







# 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 per cent to 90 per cent.

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 stream. Moreover, the university has now introduced the "Superior Go Global" stream, enabling graduates to pursue higher education and career opportunities abroad, to enable them with opportunities to contribute to 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.





# 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, state-of-the-art computer lab, well-equipped teaching labs, centrally air-conditioned classrooms equipped 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 Rahim Yar Khan 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.





# FAISALABAD CAMPUS

Superior University, Faisalabad Campus, established since 2022, is another hub of quality higher education for the youths 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, 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 1 in Quality Education private sector university in Pakistan by the esteemed Times Higher Education (THE) Impact Rankings 2023, along with securing an overall ranking among the world's top 400-600

universities. This phenomenal recognition of quality of education being ensured by Superior University is an ample proof of the fact that the leadership of Superior University is rightly dedicated to uplift the educational standards and developing the youths 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.

**OUR DIVERSE AND  
EMERGING FACULTIES  
MAKE US**



**BIGGER**

# SUMMARY OF PROGRAMS

## Faculty of Business and Management Sciences

- Ph.D. in Business Administration
- M.Phil. Business Administration
- MS/M.Phil. Quality Management
- MS/M.Phil. Industrial Management
- MS/M.Phil. Human Resource Management
- MS/M.Phil. Environment, Health & Safety Management
- MS Project Management
- MS Engineering Management
- MS Construction & Engineering Management
- Master in Business Administration (for Business Graduates)
- Master in Business Administration (for Non-business Graduates)
- Bachelor of Business Administration (Honors)
- BS Aviation Management
- BS Hospitality and Tourism Management
- BS Healthcare Management
- BS Construction and Real Estate Management
- BS Business Intelligence
- BS Culinary Arts and Management
- Associate Degree in Business Administration
- Associate Degree in Hospitality and Tourism Management
- Associate Degree in Healthcare Management

## Faculty of Computer Science and Information Technology

- Ph.D Computer Science
- Ph.D Data Science
- MS Computer Science
- MS Information Technology
- MS Software Engineering
- MS (Information Security)
- MS Data Science
- MS in Software Project Management
- BS Computer Science
- BS Information Technology
- BS Software Engineering
- BS Data Science
- BS Artificial Intelligence
- BS Cyber Security
- BS Gaming and Multimedia
- BS Internet of Things

- BS Robotics
- Associate Degree in Computer Science
- Associate Degree in Web Design and Development
- Associate Degree in Cyber Security
- Associate Degree in Gaming & Multimedia

## Faculty of Social Sciences

- Ph.D Communication Studies
- M.Phil in Mass Communication
- MS Clinical Psychology
- MS Political Science
- MS International Relations
- MS Sociology
- BS Mass Communication Management
- BS Digital Media and Broadcast Journalism
- BS Clinical Psychology
- BS Political Science
- BS International Relations
- BS Public Policy and Governance
- BS Criminology

## Faculty of Art and Design

- MS Art & Design
- Bachelor of Architecture
- BS Fashion Design
- BS Fashion Marketing and Merchandising
- Bachelor of Interior Design
- Bachelor of Textile Design
- BS Fine Art
- BS Product Design
- BS Graphic Design
- BS Home Economics
- Bachelor of Landscape Design
- Bachelor of Building Design and Construction

## Faculty of Arts and Humanities

- Ph.D Education
- MPhil Education
- M.Phil Library & Information Management
- M.Phil Education, Leadership & Management
- MS Urdu

- MS English ( Language & Literature)
- 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
- B.Sc Electrical Engineering
- B.Sc Information Engineering Technology
- B.Sc Aviation Engineering Technology
- B.Sc Aircraft Maintenance and Management
- BS Avionics Engineering
- B.Sc Civil Engineering
- B.Sc Mechanical Engineering
- B.Sc Biomedical Engineering Technology
- B.Sc Civil Engineering Technology
- B.Sc Electrical Engineering Technology
- B.Sc Mechanical Engineering Technology

#### **Faculty of Economics and Commerce**

- Ph.D Economics
- Ph.D Commerce
- M.Phil Commerce & Finance
- M.Phil Economics
- MS Accounting & Finance
- BS Commerce
- BS Accounting & Finance
- BS Economics with Data Science
- BS E-Commerce
- BS Islamic Banking and Finance
- Associate Degree in Accounting & Finance

#### **Faculty of Medical Sciences**

- M.Phil Basic Medical Sciences
- MBBS
- BDS
- Bachelor of Eastern Medicine and Surgery

#### **Faculty of Pharmacy**

- Ph.D Pharmacology
- M.Phil Pharmaceutics
- M.Phil Pharmacology
- Doctor of Pharmacy

#### **Faculty of Sciences**

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

#### **Faculty of Allied Health Sciences**

- Ph.D Food Science and Technology
- MS Rehabilitation Sciences
- MS Allied Health Sciences
- MS Nursing
- Doctor of Physical Therapy
- BS Medical Laboratory Sciences
- BS Medical Imaging Technology
- BS Human Nutrition and Dietetics
- BS Optometry
- BS Anesthesia Technology
- BS Operation Theater Technology
- BS Public Health

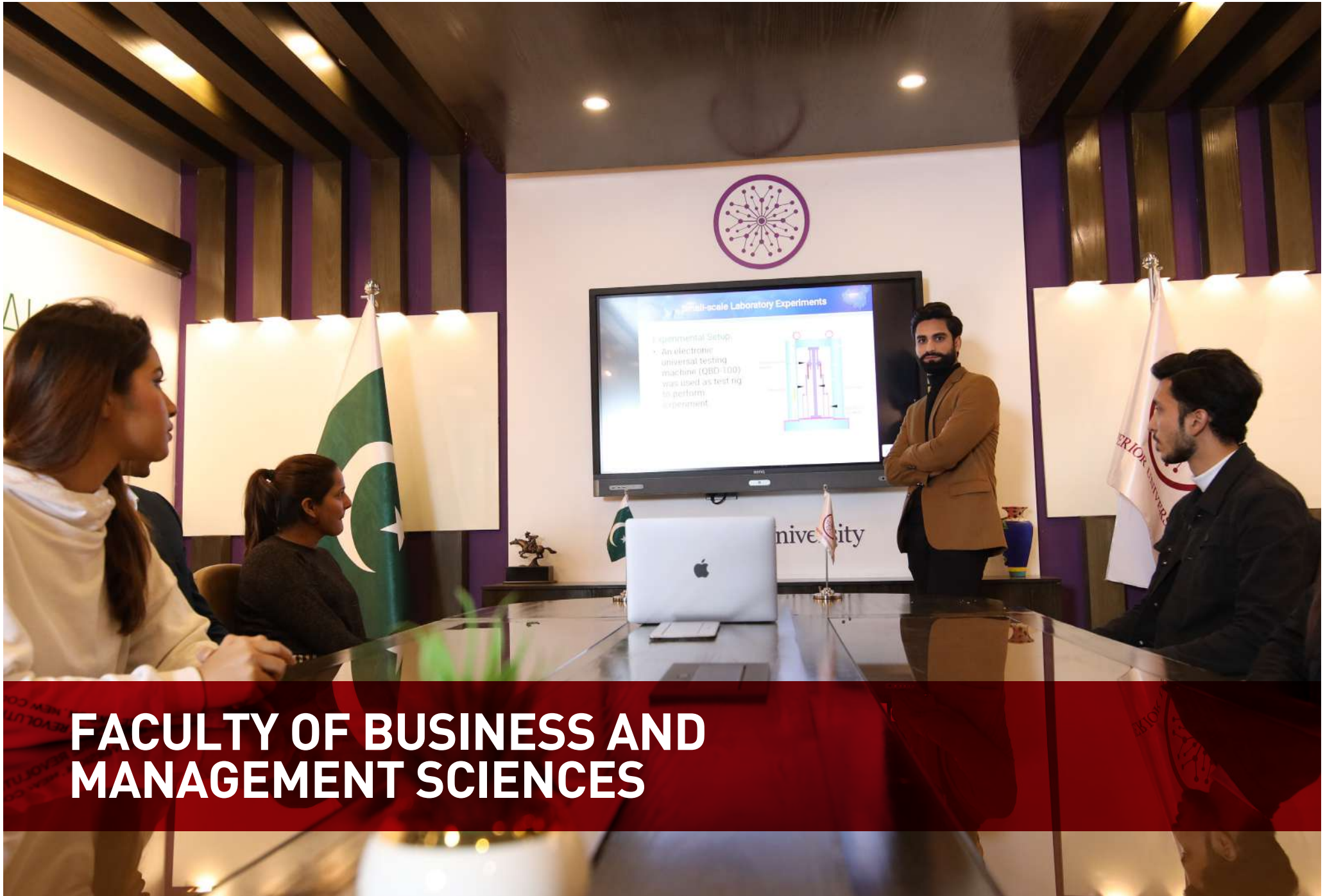
- BS Dental Technology
- BS Speech Language Pathology
- BS Sports Sciences and Physical Education
- BS Dental Hygiene
- BS Respiratory Therapy
- BS Aesthetic and Cosmetology
- BS Renal and Dialysis Technology
- BS Audiology
- BS Occupational Therapy
- BS Cardiac Perfusion
- BS Radiation Therapy Technology
- BS Emergency and Intensive Care Sciences
- BS Food Safety and Quality Management
- BS Food Science Technology
- BS Blood Transfusion Technology
- Bachelors of Science in Nursing (Post RN)
- BS Nursing Generic - 4 Years

#### **Faculty of Law**

- LL.M
- LL.B

#### **Faculty of Agriculture and Veterinary Sciences**

- BS Agriculture (Plant Breeding and Genetics)
- BS Agriculture (Horticulture)
- BS Poultry Science



# FACULTY OF BUSINESS AND MANAGEMENT SCIENCES



## Dean's Message

I welcome you to the first entrepreneurial business and management faculty in Pakistan. Our cutting-edge programs, advanced curriculum, innovative pedagogies, and entrepreneurial ecosystem are the cornerstones of our ambition to make an economic and social impact for the uplift of the country. Through our incubation center '**Innovation District 92**', **Scale Up PK**, and Design Challenge initiatives, we are making economically Superior Pakistan.

Joining the Faculty of Business and Management Sciences will be a transformational experience for you. It will make you bigger in ideas, bolder in perspective, and superior in identity. Starting from the freshman semester, it will be a journey of success unleashing a foray of opportunities in the realms of starting new ventures, scaling up your existing enterprises, and providing out-of-the-box solutions to the problems faced by contemporary organizations. Our research programs and initiatives are designed to enable you to provide knowledge-based solutions to government, private, and development sector organizations.

Our interactive campus life, powered by clubs and societies, will unleash your true potential and provide you with networking opportunities. We promise a world full of life, learning, and success. Let's conquer the business world together.

Prof. Dr. Sami Bajwa



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- BS Healthcare Management
- BS Construction and Real Estate Management
- BS Business Intelligence
- BS Culinary Arts and Management
- Associate Degree in Business Administration
- Associate Degree in Hospitality and Tourism Management
- Associate Degree in Healthcare Management

Prof. Dr. Ch. Abdul Rehman  
 Prof. Dr. Sumaira Rehman  
 Prof. Dr. Sikander Khan  
 Prof. Dr. Kamran Mosa  
 Prof. Dr. Muhammad Azam Roomi  
 Prof. Dr. Kashif Hussain  
 Prof. Dr. Sami Ullah Bajwa  
 Prof. Dr. Azmat Iqbal  
 Prof. Dr. Kashif Hussain  
 Prof. Dr. M. Yousaf Siddiqui  
 Prof. Dr. Nadia Nasir  
 Dr. Hummaira Qudsia Yousaf  
 Dr. Khalid Iqbal Khichi  
 Dr. Samia Jamshaid  
 Dr. Waheed Asghar  
 Dr. Kashif Mehmood  
 Dr. Sobia Nasir  
 Dr. Muhammad Rafiq  
 Dr. Arshad Mehmood  
 Dr. Rana Muhammad Sohail Jafar  
 Dr. Muhammad Maqsood Khalid  
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 Dr. Muddassar Sarfraz  
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 Dr. Uzma Kashif  
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 Dr. Summer Aslam  
 Dr. Muhammad Haris  
 Dr. Javied Anwer  
 Dr. Areeba Suleman  
 Dr. Sarfraz Zaman  
 Dr. Muhammad Zia Aslam  
 Dr. Muhammad Bilal Majid  
 Dr. Ali Sajjad  
 Dr. Mudassar Mushtaq  
 Dr Faisal Mahmood  
 Dr Awais e Yazdan  
 Dr Maria Saleem  
 Dr Muhammad Sajjad Hussain

Dr Hira Irshad  
 Mr. Muhammad Mukarram  
 Mr. Imran Ejaz  
 Mr. Ahmad Bilal  
 Mr. Bilal Ahmad  
 Mr. Muhammad Waseem  
 Mr. Irtaza Aitzaz  
 Ms. Sahar Rafiq  
 Mr. Asad Noor  
 Mr. Muhammad Inam  
 Mr. Ali Raza  
 Ms. Ayesha Asif  
 Ms. Nadia Hamid  
 Mr. Muhammad Qasim  
 Mr. Muhammad Waseem  
 Mr. Hafiz Gohar Mehmood  
 Mr. Zaib Zafar  
 Mr. Adeel Mumtaz  
 Mr. Atif Sharif  
 Mr. Mahmooda Mahmood  
 Ms. Saba Mumtaz Khan  
 Ms. Nabila Tanvir  
 Mr. Abdul Razzaq Khan  
 Ms. Ayesha Shams  
 Mr. Muhammad Zubair Khan  
 Mr. Muhammad Aamir Ilyas  
 Mr. Muhammad Farooq  
 Mr. Afsheen Hassan  
 Mr. Saad Salman  
 Ms. Saadia Ayub  
 Mr. Adeel Younis  
 Mr. Ali Raza  
 Mr. Asad Noor  
 Ms. Asifa Oerveen  
 Mr. Bilal Ahmad  
 Mr. Muhammad Waseem  
 Ms. Rubeen Akhter  
 Ms. Sahar Rafiq  
 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. Sumeet Hassan Anwar

# Ph.D

## in Business Administration

Course Duration	16 weeks
Semesters	6
Total Credit Hours	48

### Eligibility

- 18 years of Education with a minimum CGPA of 3.0 out of 4.0 or Equivalent
- Quality GAT subject (NTS) with 60 % or GAT Subject (University) with 70%.

### Semester 1

Business and Management Theory	3
Elective I	3
Researching & Writing Ph.D. Dissertation	3

### Semester 2

Advance Quantitative Data Analysis	3
Doing Qualitative Research	
Elective II	3
	3

### Semester 3, 4, 5 & 6

Comprehensive Exam	--
Proposal Defense	--
Thesis	30

### Electives

Emerging issues in Business and Economics	
Philosophy of Social Sciences	
Advance Academic writing	
Advance Research Methods	

# M.Phil

## Business Administration

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Strategic Management	3
Business Research Methods	3
Elective I	3
Elective II	3

### Semester 2

Advance Research Methods	3
Quantitative Techniques in Research	3
Elective III	3
Elective IV	3

### Semester 3 & 4

Thesis Work	6
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### Electives

Seminars in Research	
Global Marketing	
Corporate Governance	
Human Resource Development	
Project Management	
Islamic Financial Regulatory Framework and Governance	
Content Management and Knowledge Management	
Legal and Ethical Issues in Business Analytics	
Digital Media Management	

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# M.Phil

## Quality Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Eligibility Criteria: 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

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

### Semester 3 & 4

Thesis	6
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# MS

## Quality Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### Eligibility

Eligibility Criteria: 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

Total Quality Management	3
Quantitative Techniques	3
Strategic Human Resource Management	3

### Semester 2

Statistical Process Control	3
Research Methodology	3
Metrology & Lab Testing	3

### Semester 3

Project Management	3
Six Sigma	3
Quality Management System & Standards	3

### Semester 4

Business Analytics	3
Entrepreneurship	3
Enterprise Resource Planning	3

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# M.Phil

## Industrial Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Eligibility Criteria: 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

Total Quality Management	3
Project Management	3
Quantitative Techniques	3
Operations Management	3

### Semester 2

Statistical Process Control	3
Research Methodology	3
Six Sigma	3
Supply Chain Management	3

### Semester 3 & 4

Thesis	6
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# MS

## Industrial Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### Eligibility

Eligibility Criteria: 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

Total Quality Management	3
Strategic Human Resource Management	3
Quantitative Techniques	3

### Semester 2

Statistical Process Control	3
Research Methodology	3
Supply Chain Management	3

### Semester 3

Operations Management	3
Six Sigma	3
Project Management	3

### Semester 4

Business Analysis	3
Entrepreneurship	3
Enterprise Resource Planning	3

# M.Phil

## Human Resource Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Eligibility Criteria: 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

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

### Semester 3 & 4

Thesis	6
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# MS

## Human Resource Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### Eligibility

Eligibility Criteria: 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

Total Quality Mangement	3
Quantitative Techniques	3
Strategic Human Resource Management	3

### Semester 2

Leadership & Organizational Behaviour	3
Recruitment, Selection, Training and Development	3
Reseach Methodology	3

### Semester 3

Industrial Relations & Labor Laws	3
Compensation & Performance Management	3
Advanced HR Practices	3

### Semester 4

Business Analysis	3
Entrepreneurship	3
Enterprise Resource Planning	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# M.Phil

