2
Echocardiography (Lab)	1
Advancements in Ultrasound Technology	2

Semester 8

Pediatric Ultrasound Imaging (Theory)	2
Pediatric Ultrasound Imaging (Lab)	1
Behavioural Sciences	2
Health Care Setup & Management	2
Interventional Ultrasound (Theory)	2
Interventional Ultrasound(Lab)	1
Critical Thinking & Trouble Shooting in Emergency	2
Field Experience/Internship	3
Advanced Teleultrasound and Health Informatics	2

Bachelor

in Nursing
(Post RN)

Course Duration	2 Years
Semesters	4
Total Credit Hours	65

Eligibility

Qualification : a. Matric with Science (Biology, Chemistry & Physics as compulsory subjects) or Matric Arts as per HEC Notification No.8 (61)/A&A/018/HEC/5998dt.06.04.2018

b. Diploma in Nursing
c. Diploma in Midwifery (any POST Basic Speciality for male in lieu of midwifery)
Experience : 01 year as RN

Semester 1

Fehm-e-Quran - I	1
Biochemistry	2
Health Assessment	3
Advance concept in Nursing I (Adult Health Nursing)	4
English I (Functional)	2
Computer skills & Information Technology	3
Pharmacology	3

Semester 2

Introduction to Biostatistics	2
English II (Academic)	2
Culture, Health & Society	2
Epidemiology	2
Pathophysiology and Pharmacology- II	3
Introduction to Nursing Models & Theories	2
Advance concepts in Nursing- II (Mental Health Nursing)	4
Fehm-e-Quran - II	1

Semester 3

Advance Concepts Nursing-III (CHN)	4
Introduction to Research	3
Professional Development and Ethics	3
English III (Professional Writing)	2
Pak Studies	1
Principle of Teaching and Clinical Preceptorship	3

Semester 4

English IV (Scholarly writing)	2
Islamic studies	2
Research/ Evidence based Elective project Practicum	4
	6



BS

in Nursing

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

Qualification: a. Matric with Science (Physics, Chemistry & Physics as compulsory subjects)
 b. FSc Pre-Medical with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects)

Age Limit :14-35 Years
 Gender Ratio : Open Merit

Semester 1

Fehm-e-Quran - I	1
Microbiology	2
Biochemistry	2
English – Functional English	3
Fundamentals of Nursing – I	3
Anatomy and Physiology-I	3
Ideology and Constitution of Pakistan	2
Information and Communication Technology	2

Semester 2

Fundamentals of Nursing – II	4
Quantitative Reasoning – I	3
Anatomy and Physiology-II	3
Applied Nutrition	2
Theoretical Basis of Nursing	2
Islamic Studies / Ethics	2
Fehm-e-Quran - II	1

Semester 3

Professional Communication Skills	3
Clinical Pharmacology and Drug Administration – I	2
Medical Surgical Nursing – I	7
Health Assessment -I	2
Pathophysiology – I	3

Semester 4

Applied Psychology	3
Medical Surgical Nursing – II	7
Health Assessment-II	2
Pathophysiology – II	2
Clinical Pharmacology and Drug Administration – II	2
Professional Ethics for Nurses	2

Semester 5

Civics and Community Engagement	2
Pediatric Health Nursing	7
Maternal, Neonatal and Child Health Nursing	3
Epidemiology	2
Infectious Diseases	2

Semester 6

Principles of Teaching & Learning	3
Public Health Nursing	4
Mental Health Nursing	6
Introduction to Biostatistics (QR II)	3
Culture, Health and Society	2

Semester 7

Leadership & Management	3
Critical Care Nursing	7
Introduction to Nursing Research	3
Entrepreneurship	3
Elective Placeholder - XXII	2

Semester 8

Geriatric Nursing	3
Trends and Issues in Health Care	2
Expository Writing	3
Elective Placeholder-I	3
Clinical Practicum	4

BS

Respiratory Therapy

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

Qualification: a. Matric with Science (Physics, Chemistry & Physics as compulsory subjects)
 b. FSc Pre-Medical with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects)

Age Limit :14-35 Years
 Gender Ratio : Open Merit

Semester 1

Fehm-e-Quran - I	1
Microbiology	2
Biochemistry	2
English – Functional English	3
Fundamentals of Nursing – I	3
Anatomy and Physiology-I	3
Ideology and Constitution of Pakistan	2
Information and Communication Technology	2

Semester 2

Fundamentals of Nursing – II	4
Quantitative Reasoning – I	3
Anatomy and Physiology-II	3
Applied Nutrition	2
Theoretical Basis of Nursing	2
Islamic Studies / Ethics	2
Fehm-e-Quran - II	1

Semester 3

Professional Communication Skills	3
Clinical Pharmacology and Drug Administration – I	2
Medical Surgical Nursing – I	7
Health Assessment -I	2
Pathophysiology – I	3

Semester 4

Applied Psychology	3
Medical Surgical Nursing – II	7
Health Assessment-II	2
Pathophysiology – II	2
Clinical Pharmacology and Drug Administration – II	2
Professional Ethics for Nurses	2