## Environment, Health & Safety Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Eligibility Criteria: 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

Total Quality Management	3
Strategic Human Resource Management	3
Quantitative Techniques	3
Principles & Practices of Safety Management	3

### Semester 2

Effluent , Emission Control & Solid Waste Management	3
Risk Assessment & Management	3
EHS Laws & Regulations	3
Research Methodology	3

### Semester 3 & 4

Thesis	6
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# MS

## Environment, Health & Safety Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### Eligibility

Eligibility Criteria: 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

Total Quality Management	3
Strategic Human Resource Management	3
Quantitative Techniques	3

### Semester 2

Risk Assessment & Management	3
EHS Laws & Regulations	3
Research Methodology	3

### Semester 3

Principles & Practices of Safety Management	3
Effluent , Emission Control & Solid Waste Management	3
Industrial Disaster Management	3

### Semester 4

Enterprise Resource Planning	3
Business Analysis	3
Entrepreneurship	3

# MS

## Project Management (Research Track)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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
Human Resource Management	3
Leadership and Operational Development	3

### Semester 2

Project Cost Management	3
Project Procurement and Contract Management	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Project Monitoring and Evaluation	3
Thesis	6

### Semester 4

Thesis	--
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# MS

## Project Management (Coursework Track)

Course Duration	1.5 Years
Semesters	3
Total Credit Hours	30

### 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
Human Resource Management	3
Leadership and Operational Development	3

### Semester 2

Project Cost Management	3
Project Procurement and Contract Management	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Project Monitoring and Evaluation	3
Organizational Management	3
Total Quality Management	3

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# MS

## Engineering Management (Research Track)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

BSc/BE in any Engineering Discipline (except Civil & Architecture) /BS Engineering Technology/B.Tech Hons (except Civil & Architecture)/or equivalent qualification. Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Project Planning & Management	3
Engineering Economy & Value Management	3
Engineering Laws, Contracts & Administration	3

### Semester 2

Human Resource Planning & Management	3
Methods, Equipments, Quality & Productivity	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Ergonomics, Work Time Measurement & Process Planning	3
Thesis	6

### Semester 4

Thesis	--
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# MS

## Engineering Management (Coursework Track)

Course Duration	1.5 Years
Semesters	3
Total Credit Hours	30

### Eligibility

BSc/BE in any Engineering Discipline (except Civil & Architecture) /BS Engineering Technology/B.Tech Hons (except Civil & Architecture)/or equivalent qualification. Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Project Planning & Management	3
Engineering Economy & Value Management	3
Engineering Laws, Contracts & Administration	3

### Semester 2

Human Resource Planning & Management	3
Methods, Equipments, Quality & Productivity	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Ergonomics, Work Time Measurement & Process Planning	3
Operational Management	3
Total Quality Management	3

# MS

## Construction & Engineering Management (Research Track)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Project Planning & Management	3
Engineering Economy & Value Management	3
Engineering Laws, Contracts & Administration	3

### Semester 2

Human Resource Planning & Management	3
Methods, Equipments, Quality & Productivity	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Advance Construction Materials	3
Thesis	6

### Semester 4

Thesis	--
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# MS

## Construction & Engineering Management (Coursework Track)

Course Duration	1.5 Years
Semesters	3
Total Credit Hours	30

### 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

Project Planning & Management	3
Engineering Economy & Value Management	3
Engineering Laws, Contracts & Administration	3

### Semester 2

Human Resource Planning & Management	3
Methods, Equipments, Quality & Productivity	3
Project Risk Management	3

### Semester 3

Research Methodology	3
Advance Construction Materials	3
Construction Safety Management	3
Project Monitoring & Evaluation	3

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# Master

in Business Administration  
(For Business Graduates)

Course Duration	1.5 Years
Semesters	3
Total Credit Hours	30

## Eligibility

16-years of education in business studies

### Semester 1

Operations Management	3
HR Practices in Corporations	3
Corporate Finance	3
Sales Force Management	3

### Semester 2

Project Management	3
Managing Supply Networks	3
Cost Management & Controls	3
Developing Brand Equity	3

### Semester 3

Case Study	6
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# Master

in Business Administration  
(For Non-Business Graduates)

Course Duration	2.5 Years
Semesters	5
Total Credit Hours	60

## Eligibility

16-years of education, other than business studies

### Semester 1

Marketing Strategy	3
Financial Reporting & Analysis	3
Data Driven Decision Making	3
Management for the 21st Century	3
Global-Political Economy	3

### Semester 2

Marketing Analytics and Social Media Research	3
Managerial Finance	3
Data Modelling & Decisions	3
Critical Aspects of Pakistan Economy	3
Communication for Teams and Leaders	3

### Semester 3

Operations Management	3
HR Practices in Corporations	3
Corporate Finance	3
Sales Force Management	3

### Semester 4

Project Management	3
Managing Supply Networks	3
Cost Management & Controls	3
Developing Brand Equity	3

### Semester 5

Case Study	6
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# Bachelor

## of Business Administration (BBA)

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent

#### Semester 1

Introduction to Business	3
English For Life	3
Introduction to Computing	3
Business Maths	3
Islamic Studies	2
Micro Economics	3

#### Semester 2

Marketing Management	3
Principles of Management	3
Financial Accounting	3
Creative & Persuasive Writing	3
Business Stats	3
Macro Economics	3

#### Semester 3

Leading People and Organizations	3
Management Accounting	3
Communication Skills and Personality Development	3
Smart Technologies in 21st century	3
Business Research Method	3
Psychology	3

#### Semester 4

Digital Marketing	3
Human Resource Management	3
Financial Management	3
Advance communication Skills in UMS	3
Pak Studies	2
Sociology	3

#### Semester 5

ACP/SEP	3
Brand Management	3
Islamic Finance	3
Corporate & Business law	3
Economy of Pakistan	3

#### Semester 6

Entrepreneurship	3
International Finance	3
Audit & Assurance	3
Supply Chain Management	3
Gig Economy	3

#### Semester 7

Corporate Entrepreneurship	3
Project Management	3
Art of Selling	3
Service Marketing	3
FYP-I	3

#### Semester 8

Business Policy & Strategy	3
Operational Excellence	3
Specialization Courses Retail Management	3
Specialization Courses/ CRM	3
FYP-II	3

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# BS

## Aviation Management

Course Duration	4
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent.

### Semester 1

Principles of Management	3
English for Academics Purposes	3
Aviation Career Development	3
Business Mathematics	3
Aircraft Systems and Principles	3
Islamic Studies	2

### Semester 2

History of Aviation	3
Aviation Marketing	3
Business Communication Skills	3
Psychology	3
Introduction to Computer	3
Pak Studies	2

### Semester 3

Management Information System	3
Business Statistics	3
Advance Communication Skills	3
Aviation Weather	3
Fiscal Aspects in Aviation	3

### Semester 4

Introduction to Aircraft Operations	3
Business & Corporate Aviation Management	3
Aviation & Safety Risk Management	3
Aviation English	3
Human Resource Management	3

### Semester 5

Airport Planning & Management	3
Active Citizenship	3
Flight Simulation & Flight Navigation	3
Aviation & Airport Security Management	3
Financial Management	3

### Semester 6

Entrepreneurship	3
Micro & Macro Economics	3
Airspace & Traffic Management	3
Crew Resource & Human Factor	3
Business Research Methods	3

### Semester 7

Ground Handling	3
Project Management	3
Airline Ticketing Management	3
Aviation Total Quality Management	3
Airport Operations Management	3
FYP-I	3

### Semester 8

Airline Management	3
Air Cargo Management	3
Travel & Tours Operations	3
Public & Media Relationship	3
Airline Network & Fleet Management	3
FYP-II	3

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# BS

## Hospitality and Tourism Management

Course Duration	4
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent

### Semester 1

English for academic purpose	3
Principles of management	3
Introduction to computer	3
Islamic studies	2
Introduction to Hospitality Business / Culinary Math	3

### Semester 2

Business Communication Skills	3
Pak Studies	2
Accounting and Finance	3
Fundamentals of Culinary Arts	3
Hygiene & Nutrition Management	3
Human Resource Management	3

### Semester 3

Advance Communication Skill	3
Organization & Consumer Behavior	3
Beverage & Mixology	3
Sustainable Tourism	3
Restaurant Management	3
Food & Beverage Operations	3

### Semester 4

Foreign Language (French)	3
Marketing	3
Food & Beverage Cost Controlling	3
Psychology	3
Business Statistics	3
International Cuisine	3

### Semester 5

Entrepreneurship	3
Emerging Trends in Hospitality Industry	3
Cultural History of Pakistan	3
Tourist Destination	3
Event Management	3

### Semester 6

Tourism Planning and Development	3
Tourism and Hospitality Laws	3
Destination Branding	3
Heritage Management	3
Airport Planning and Management	3

### Semester 7

Tourism Concepts and Principles	3
Cultural Tourism	3
Sports and Adventure Tourism	3
Front Office Operations and Management	3
FYP-1	3

### Semester 8

Travel and Tour Operations	3
Public Relation	3
Sacred / Religious Tourism	3
Project Management	3
FYP-2	3

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# BS

## Healthcare Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent.

#### Semester 1

Introduction of HealthCare Management & Terminologies	3
English For Academics Purposes	3
Principles of Management	3
Business Mathematics	3
Islamic Studies	2
Medical Ethics and social responsibilities	3

#### Semester 2

Business Communication Skills	3
Organizational / Behavioral Psychology	3
Introduction to Computer	3
Health care policy and system of Pakistan	3
Theories of Healthcare Behaviour	3
Pak Studies	2

#### Semester 3

Advance Communication Skills	3
HealthCare Marketing	3
Bio-Statistics	3
Planning of public Health Program	3
Healthcare Management Information System	3

#### Semester 4

Human Resource Management	3
Health Care Systems	3
Public /Global health and sustainability	3
Disaster & Risk Management in Health care	3
Strategic Leadership	3

#### Semester 5

Financial Accounting	3
Health care Quality and Patient safety	3
Health Promotion and Marketing strategies	3
Strategic planning and leadership in Health care management	3
Active Citizenship	3

#### Semester 6

Research methods in Health care	3
Strategies of Health Communication & Wellness	3
International Health care policy and laws	3
Entrepreneurship in Health care	3
Health institution and Hospital management	3

#### Semester 7

Supply Chain in Health Care	3
Project Management	3
Health Care Decision Making and Decision Support Systems	3
Managing Operations in Health Care Organizations	3
Digital and Tele Practices in Health care Management	3
FYP-I	3

#### Semester 8

Public and Media Relations	3
Financial Management	3
Contemporary issues in Health care Management	3
Hospital Infection Control & Biomedical Waste Management	3
Medical First aid & Basics	3
FYP-II	3

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# BS

## Construction and Real Estate Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent.

### Semester 1

English for Academic Purpose	3
Islamic Studies	2
Introduction to Computer	3
Introduction to Public Administration	3
Business Mathematics	3
Fundamental of Construction Management	3

### Semester 2

Business Communication Skills	3
Pak-Studies	2
Psychology	3
Principles of Management	3
Construction Engineering and Practices	3
Money Banking and Finance (Financial Institution & Markets)	3

### Semester 3

Advance Communication Skills	3
Business Statistics	3
Management Information System	3
Real Estate Marketing	3
Building Material & Constructions	3

### Semester 4

Financial Accounting	3
Property Law and Practices	3
Human Resource Management	3
Architecture & Interior Designs	3
Real Estate Economics	3

### Semester 5

Active Citizenship	3
Real Estate Appraisals and Case Studies	3
Financial Management	3
Cost & Construction Management	3
Technology in Construction Management	3

### Semester 6

Entrepreneurship	3
Market Research	3
Real Estate Planning, Practice, and Policy	3
Project Management	3
Business Taxation	3

### Semester 7

Public Relation and Advertising	3
Material Quality Assurance	3
Project Appraisal & Credit Management	3
Real Estate Investment Decision	3
Heavy Construction Machinery and Their Usage	3
FYP-I	3

### Semester 8

Procurement Management	3
Soil Mechanics & Bridge Engineering	3
Structural Engineering	3
Sustainable and Green Construction	3
Concrete Technology and RCC Design	3
FYP-II	3

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# BS

## Business Intelligence

Course Duration	4
Semesters	8
Total Credit Hours	130

### 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

#### Semester 2

Marketing Management	3
Principles of Management	3
Financial Accounting	3
Creative & Persuasive Writing	3
Introduction to Business Intelligence	3
Introduction to Computer Programming	3

#### Semester 3

Economy of Pakistan	3
Pak Studies	2
Communication Skills and Personality Development	3
Data Structure and Algorithm	3
Intro to Data Sciences	3
International Relations	3

#### Semester 4

Digital Marketing	3
Human Resource Management	3
Financial Management	3
Advance Communication Skills	3
Language (French, Arabic, Chinese)	3
BI and data Visualization	3

#### Semester 5

Machine Learning for Business Analysis	3
Research & Analytics (Decision Models in Excel)	3
ACP/SEP	3
Graphic Designing	3
Freelancing Management	3

#### Semester 6

Entrepreneurship	3
Social Media Management (Social Media Analytics)	3
Virtual Assistance	3
Supply Chain Operations	3
Data Mining	3

#### Semester 7

Financial Analytics	3
Marketing Analytics	3
Project Management	3
Operational Excellence	3
FYP-I	3

#### Semester 8

ERP Financial	3
ERP Marketing	3
ERP Supply Chain	3
Cyber Law & Ethics	3
FYP- II	3

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# BS

## Culinary Arts Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

English Academics Purpose	3
Principles of Management	3
Fundamentals of Culinary Arts	3
Islamic studies	2
Introduction to Hospitality	3
Business / Culinary Math	3

#### Semester 2

Business Communication Skills	3
Pak Studies	2
Accounting & Finance	3
Introduction to Computer	3
Hygiene & Nutrition Management	3
Human Resource Management	3

#### Semester 3

Advance Communication Skills	3
Organization & Consumer Behaviour	3
Beverage & Mixology	3
Sustainable Tourism	3
Restaurant Management	3
Food & Beverage Operations	3

#### Semester 4

Foreign Language (French)	3
Marketing	3
Food & Beverage Cost Controlling	3
Phycology	3
Business Statistics	3
International Cuisine	3

#### Semester 5

World of Baking	3
Advanced Techniques in Culinary Arts	3
Emerging Trends in hospitality	3
Meat Identification & Fabrication	3
Entrepreneurship	3

#### Semester 6

Menu Development and Profitability	3
Fish and Crustaceans	3
Food Analysis and Microbiology	3
Art of Food Styling	3
Pastry Arts	3

#### Semester 7

Sustainable Food	3
Grade Manger	3
Elective-II	3
Elective-III	3
FYP-I	3

#### Semester 8

Project Management	3
Elective-I	3
Elective-II	3
Elective-III	3
FYP-II	3

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# Associate Degree in Business Administration

Course Duration	2 Years
Semesters	4
Total Credit Hours	67

## Eligibility

Intermediate or equivalent.

### Semester 1

Money, Banking & Finance	3
Functional English - I	3
Business Mathematics	3
Financial Accounting - I	3
Computer Application in Business	3
Islamic Studies	2

### Semester 2

Financial Accounting - II	3
Functional English - II	3
Business Statistics	3
Microeconomics	3
Business Studies	3
Pakistan Studies	2

### Semester 3

Principles of Management	3
Sociology	3
Principle of Marketing	3
Entrepreneurship	3
Business Communication & Report Writing	3
Management Accounting	3

### Semester 4

Introduction to Psychology	3
Human Resource Management	3
Financial Management	3
Consumer Behaviour	3
Internship	3

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# Associate Degree

## in Hospitality and Tourism Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	70

### Eligibility

Intermediate or equivalent.

### Semester 1

Islamic Studies	2
Business Math	3
Functional English 1	3
Principle of Management	3
Computer Application	3
Introduction hospitality and Tourism Management	3

### Semester 2

Hotel Management 1	3
Hospitality and Tourism Marketing	3
Functional English 2	3
Pak studies	2
Event Management	3
Restaurant Management	3

### Semester 3

CSPD	3
Front office Operation Management	3
Cultural and Pakistan Tourist destinations	3
Active Citizenship Program	3
Financial Management	3
Human Resource Management	3

### Semester 4

Entrepreneurship	3
Customer Relationship Management	3
Food and Beverages Management	3
Hospitality Project Management	3
International Tourism and Travel Management	3
Internship	3

# Associate Degree

## in Healthcare Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	70

### Eligibility

Intermediate or equivalent.

### Semester 1

Functional English-I	3
Introduction to Computer	3
Islamic Studies	2
Introduction to Healthcare	3
Principles of Management	3
Healthcare Marketing	3

### Semester 2

Accounting 1	3
Introduction to Healthcare Law	3
Pak Studies	2
English-II	3
Biostatistics	3
Healthcare Management Information System	3

### Semester 3

Organizational Behavior in Healthcare Management	3
Healthcare Entrepreneurship	3
Healthcare Operations Management	3
Human Resource Management	3
Introduction to Healthcare Research CSPD	3

### Semester 4

Disaster & Risk Management in Healthcare	3
Theories of Health Behavior	3
Professional Development & Leadership in Healthcare	3
Active Citizenship	3
Planning of Public Health Program	3
Internship	3

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# FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY



## Dean's Message

Faculty of Computer Science and Informational Technology welcomes you to a world characterized by big data, artificial intelligence, data science, cyber security, and internet of things. We will make you an innovative tech player, who is ready to take this world to the next frontiers with advancements in information technology. Life at CS & IT revolves around laptops, gadgets, ideas, and innovations. Besides the latest curriculum, we will offer you a hands-on experience through our integrated business units like **Superior Connections** and **Infinit Labs** where you could master tricks of the trade before entering the industry. Our research culture will empower you to create new knowledge and learn the art of commercialization of your ideas and products.

For the past few years, we have welcomed individuals who were passionate about their dreams and ambitious to create a new world of opportunities. It is your chance to join us and make a difference.

Prof. Dr Arfan Jaffar



- Ph.D Computer Science
- Ph.D Data Science
- MS Computer Science
- MS Information Technology
- MS Software Engineering
- MS (Information Security)
- MS Data Science
- MS in Software Project Management
- BS Computer Science
- BS Information Technology
- BS Software Engineering
- BS Data Science
- BS Artificial Intelligence
- BS Cyber Security
- BS Gaming and Multimedia
- BS Internet of Things
- BS Robotics
- Associate Degree in Computer Science
- Associate Degree in Web Design and Development
- Associate Degree in Cyber Security
- Associate Degree in Gaming & Multimedia

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Mr. Saleem Mustafa	Ms. Tayyaba Farhat	Mr. Osama Imran	
Mr. Muhammad Nasir Nawaz	Mr. Muhammad Arif	Mr. Muzammil Dilawar	

# Ph.D

## Computer Science

Course Duration	3 Years
Semesters	6
Total Credit Hours	18 (Coursework)

### Eligibility

Degree in relevant subject, earned from a recognized university after 18 years of education with at least 75% marks or CGPA of at least 3.0 (on a scale of 4.0). Qualify GAT Subject Test (NTS) with 60% or GAT Subject (University) with 70%.

### Semester 1

Elective-I	3
Elective-II	3
Elective-III	3

### Semester 2

Elective-IV	3
Elective-V	3
Elective-VI	3

### Semester 3,4,5 & 6

Thesis

### List of Electives

Advanced Information Security	3
Advanced Cyber Security	3
Research Methods	3
Advanced Image Processing	3
Advanced Data Science	3
Advanced Human Computer Interaction	3
Advanced Machine Learning	3

# Ph.D

## Data Science

Course Duration	3 Year
Semesters	6
Total Credit Hours	48

### Eligibility

- 18-years of education with 3 CGPA in science/engineering/mathematics discipline preferably with 2 years degree program of MS (SE/CS/IT/EE/CE/DS) or equivalent from HEC recognized university or degree awarding institute.
- Candidates with relevant master's degrees and candidates with course work or research experience in data science. Relevant degrees include mathematics, statistics, computer science, engineering, and other scientific disciplines that develop skills in drawing inferences or making predictions using data.
- Two years of relevant work experience is recommended.
- Minimum 80% marks in previous degree in case of annual system or 3.00/4.0 CGPA in case of semester system with no more than one second division throughout the academic career.
- No third division in entire academic career.
- Pass the following:
  - HEC (HAT) / GAT NTS (General) / Superior Graduate Admission Test; (at least 70%)
  - Admission Interview by Superior Post Graduate Admission Committee

### Semester 1

Elective-I	3
Elective-II	3
Elective-III	3

### Semester 2

Elective-IV	3
Elective-V	3
Elective-VI	3

### Semester 3,4,5 & 6

Thesis

### List of Electives

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

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# MS

## Computer Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Advanced Analysis of Algorithm	3
Advanced operating system	3
Research Methods	3
Elective-I	3

### Semester 2

Advanced Computer Architecture	3
Theory of Computation	3
Elective-II	3
Elective-III	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Artificial Intelligence	3
Semantic Web	3
Data Science	3
Big Data Analytics	3
Advance Software Project Management	3
Advance Software Quality Assurance	3
Advance Database Management System	3
Information security and Assurance	3
IT Infra Structure	3

# MS

## Information Technology

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Advance Database Management System	3
IT Infra Structure	3
Research Methods	3
Elective-I	3

### Semester 2

Information Security and Assurance	3
Elective-II	3
Elective-III	3
Elective-IV	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Artificial Intelligence	3
Semantic Web	3
Data Science	3
Big Data Analytics	3
Advanced Analysis of Algorithm	3
Advanced operating system	3
Advance Software Project Management	3
Advance Software Quality Assurance	3
Advanced Computer Architecture	3

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# MS

## Software Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Software Quality Assurance and Testing	3
Research Methods	3
Elective-I	3
Elective-II	3

### Semester 2

Advanced Software Architecture	3
Requirement Engineering	3
Elective-III	3
Elective-IV	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Automated Software Engineering	3
Advanced Software Project Management	3
Advanced Human-Computer Interaction	3
Advanced Web Computing System and Application	3
Advanced Usability Engineering	3
Component-based Software Engineering	3
Software Re-Engineering	3
Advanced Software Engineering.	3

# MS

## Information Security

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Data Security & Cryptography	3
Research Methods	3
Elective-I	3
Elective-II	3

### Semester 2

Information Security and Assurance	3
Advanced Analysis of Algorithm	3
Elective-III	3
Elective-IV	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Advance Network Security	3
Malware Analysis and Reverse Engineering	3
Critical Infrastructure Protection and Incident Management	3
Cloud Security	3
Network Forensics	3
Quantum Cryptography	3
Machine Learning	3
Applied Image Processing	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# MS

## Data Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Machine Learning	3
Research Methods	3
Elective-I	3
Elective-II	3

### Semester 2

Statistical and Mathematical Methods	3
Tools and Techniques and Data Science	3
Elective-III	3
Elective-IV	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Advanced Computer Vision	3
Machine Learning	3
Applied Image Processing	3
Big Data Analytics	3
Advanced Data Science	3
Cloud computing	3
Data Visualization	3
Deep Learning	3
Deep Reinforcement Learning	3
Natural Language Processing	3
Social network analysis	3
Time-series Analysis and Prediction	3

# MS

## in Software Project Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Degree in relevant subject, earned from a recognized university after 16 years of education with at least 60% marks or CGPA of at least 2.0 (on a scale of 4.0). Qualify GAT Test General (NTS) with 50% or GAT Test (University) with 60%.

### Semester 1

Advance Software Project Management	3
Advance Software Quality Assurance	3
Research Methods	3
Elective-I	3

### Semester 2

Advance Management & Organizational Behavior	3
Advance Requirement Engineering	3
Advance Software Process Management & Metrics	3
Elective-II	3

### Semester 3 & 4

Thesis	6
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### List of Electives

Artificial Intelligence	3
Semantic Web	3
Data Science	3
Big Data Analytics	3
Advanced Analysis of Algorithm	3
Advanced operating system	3
Advance Database Management System	3
IT Infra Structure	3

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# BS

## Computer Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

### Semester 1

Programming Fundamentals	4
Introduction to Information & Communication Technology	4
Applied Physics	3
English Composition & Comprehension	3
University Elective-1	3

### Semester 2

Object Oriented Programming	4
Calculus & Analytical Geometry	3
Digital Logic & Design	4
Communication and Presentation Skills	3
Discrete Structures	3

### Semester 3

Data Structures & Algorithms	4
Probability & Statistics	3
Computer Organization & Assembly Language	4
Linear Algebra	3
CS Supporting-1	3

### Semester 4

Database Systems	4
Design & Analysis of Algorithms	3
CS Supporting-2	3
Operating Systems	4
CS Supporting-3	3

### Semester 5

Islamic Studies	2
Computer Networks	4
Software Engineering	3
CS Elective-1	3
CS Elective-2	3
Technical & Business Writing	3

### Semester 6

CS Elective-3	3
University Elective-2	3
Artificial Intelligence	4
Theory of Automata	3
University Elective-3	3
Pakistan Studies	2

### Semester 7

Final Year Project-I	3
CS Elective-4	3
Parallel & Distributed Computing	3
Information Security & Cryptography	3
Compiler Construction	3

### Semester 8

Final Year Project-II	3
CS Elective-5	3
Professional Practices	3
University Elective-4	3

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# BS

## Information Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

#### Semester 1

Introduction to Information & Communication Technologies	4
Programming Fundamentals	4
Applied Physics	3
Professional Practices	3
English Composition & Comprehension	3

#### Semester 2

Object Oriented Programming	4
Communication & Presentation Skills	3
Probability & Statistics	3
Discrete Structures	3
Calculus & Analytic Geometry	3

#### Semester 3

Data Structures & Algorithms	4
IT Supporting-1	3
Information Security	3
Information Technology Project Management	3
Islamic Studies/ Ethics	2
Linear Algebra	3

#### Semester 4

Operating System	4
Database Systems	4
IT Supporting-2	3
Web Systems and Technologies	3
Software Engineering	3

#### Semester 5

Computer Networks	4
Database Administration and Management	4
IT Elective-1	3
IT Elective-2	3
Technical & Business Writing	3

#### Semester 6

University Elective-1	3
Pakistan Studies	2
System and Network Administration	4
IT Elective-3	3
Virtual Systems and Services	4

#### Semester 7

IT Elective-4	3
Final Year Project - I	3
IT Supporting-3	3
University Elective-2	3
University Elective-3	3

#### Semester 8

Final Year Project - II	3
IT Elective-5	3
Cyber Security	3
University Elective-4	3
Information Technology Infrastructure	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# BS

## Software Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

### Semester 1

Programming Fundamentals	4
Introduction to Information & Communication Technologies	4
University Elective-1	3
Applied Physics	3
English Composition & Comprehension	3

### Semester 3

Data Structures & Algorithms	4
Pakistan Studies	2
Software Requirement Engineering	3
Human Computer Interaction	3
Linear Algebra	3
Islamic Studies	2

### Semester 5

Software Engineering Elective-1	3
Software Engineering Elective-2	3
Computer Networks	4
University Elective-2	3
Web Engineering	3

### Semester 7

Final Year Project 1	3
Information Security	3
Software Construction & Development	3
Software Engineering Elective-5	3
Software Project Management	3

### Semester 2

Object Oriented Programming	4
Software Engineering	3
Communication & Presentation Skills	3
Discrete Structures	3
Calculus & Analytical Geometry	3

### Semester 4

Database Systems	4
Operating Systems	4
Probability & Statistics	3
Software Design & Architecture	3
Software Engineering Supporting-1	3

### Semester 6

Software Engineering Supporting-2	3
Software Quality Engineering	3
Software Engineering Elective-3	3
Software Engineering Elective-4	3
Software Engineering Supporting-3	3
University Elective-3	3

### Semester 8

Final Year Project-II	3
Software Re-Engineering	3
Professional Practices	3
Technical & Business Writing	3
University Elective-4	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.



# BS

## Data Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

### Semester 1

Programming Fundamentals	4
Introduction to Information & Communication Technologies	4
University Elective-1	3
Discrete Structures	3
English Composition & Comprehension	3

### Semester 2

Object Oriented Programming	4
Pakistan Studies	2
Communication & Presentation Skills	3
Probability and Statistics	3
Islamic Studies	2
Calculus & Analytical Geometry	3

### Semester 3

Data Structures & Algorithms	4
Technical & Business Writing	3
Artificial Intelligence	4
Information Security	3
Linear Algebra	3

### Semester 4

Database Systems	4
Operating Systems	4
Differential Equations	3
DS Elective-1	3
Introduction to Data Science	3

### Semester 5

Advance Statistics	3
Software Engineering	3
Computer Networks	4
Analysis of Algorithms	3
Digital Logic Design	4

### Semester 6

DS Elective-2	3
Computer Org. & Assembly Language	4
University Elective-2	3
DS Elective-3	3
Data Mining	3

### Semester 7

Final Year Project 1	3
DS Elective-4	3
University Elective-3	3
Big Data Analytics	3
Parallel & Distributed Computing	3

### Semester 8

Final Year Project-II	3
University Elective-4	3
Professional Practices	3
Data Visualization	3
Data Warehousing & Business Intel.	3

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# BS

## Artificial Intelligence

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

### Semester 1

Programming Fundamentals	4
Introduction to Information & Communication Technologies	4
University Elective-1	3
Discrete Structures	3
English Composition & Comprehension	3

### Semester 2

Object Oriented Programming	4
Pakistan Studies	2
Communication & Presentation Skills	3
Probability and Statistics	3
Islamic Studies	2
Calculus & Analytical Geometry	3

### Semester 3

Data Structures & Algorithms	4
Technical & Business Writing	3
Artificial Intelligence	4
Information Security	3
Linear Algebra	3

### Semester 4

Database Systems	4
Operating Systems	4
Differential Equations	3
AI Elective-1	3
Programming for AI	3

### Semester 5

Computing Vision	3
Software Engineering	3
Computer Networks	4
Analysis of Algorithms	3
Digital Logic Design	4

### Semester 6

AI Elective-2	3
Computer Org. & Assembly Language	4
University Elective-2	3
AI Elective-3	3
Knowledge Representation & Reasoning	3

### Semester 7

Final Year Project 1	3
AI Elective-4	3
University Elective-3	3
Machine Learning	3
Parallel & Distributed Computing	3

### Semester 8

Final Year Project-II	3
University Elective-4	3
Professional Practices	3
Artificial Neural Networks	3
Natural Language Processing	3

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# BS

## Cyber Security

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

#### Semester 1

Introduction to Information & Communication Technologies	4
Programming Fundamentals	4
Pakistan Studies	2
Digital Logic Design	4
English Composition & Comprehension	3

#### Semester 2

Object Oriented Programming	4
Database Systems	4
Probability & Statistics	3
Communication & Presentation Skills	3
Calculus & Analytic Geometry	3

#### Semester 3

Data Structures & Algorithms	4
Information Security	3
Artificial Intelligence	4
Linear Algebra	3
Technical & Business Writing	3

#### Semester 4

Computer Networks	4
Computer Organization & Assembly Language	4
Analysis of Algorithms	3
Introduction to Cyber Security	3
Cyber Security Elective-1	3

#### Semester 5

Operating System	4
Digital Forensics	3
Information Assurance	3
Network Security	3
Discrete Structures	3
Parallel & Distributed Computing	3

#### Semester 6

Secure Software Design and Development	3
Vulnerability Assessment & Reverse Engineering	3
University Elective-1	3
Cyber Security Elective-2	3
Islamic Studies/ Ethics	2

#### Semester 7

Final Year Project - I	3
Software Engineering	3
Cyber Security Elective-3	3
Differential Equations	3
University Elective-2	3

#### Semester 8

Final Year Project - II	3
University Elective-3	3
University Elective-4	3
Professional Practices	3
Cyber Security Elective-4	3

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# BS

## Gaming and Multimedia

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent with 50 % Marks

### Semester 1

Programming Fundamentals	4
Introduction to Information & Communication Technologies	4
University Elective-1	3
English Composition and Comprehension	3
Applied Physics	3

### Semester 3

Data Structures and Algorithms	4
Gaming Supporting-1	3
Linear Algebra	3
Probability & Statistics	3
Pakistan Studies	2
Fundamentals of Game Design	3

### Semester 5

Game Programming	3
3D Modeling and Animation	3
Software Engineering	3
Gaming Supporting-3	3
University Elective-2	3
Gaming Elective-2	3

### Semester 7

Information Security & Cryptography	3
Interactive Game and Audio	3
Technical & Business Writing	3
Final Year Project I	3
Gaming Elective-5	3

### Semester 2

Object Oriented Programming	4
Discrete Structures	3
Communication and Presentation Skills	3
Multimedia Systems and Design	3
Calculus and Analytical Geometry	3
Islamic Studies	2

### Semester 4

Database System	4
Gaming Supporting-2	3
Operating Systems	4
Gaming Elective-1	3
Computer Graphics	3

### Semester 6

Game Project Management	3
Gaming Elective-3	3
Computer Networks	4
Gaming Elective-4	3
University Elective-3	3

### Semester 8

Multicore and GPU Programming	3
Professional Practices	3
University Elective-4	3
Final Year Project II	3

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# BS

## Internet of Things

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent

#### Semester 1

Introduction to Information & Communication Technologies	4
Programming Fundamentals	4
Pakistan Studies	2
Digital Logic Design	4
English Composition & Comprehension	3

#### Semester 2

Object Oriented Programming	4
Database Systems	4
Probability & Statistics	3
Communication & Presentation Skills	3
Calculus & Analytic Geometry	3

#### Semester 3

Data Structures & Algorithms	4
Information Security	3
Artificial Intelligence	4
Linear Algebra	3
Technical & Business Writing	3

#### Semester 4

Computer Networks	4
Computer Organization & Assembly Language	4
Analysis of Algorithms	3
Introduction to Internet of Things	3
IoT Elective-1	3

#### Semester 5

Operating System	4
IoT Analytics and data visualization with Cloud Services	3
Microcontrollers for IoT Devices	3
Network Protocols for IoT	3
Discrete Structures	3

#### Semester 6

Parallel & Distributed Computing	3
Introduction to Security of Internet of Things and Cyber-Physical Systems	3
IoT Applied Machine Learning	3
University Elective-1	3
IoT Elective-2	3
Islamic Studies/ Ethics	2

#### Semester 7

Final Year Project - I	3
Software Engineering	3
IoT Elective-3	3
Differential Equations	3
University Elective-2	3

#### Semester 8

Final Year Project - II	3
University Elective-3	3
University Elective-4	3
Professional Practices	3
IoT Elective-4	3