Semester 5

Civics and Community Engagement	2
Pediatric Health Nursing	7
Maternal, Neonatal and Child Health Nursing	3
Epidemiology	2
Infectious Diseases	2

Semester 6

Principles of Teaching & Learning	3
Public Health Nursing	4
Mental Health Nursing	6
Introduction to Biostatistics (QR II)	3
Culture, Health and Society	2

Semester 7

Leadership & Management	3
Critical Care Nursing	7
Introduction to Nursing Research	3
Entrepreneurship	3
Elective Placeholder - XXII	2

Semester 8

Geriatric Nursing	3
Trends and Issues in Health Care	2
Expository Writing	3
Elective Placeholder-I	3
Clinical Practicum	4

BS

Speech Language Pathology

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

Qualification: a. Matric with Science (Physics, Chemistry & Physics as compulsory subjects)
b. FSc Pre-Medical with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects)

Age Limit :14-35 Years
Gender Ratio : Open Merit

Semester 1

Fehm-e-Quran - I	1
Microbiology	2
Biochemistry	2
English – Functional English	3
Fundamentals of Nursing – I	3
Anatomy and Physiology-I	3
Ideology and Constitution of Pakistan	2
Information and Communication Technology	2

Semester 2

Fundamentals of Nursing – II	4
Quantitative Reasoning – I	3
Anatomy and Physiology-II	3
Applied Nutrition	2
Theoretical Basis of Nursing	2
Islamic Studies / Ethics	2
Fehm-e-Quran - II	1

Semester 3

Professional Communication Skills	3
Clinical Pharmacology and Drug Administration – I	2
Medical Surgical Nursing – I	7
Health Assessment -I	2
Pathophysiology – I	3

Semester 4

Applied Psychology	3
Medical Surgical Nursing – II	7
Health Assessment-II	2
Pathophysiology – II	2
Clinical Pharmacology and Drug Administration – II	2
Professional Ethics for Nurses	2

Semester 5

Civics and Community Engagement	2
Pediatric Health Nursing	7
Maternal, Neonatal and Child Health Nursing	3
Epidemiology	2
Infectious Diseases	2

Semester 6

Principles of Teaching & Learning	3
Public Health Nursing	4
Mental Health Nursing	6
Introduction to Biostatistics (QR II)	3
Culture, Health and Society	2

Semester 7

Leadership & Management	3
Critical Care Nursing	7
Introduction to Nursing Research	3
Entrepreneurship	3
Elective Placeholder - XXII	2

Semester 8

Geriatric Nursing	3
Trends and Issues in Health Care	2
Expository Writing	3
Elective Placeholder-I	3
Clinical Practicum	4

BS

Nuclear Medicine Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

Eligibility

Qualification: a. Matric with Science (Physics, Chemistry & Physics as compulsory subjects)
b. F.Sc Pre-Medical with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects)

Age Limit :14-35 Years
Gender Ratio : Open Merit

Semester 1

Fehm-e-Quran - I	1
Microbiology	2
Biochemistry	2
English – Functional English	3
Fundamentals of Nursing – I	3
Anatomy and Physiology-I	3
Ideology and Constitution of Pakistan	2
Information and Communication Technology	2

Semester 2

Fundamentals of Nursing – II	4
Quantitative Reasoning – I	3
Anatomy and Physiology-II	3
Applied Nutrition	2
Theoretical Basis of Nursing	2
Islamic Studies / Ethics	2
Fehm-e-Quran - II	1

Semester 3

Professional Communication Skills	3
Clinical Pharmacology and Drug Administration – I	2
Medical Surgical Nursing – I	7
Health Assessment -I	2
Pathophysiology – I	3

Semester 4

Applied Psychology	3
Medical Surgical Nursing – II	7
Health Assessment-II	2
Pathophysiology – II	2
Clinical Pharmacology and Drug Administration – II	2
Professional Ethics for Nurses	2

Semester 5

Civics and Community Engagement	2
Pediatric Health Nursing	7
Maternal, Neonatal and Child Health Nursing	3
Epidemiology	2
Infectious Diseases	2

Semester 6

Principles of Teaching & Learning	3
Public Health Nursing	4
Mental Health Nursing	6
Introduction to Biostatistics (QR II)	3
Culture, Health and Society	2

Semester 7

Leadership & Management	3
Critical Care Nursing	7
Introduction to Nursing Research	3
Entrepreneurship	3
Elective Placeholder - XXII	2

Semester 8

Geriatric Nursing	3
Trends and Issues in Health Care	2
Expository Writing	3
Elective Placeholder-I	3
Clinical Practicum	4





FACULTY OF LAW



Dean's Message

At Superior University's Faculty of Law, we are committed to promoting justice, responsibility, and social harmony. Our experienced and internationally trained faculty guide students to become competent legal professionals, grounded in research, ethics, and critical thinking.

We believe that meaningful social change begins with excellence at every step. Our College of Law fosters academic freedom, encouraging diversity of thought and open dialogue. Beyond promoting peace through justice, we emphasize the vital role of mediation and conflict resolution.