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# BS

## Robotics

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

Intermediate or Equivalent

### Semester 1

Introduction to Information & Communication Technologies	4
Programming Fundamentals	4
Applied Physics	3
English Composition & Comprehension	3
University Elective-1	3

### Semester 2

Object Oriented Programming	4
Communication and Presentation Skills	3
Calculus & Analytical Geometry	3
Discrete Structures	3
Islamic Studies	2
Introduction to Robotics	3

### Semester 3

Data Structures & Algorithms	4
Robotics Supporting-1	4
Linear Algebra	3
Robotics Design-I	3
Robotics Supporting-2	3

### Semester 4

Probability & Random Processes	3
Robotics Elective-1	3
Database Systems	4
Robotics Design-II	3
Operating Systems	4

### Semester 5

Computer Networks	3
Digital Signal Processing	3
Technical & Business Writing	3
Software Engineering	3
Pakistan Studies	2
Engineering Mechanics (Statics & Dynamics)	3

### Semester 6

Feedback Control System	3
Embedded Systems	3
University Elective-2	3
Robotics Machine Design	3
Robotics Supporting-3	3
University Elective-3	3

### Semester 7

Robotics Elective-2	3
Robotics Elective-3	3
Information Security & Cryptography	3
University Elective-4	3
Final Year Project I	3

### Semester 8

Robotics Elective-4	3
Robotics Elective-5	3
Professional Practices	3
Final Year Project II	3

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# Associate Degree

## in Computer Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	72

### Eligibility

Intermediate/Equivalent with minimum 50% marks

### Semester 1

Programming Fundamentals	4
Introduction to Info. & Comm. Technologies	4
English Composition & Comprehension	3
Calculus & Analytical Geometry	3
Pakistan Studies	2
Islamic Studies	2

### Semester 2

Object Oriented Programming	4
Technical & Business Writing	3
Database Systems	4
Web Application Development	3
Digital Logic and Design	4

### Semester 3

Data Structure and Algorithms	4
Probability & Statistics	3
Mobile Application Development/Game	3
Programming	3
Software Engineering	3
Digital Marketing	3
Technopreneurship	3

### Semester 4

Advance Computer Programming	4
Computer Organization & Assembly Language	4
Active Citizenship Program	3
Freelancing	3
Final Project	3

# Associate Degree

## in Web Design and Development

Course Duration	2 Years
Semesters	4
Total Credit Hours	72

### Eligibility

Intermediate/Equivalent - Pass

### Semester 1

Programming Fundamentals	4
Introduction to Info. & Comm. Technologies	4
English Composition & Comprehension	3
Calculus & Analytical Geometry	3
Islamic Studies	2

### Semester 2

Object Oriented Programming	4
Technical & Business Writing	3
Database Systems	4
Web Application Development	3
Digital Logic and Design	4

### Semester 3

Data Structure and Algorithms	4
Digital Marketing	3
Graphic Designing	3
Mobile Application Development/Game	3
Development	3
Software Engineering	3
Technopreneurship	3

### Semester 4

Advanced Computer Programming	4
Information Security & Cryptography	3
Active Citizenship Program	3
Advance Web	3
Freelancing	3
Final Project	3

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# Associate Degree

## in Cyber Security

Course Duration	2 Years
Semesters	4
Total Credit Hours	72

### Eligibility

Intermediate/Equivalent - Pass

### Semester 1

Programming Fundamentals	4
Introduction to Info. & Comm. Technologies	4
English Composition & Comprehension	3
Calculus & Analytical Geometry	3
Pakistan Studies	2
Islamic Studies	2

### Semester 2

Object Oriented Programming	4
Technical & Business Writing	3
Database Systems	4
Web Application Development	3
Digital Logic and Design	4

### Semester 3

Data Structure and Algorithms	4
Computer Networks	4
Mobile Application Development/Game Programming	3
Software Engineering	3
Technopreneurship	3

### Semester 4

Ethical Hacking	3
Freelancing	3
Computer Organization & Assembly Language	4
Information Security & Cryptography	3
Active Citizenship Program	3
Final Project	3

# Associate Degree

## in Gaming & Multimedia

Course Duration	2 Years
Semesters	4
Total Credit Hours	72

### Eligibility

Intermediate/Equivalent - Pass

### Semester 1

Programming Fundamentals	4
Introduction to Info. & Comm. Technologies	4
English Composition & Comprehension	3
Calculus & Analytical Geometry	3
Islamic Studies	2

### Semester 2

Object Oriented Programming	4
Technical & Business Writing	3
Database Systems	4
Web Application Development	3
Digital Logic and Design	4

### Semester 3

Data Structure and Algorithms	4
Probability & Statistics	3
Digital Marketing	3
Graphic Designing	3
Game Programming	3
Technopreneurship	3

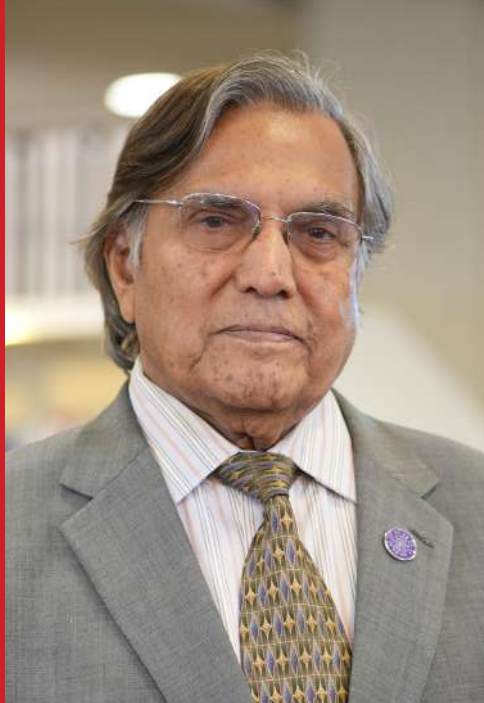
### Semester 4

Advanced Computer Programming	4
Active Citizenship Program	3
3D Modelling & Animations	3
Multimedia Systems & Design	3
Freelancing	3
Final Project	3

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**FACULTY OF SOCIAL  
SCIENCES**



## Dean's Message

I welcome you to the world of people, media, business, communities and relationships. You are becoming a part of bigger, bolder superior, where ideas and initiatives are always welcomed and encouraged to create new understanding of relevant knowledge and its implementation through experiential learning. We believe in delivering quality education structured upon techniques of outcome-based education and project-based learning. Your years with us will make you observant, analytical and diversified through our teaching and learning pedagogies. Your research abilities, handling information and firm footed attitude to meet life scenarios will be polished to make you an asset for professional world. From mentoring to sociopreneurship, you will be trained to create valued impact in society.

The vibrant campus life at Superior will become a memory filled with joy and learning to support and guide you through every phase of life. Our integrated business units like **Neo TV, Lahore Rang, Ekselent TV, Daily Nai Baat**, and **FM 106.6** are the mediums to help you learn the art of communication and make a difference. In the faculty of Social Sciences, your journey is going to be that of a social science expert, to help you live personally and professionally successful life.

Prof. Dr. Muhammad Nizamuddin



- Ph.D Communication Studies
- M.Phil in Mass Communication
- MS Clinical Psychology
- MS Political Science
- MS International Relations
- MS Sociology
- BS Mass Communication Management
- BS Digital Media and Broadcast Journalism
- BS Clinical Psychology
- BS Political Science
- BS International Relations
- BS Public Policy and Governance
- BS Criminology

Prof. Dr. Muhammad Nizauddin  
 Dr. Zubair Mahmood  
 Dr. Sajid Hussain  
 Dr. Faizullah  
 Dr. Neelam Bano  
 Mr. Asim Manzoor  
 Ms. Hina Gul  
 Ms. Bushra Rafiq  
 Mr. Abbas Rashid  
 Ms. Sobia Abbas  
 Mr. Tariq Aziz  
 Mr. Muhammad Umar Saeed  
 Mr. Muhammad Farhan Taj  
 Mr. Saba Sajid  
 Mr. Mujeeb Riaz  
 Mr. Rana Waqas  
 Mr. Atif Riaz  
 Ms. Sadaf Azam  
 Ms. Maryam  
 Ms. Saman Riaz  
 Ms. Abida Sarwar

Mr. Qasim Sandhu  
 Mr. Rohail Asghar  
 Ms. Aqsa Zahid  
 Mr. Nadeem Akhtar  
 Mr. Zubair Sajid  
 Mr. Adnan Khalid  
 Ms. Rabika Nadeem  
 Mr. Kamran Shoukat  
 Mr. Aqib Ijaz  
 Ms. Saira Majid  
 Ms. Rafia Batool  
 Ms. Laraib Azhar  
 Ms. Huma Nawab  
 Mr. Fahad Munir

# Ph.D

## Communication Studies

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### Eligibility

Minimum 3.0 GPA in the relevant field out of 4.00 GPA.  
Quality GAT subject (NTS) with 60 % or GAT Subject (University) with 70%.

### Semester 2

Dissertation Writing Techniques	3
Research Seminar /Research Practicum	3
Optional	3

### Semester 1

Advanced Methods in Mass Communication Research	3
Media debates: Issues in Media and communication	3
Information Management	3

### Semester 3,4,5 & 6

Ph.D. Thesis	30
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# M.Phil

## in Mass Communication (Professional Track)

Program Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum 2.8 GPA in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Approaches to Mass Communication Studies-I	3
Documentary Writing and Production	3
Mass Media Research Methods	3
Media Culture & Society	3

### Semester 2

Approaches to Mass Communication Studies- II	3
Film Theory & Analysis Approaches	3
Advanced Digital Media	3
Project Writing Techniques	3

### Semester 3 & 4

M.Phil TV Project	6
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# M.Phil

## in Mass Communication (Research Track)

Program Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum 2.8 GPA in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Approaches to Mass Communication Studies-I	3
Philosophy of Social Sciences	3
Communication Research Methods I	3
Media Culture & Society	3

### Semester 2

Approaches to Mass Communication Studies- II	3
Communication Research Methods II	3
Advanced Digital Media	3
Dissertation Writing Techniques	3

### Semester 3 & 4

Research Thesis	6
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# MS

## Clinical Psychology

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### Eligibility

04 years BA/B.Sc. (Hons) with a minimum CGPA of 2.50 OR 60% marks in Masters after 02 years BA/ B.Sc.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Introduction to Clinical Psychology	2
Professional Ethics and Legal issues in Psychology	1
Neuropsychology	2
Child Psychopathology & Assessment	3
Therapeutic Interventions	3

### Semester 2

Psychopharmacology	3
Adult Psychopathology & Assessment	3
Clinical Placement Child & Case Reports	3

### Semester 3

Advanced Statistics & Data Analysis	3
Clinical Placement Adult & Case Reports	3
Research Methods in Psychology	3

### Semester 4

Client Consultation, Case Conference, Professional Skills	1
Thesis/ Research Dissertation	6

# MS

## Political Science

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Advance Research Methodology	3
Comparative politics	3
International relations: Advance Theory and Practice	3
Public Policy Analysis	3

### Semester 2

Global Political Economy	3
Foreign Policy Analysis	3
Social Change and Political Development	3
Advanced Quantitative Data Analysis and Interpretation	3

### Semester 3 & 4

Thesis/ Research Dissertation	6
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# MS

## International Relations

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Advance Research Methodology	3
International Relation: Advanced Theory and Practice	3
Traditional and Non-traditional Security Paradigms	3
Role of International Financial Institutions in International Relations	3

### Semester 2

Global Political Economy	3
Foreign policy Analysis	3
International Organizations	3
Advance Quantitative Data Analysis and Interpretation	3

### Semester 3 & 4

Thesis/ Research Dissertation	6
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# MS

## Sociology

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Advance Research Methodology	3
Contemporary Sociological Theories	3
Social Statistics	3
Sociology of Development	3

### Semester 2

Gender Issues	3
Population Dynamics	3
Community Development and Social Mobilization	3
Advance Quantitative Data Analysis and Interpretation	3

### Semester 3 & 4

Thesis/ Research Dissertation	6
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# BS

## Mass Communication Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

50% marks in intermediate or Equivalent

### Semester 1

Islamic Studies	2
Computer Application in Business	3
English For Academic Purpose	3
Introduction to Communication Studies & New Media	3
Media History Press Laws & Ethics	3
Statistics	3

### Semester 2

Pakistan Studies	2
Business Communication Skills	3
Functional Urdu	3
Introduction to Business Studies	3
Sociology	3
Theories of Communication I	3

### Semester 3

Creative Writing	3
Advanced Communication Skills	3
Psychology	3
Broadcast Journalism	3
Theories of Communication II	3
News Writing & Editing	3

### Semester 4

Marketing Management	3
Production-I	3
Graphic Designing	3
Introduction to International Relations	3
Online Journalism	3
Media Research Method I	3

### Semester 5

Photographic Journalism	3
Social Entrepreneurship	3
Media Research Method II	3
Production-II (Post Production)	3
Principle of Advertising	3
Feature Column & Editorial Writing	3

### Semester 6

Magazine Journalism	3
Film Theory & Criticism	3
Documentary Making	3
Media entrepreneurship	3
International Communication	3
Strategic Media Management	3

### Semester 7

Media Culture & Society	3
Final Year Project - I	3
Drama Production	3
Videography- One Man Crew	3

### Semester 8

Final Year Project - II	3
Public Relations Management	3
Television Commercial Making	3
News Package & Program Production	3

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# BS

## Digital Media and Broadcast Journalism

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

50% marks in intermediate

### Semester 1

Islamic Studies	2
Computer Application in Business	3
English for Academic Purpose	3
Fundamentals of Communication & Digital Media	3
Cyber Laws	3
Statistics	3

### Semester 2

Pakistan Studies	2
Business Communication Skills	3
Functional Urdu	3
Introduction to Business Studies	3
Sociology	3
Theories of Communication I	3

### Semester 3

Theories of Communication II	3
Psychology	3
Online Journalism	3
Advanced Communication Skills	3
Digital Media Content Creation	3
Television, Digital Media & Society	3

### Semester 4

Digital Media Marketing	3
Photography	3
Introduction to International Relations	3
Graphic Designing & Visual Communication	3
Mass Media Research Methods	3
Digital Streaming Platforms: YouTube, Netflix, Urdu flex and beyond	3

### Semester 5

Writing & Reporting in digital media	3
Digital Video and Podcast Production	3
News Package & Program Production	3
Research Methods II	3
Social Entrepreneurship	3
Digital Media well being	3

### Semester 6

Online Tools: Programming and Web Design	3
Free Lancing Techniques	3
Digital Entrepreneurship	3
Digital Media Advertising	3
SEO and SMO (Search Engine Optimization and Social Media Optimization)	3
Animation I	3

### Semester 7

Digital Democracy and Governance	3
Animation II	3
Digital Public Relations & Advocacy	3
FYP-I	3

### Semester 8

E-Commerce	3
Videography- One Man Crew	3
FYP-II	3
Digital Story telling	3

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# BS

## Clinical Psychology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

Intermediate or Equivalent with 55% marks

#### Semester 1

Functional English	3
Pakistan Studies	3
Introduction to Computer	3
Introduction to Psychology	3
Sociology	3

#### Semester 2

Communication & Writing Skills	3
Islamic Studies	3
Professional Ethics in Psychology	3
Mathematics	3
Introduction to Clinical Psychology	3
Sports Psychology	3

#### Semester 3

Technical Writing and Presentation Skills	3
Perspectives in Psychology	3
Organizational Psychology	3
Educational Psychology	3
Health Psychology	3
Personality Theories	3

#### Semester 4

Brain, Bio Chemistry & Behavior	3
Developmental Psychology	3
Community Based Rehabilitation	3
Abnormal Psychology	3
Gender Issues in Psychology	3
Positive Psychology	3

#### Semester 5

Psychopathology (Adult)	3
Neurological Basis of Behavior	3
Active Citizenship	3
Introduction to Research Methods	2
Psychological Assessment I (Theory)	2
Psychological Assessment II (Theory)	1
Statistics I	3

#### Semester 6

Healthcare Social Entrepreneurship	3
Psychopathology (Child)	3
Psychological Assessment II (Theory)	3
Psychological Assessment II (LAB)	3
Therapeutic Interventions I	3
Statistics II	3

#### Semester 7

Therapeutic Interventions II	3
Counselling Psychology	3
Clinical Case Studies Aduly Placement	3
Occupational Therapy in Rehabilitation	3
Color Theory & Application	3

#### Semester 8

Crisis Intervention	3
Clinical Case Studies Child Placement	3
Forensic Psychology	3
Research Thesis	6

# BS

## Political Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

Intermediate or Equivalent

### Semester 1

Expository Writing - I	3
Pakistan Studies	3
Islamic Studies	3
Natural Science - I	3
Social Science - I	3
Quantitative Reasoning - I	3

### Semester 2

Expository Writing - II	3
Social Science - II	3
Arts & Humanities - I	3
Natural Science - II	3
Quantitative Reasoning - II	3

### Semester 3

Expository Writing - III	3
Citizenship Education	3
Arts & Humanities - II	3
Peace Studies	3
Introduction to Economics	3
Communication and Media Studies	3

### Semester 4

Muslim Political Philosophy - I	3
Political System (Developing)	3
Introduction to International Relations	3
Western Political Philosophy	3
Comparative and Developmental Politics	3

### Semester 5

International Political Economy	3
History of International Relations	3
Introduction to Local Government	3
Research Methodology	3
Entrepreneurship	3
Muslim Political Philosophy - II	3