To this end, the Faculty offers pro bono services in negotiation, arbitration, and mediation, equipping students with practical skills that complement their legal education.

Join the Faculty of Law and make your superior mark in the judicial and legal landscape of Pakistan.

Prof. Dr. Danishwar Malik

- LL.M
- LL.B

Prof. Dr. Danishwar Malik	Ms. Sehrish Malik
Prof. Dr. Syed Aatir Hussain Rizvi	Mr. Allah Ditta
Dr. CM Afzal Javaid	Mr. Basit Jamil
Dr. Abida Khaliq	Mr. Syed Shafiq Hussain
Dr. Bakht Munir	Mr. Saqlain Haider
Dr. Mumtaz A Khan	Mr. Imran Ramzan
Dr. Imtiaz Ahmed	Mr. Amrat
Mr. Rana Shahzad Khalid	Mr. Irfan Asif
Mr. Syed Naveed Abbas	Mr. Amir Khalid
Mr. Tahir Gondal	Ms. Sadia Saeed
Mr. Farooq Umair Niazi	Mr. Haroon Qureshi
Mr. Muhammad Imran	Mr. Ali Faizan
Mr. Ali Bin Yameen	Mr. Talha Ch.
Ms. Rabia Shabeeb	Mr. Asif Bajwa
Mr. Shams-ul-Qamar	Mr. Muhammad Ejaz
Ms. Sidra Fatima	Ms. Nayab
Mr. Murid Hussain	Ms. Bisma Kiran
Mr. Saqib	Ms. Erum Qayyum
Mr. Shahzad Butt	
Mr. Sekandar Zulqernan Saleem	
Mr. Adil Aftab	
Mr. Ch. Shahid Naseer	

LL.M

Course Duration	2 Years
Semesters	4
Total Credit Hours	35

Eligibility

Minimum 50% marks in LLB

Semester 1

Criminal Law	3
Human Rights Law	3
Constitutional Law of Pakistan	3
Fehm-e-Quran - I	1

Semester 2

International Law and Institutions	3
Company Law	3
Law of Contract	3
Fehm-e-Quran - II	1

Semester 3

Islamic Law & Legislation	3
Law of Evidence	3
Research Methodology	3

Semester 4

Thesis	6
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LL.B

Course Duration	5 Years
Semesters	10
Total Credit Hours	168

Eligibility

Minimum 45% marks in Intermediate and 50% in LAT

Semester 1

English-I	3
Pakistan Studies	2
Foundation of Economics	3
Introduction to Law	3
Skills Development	3
Introduction to Sociology	3
Fehm-e-Quran - I	1

Semester 2

English-II	3
Islamic Studies Ethics	2
Principles of Political Science	3
Legal System of Pakistan	3
History (South Asia)	3
Law of Torts-I	3
Fehm-e-Quran - II	1

Semester 3

Law of Contract-I	3
Constitutional Law-I (UK)	3
English-III	3
Introduction to Logic & Reasoning	3
Islamic Jurisprudence-I	3
Law of Torts-II	3

Semester 4

Human Rights Law	3
Constitutional Law-II(US)	3
Law of Contract-II	3
Islamic Jurisprudence-II	3
Introduction to Psychology	3

Semester 5

Jurisprudence-I	3
Constitutional Law-III(Pakistan)	3
Islamic Personal Law-I	3
Criminal Law-I	3
Law of Property	3

Semester 6

Jurisprudence-II	3
Law of Business Organizations	3
Islamic Personal Law-II	3
Criminal Law-II	3
Land Laws	3

Semester 7

Public International Law-I	3
Constitutional Developments in Pakistan	3
Civil Procedure-I	3
Criminal Procedure-I	3
Law of Evidence-I	3
Legal Drafting-I	3

Semester 8

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
Internship	3

Semester 9

Research Methods	3
Minor Acts	3
Moot Cases and Professional Ethics	3
Elective I - Elective Placeholder-I	3
Elective II - Elective Placeholder-II	3

Semester 10

Administrative Law	3
Interpretation of Statutes and Legislative Drafting	3
Research Project	3
Elective III - Elective Placeholder-III	3
Elective IV - Elective Placeholder-IV	3





FACULTY OF AGRICULTURE



Dean's Message

Welcome to Superior University, where we nurture not only knowledge but character, responsibility, and social leadership.

The world today faces complex challenges — from ensuring food security to protecting human and environmental health, managing agricultural resources, and uplifting communities. At Superior University's Faculty of Poultry and Agricultural Sciences, we are determined to be part of the solution.

With a growing global demand for experts in agriculture, poultry, and related fields, Superior University is equipping students with the knowledge, practical skills, and entrepreneurial mindset to thrive in this evolving landscape. Our programs go beyond conventional learning — they are designed to produce career-ready, emotionally intelligent, and socially responsible graduates, capable of making meaningful contributions to Pakistan and beyond.

At the heart of our mission is the Character Mastery Program, which focuses on instilling values like integrity, empathy, leadership, and resilience. We believe that true success comes not only from academic achievement but from building character that drives positive change in society.

Research is a cornerstone of our faculty, as we continuously strive to generate innovative, practical solutions to real-world problems. Our research culture encourages applied, interdisciplinary projects that directly impact communities, industries, and the environment.

Here at Superior, we have a clear vision for the future — one where our students become pioneers of sustainable development, champions of food security, and ambassadors of an Economically Superior Pakistan.

I invite you to join us, grow with us, and be part of this transformative journey.

Dr. Hasnat Ahmed Bhatti

- BS Agriculture

Dr. Hasnat Ahmad Bhatti
Dr. Ali Aslam
Dr. Adeel Ahmad
Dr. Usman Gillani
Dr. Muhammad Khurram Razzaq
Ms. Farah Younas
Ms. Nida Sajid
Ms. Sundas Nasir Chaudhary
Mr. Ramzan Amjad
Ms. Iqra Zahoor
Ms. Rabia Khalid
Ms. Ameenah Qaisar Butt
Ms. Noor Ul Ain Shah
Ms. Fareeha
Ms. Sadaf Shahid

BS Agriculture

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

Eligibility

FSc or Equivalent

Semester 1

Basic of Agriculture (Theory)	2
Basic of Agriculture (Lab)	1
Islamic Studies/Ethics	2
Biology	3
Functional English	3
International Relations	2
Physical Education	2
Quantitative Reasoning - I	3
Fehm-e-Quran - I	1

Semester 2

Introductory Horticulture (Theory)	2
Introductory Horticulture (Lab)	1
Introduction to Soil Science (Theory)	2
Introduction to Soil Science (Lab)	1
Expository Writing	3
Applications of Information and Communication Technologies	2
Applications of Information and Communication Technologies – Lab	1
Ideology and Constitution of Pakistan	2
Quantitative Reasoning - II	3
Fehm-e-Quran - II	1
Pakistan Studies	2

Semester 3

Plant Breeding & Genetics (Theory)	2
Plant Breeding & Genetics (Lab)	1
Agronomy (Theory)	2
Agronomy (Lab)	1
Introductory Plant Pathology (Theory)	2
Introductory Plant Pathology (Lab)	1
Farm Mechanization (Theory)	1
Farm Mechanization (Lab)	1
Introduction to Veterinary Preventive Medicine (Theory)	1
Introduction to Veterinary Preventive Medicine (Lab)	1
Rural Sociology and Development	2
Civics and Community Engagement	3

Semester 4

Introductory Entomology (Theory)	2
Introductory Entomology (Lab)	1
Agriculture Extension (Theory)	2
Agriculture Extension (Lab)	1
Forestry & Range Management (Theory)	2
Forestry & Range Management (Lab)	1
Irrigation and Drainage Practices	1
Irrigation and Drainage Practices (Lab)	1
Methods in Molecular Biology	2
Methods in Molecular Biology (Lab)	1
Entrepreneurship	3

Semester 5

Elective - II - Elective Placeholder - II	1
Elective - XII - Elective Placeholder-XII	1
Elective - I - Elective Placeholder-I	2
Elective I LAB - Elective Placeholder-I (LAB)	1
Elective - II - Elective Placeholder-II	2
Elective - III - Elective Placeholder-III	2
Elective III LAB - Elective Placeholder-III (LAB)	1
Elective-IV - Elective Placeholder-IV	2
Elective IV LAB - Elective Placeholder-IV (LAB)	1
Elective-V - Elective Placeholder-V	1
Elective - VI - Elective Placeholder-VI	2

Semester 6

Elective - VI (Lab) - Elective Placeholder-VI (Lab)	1
Elective VII - Elective Placeholder-VII	3
Elective - VIII - Elective Placeholder-VIII	2
Elective-VIII - Elective Placeholder-VIII	1
Elective-IX - Elective Placeholder-IX	2
Elective - IX - Elective Placeholder-IX	1
Elective-X - Elective Placeholder-X	1
Elective - X - Elective Placeholder-X	2
Elective - XI - Elective Placeholder-XI	2

Semester 7

Internship/Field Experience	3
Elective-XI - Elective Placeholder-XI	1
Elective XII - Elective Placeholder-XII	2
Elective XIII - Elective Placeholder-XIII	3
Elective - XIII - Elective Placeholder-XIII	1
Elective-XIV - Elective Placeholder-XIV	1
Elective XIV - Elective Placeholder-XIV	3
Elective - XV - Elective Placeholder-XV	2
Elective-XV - Elective Placeholder-XV	1

Semester 8

Capstone Project	3
Elective-XVI - Elective Placeholder-XVI	1
Elective - XVI - Elective Placeholder-XVI	2
Elective XVII - Elective Placeholder-XVII	3
Elective-XVIII - Elective Placeholder-XVIII	2
Elective - XVIII - Elective Placeholder-XVIII	1
Elective XIX - Elective Placeholder-XIX	2
Elective-XX - Elective Placeholder-XX	2