### Semester 6

Political System (Developed)	3
Constitutional Development and Pakistan Politics	3
Diplomacy	3
Ideology and Dynamic of Pakistan Politics	3
Foreign Policy Analysis	3
Nuclear Studies	3

### Semester 7

Pakistan Movement	3
Foreign Policy of China and Russia	3
Political Economy of Pakistan	3
Conflict and Conflict Resolution	3
Final Year Project - I	3

### Semester 8

Foreign Policy of UK and USA	3
International Politics of Human Rights	3
International Organizations	3
Foreign Policy of Pakistan	3
Final Year Project - II	3

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# BS

## International Relations

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

Intermediate or Equivalent

### Semester 1

Expository Writing - I	3
Pakistan Studies	3
Natural Science - I	3
Social Science - I	3
Quantitative Reasoning - I	3
Islamic Studies	3

### Semester 2

Expository Writing - II	3
Social Science - II	3
Arts & Humanities - I	3
Natural Science - II	3
Quantitative Reasoning - II	3

### Semester 3

Expository Writing - III	3
Citizenship Education	3
Arts & Humanities - II	3
Peace Studies	3
Communication and Media Studies	3
Introduction to Economics	3

### Semester 4

Introduction to International Relations	3
International Relation (1648-1945)	3
Public International Law	3
International Politics of Environment	3
Evolution of State	3

### Semester 5

International Relations (Since1945)	3
Geo Political Structure of the World	3
Foreign Policy Analysis	3
International Security	3
Research Methodology	3
Entrepreneurship	3

### Semester 6

International Political Economy	3
Dynamics of Kashmir Conflicts	3
Foreign Policy of Pakistan	3
Strategic Studies	3
International Politics of Human Rights	3
Diplomacy	3

### Semester 7

Conflict Management and Resolution	3
Comparative Politics	3
Nuclear studies	3
Regional Connectivity and CPEC	3
Final Year Project - I	3

### Semester 8

Globalization and International Relations	3
Comparative Foreign Policies of US, Russia and China	3
Approaches and Theories of International Relations	3
Final Year Project - II	3
Arms Control, Disbarment and Nuclear non- Proliferation	3

# BS

## Public Policy and Governance

Course Duration	4 Years
Semesters	8
Total Credit Hours	128

### Eligibility

Intermediate or equivalent

#### Semester 1

Functional English	3
Islamic Studies	3
Introduction to Political Sciences	3
Basic Mathematics Reasoning	3
Computer for Administrative Purposes	3

#### Semester 2

Academic Reading and Writing	2
Urdu	3
Sociology	3
International Relations	3
Statistics	3
History of Pakistan and India	3

#### Semester 3

Precis and Composition	3
General Sciences & Ability	3
Pakistan Studies	3
Introduction to Public Policy	3
General Knowledge	3

#### Semester 4

Communication and Presentation Skills	2
Education	3
Current and Pakistan Affairs	3
Government & Politics: Concepts & Theories	3
Economics and Policy Development	3
Global Governance	3

#### Semester 5

Technical and Report Writing	2
Information Technology and Public Policy	3
Personnel Administration	3
Human Rights and Active Citizenship	3
Individual, Society and State	3
Institutional Context of Public Policy	3

#### Semester 6

Critical Thinking	2
Economics in Public Policy	3
Community Service	3
Non-Profit (NGO/NPO) Governance	3
Quantitative Analysis	3
Law & Public Policy	3

#### Semester 7

Comparative Public Policy	3
Policy Analysis	3
Globalization & Economic Development	3
Research Methodology	3
Macroeconomics- Fiscal/ Monetary Policies	3

#### Semester 8

Political Economy of Pakistan	3
Social Issues & Public Policy	3
Governmental Budgeting	3
Current and Pakistan Affairs	3
Policy Formulation & Implementation	3
Report Writing	3

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# BS

## Criminology

Course Duration	4 Years
Semesters	8
Total Credit Hours	127

### Eligibility

Intermediate or Equivalent

#### Semester 1

English I	3
Basic Statistics I	3
Introduction to Political Science	3
Environmental Science	3
Computer Art	3

#### Semester 3

English III	3
Pakistan Studies	2
Islamic Studies	2
Introduction to Criminology	3
Introduction to Law	3
Patterns of Crime	3

#### Semester 5

Juvenile Delinquency	3
Sociology of Deviance	3
Active Citizenship Program	3
Islamic Perspective on Crime and Punishment	3
Penology	3

#### Semester 7

Procedure of Evidence in Criminal Law	3
Forensic Criminology	3
Police and Policing	3
Terrorism & Counter Terrorism	3
Final Year Project I	3

#### Semester 2

English II	3
Geology	3
Basic Statistics II	3
Communication Skills and Personality Development	3
Introduction to Sociology	3
History	3

#### Semester 4

Organizational Behaviour and Human Resource Development	3
Theoretical Perspectives on Crimes and Criminals	3
Introduction to Security Studies	3
Introduction to Private Security Management	3
National and International Perspective of Crime and Security	3

#### Semester 6

Applied Criminology	3
Criminal Justice System	3
Crime and Security	3
Crime Mapping	3
Entrepreneurship	3
Criminal Psychology	3

#### Semester 8

Organized Crime and Money Laundering	3
Methods of Criminal Investigations	3
Cyber Crimes	3
Drugs, Abuse and Human Rights Related Crimes	3
Final Year Project II	3

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# FACULTY OF ART AND DESIGN



## Dean's Message

The dialogue between art and design is a dynamic part of our society. The connection between art and its expression in design is strengthened at Superior with the novel opportunities provided by our unique entrepreneurship ecosystem.

An extensive entrepreneurial teaching and training program has a rich curriculum designed in our Outcome Based Education (OBE) model. This provides our students with a chance to combine studies of design, tourism, marketing, economics, education and social sciences. Furthermore, our advertising agency **"Digitara"** is an in-house platform to let your creativity flourish on the practical grounds with experiential learning opportunity.

Our creative community of faculty of art & design is a significant contributor in developing the skillset required by the industry of 21st century. Our diverse international networks bring career opportunities for our fully trained future-facing and globally relevant students aptly suitable for the rapidly changing work environments. Superior in-house practising opportunities and 1-M professional exposure through internships, projects and other integrated learning opportunities guarantee your professional success. We welcome you to the dynamically creative environment of the Faculty of Art and Design.

Prof. Dr. Nabeel Amin

- MS Art & Design
- Bachelor of Architecture
- BS Fashion Design
- BS Fashion Marketing and Merchandising
- Bachelor of Interior Design
- Bachelor of Textile Design
- BS Fine Art
- BS Product Design
- BS Graphic Design
- BS Home Economics
- Bachelor of Landscape Design
- Bachelor of Building Design and Construction

Prof. Dr. Nabeel Amin  
 Ms. Naushaba Azhar  
 Dr. Hassan Iftikhar  
 Dr. Ghulam Abbas  
 Ms. Saba Hisham  
 Ar. Muhammad Faisal Rehman  
 Ar. Azhar Mamoon Sualehi  
 Ar. Azhar Syed  
 Ar. Muhammad Tahir Khan Khalidi  
 Ar. Umer Mehboob Malik  
 As. Rabia Shahbaz  
 Ar. Raja Rehan Tariq  
 As. Mariam Ahmar Rehman  
 Ar. Ahmed Iqbal  
 Ms. Hummaira Kanwal  
 Mr. Syed Aqeel Anwar Kazmi  
 Ar. Ali Zafar Waziri  
 Mr. Zeeshan Ali Adnan  
 Ar. Amna Iqbal  
 Mr. Farzadaq Abbas  
 Ms. Farhana Rasheed

Dr. Umer Hameed  
 Mr. Muhammad Fawad Noori  
 Mr. Amer Hashmi  
 Mr. Waqas Amjad  
 Ms. Zainab Salman Razi  
 Ms. Farwa Ali Munawar  
 Ms. Saba Zahid  
 Ms. Ayesha Hashmi  
 Ms. Asma Aslam  
 Mr. Osama Ahmed  
 Ms. Yumna Habib  
 Mr. Hafiz Zain Ul Abidin  
 Mr. Ibrahim Ihsan Ullah Bajwa  
 Ms. Mubashara Younas  
 Ms. Deerak Minhaj  
 Ms. Farwa Zahid  
 Ms. Azeen Ahmed  
 Ms. Anza Saleem  
 Ms. Raisham Ashraf  
 Ms. Raana Naseer  
 Mr. Muhammad Usman Sadiqi  
 Ms. Tashfeen Ahmad

Ms. Iqra Anis  
 Ms. Nimrah Afzal  
 Mr. Chaudhry Ali Imran  
 Mr. Qalb-e-Abbas  
 Mr. Zain-ul-Abedin  
 Mr. Osama Ahmad  
 Mr. Abdullah Azeem  
 Ar. Muhammad Ahnaf  
 Ar. Shahzeb Ahmad  
 Mr. Usman Siddiqui

# MS

## Art & Design

Course Duration	2 Years
Semesters	4
Total Credit Hours	33

### Eligibility

1. Degree in BS Architecture / Interior Design / Landscape Design / Textile Design / Fashion Design / Fashion Marketing and Merchandising / Graphic Design / Product Design / Building Design & Constructions / Fine Art / Home Economics / BS Civil Engineering / BS Civil Technology Or Equivalent from a Recognised University.
2. Quality GAT Test General (NTS) with 50% or GAT Test (University).

### Semester 1

Research Methodology-1	3
Entrepreneurial Leadership	3
Advance Design	3

### Semester 2

Research Methodology-2	3
Project Management	3
Elective-I	3

### Semester 3

Luxury / Brand Management	3
Product Design & Development	3
Elective-II	3

### Semester 4

Thesis Work	6
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### Elective Subjects

#### Architecture & Interior Design:

- Contemporary Architecture
- Landscape Architecture
- Urban Design Theories & Criticism
- Advance Materials
- Lighting and Acoustics
- Integrated Building Design
- Architectural Heritage and Conservation
- Green Building Concepts & Certifications
- Augmented Reality & Architecture
- Artificial Intelligence in Architecture

#### Textile Design, Fashion Design, Marketing & Merchandising:

- Technical Textiles
- Fancy Yarns
- Textile Composite Structures

- Strategic Marketing and Consumer Psychology
- Visual Merchandising
- Textile & Fashion Forecasting
- Sustainable Textile & Fashion
- Textile & Fashion Supply Chains
- Textile Design & Printing

#### Graphic Design & Product Design:

- Augmented Reality
- Animation
- Digital Enhanced Learning
- Advance Digital Design
- Motion Media & Design
- Interactive Media Design
- Strategic Identity & Design
- Product Design Management
- Industrial Designs

#### Fine Arts:

- Miniature Art
- Advance Landscape
- Live Drawing Practice
- Advance Painting and Printing Techniques
- Advance Sculpture
- Visual Arts

# Bachelor of Architecture

Course Duration	5 Years
Semesters	10
Total Credit Hours	174

## Eligibility

1. Minimum 2nd Division in FA/FSc/DAE/A-Level/1. Com or Equivalent with Mathematics.
2. Quality Aptitude Test, Drawing Test & Interview.

### Semester 1

Design Studio - I	6
Architectural Graphics - I	4
Personality Development - I	2
Islamiyat & Pakistan Studies	2
Computer Skills - I	2
Functional English	2

### Semester 2

Design Studio - II	6
Architectural Graphics - II	4
Materials and Construction - I	2
History of Architecture - I	2
Climatology	2
Communication Skills	2

### Semester 3

Design Studio - III	8
History of Architecture - II	2
Materials and Construction - II	3
Computer Application - I	3
Structural System	2

### Semester 4

Design Studio - IV	8
Building Services - I	3
Architectural Working Drawings	2
Computer Application - II	3
Structure System - II	2

### Semester 5

Design Studio - V	8
Computer Application - III	3
Architectural Theories and Criticism	2
Landscape Design	2
Social Entrepreneurship	3

### Semester 6

Design Studio - VI	8
Physical Environmental Studies	2
Interior Design	3
History of Architecture - III	2
Archipreneurship	3

### Semester 7

Design Studio - VII	8
Urban Design - I	2
Biult Heritage and Conservation	3
Research Methodology & Report Writing	2
Architectural Presentation Techniques - I	3

### Semester 8

Design Studio - VIII	8
Urban Design - II	2
Building Services - II	3
Cost & Estimation	2
Sustainable Cities and Communities	3

### Semester 9

Thesis Design - I	8
Architectural Presentation Techniques-II	4
Project Management	3

### Semester 10

Thesis Design - II	12
Professional Practice	3

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# BS

## Fashion Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

45 % marks in Intermediate or equivalent.

#### Semester 1

Drawing - I	3
Design Studio - I	3
Introduction to Computer	3
English - I	3
Mathematics - I	3
Art History	3

#### Semester 3

Fashion Design Studio - I	3
Sewing and Stitching - I	3
Draping - I	3
Pattern - I	3
English - III	3
Pakistan Studies	2

#### Semester 5

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

#### Semester 7

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

#### Semester 2

Mathematics - II	3
English - II	3
Drawing - II	3
Design Studio - II	3
Introduction to Business	3
Islamic Studies	2

#### Semester 4

Fashion Design Studio - II	3
Sewing and Stitching - II	3
Draping - II	3
Pattern - II	3
Textile design - I	3
English - IV	3

#### Semester 6

Fashion Design Studio - IV	3
Digital Fashion - I	3
Textile Design - III	3
Color Theory & Application	3
Entrepreneurship	3

#### Semester 8

Final Year Project - II	3
Fashion Styling - II	3
Fashion Psychology	3
Product Development (Project Management)	3
Digital Marketing	3

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# BS

## Fashion Marketing and Merchandizing

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

45 % marks in Intermediate or equivalent.

### Semester 1

Basic Drawing - I	3
Design Studio - I	3
Introduction to Computer	3
English - I	3
Art History	3
Mathematics - I	3

### Semester 3

Introduction to Fashion Industry	3
Marketing	3
Fundamentals of Financial Accounting	3
English - III	3
Pakistan Studies	2
Fashion Forecast	3

### Semester 5

Design Development Process	3
Brand Management	3
Social Entrepreneurship	3
Manufacturer's Merchandising	3
Advance Digital Media Solutions	3

### Semester 7

Project Management	3
International Marketing	3
Logistics and Shipping	3
Consumer Behavior	3
Final Year Project - I	3

### Semester 2

Basic Drawing - II	3
Design Studio - II	3
Mathematics --II	3
Introduction to Business	3
Islamic Studies	2
English - II	3

### Semester 4

Organizational Behavior	3
Principles of Management	3
Cost Accounting	3
Retail Merchandising	3
English - IV	3
Digital Media Solutions	3

### Semester 6

Product Design Execution	3
Quality Management	3
Entrepreneurship	3
Buying and Budgeting for Fashion Industry	3
Supply Chain Management	3
Financial Management	3

### Semester 8

Sustainability in Local and Global Fashion	3
Sales and Leads	3
Art Direction and digital management	3
Apparel Production Process	3
Final Year Project - II	3
Digital Marketing & Freelancing	3

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# Bachelor of Interior Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

## Eligibility

45% in intermediate examination

### Semester 1

Design Studio - I	3
Drawing - I	3
Art History	3
Introduction to Computer	3
Functional English - I	3
Mathematics - I	3

### Semester 2

Design Studio - II	3
Drawing - II	3
Introduction to Business	3
Mathematics - II	3
Functional English - II	3
Islamic Studies	2

### Semester 3

Interior Design Studio - I	6
Computer Application - I	2
Interior Drawing and Composition - I	2
History of Interior	2
Functional English III	3
Pakistan Studies	2

### Semester 4

Interior Design Studio - II	6
Computer Application - II	2
Interior Drawing and Composition - II	2
Psychology of Interior	2
Materials of Interior	2
Technical Report Writing	3

### Semester 5

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

### Semester 6

Interior Design Studio - IV	3
Computer Application - IV	2
Understanding of Interior Lighting	2
Interiorpreneurship	3
Contemporary Design	2

### Semester 7

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

### Semester 8

Final Year Project - II	10
Interior Project Management	2
Presentation Practice	3

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# Bachelor

## of Textile Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

45% Marks in Intermediate or equivalent

#### Semester 1

Drawing I	3
Design Studio I	3
Introduction to Computer	3
English I	3
Art History	3
Mathematics I	3

#### Semester 3

Theme Research/ Story & Mood Board	3
Digital Textile Design I	3
Materials and Models	3
English III	3
Pakistan Studies	2
Design Chemistry	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 I	3
Textile Practice	3

#### Semester 7

Intro to Fashion Design/ Fashion Illustrations	3
Sales & Merchandising	3
Textile Crafts	3
Experimental Textiles (Product Life Cycle Management)	3
Final Year Project I	3

#### Semester 2

Drawing II	3
Design Studio II	3
Introduction to Business	3
English II	3
Islamic Studies	2
Mathematics II	3

#### Semester 4

Color Theory & Application	3
Off Loom Weaving	3
Digital Textile Design II	3
English IV	3
Marketing	3
Psychology	3

#### Semester 6

Woven Design II	3
Surface Design II	3
Techniques of Marbling, Batik, Tie & Dye, Shibori	3
Textile Sculpture/3D Textiles	3
Entrepreneurship	3

#### Semester 8

Design Seminar	3
Project Management	3
Textile Fibers	3
Digital Marketing	3
Final Year Project II	3

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# BS

## Fine Art

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

45% Marks in Intermediate or equivalent

#### Semester 1

Design Studio- I	3
Drawing - I	3
Introduction to Computer	3
English - I	3
Art History	3
Mathematics - I	3

#### Semester 3

Painting - I (Landscape & Still Life)	3
English - III	3
Pakistan Studies	2
Techniques of painting/Material & Process - I	3
Drawing - III	3
Graphic Arts	3

#### Semester 5

Sculpture	3
Painting - III (Composition)	3
Cultural Studies - I	3
History of Western Arts - I	3
Social Entrepreneurship	3
Miniature Painting	3

#### Semester 7

Calligraphy	3
Painting - VI (Composition)	3
Art Appreciation in Modern Arts - I	3
Socio Cultural Studies - I	3
Final Year Project - I	3

#### Semester 2

Design Studio - II	3
Drawing - II	3
Introduction to Business	3
English - II	3
Mathematics - II	3
Islamic Studies	2

#### Semester 4

Psychology	3
Painting - II (Figure in Content)	3
Miniature Tradition	3
Drawing - IV	3
Techniques of Painting/Material & Process - II	3
English - IV	3

#### Semester 6

Painting - IV (Landscape & Still Life)	3
Painting - V (Figure in the Context & Composition)	3
Cultural Studies - II	3
History of Western Arts - II	3
Entrepreneurship	3
Drawing - V	3

#### Semester 8

Research Methodology	3
Final Year Project - II	3
Art Appreciation in Modern Arts - II	3
Drawing - VII	3
Socio Cultural Studies - II	3

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# BS

## Product Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

45% marks in Intermediate or equivalent.