Elective

Breeding Fodder and Forage Crops (Theory)	
Breeding Fodder and Forage Crops (Lab)	
In Vitro Propagation (Theory)	
In Vitro Propagation (Lab)	
Principles of Ornamental Crop Production (Theory)	
Principles of Ornamental Crop Production (Lab)	
Propagation and Nursery Management (Theory)	
Propagation and Nursery Management (Lab)	
Principles of Fruit Production (Lab)	
Medicinal and Aromatic Plants (Theory)	

Medicinal and Aromatic Plants (Lab)	Breeding (Theory)
Principles of Fruit Production (Theory)	Experimentation in Plant Breeding (Lab)
Soilless Horticultural Crop Production	Genomics, Transcriptomics and Proteomics
Soilless Horticultural Crop Production (Lab)	Nanobiotechnology
Winter Vegetables (Lab)	Crop Variety Registration and Intellectual Property Rights
Winter Vegetables (Theory)	Crop Variety Registration and Intellectual Property Rights (Lab)
Bioinformatics	Research Methods and Techniques in Horticulture
Commercial Fruit Production (Theory)	Research Methods and Techniques in Horticulture (Lab)
Commercial Fruit Production (Lab)	Minor Fruit Crops
Commercial Vegetable Production (Theory)	Minor Fruit Crops (Lab)
Commercial Vegetable Production (Lab)	Arid Horticulture (Theory)
Introductory Landscape Gardening (Theory)	Arid Horticulture (Lab)
Introductory Landscape Gardening (Lab)	Summer Vegetables (Theory)
Breeding of Horticultural Crops (Theory)	Principles of Genetics (Theory)
Breeding of Horticultural Crops (Lab)	Principles of Genetics (Lab)
Summer Vegetables (Lab)	Breeding Field Crops (Theory)
Biodiversity and Plant Genetic Resources	Breeding Field Crops (Lab)
Mutation Breeding in Crop Plants	Cytogenetics (Theory)
Mutation Breeding in Crop Plants (Lab)	Cytogenetics (Lab)
Post-Harvest Horticulture (Theory)	Fundamentals of Plant Biometry
Post-Harvest Horticulture (Lab)	Modern Techniques in Plant Breeding (Theory)
Principles of Vegetable Production (Theory)	Modern Techniques in Plant Breeding (Lab)
Principles of Vegetable Production (Lab)	Breeding Fibre Crops (Theory)
Mushroom Culture (Lab)	Breeding Fibre Crops (Lab)
Mushroom Culture (Theory)	Agricultural Biotechnology
Temperate Fruits (Theory)	Breeding Maize and Millets (Lab)
Temperate Fruits (Lab)	Breeding Maize and Millets (Theory)
Commercial Flower Production (Theory)	Breeding Cereal Crops (Theory)
Commercial Flower Production (Lab)	Breeding Cereal Crops (Lab)
Organic Horticulture (Lab)	Fundamentals of Research & Scientific Writing
Organic Horticulture (Theory)	Breeding Oilseed Crops (Theory)
Experimentation in Plant	Breeding Oilseed Crops (Lab)
	Breeding Pulse Crops (Theory)
	Breeding Pulse Crops (Lab)
	Breeding Vegetable Crops (Theory)
	Breeding Vegetable Crops (Lab)

The Team Achieving Milestones

Chairman-The Superior Group

Prof. Dr. Ch. Abdul Rehman

Managing Director

Dr. Ch. Abdul Khaliq

Rector

Prof. Dr. Sumaira Rehman

Pro Rector

Prof. Dr. Mohammad Nizamuddin

Director General Planning And Development

Pirzada Sami Ullah Sabri

Director City Campus

Dr. Khawaja Hisham ul Hasan

Director HR

Afshan Hameed

CFO

Mian Muhammad Yasin

Chief Internal Auditor

Ibn E Abbas Ashraf

Registrar

Mudassar Kamran

Controller Examination

Dr. Muhammad Haris

Director QEC

Prof. Dr. Nauman Majeed

Director International Office

Asad Ullah Sheikh

Director IBS

Kh. Jamal Ahmed

Director CMACED

Muneeb Ahmed

Deputy Director OMC

M. Mujeeb Riaz

Head of Alumni Relations & Coporate Linkages

Sana Khan

Registrar Secretariat

Additional Registrar

Dr. Mudassar Mushtaq

Deputy Registrar Affiliations & Accreditation

Muhammad Nawaz Butt

Deputy Registrar Academics

Syeda Rabika Nadeem

Deputy Registrar Administration

Umer Mushtaq

Campus Director

Prof. Dr. Muhammad Iqbal

Academic Incharge

Dr. Syed Inaam Ullah Shah

Assistant Registrar

Aqib Rehman Khan

Muhammad Amil Anjum

Muhammad Wasee Shahid

Assistant Registrar/ Admin Officer

Muhammad Zubair

Assistant Admin Officer

Muhammad Qamar Ul Hasan

Assistant Deputy Registrar

Zubair Khan

Daycare Administrator

Sidra Javed

Manager Labs

Waqas Tahir

Waqar Ahmad Malhi

Assistant Manager Labs

Abdul Qavi

Data Entry Operator

Safdar Ali

Deputy Manager -Superior Information

Reshource Centre

Bushra Salah Ud Din

Waseem Alaudin

Quality Enhancement Cell

Director

Prof. Dr. Nauman Majeed

Deputy Director

Hina Ahmed

Assistant Director

Muhammad Umar Tariq

Asad Hameed

Assistant Director (Survey & Feedbacks)

Ahsan Bilal

Manager

Umer Mushtaq

QA Officer

Nida Fatima

Umair Bin Azhar

QEC Monitoring Officer

Mohsin Ali

Admissions

Head Of Brands And Admissions

Hamza Sajjad

Manager Admissions

Jessie Denial

Assistant Manager

Farrukh Nadeem

Manager Corporate Linkages

Mian Muhammad Abdullah

Senior Customer Relationship Officer

Mahrugh Ahsan

Waqas Ibrar

Assistant Manager Call Centre

Muhammad Hanan Khan

Assistant Manager Coordination

Noel Waris

Customer Relationship Officer

Asghar Nadeem

Anum Hussain

Hafiza Noor Ul Aeen

Mubashra Ashfaq

Muhammad Ahmad Wasi

Sehrish Kiran

Asghar Nadeem

Hafiz Usama Ahmad

Bilal Aslam

Counsellor

Asadullah Khan

CRO

Ghazala Sohaib

Call Center Agent

Hassam Imtiaz

Muhammad Fahad Mushtaq

Online Customer Representative

Saira Arif

Amna Ishaq

Customer Support Representative

Malaika Fatima

Call Center Agent

Hassam Imtiaz

Muhammad Fahad Mushtaq

PWWF Officer

Rao Muhammad Aqib

Anees Tariq

Front Desk Officer

Atiqa Imdadullah

Examination

Controller

Dr. Muhammad Haris

Additional Controller

Shahid Raza

Deputy Controller

Nouman Khalid

Syed Behzad Hussain

Kalsoom Manzoor

Zaib Mukhtar

Hafiz M Umair Khan

Assistant Controller

Hafiz M Awais Arshad

Examination Officer

Attique Ur Rehman

Hafiz Muhammad Usman

Izba Shabbir

Junaid Nawaz

Khizar Abbas

Muhammad Imran

Muhammad Usman

Nawees

Saima Fareed

Sardar Muhammad Basit

Syed Tahir Hussain

Tanveer Hussain

Nazim Anwar

Ayesha Ilyas

Incharge Transcript & Degree

Adeel Noshad

Assistant Examination Officer

Ahmad Ali

CMACED

Director

Muneeb Ahmad

Program Director SEP & Sustainability

Dr. Usman Sadiq

Program Director ETPP

Dr. Hummaira Qudisia Yousaf

Senior Manager ETPP & ID 92

Tayyaba Farhat

Manager ETPP

Rida Junaid

Assistant Manager

HAFIZA SIDRA BASHIR

SDG Executive

Maimoona Sohail

Program Executive

Minahil Khan

Research Associate

Memoona Naseer

Social Media Executive

Esha Khan

SEP Executive

MUHAMMAD BILAL MIR

Communication Officer

Muqaddas Liaquat

Visual Artist

Hafsa Omer

Video Editor

Arslan Anjum

3U1M

Deputy Director

Imran Ejaz

Manager Employability Centre

Faizan Tahir

Ahsan Bin Saif

Khizer Hayat

3U1M Executive

Ifra Iqbal

Employability Centre

Deputy Director Career Services

Asif Aziz

Manager Career Services

Ahsan Bin Saif

Khizer Hayat

Muhammad Ahmer

Manager Alumni Relations

Mahreen Iqbal
Manager Employability Centre
Faizan Tahir

Assistant Manager
Hafiz Muhammad Afaq Sajid
Alumini Executive
Hassan Ali Raza
Communication Executive
Saddam Jan

Office of Engagement & Co-creation

Deputy Director
Dr. Muhammad Ahmed
Assistant Director
Muhammad Mukarram
Manager-Clubs & PAMA
Bilawal Khan
Manager-SVLs & Freshman
Natasha Ali
Student Engagement Officer
Saba Azhar
SVL President
Beram Khan Sumbal

International Office

Director
Asad Ullah Sheikh
Manager Product Development
Rida E Zainab
Manager Language Center
Aleena Ghulam
Manager Communciations & Outreach
Manahil Syed
Manager IM (Global Program)
Nouman Shoukat
Assistant Manger Creatives
Hadiqa
Senior Executive Business Development
Ayesha Irfan
Assistant Manger Creatives
Hadiqa
PR & Communication Manager
Unza Shahzaib
Executive Operations
Junaid Ahmad
Assistant Manager Operations & Finance
Daniyal Saddiq
Senior Executive Exchange Program
Abdullah Farooq
Senior Executive Business Development
Mohsin Bin Yar
Executive Product Development & Communication
Masumeh Haider
Executive Visa Processing
Danish Ameen
Executive Exchange Program
Khizra Sarwar