### Semester 1

Design Studio - I	3
Visual Communication - I	3
Introduction to Computer	3
English - I	3
Art History	3
Mathematics - I	3

### Semester 2

Design Studio - II	3
Visual Communication - II	3
Introduction to Business	3
English - II	3
Islamic Studies	2
Mathematics - II	3

### Semester 3

Product Design - I	3
Design Communication - I	3
Digital Applications - I	3
English - III	3
Design Chemistry	3
Pakistan Studies	2

### Semester 4

Psychology	3
Product Design - II	3
Design Communication - II	3
Digital Applications - II	3
Marketing & Merchandising	3
English - IV	3

### Semester 5

Product Design - III	3
3D Visualization - I	3
Social Entrepreneurship	3
Ergonomics	3
Material and Manufacturing Processes-I	3

### Semester 6

Entrepreneurship	3
3D Visualization - II	3
Photography	3
Product Design - IV	3
Material and Manufacturing Processes-II	3

### Semester 7

Mechanical Design Systems	3
Project Management	3
Sustainable Design	3
Professional Practice	3
Final Year Project - I	3

### Semester 8

Additive Manufacturing	3
Final Year Project - II	3
Digital Marketing	3
Universal Design	3
Costing & Budgeting	3

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# BS

## Graphic Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Minimum 45% in Intermediate or equivalent.

#### Semester 1

Drawing - I	3
Design Studio - I	3
Introduction to Computer	3
English - I	3
Art History	3
Mathematics - I	3

#### Semester 3

World of Photography	3
Fundamentals of Graphics	3
English - III	3
Design Chemistry	3
Typography & Calligraphy	3
Pakistan Studies	2

#### Semester 5

Design Research	3
Advanced Graphics	3
Concept & Layout	3
UI/UX	3
Branding	3
Social Entrepreneurship	3

#### Semester 7

Professional Practices in Visual Communication	3
Creativity & Innovative Designs	3
Motion Graphics	3
Project Management	3
Final Year Project - I	3

#### Semester 2

Drawing - II	3
Design Studio - II	3
Introduction to Business	3
English - II	3
Islamic Studies	2
Mathematics - II	3

#### Semester 4

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

#### Semester 6

Principle of Animation	3
Product & Packaging	3
Interactive Media Design	3
Entrepreneurship	3
Printing Technology	3

#### Semester 8

Design Seminar	3
Freelancing	3
Augmented Reality	3
Digital Marketing	3
Final Year Project - II	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

45% Marks in Intermediate or Equivalent.

### Semester 1

Drawing - I	3
Design Studio - I	3
Introduction to Computer	3
English - I	3
Art History	3
Mathematics - I	3

### Semester 2

Drawing - II	3
Design Studio - II	3
Introduction to Business	3
Mathematics - II	3
English - II	3
Islamic Studies	2

### Semester 3

Pakistan Studies	2
Fashion Design Studio - I	3
English - III	3
Family and Community Development	4
Human Resource Management	3
Theme Research (Story & Mood Board)	3

### Semester 4

English - IV	3
Psychology	3
Fundamentals of Economics	3
Marketing	3
Fashion Design Studio - II	3
World of Baking	3

### Semester 5

Specialization-I	3
Specialization-II	3
Specialization-III	3
Specialization-IV	3
Specialization-V	3

### Semester 6

Specialization-VI	3
Specialization-VII	3
Specialization-VIII	3
Specialization-IX	3
Specialization-X	3

### Semester 7

Specialization-XI	3
Specialization-XII	3
Specialization-XIII	3
Specialization-XIV	3
Specialization-XV	3

### Semester 8

Specialization-XVI	3
Specialization-XVII	3
Specialization-XVIII	3
Specialization-XIX	3
Specialization-XX	3

### Specialization:

#### Textile and Fashion

Textile Practice	3
Woven Design - I	3
Textile Printing Techniques (Screen Printing, Block Printing, Digital Printing)	3
History of Costume and Fashion	3
Mix Media Textile (Textile Embellishment & Hand Embroidery)	3
Digital Fashion - I	3
Woven Design - II (Advance Level)	3
Techniques of Marbling, Batik, Tie & Dye, Shibori	3
Textile Sculpture, 3D Textiles and Installation Art	3
Entrepreneurship	3
Fashion Styling - I	3
Experimental Textiles (Product Life Cycle Management)	3
Digital Fashion - II	3
Final Year Project - I	3
Couture Finishes	3
Final Year Project - II	3
Design Seminar	3
Product Development	3
Textile Fibers	3
Fashion Styling - II	3

### Specialization:

#### Interior Design

Interior Design Studio - I	3
Interior Digital Solutions - I	3
Fundamentals of Structure	3
Interior Landscape	3
Materials For Interior	3
Interior Design Studio - II	3
Interior Digital Solutions - II	3
Understanding of Interior Lighting	3
Color Theory & Application	3
Entrepreneurship	3
Final Year Project - I	3
Interior Digital Solutions - III	3
Sustainable Interior Design	3
Textile for Interior	3
Interior Furnishing & Furniture	3
Final Year Project - II	3
Interior Project Management	3
Model Making	3
Digital Marketing	3
Presentation Skills	3

### Specialization:

#### Fine Art

Painting - I (Composition)	3
Miniature Painting	3
Sculpture	3
Drawing - III	3
Cultural Studies - I	3
Painting - II (Landscape & Still Life)	3
Painting - III (Figure in the Context)	3
Drawing - IV	3
Cultural Studies - II	3
Entrepreneurship	3
Final Year Project - I	3
Painting - IV (Composition)	3
Art Appreciation in Modern Arts - I	3
Calligraphy	3
Socio Cultural Studies - I	3
Final Year Project - II	3
Drawing - V	3
Art Appreciation in Modern Arts - II	3
Socio Cultural Studies - II	3
Research Methodology	3

### Specialization:

#### Culinary Art

Financial Management	3
Art of Food Styling	3
Garde Manger	3
Beverages and Mixology	3
Food and Beverage Cost Control	3
Digital Marketing	3
Ethnic and International Cuisine	3
Food and Beverage Service	3
Menu Development and Profitability	3
Entrepreneurship	3
Final Year Project - I	3
Modernist Cooking and Ingredient Pairing	3
Banquet and Catering Management	3
Food Media	3
Corporate Entrepreneurship	3
Final Year Project - II	3
Project Management	3
Advanced Contemporary Desserts	3
Advanced Cakes and Sugar Artistry	3
Chocolate and Confectionary	3

### Specialization:

#### Human Development and Family Studies

Development from Prenatal to Infancy	3
Childhood Care and Development	3
Adolescent Development	3
Early Childhood and Guidance	3
Theories of Human Development	3
Communication in Human and Family Relations	3
Human Psychology	3
Counselling and Guidance (Human and Family Ecology)	3
Family Dynamics (Exceptional Child)	3
Entrepreneurship	3
Understanding Human Disabilities and Special Needs	3
Educational Psychology & Measurement Technique	3
Planning and Managing Human Services Program	3
Day Care Management and Administration	3
Final Year Project - I	3
Final Year Project - II	3
Health, Safety & Nutrition for Family	3
Family Protection & Welfare Policies in Pakistan	3
Family Relationship Development	3
Characteristics of Dysfunctional Family System	3

# Bachelor

## of Landscape Design

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

45% Marks in Intermediate or Equivalent.

#### Semester 1

Design Studio - I	6
Architectural Graphics - I	4
Personality Development - I (Sociology)	2
Islamiyat & Pakistan Studies	2
Computer Skills - I	2
English - I	2

#### Semester 2

Design Studio - II	6
Architectural Graphics - II	4
Materials & Construction	2
Climatology	2
History of Landscape Design: History - I	2
English - II	2

#### Semester 3

Landscape Design Studio - I	6
Personality Development - II (Psychology)	3
Landscape Theory - I	2
Computer Applications in Landscape Architecture - I	2
Plant Ecology and Design - I	2

#### Semester 4

Landscape Design Studio - II	6
Landscape Theory - II	2
Landscape Materials & Construction - I	3
Computer Applications in Landscape Architecture - II	2
Modern Landscape: History - II	2
Elective - I	3

#### Semester 5

Landscape Design Studio - III	6
Landscape Materials & Construction - II	2
GIS for Landscape Architects - I	3
Housing Landscape Design	2
Plant Ecology and Design - II	2
Social Entrepreneurship	3

#### Semester 6

Landscape Design Studio - IV	8
Report Writing & Presentation Skills	2
GIS for Landscape Architects - II	2
Evolving Issues for Environmental Design	2
Entrepreneurship	3

#### Semester 7

Landscape Design Studio - V	8
Restoration Ecology	2
Internship in Landscape Architecture	2
Elective - III	3

#### Semester 8

Final Year Thesis	12
Professional Practice in Landscape Architecture	3

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# Bachelor

## of Building Design and Construction

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

45% Marks in Intermediate or Equivalent.

### Semester 1

Design Studio - I (Basic Design)	6
Mathematics, Geometry & Drafting	3
Personality Development - I (Sociology)	2
Islamiyat & Pakistan Studies	2
Computer Skills - I	2
English - I	3

### Semester 2

Design Studio - II (Building Design)	6
Architectural Graphics	4
Building Materials & Construction - I	2
Climatology	2
Introduction to Business	2
English - II	2

### Semester 3

Design Studio - III (Building Design)	6
Surveying & Levelling - I	3
Working Drawing - I	2
Building Materials & Construction - II	3
Building Economics	2
Computer Applications - I	2

### Semester 4

Design Studio - IV (Building Design)	6
Building Services - I	3
Working Drawings - II	2
Structural System - I	2
Surveying & Levelling - II	2
Elective - I	3

### Semester 5

Engineering Law, Contract & Contract Administration	2
Structural System - II	3
Computer Applications - III	3
Building Codes & Bylaws	2
Social Entrepreneurship	3
Disaster Management	3

### Semester 6

Entrepreneurship	3
Evolving Issues for Environmental Design	3
Quantity Surveying - I	4
Report Writing & Presentation Skills	2
Risk Management (Software Based)	3

### Semester 7

Geo-Technical Engineering	3
Quantity Surveying - II	2
Professional Practice	3
Construction Management & Project Scheduling (Software Based)	4
Strength of Materials	3

### Semester 8

Final Project	9
Building Life Cycle Management	3
Production Management	3

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# FACULTY OF ARTS AND HUMANITIES



## Dean's Message

You have an opportunity to preserve your identity, vibrant past, and values that played a decisive role in shaping up the contemporary world. We will empower you to perform this role through our diverse curriculum, research-focused programs, and student success orientation.

Our faculty members take pride in honing the research skills, aesthetic values, and social sensibilities of our students. We equip them to thrive in an increasingly interconnected and changing world through teamwork, agility, and innovation. Our students believe in making a difference through research excellence that is rooted in an appreciation of diversity, unbiased analysis, and creative originality. You are welcome to join our superior community and play your part in making this world a beautiful, nurturing, equitable, peaceful, and sustainable place.

Dr. Muhammad Sarwar

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

Dr. Ismat Bano  
 Dr. Sana Javaid  
 Dr. Aneela Aslam  
 Dr. Naila Shakeel  
 Dr. Iqbal Hussain Asad  
 Dr. Muhammad Ahmed Shah  
 Dr. Arooj Zahra Rizvi  
 Dr. Amaria Atta  
 Mr. Qaisar Iqbal  
 Mr. Muhammad Wasif  
 Ms. Mahnoor Shahid Mufti  
 Mr. Kashif Raza  
 Ms. Momina Hafeez  
 Ms. Farhana Akmal  
 Ms. Somia Tariq  
 Ms. Warda Ijaz  
 Ms Asma Saeed  
 Ms. Umme Farwa  
 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. Muhammad Ali  
 Ms. Ghazia Khoula Qureshi  
 Mr. Junaid Arshad

# Ph.D

## Education

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### Eligibility

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

### Semester 1

Philosophical Paradym of Education	3
Quantitative Research Methods	3
Doing Qualitative Research	3

### Semester 2

Instrument Development and Data Analysis	3
Contemporary Trends in Education	3
Mixed Methods Research Report Writing	3

### Semester 3, 4, 5 & 6

Doctoral Thesis/ Dissertation	30
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# M.Phil

## Education

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Masters degree in Education or equivalent (16 years of education; 130 credit hours)  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Research Method of Education	3
Trends and Issues in Education	3
Techniques of Educational Assessment	3
Communication and Academic Writing	3

### Semester 2

Data Analysis and Computer Application	3
Education Leadership and Management	3
Curriculum Development and Organization	3
Quality Assurance in Education	3

### Semester 3 & 4

Dissertation	6
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# M.Phil

## Library & Information Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Masters degree in Library and Information Management or equivalent (16 years of education; 130 credit hours).  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Qualitative Research Methods	3
Seminar in Library & Information Sciences	3
Marketing of Library and Information Services	3
Computer Applications in Library & Information Sciences	3

### Semester 2

Theoretical Foundation of Library Sciences	3
Theoretical Foundation of Information Sciences	3
Development of Library & Information Sciences in Pakistan	3
Quantitative Research Methods	3

### Semester 3 & 4

Dissertation	6
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# M.Phil

## Education, Leadership & Management

Course Duration	2 Years
Semesters	4
Total Credit Hours	48

### Eligibility

Masters degree in education or equivalent (16 years of education; 130 credit hours).  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Quantitative Research Methods	3
Policy Analysis	3
Leadership Theories/ Organizational Behavior & Change Management	3
Leadership Skills and Management	3

### Semester 2

Qualitative Research Methods	3
Finance & Resource Management	3
Quality Assurance Management	3
Report Writing	3

### Semester 3 & 4

Dissertation	6
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### Semester Zero

Methods of Teaching	3
Philosophy of Education	3
Psychology of Education	3
Curriculum Development	3
Testing Measurement & Evaluation	3
Education Management & Supervision	3

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# MS

## Urdu

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Assol e Tahqeeq aur Riwayat	3
Tanqeed aur is K Mubahis	3
Lissaniyat	3
Aham Adabi Rujhanat	3

### Semester 2

Assol e Tadveen aur Riwayat	3
Aamli tanqeed	3
Tarjuma Assol aur Riwayat	3
Udr mai Mutalia Iqbal K rewayat	3

### Semester 3 & 4

Thesis/ Research Dissertation	6
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# MS

## English ( Language & Literature)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Research Methods in Linguistics	3
Linguistic Theories	3
Elective -1	3
Elective -1I	3

### Semester 2

Applied Grammar & Syntax	3
Translation Studies	3
Elective -1II	3
Elective -1V	3

### Semester 3 & 4

Thesis/ Research Dissertation	6
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### Elective Subjects

Discourse studies
Multilingualism
Sociolinguistics
Corpus linguistics
Semantics



# MS

## Islamic Studies

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

Minimum qualification: BS/16 years or 04 years Bachelor degree in the relevant field.  
Quality GAT General (NTS) with 50 % or GAT Subject (University) with 60%.

### Semester 1

Quran and Uloom ul Quran	3
Research Methodology I	3
Comparative study of Religions and Interfaith Tolerance	3

### Semester 2

Selective Studies from English Sources	3
Hadith and Seerah Studies	3
Research Methodology II	3

### Semester 3

Fiqh and Uloom ul Fiqh	3
Islam and Contemporary Issues	3
Thesis (Urdu/English/Arabic)	3

### Semester 4

Thesis (Urdu/English/Arabic)	3
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# BS

## English (Language and Literature)

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or equivalent

### Semester 1

Introduction to English Literature I (Poetry and drama)	3
Islamic Studies	2
Introduction to Computer	3
Introduction to Linguistics	3
English I	3
Management	3

### Semester 2

English II (Academic Reading & Writing)	3
Human Rights	3
Phonetics and Phonology	3
Pakistan Studies	2
History of English Literature-I	3
Classical Drama	3

### Semester 3

English III (Communication Skills)	3
Arabic	3
Introduction to Digital Media	3
Bilingualism	3
Introduction to English Literature II (Short Story, Novel and Prose)	3

### Semester 4

Advanced Academic Reading and Writing	3
Marketing	3
Poetry (14th to 19th Century)	3
Semantics	3
Morphology & Syntax I	3

### Semester 5

International Relations	3
Active Citizen Program	3
Modern Drama	3
Visionary Discourse	3
American Literature	3

### Semester 6

Entrepreneurship	3
Pedagogical Grammar	3
Novel (18th and 19th Century)	3
Computer Assisted Language Learning (CALL)	3
English For Specific Purposes (ESP)	3
Pakistani Literature in English	3

### Semester 7

Translation Studies	3
Syllabus Designing	3
Literary Criticism	3
Research Methods	3
Psycholinguistics	3
Final Year Project I	3

### Semester 8

Stylistics	3
Language Teaching Methods	3
Second Language Acquisition	3
Sociolinguistics	3
Final Year Project II	3

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Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

Intermediate or Equivalent

#### Semester 1

Leadership in Education	3
Child Development	3
English for life	3
Teaching as Profession	3
Methods of Teaching	3

#### Semester 2

Philosophy of Education	3
Social Foundations of Education	3
Introduction to Curriculum	3
Action Research in Teaching	3
Assessment and Evaluation	3

#### Semester 3

Islamic Studies	3
Pakistan Studies	3
Creative and Persuasive Writing	3
Guidance at School level	3
Economic Foundations of Education	3
Computer Application in Education	3

#### Semester 4

Early Childhood Education	3
Communication Skills and Personality Development	3
English for Academic Purposes	3
Content and Teaching of Mathematics	3
Content and Teaching of English	3

#### Semester 5

Teaching at Early Childhood Level	3
Classroom Management	3
Information and Communication Technology	3
Content and Teaching of General Science	3
Management of Online Teaching Software	3
Educational Entrepreneurship	3

#### Semester 6

Counselling at School Level	3
Educational Law	3
Critical Thinking and Reflective Practices	3
School Leadership	3
E-Marketing in Education Sector	3

#### Semester 7

Human Resource Management in Education	3
Teaching Practice-I	6
Discourse Analysis	3
Syntax and Morphology	3
Phonetics and Phonology	3

#### Semester 8

Institutional Improvement	3
Teaching Practice-II	6
Statistics in Education	3
Educational Organisational Behaviour	3
Economics and Financing of Education	3





# FACULTY OF ENGINEERING AND TECHNOLOGY



## Dean's Message

I am pleased to welcome you to the highly esteemed Faculty of Engineering and Technology (FET) with an invitation to embark on an exciting journey with us. FET is renowned for its six dynamic departments, which offer degree programs, duly accredited by prestigious bodies of Pakistan Engineering Council and National Technology Council.

At FET, we take great pride in providing our students with an education that is rooted in practical applications and connected with related industries. Our curriculum is designed to equip our students with the skills and knowledge to enter a rapidly evolving world. This mission-driven faculty is always eager in its capacity to solve critical problems and challenges of our time. Also, we are continually expanding our academic portfolio to meet the growing demand for multidisciplinary, flexible and global education.

I am confident that our innovative academic programs will greatly impact the future of our prospective students. As we embark on this journey together, we will keep you updated on our progress towards achieving our ambitious goals.

Once again, I extend a heartfelt welcome to the finest Faculty of our University.

Prof. Dr. M. Zafrullah

- Ph.D in Electrical Engineering
- MS Electrical Engineering
- MS Mechanical Engineering
- MS Civil Engineering
- B.Sc Electrical Engineering
- B.Sc Information Engineering Technology
- B.Sc Aviation Engineering Technology
- B.Sc Aircraft Maintenance and Management
- BS Avionics Engineering
- B.Sc Civil Engineering
- B.Sc Mechanical Engineering
- B.Sc Biomedical Engineering Technology
- B.Sc Civil Engineering Technology
- B.Sc Electrical Engineering Technology
- B.Sc Mechanical Engineering Technology

Prof. Dr. Muhammad Zafrullah  
 Prof. Dr. Khalid Mahmood ul Hassan  
 Prof. Dr. Tahir Izhar  
 Dr. Mustafa Shakir  
 Dr. Muhammad Rehan Usman  
 Dr. Adnan Yousaf  
 Dr. Saif Ur Rehman  
 Dr. Waheed Aftab Khan  
 Dr. Manzoor Ellahi  
 Dr. Mohsin Khalil  
 Dr. Usman Haider  
 Dr. Imran Ghafoor  
 Dr. Shahid Naveed  
 Dr. Waheed Asghar  
 Dr. Muhammad Taimoor  
 Mr. Ilyas Mahmood Ahmad Qureshi  
 Mr. Sohaib Aslam  
 Mr. Hafiz Fuad Usman  
 Mufaaza Tahir Raja  
 Mr. Muhammad Mubashir Farid  
 Ms. Samia Sadaf  
 Mr. Muhammad Ali Ijaz Malik  
 Mr. Arsalan Fazil  
 Mr. Muhammad Moghees Ud Din  
 Mr. Azher Mehmood  
 Mr. Muhammad Irfan  
 Mr. Rooman Haseeb

Mr. Air Cdr(r) Wajih Humayun Hashmi  
 Mr. Hamza Ahmed Malik  
 Mr. Muhammad Sumaid Chatha  
 Mr. Ahmad Javaid  
 Mr. Haseeb Ahmad  
 Mr. Muhammad Sohaib Roomi  
 Mr. Muhammad Waqar Hassan  
 Mr. Umaiz Sadiq  
 Ms. Javeria Khizzar  
 Mr. Shayan Sohail  
 Mr. Muhammad Asad Ejaz  
 Mr. Muhammad Uzair Shah  
 Mr. Arslan Ali  
 Mr. Muhammad Zahid Ullah  
 Rabia Noor  
 Mr. Muhammad Usman.  
 Fatima Zafar  
 Tayyaba Shahwar  
 Mr. Nauman Latif  
 Ms. Mahnoor Malik Goraya  
 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 Ibrar  
 Mr. Adnan Ali  
 Ms. Maryum Zulfiqar  
 Mr. Muhammad Uzair Shah  
 Mr. Sajawal Khan  
 Mr. Shayan Sohail  
 Mr. Arslan Ali  
 Ms. Shaheena Iram  
 Ms. Misbah  
 Ms. Munaza Rao

# Ph.D

## in Electrical Engineering

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### Eligibility

MS Electrical Engineering/Computer Engineering / telecom engineering/electronics or Equivalent with min CGPA 3.0 Qualify GAT Subject (NTS) with 60% or GAT Subject (University) with 70%.

### Semester 1

Advanced Renewable Energy Systems	3
AI, Machine Learning and Applications	3
Advanced Communication Systems and Networks	3

### Semester 2

Digital System Design and Embedded Systems	3
Elective II	3
Elective I	3

### Semester 3,4,5,6

Research Work and Thesis Writing	30
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# MS

## Electrical Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

16 Years of Education, BS in Electrical Engineering or relevant discipline from HEC / PEC recognized university. Qualify GAT General (NTS) with 50% or GAT General (University) with 60%.

### Semester 1

Advanced Renewable Energy Systems	3
Research Methods	3
Advanced Communication Systems and Networks	3

### Semester 2

Digital System Design and Embedded Systems	3
AI, Machine Learning and Applications	3
Elective I	3

### Semester 3

Elective II	3
Thesis I	3

### Semester 4

Elective III	3
Thesis II	3

### List of Electives

Project Feasibility Study  
Advanced Power Electronics  
Power System Quality, Reliability and Planning  
Power Circuit Breaker and Substation  
Non-Conventional Energy Systems  
AC/DC Drives  
Advanced Topics in Renewable Energy  
Advanced Topics in Power System Engineering  
Advanced topics in Optimization and Economics of Integrated Power System  
Smart Grid Systems Operation  
Power Distribution and Utilization  
Alternative Energy Resources  
Advanced High Voltage Engineering  
Advanced Power System Protection  
Advanced Wireless Communications  
Advanced Information theory and coding  
Emerging Wireless Network  
Advanced Topics in Telecommunications  
Wireless Sensor Networks

Advanced Digital Signal Processing  
Advanced Topics in Mobile and Wireless Communication  
Advanced Digital Communication Systems  
Performance evaluation of Computer Networks  
Digital Image Processing  
Advanced Topics in Image Processing  
Advanced Control Systems and Design  
High voltage DC Transmission System  
Semiconductor Devices and Nanotechnology  
MEMS (Microelectromechanical Systems) Design and Micromachining  
VLSI Design  
Communication Networks and Cyber Security  
Applied Cryptography  
Introduction to Robotics  
Generative Artificial Intelligence (AI)  
Advance Topics in Health Care Systems and Biomedical Technology

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# MS

## Mechanical Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

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

### Semester 1

Core-I	3
Elective-I	3
Elective-II	3

### Semester 2

Core-II	3
Elective-III	3
Elective-IV	3

### Semester 3

Core-III	3
Thesis-I	3

### Semester 4

Elective-V	3
Thesis-II	3

### List of Core Courses

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

### List of Electives

Advanced Manufacturing Processes  
Computer Integrated Manufacturing  
Laser Materials Processing  
Precision Manufacturing Systems  
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 Management  
Finite Element Methods in Manufacturing Processes  
Product Design Fundamentals  
Rapid Prototyping  
Tribology  
Production & Operations Management  
Applied Computational Fluid Dynamics  
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  
Energy Management  
Boundary layer Theory  
Hydrodynamic Stability  
Two Phase Flow  
Turbulence  
Thermal Emission and Control  
Advanced Power Plant System  
Applied Solar Energy  
Renewable and Sustainable Energy Systems  
Robotics  
Automation and Control  
Advanced Control Systems  
Rotor-dynamics  
Non-linear Dynamics and Chaos  
Fatigue in Metals and Composites  
Mechanical Behavior of Materials  
Advanced Engineering Materials  
Fracture Mechanics  
Theory of Elasticity  
Theory of Plasticity  
Theory of Plates and Shells  
Finite Element Method  
Advanced Numerical Analysis  
Flow Induced Vibration  
Mathematical Modeling and Simulation  
Non-destructive Evolution of Structures and Materials  
Smart Structures  
Theory of Aeroelasticity  
Advanced Stress Analysis  
Advanced Solid Mechanics  
Condition Monitoring of Rotating Machines  
MEMS and micromachining  
Design Optimization and Analysis Techniques  
Mechanics of Composite Materials  
Advanced Mechanics of Materials  
Advanced Mechanical Vibrations

# MS

## Civil Engineering

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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	3

### Semester 2

Core-III	3
Core-IV	3
Elective-II	3

### Semester 3

Elective-III	3
Research Thesis-I	3

### Semester 4

Elective-IV	3
Thesis-II	3

### List of Core

Advanced Reinforced Concrete  
Advanced Soil Mechanics  
Hydraulic Structures  
Environmental Health and Safety

### List of Electives

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

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# B.Sc

## Electrical Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

### Eligibility

FSc pre-engineering/DAE or Equivalent with 60% Marks + Entry Test

### Semester 1

Linear Circuit Analysis	4
Workshop Practice	1
Applied Physics	4
Computing Fundamentals	4
Applied Calculus	3

### Semester 2

Electrical Network Analysis	4
Differential Equations	2
Object Oriented Program	3
Digital Logic Design	4
Engineering Drawing & Graphics	2
Islamic Studies/Ethics	2

### Semester 3

Electronic Devices & Circuits	4
IDEE-1	3
Power Engineering Fundamentals	3
Computer Organization	3
Linear Algebra	2
Functional English	2

### Semester 4

Instrumentation & Measurements	4
Electrical Machines	4
Complex Analysis & Transform	3
Probability & Statistics for Engineers	3
Pakistan Studies	2

### Semester 5

Electromagnetic Field	3
Microprocessor & Microcontroller Based Systems	4
IDEE-2	3
Signals & Systems	4
Communication Skills	2
Numerical Analysis	2

### Semester 6

Linear Control Systems	4
Communication Systems	4
Elective-I	4
Technical Writing	3
Engineering Entrepreneurship	3

### Semester 7

Senior Design Project - I	2
Signal Processing	4
Engineering Project Management	3
Elective-II	4
Elective-III	3

### Semester 8

Senior Design Project - II	4
Engineering Economics	3
Social Entrepreneurship	3
Elective-IV	4
Elective-V	3

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# B.Sc

## Information Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

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

### Semester 1

Islamic Studies / Ethics	2
English Composition and Comprehension	2
Calculus	3
Applied Physics	3
Introduction to Computing	3
Programming Fundamentals	4

### Semester 2

Pakistan Studies	2
Basic Electronics	3
Discrete Structures	2
Introduction to Python Programming	3
Object Oriented Programming	4
Communication & Presentation Skills	3

### Semester 3

Linear Algebra	2
Digital Logic Design	4
Data Structures and Algorithms	4
Probability and Statistics	3
Database Systems	4

### Semester 4

Web Engineering 1	3
Software Engineering	3
Numerical Analysis and Computing	3
Microprocessor and Microcontroller based systems	4
Technical Report Writing	2
Operating System	2

### Semester 5

Artificial Intelligence	3
Data Communication & Computer Networks	3
Web Engineering 2	3
Cloud Computing	2
Senior Design Project I	2
IET Project Management	3

### Semester 6

Mobile Application Development	3
Computer Vision	3
Network and System Administration	2
Cyber Security	2
Senior Design Project II	4
Entrepreneurship	2

### Semester 7

Supervised Industrial Training - I	16
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### Semester 8

Supervised Industrial Training - II	16
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# BS

## Aviation Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

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

### Semester 1

Mathematics	3
Aviation Physics	3
Basic Aerodynamics	3
Introduction to Aviation	1
Electrical Terminologies and Functions	2
Electrical Fundamentals	4

### Semester 2

Communication Skills and ICAO English	2
Aviation Legislation	3
Electronics Fundamentals	3
Aircraft Materials	4
Aircraft Hardware & Workshop Practices	4

### Semester 3

Aircraft Maintenance Practices	4
Aircraft Weight & Balance	1
Electrical Wiring and Interconnection system (EWIS)	3
Technical Drawing & CAD	1
Human Factors in Aviation	3
Human Performance and Limitations	2
Digital Electronics & Instrument Systems	4

### Semester 4

Airframe Structures	3
Flight Control systems	3
Airframe Fuel Auxiliary Systems	3
Landing Gear Systems	2
Avionics Systems	2
Hydraulic & Pneumatic Systems	2
Airframe Assembly & Inspection	2

### Semester 5

Power Plant Fuel and Auxiliary Systems	3
Gas Turbine Engines	3
Engine Monitoring Systems	3
Power Plant Lubrication Systems	1
Propeller Systems	3
SS Elective-I (English Grammar and Composition)	2
Introduction to Computing in Aviation	2

### Semester 6

Technical Elective-I	2
Management Elective-I	2
Engineering Ethics	2
Computer Programming	2
Active Citizenship Program	3
Entrepreneurship in Aviation	3
FYDP-I	3

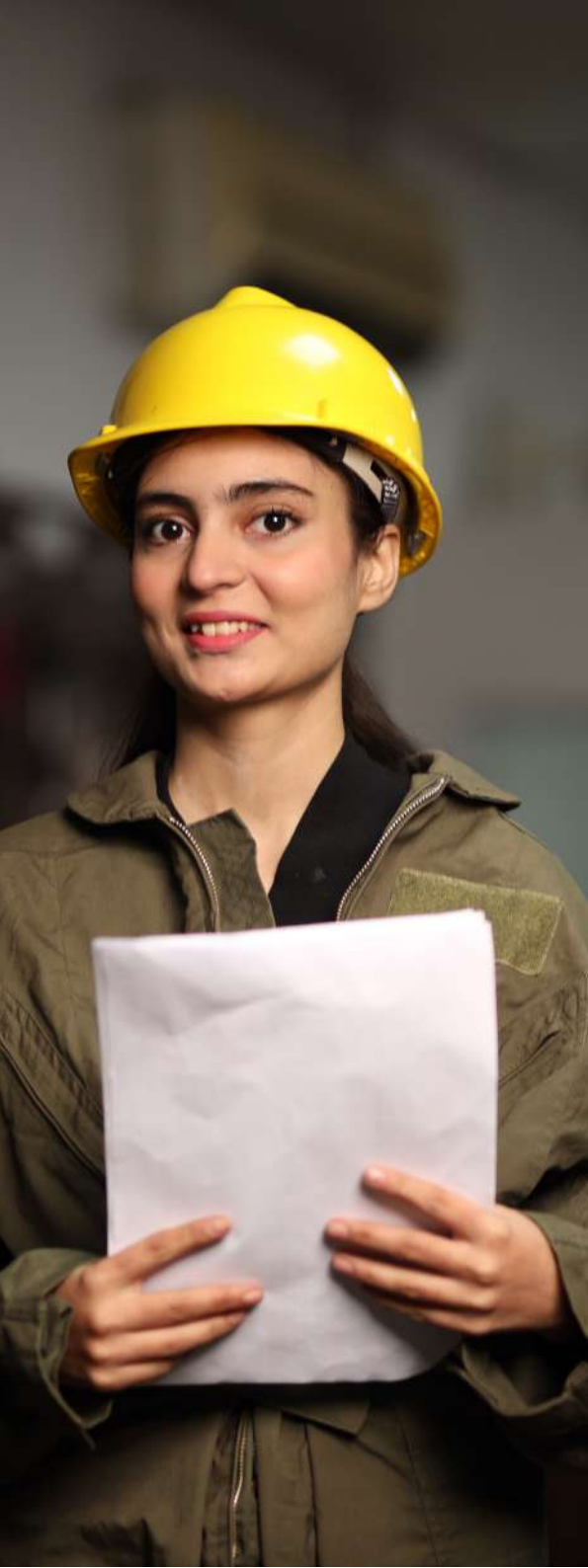
### Semester 7

Management Elective-II	3
CS Elective-I	2
NS Elective-I	2
Islamic Studies	2
Holy Quran	0
Pak Studies	2
Technical Report Writing	2
FYDP-II	3

### Semester 8

Supervised Industrial Training (SIT)	16
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# B.Sc

## Aircraft Maintenance and Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

40% Marks in Intermediate/DAE/A-Levels or equivalent + Entry Test

### Semester 1

Calculus	3
Maintenance Physics	3
Basic Aerodynamics	3
Introduction to Aviation	1
Electrical Terminologies and Functions	2
Electrical Fundamentals	4

### Semester 2

Business Communication in Aviation	2
Aviation Law	3
Electronics Fundamentals	3
Aircraft Materials	4
Aircraft Hardware & Workshop Practices	4

### Semester 3

Aircraft Maintenance Practices	4
Aircraft Weight & Balance	1
Electrical Wiring and Interconnection system (EWIS)	3
CAD for Maintenance	1
Ergonomics in Aviation	3
Human Performance and Limitations	2
Digital Electronics	4

### Semester 4

Aerodynamics, Structures And Systems	2
Hydraulic & Pneumatic System	2
Piston Engine	3
Engine Lubrication Systems	1
Engine Electrical Systems	3
Propeller Systems	4

### Semester 5

Management Elective-I	2
Functional English	2
HU Elective-I	3
Pak Studies	3
Management Elective-III	3
Management Elective-IV	3
Computer Application and Programming	2

### Semester 6

Aircraft Maintenance-I	2
Management Elective-V	2
Professional Ethics	2
CS Elective - I	2
Active Citizenship Program	3
Entrepreneurship	3
FYDP-I	3

### Semester 7

Project Management	3
CS ELECTIVE - II	2
Maths Elective-I	2
Islamic Studies	3
Holy Quran	0
Report Writing	2
FYDP-II	3

### Semester 8

Maintenance Operations	3
Aircraft Maintenance Inspection	3
Aircraft Maintenance Troubleshooting	3
Maintenance Management	3
Aircraft Maintenance and Training	3

# BS

## Avionics Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

60% Marks in FSc. Pre-Engineering/ICS/A-Levels (Cambridge Students) having IBCC Equivalence Certificate /DAE\*(as per PEC policy) + Entry Test

### Semester 1

Linear Circuit Analysis	4
Applied Chemistry	2
Applied Physics	3
Computing Fundamentals	4
Introduction to Aerospace Engineering	2
Applied Calculus	3

### Semester 2

Electrical Network Analysis	4
Differential Equations	3
Object Oriented Programming	3
Digital Logic Design	4
Workshop Practice	1
Engineering Drawing & Graphics (Lab)	1

### Semester 3

Electronic Devices & Circuits	4
Linear Algebra	3
Probability & Statistics for Engineers	3
Complex Analysis & Transforms	2
Data Structures & Algorithms	3
IDEE-I (Elective)	3

### Semester 4

Instrumentation & Measurements	3
Electromechanical Systems	3
Signals & Systems	4
Functional English	2
Electronics Circuits Design	4
Electromagnetic Field Theory	2

### Semester 5

Antenna & Wave Propagation	4
Communication Skills	2
IDEE-II (Thermodynamics of Propulsion)	3
Holy Quran (Translation, Tajweed & Tafseer)	0
Islamic Studies/Ethics	2
Aircraft Performance & Stability	3
Analogue and Digital Communications	4

### Semester 6

Fundamentals of Avionics Engineering	2
Artificial Intelligence	3
Technical Writing	2
MS Elective-I (Engineering Entrepreneurship)	2
Analysis and Design of Control Systems	4
Pakistan Studies	2
Engg. Elective(Embedded Systems)	3

### Semester 7

Senior Design Project-I	3
Project Management	2
Elective-I (Modern Control Systems)	3
Elective-II (Data Communication & Networks)	3
Elective-III (Radar Systems)	4
MS Elective-II	2

### Semester 8

Senior Design Project-II	3
MS Elective-III (Safety & Quality Management System)	2
SS Elective-II	2
Elective-IV	4
SS Elective-II (Active Citizenship Program)	2

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# BS

## Civil Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	138

### Eligibility

FSc pre-engineering/DAE or Equivalent with 60% Marks + Entry Test

#### Semester 1

Applied Physics	3
Fundamentals of Electro-Mechanical Engineering	4
Computing Fundamentals	4
Applied Calculus/ Math-I	3
Islamic Studies	2

#### Semester 2

Engineering Surveying -I	4
Pakistan Studies	2
Differential Equations / Math-II	3
Engineering Mechanics	3
Engineering Drawing	2
Construction Materials	3

#### Semester 3

Computer aided Civil Engineering Design & Graphics	2
Advanced Engineering Surveying-II	3
Mechanics of Solids-1	3
Fluid Mechanics-I	3
Numerical Analysis / Math-III	3
Communication Skills	2

#### Semester 4

Applied Hydrology	4
Quantity Surveying & Estimation	2
Mechanics of Solids-II	3
Applied Geology	3
Fluid Mechanics-II	4
Geotechnical Engineering-1	3

#### Semester 5

Groundwater	4
Geotechnical Engineering-II	3
Technical Report Writing & Presentation Skills	2
Plain and Reinforced Concrete-I	4
Probability & Statistics for Engineers/ Math IV	3
Structural Analysis-I	3

#### Semester 6

Structural Analysis-II	3
Engineering Economics	2
Transportation Engineering	3
Hydraulic Engineering	3
Plain and Reinforced Concrete-II	4
Social Entrepreneurship	2

#### Semester 7

Steel Structures	3
Environmental Engineering	4
Project Management	2
Civil Engineering Project (FYP)	3
GIS and Remote Sensing	3
Structural Dynamics	3

#### Semester 8

Disaster Management	2
Professional Ethics and Laws	2
Design of Structures	4
Irrigation Engineering	4
Civil Engineering Project (FYP)	3
Occupational health and safety	1

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# BS

## Mechanical Engineering

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

FSc pre-engineering/DAE or Equivalent with 60% Marks + Entry Test

### Semester 1

Applied Calculus	3
Applied Physics	3
Islamic Studies or Ethics	2
Basic Electrical Engineering	3
Workshop Practice	2
Computing Fundamentals	3

### Semester 2

Engineering Mechanics-I	3
Differential Equations	3
Applied Chemistry	2
Engineering Materials	3
Engineering Drawing and Graphics	2
Thermodynamics-I	3
Functional English	2

### Semester 3

Electronics Engineering	3
Linear Algebra	2
Pakistan Studies	2
Engineering Mechanics-II	4
Thermodynamics-II	4
Communication Skills	2

### Semester 4

Complex Variables & Transforms	2
Mechanics of Materials-I	3
Manufacturing Processes	4
Fluid Mechanics-I	3
Technical Writing & Presentation Skills	2
Machine Design-I	2
Computer Aided Drawing	1

### Semester 5

Numerical Analysis	3
Mechanics of Materials-II	4
Fluid Mechanics-II	4
Instrumentation and Control	3
Precision Engineering and Metrology	3

### Semester 6

Probability & Statistics for Engineers	2
Machine Design-II	3
Entrepreneurship	2
Mechanics of Machines	4
Heat & Mass Transfer	3
Professional Ethics and Values	1
Technical Elective-I	2

### Semester 7

Design Project-I	3
Refrigeration and Air Conditioning	4
Internal Combustion Engines	3
Engineering Economics	2
Introduction to Finite Element Methods	3
Technical Elective-II	2

### Semester 8

Design Project-II	3
Power Plants	4
Engineering Project Management	2
Mechanical Vibration	4
Health, Safety & Environment Management	2
Technical Elective-III	2

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# B.Sc

## Biomedical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

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

### Semester 1

Applied Physics	4
Basic Biology (for Pre-Engineering Students)/ Basic Mathematics (for Pre-Medical Students)	3
Communication skills	3
Information & Communication technology	3
Islamic Studies / Social Ethics	2
Workshop Practice	1
Technical Drawing	1

### Semester 2

Basic Electrical Technology	3
Calculus and Analytical Geometry	3
Computer Programming	3
Management Sciences Elective I	3
Human Anatomy & Physiology	4
Social Sciences Elective I	2

### Semester 3

Bio Chemistry-I	3
Digital Logic Design	3
Electrical Circuit Analysis	3
Linear Algebra & Differential Equation	3
Social Sciences Elective II	3

### Semester 4

Bio-Mechanics	3
Signals and Systems	3
Molecular Biology	3
Microprocessors and Microcontrollers	3
Electronic Devices and Circuits	3
Management Science Elective II	2

### Semester 5

Biomaterials	3
Biomedical Control Systems	3
Biomedical Instrumentation	4
Pakistan Studies	2
Technical Report Writing	2
Project-I	3

### Semester 6

Clinical Laboratory Equipment	3
Probability and Statistics	2
Medical Imaging Devices	3
IDTE-I	3
IDTE-II	3
Project-II	3

### Semester 7

SIT	16
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### Semester 8

SIT	16
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# B.Sc

## Civil Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

### Eligibility

F.Sc pre Engineering / DAE / Intermediate (Maths, Physics)

### Semester 1

Islamic Studies/ Professional Ethics	2
Applied Mathematics-I	3
Surveying	4
Occupational Health & Safety Management	2
Civil Engineering Drawing	3
Introductions to Computer Fundamentals	3

### Semester 2

Concrete Technology	4
Communication Skills	3
Applied Mechanics	4
Materials and Methods of Construction	4
Applied Mathematics-II	3

### Semester 3

Introduction to Architecture and Town Planning	2
Pakistan Studies	2
Quantity Surveying and Contract Documents	3
Soil Mechanics	3
Fluid Mechanics	3
Mechanics of Solids	4

### Semester 4

Transportation Engineering	4
Water Supply & Waste Water Management	4
Environmental Management	3
Theory of Structures	3
Technical Report Writing	3

### Semester 5

Hydrology	3
Reinforced Concrete Structures	3
Construction and Hydraulic Machinery	3
Computer Aided Building Modeling and Design	3
Foundations Engineering	3
Project Management	3
Project	3

### Semester 6

Pre-stressed & Precast concrete	3
Geology & Earthquake Engineering	3
Irrigation and Hydraulic Structures	3
Steel Structures	3
Project (Continue)	3

### Semester 7

16 Weeks Supervised Industrial / Field Training	16
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### Semester 8

16 Weeks Supervised Industrial / Field Training	16
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# B.Sc

## Electrical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	129

### Eligibility

F.Sc pre Engineering / DAE / Intermediate (Maths, Physics)

### Semester 1

Islamic Studies/ Social Ethics	3
Calculus & Analytical Geometry	3
Applied Physics	2
Information and Communication Technology	3
Communication Skills	2
Electrical Workshop	2

### Semester 2

Pakistan Studies	3
Differential Equations	2
Numerical Analysis	3
Economics	3
Computer Programming	2
Linear Circuit Analysis	2
Environment, Health and Safety	1

### Semester 3

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

### Semester 4

Instrumentation and Measurements	3
Electrical Machines	3
Signals and Systems	2
Micro-Controller Systems	2
Electrical Power Transmission	3
Energy and Environment	2

### Semester 5

Control Technology	3
Communication Systems	3
Electrical Power Distribution and Utilization	2
Power Generation Technology	3
Renewable Energy Technology	3
Project Part-I	3

### Semester 6

Entrepreneurship	3
Switchgear and Protective Devices Technology	3
Industrial Drive and PLC	3
High Voltage Technology	3
Energy Conservation and Auditing	2
Project Part-II	3

### Semester 7

Training Program	16
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### Semester 8

Training Program	16
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# B.Sc

## Mechanical Engineering Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

F.Sc pre Engineering / DAE / Intermediate (Maths, Physics)

### Semester 1

Islamic Studies/ Professional Ethics	2
Applied Mathematics-I	3
Applied Physics	3
Applied Chemistry	3
Workshop Technology	3
Introductions to Computer Fundamentals	3

### Semester 2

Applied Mathematics-II	3
Pakistan Studies	2
Technical Drawing and CAD-I	4
Applied Thermodynamics- I	4
Basic Electrical & Electronics	4

### Semester 3

Communication Skills	3
CAD- II	3
Industrial Material	3
Mechanics of Material	3
Applied Thermodynamics - II	3

### Semester 4

Machine Design	3
Fluid Mechanics	4
Engineering Statics	3
Probability and Statistics	3
Total Quality Management	2
Technical Report Writing	3

### Semester 5

Heat Transfer	3
I C Engine	4
Dynamics	3
Manufacturing Processes	3
Project Management	3
Economics	2
Project	3

### Semester 6

Instrumentation and Control	3
Mechanical Vibration	3
Refrigeration & Air Conditioning	3
Material Handling and Safety	4
Project (Continue)	3

### Semester 7

16 Weeks Supervised Industrial / Field Training	16
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### Semester 8

16 Weeks Supervised Industrial / Field Training	16
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**FACULTY OF ECONOMICS  
AND COMMERCE**



## Dean's Message

Our faculty of Economics and Commerce has a deep focus on bringing experiential learning opportunities for our students in the form of practical experiences and relevant examples. They learn to excel in a world of trade wars, they learn to be a catalyst of change to make Pakistan economically Superior.

World economies today need strategic advisers having an in-depth understanding of the developed and emerging markets. World needs economic scientists to devise solutions and we help you become one through our foreign trained faculty to help you learn global and act local. At Superior University, we provide you with the best and unparalleled combination of skillset required for sound decision-making. Our faculty participates in policy discussions and engage with a wide diversity of business leaders, from the heads of multinational corporations to entrepreneurs, from regional policymakers to all the possible stakeholders of economy, to build partnerships and enhance collaboration between Superior University and the business sector by offering an environment that fosters rigorous research across the entire spectrum of economics and commerce for both scholars and practitioners.

**Dr. Salman Masood Sheikh**

- Ph.D Economics
- Ph.D Commerce
- M.Phil Commerce & Finance
- M.Phil Economics
- MS Accounting & Finance
- BS Commerce
- BS Accounting & Finance
- BS Economics with Data Science
- BS E-Commerce
- BS Islamic Banking and Finance
- Associate Degree in Accounting & Finance

Prof. Dr. Salman Masood Sheikh  
 Dr. Muhammad Iqbal  
 Dr. Mehwish Zafar  
 Dr. Muhammad Ejaz Ch  
 Dr. Saif ur Rehman  
 Dr. Sadia Adrees  
 Dr. Nazir Saeed  
 Dr. Mubashar Ali  
 Dr. Hisham-Ul-Hassan  
 Mr. Kashif Noor  
 Mr. Anees Afzal  
 Mr. Asif Khan  
 Dr. Ali Sajjad  
 Mr. Zeeshan Khan  
 Mr. Shahid Jamil  
 Ms. Rabia Aziz  
 Mr. Shahzad Ali  
 Mr. Saad Salman  
 Mr. Muhammad Toheed  
 Mr. Umar Zia  
 Mr. Muhammad Waseem  
 Mr. Sohail Hassan  
 Mr. Suleman Shahzad  
 Mr. Muhammad Waris  
 Ms. Humna Arshad  
 Ms. Hareem Yousaf  
 Ms. Nadia Irshad  
 Mr. Faheem Shaheen  
 Mr. Muhammad Shahid  
 Mr. Muhammad Shahid

Mr. Muhammad Latif  
 Mr. Asif Fayyaz  
 Mr. Junaid Arshad  
 Mr. Mohsin Raza  
 Mr. Saleem Bodla  
 Mr. Ijaz Haider  
 Mr. Muhammad Zubair Nawaz  
 Ms. Saima  
 Mr. Imtiaz Hussain  
 Mr. Munawar  
 Mr. Muhammad Usman Siddiqui  
 Mr. Umar Zia  
 Mr. Muhammad Asif  
 Mr. Muhammad Yasir  
 Ms. Sakheela Raees  
 Mr. Waseem Khaliq  
 Mr. Tanveer Ahmad  
 Mr. Muhammad Shahid  
 Mr. Aslam Yousaf  
 Ms. Hareem  
 Ms. Sundas  
 Mr. Muhammad Awais  
 Mr. Aqeel Ahmad Ch  
 Mr. Usman Ghaffar  
 Mr. Zubair Arshad  
 Mr. Ali Waqar  
 Mr. Shahbaz Haider  
 Mr. Moazzam Ali  
 Mr. Muhammad Ahmad Kamran  
 Mr. Tanveer Ahmad

Mr. Shan e Muhammad  
 Mr. Muhammad Riaz  
 Mr. Shahbaz Tufail  
 Mr. Habib Asghar  
 Mr. Nauman Aslam  
 Ms. Mehwish Zulfiqar  
 Mr. Pirzada Junaid Ahmed  
 Ms. Tayyaba Mehmood  
 Mr. Junaid