General Management

Deputy Director-Chairman Secretariat
Waqas Iftikhar Baig
Personal Staff Officer-Chairman Secretariat
Ali Sher

Student Affairs

Student Office Coordinator
Ahmad Hassan
Muhammad Javed Siraj
Abdul Majid
Muhammad Babar Ali
Amanullah Afzal
Girls Hostel Warden
Gull Firdoas Tabassam

Superior Information Resource Centre

Deputy Manager
Bushra Salah Ud Din
Waseem Alaudin
Assistant Manager
Muhammad Tayyab
Muhammad Imran
Muhammad Usman
Executive
Umair Ahmad
Officer
Umer Farooq
Turajj Iqbal
Assiastnt Officer
Abdul Hameed

ORIC

Deputy Director
Hamid Masood
Assistant Professor & Manager Innovation & Commercialization
Dr. Shafique Ahmed
Assistant Manager
Faiza Ali
Faiza Ali
Javeria Atta
Shamaila Parveen
Usman Abbas

Directorate of Post Graduate

Manager Dops
Muhammad Saleem

Human Resources

Director HR
Afshan Hameed
Deputy Director
Naveed Ahmed
Assistant Director HR
Dr. Bilal Ahmad
Manager HR Talent Acquisition & Learning and Development

Zunaira Najam
Manager HR Operations
Habib Shahzad
Deputy Manager Automation & Compliance
Warda Sajid Khan
Assistant Manager HR Talent Acquisition
M. Haroon Mehboob
Assistant Manager HR Operations
Hassan Khalid
HR Executive Talent Acquisition
Ariza Siddique
HR Executive Operations
Bilal Shamim
Management Trainee Officer
Jahanzaib Safdar

Integrated Business Services

Director
Kh. Jamal Ahmed
Senior Manager IBS
Muhammad Awais Hassan
IT Team Lead
Abid Ali
Arshad Mahmood
Lab Administrator
Malik Muhammad Afaq Haidari
Muhammad Mudassar Javaid
Hamza Arif
Saad Ali
Muhamamd Ehsan
Muhammad Iqbal
Zafar Hameed Usama
Muhammad Hassan
Abdullah Altaf
Muhammad Faheem Raza
Turnstile Operator
Abdul Haye Baloch
Ijaz Masih
Atif Raza
Network Administrator
Uzair Ahmad Siddiqui
IT Officer
Ahsan Dildar
Syed Taqi komail
ZEESHAN ALI
Junior It Officer
Rizwan Haider
IT Assets Officer
M Farooq
System Engineer
Muhammad Adnan
Assistant System Administrator
Muhammad Faisal
Assistant Network Administrator
Muhammad Farooq
Junior Asset Officer
Touseef Haider
Office of Marketing & Communications
Deputy Director
M Mujeeb Riaz

Assistant Director
Hassan Javaid
Head Of Brands And Admissions
Hamza Sajjad
Head Of Digital Media
Hassan Manzoor
Manager Creative
Zeeshan Mehmood
Manager Content
Nabeela Malik
Team Lead Web
Salman Ahmed
Non-Linear Editor
Ali Hussnain
KHURRAM SHAHZAD
Assistant Brand Manager
LAIQ AHMED
Photographer & Videographer
Hafiz Muhammed Mahad Sharif
Web Developer
Salman Sajid
Digital Media Executive
Ayesha Hussan Ara
Deputy Manager Marketing
Fahad Zubair
Head Of Production
Fazi E Arafat Bari
Executive
MOHSIN
AYESHA HUSSAN ARA
Photographer
Muhammad Shabbir
Muhammad Muneeb
Content Writer
Fatima Syed
Assistant Content Manager
Ahsan Iqbal
Director of Photography
Muzamil Hussain
Nouman Sharif
Sound and Technical Engineer
Sadam Sadiq
Graphic Designer
Fazal-E-Subhan
Arsal Ahmad
Rimsha Naeem
Animator
Salamat Ullah
Assistant Digital Media Manager
Fiza Nadeem
Spot Boy
Abdul Rehman
Wordpress Developer
Abdul Samad

Accounts & Finance

Group CFO
Mian Muhammad Yasin
Director Finance
Mirza Moazam Baig
Sr. Manager Accounts & Finance
Ali Ashraf
Manager Finance and Corporate
Zahid Sultan

Accounts Officer
Anam Shahid
Assistant Manager Accounts
Asif Iqbal
Head Cashier
Bilawal Ali
Deputy Manager Accounts
Daniyal Jamshaid
Assistant Manager Taxation
Khalid Mahmood
Accounts Officer
Mehwish Mumtaz
Mohsin Rafique
Senior Manager Taxation
Muhammad Shafique
Dispatcher
Muhammad Shahzaib
Muhammad Shamroz
Tax Officer
Muhammad Talha Khiam
Store Manager
Naveed Ahmad
Accounts Officer
Rimsha Ghaffar
Account Executive
Toqeer Kamran
Store Incharge
Umer Farooq
Tax Officer
Usman Ghazi
Assistant Manager Finance
Uzma Tariq
Accounts Officer
Zaheer Abbas
Rider
Ameer Hamza

Automation & Policy Control

Deputy Director
Kashif Noor
Assistant Director
Zeeshan Ahmad
Manager
Shameen Noor
Automation Executive
Annulhuda
Muhammad Talha
Sharjeel Nasir
Abdul Rehman
Muhammad Saqib Jameel
MUHAMMAD ISMAEEL MUNIR
Makeup Artist
Arooj Salamat
Web Development Executive
Muhammad Ahmad Ali

Internal Audit

Chief Internal Auditor
Ibn E Abbas Ashraf
Assistant General Manager Audit
Hammad Raza

Deputy Manager Audit
Syed Tahir Ali
Taimoor Ahmad
Rana Abdul Mannan
Audit Officer
Muhammad Rizwan
Mohsin Raza
Abdul Ahad
Muddasar Ali
Mughis Ahmad
Muhammad Ammar Babar Bajwa
Syed Ghulam Abbas
Audit Associate
Bilal Shahzad
Manager Audit
Oan Raza

Security & Crisis Management

Resident Officer
Ch. Imtiaz Ahmed
Security Supervisor
Fateh Sher
Liaqat Ali
Arshad

Sports

Director Sports
Shahid Faqeer

Superior Agrivet Research Park (SARP)

Project Director Superior Agrivet
Ch. Imtiaz Ahmed

CAKCISS

Director CAKCISS
Syed Ali Mohsin Naqvi
Director Communications/ Project Lead English Language
Haseeb M. Bin Qasim Khan
Manager Outreach & Engagement
MUHAMMAD FAROOQ
Manager Character Building
SIDRA PARVEEN
Education & Training Manager
Azadar Hussain
Professor & HOD Islamic Studies
Prof. Dr. Ali Akbar
Manager
RAHIL AHSEN
Assistant Professor
Muhammad Mudassar Shafique

ACADEMIC DISCIPLINE

Your days at Superior University will be full of activities, interactions and memories. You have to enjoy your presence keeping in mind the discipline you have to maintain. We do not compromise on discipline. We believe disciplined students effectively manage organizations to deliver services and thrive in a prosperous manner. Students are, therefore, expected to diligently observe disciplinary rules set by the institute. Breach of any rules & regulations shall amount to disciplinary action such as fines, suspension or expulsion. The following is a brief overview of our disciplinary values:

1. Concurrent admission at any other institution is not allowed.
2. Admission obtained on false documentation will earn expulsion.
3. Students must be respectful towards faculty, administrative staff and fellow students.
4. Any political activity or indecent behavior in or around the Campus is a punishable offense.
5. Students must carry their ID cards on campus.
6. All students are required to follow the dress code.
7. Students should lock their vehicles in parking areas on their own risk.
8. Institute will not be responsible for any loss, theft of personal belongings.
9. No student is allowed to leave the classroom during lectures without permission of the teacher or until the class is over.
10. Use of mobile phones is strictly prohibited during lectures and must be switched off or put on silent mode.
11. Late comers will be marked absent.
12. Absentees for three consecutive working days without any notice or valid reason shall be considered for expulsion.
13. It is the responsibility of each student to observe orientation details, date sheets and any other course related announcements displayed on our notice board.
14. Students must clear their dues before appearing in mid-term and final examinations, failure to do so will prevent them from appearing in their respective examinations.
15. No makeup assignments, quizzes and presentations are allowed after the assigned dates, unless permission is sought from the concerned teacher.
16. Semester dues are non refundable and non transferable for any reason.
17. Any student misbehaving in class or on campus will be reported to the Incharge Discipline Committee by the teacher. The concerned authority will take the necessary action deemed appropriate.
18. Roll No. slips for institute exams shall not be issued to any student if his/her dues are not cleared.
19. The registration / admission fees of the institute shall be paid by all students.
20. Unfair means in quizzes, assignments, exams, reports will result in punishment with heavy fine or suspension.
21. Smoking is prohibited in and around all our College / institute premises.
22. A daily fine will be charged from students who remain absent or fail to pay their dues on time.
23. Any student found damaging the University property shall pay five times the cost of the damage.
24. No student is allowed to paste, exhibit, prepare or distribute any poster, leaflet, notice, pamphlet or handbill on the University premises, without seeking permission.
25. All students are expected to behave in a manner that does not disturb the academic environment of the class rooms or the institution. Any such actions may result in disciplinary action leading to a reprimand, suspension, heavy fine or cancellation of registration or dismissal from the Institution.
26. Any student aggrieved by any event in the University must lodge a complaint with the HOD and not with any outside authority unless the concerned authority permits him/her to do so.
27. Food can be taken inside the cafeterias only.
28. To accommodate modern trends, University may reserves the right to change course requirements, fees, course classifications, course contents, class schedules, venues, faculty and the like, whenever it deems appropriate.
29. In case of award of degree/diploma/certificate, students shall abide by the policies framed by competent authorities.

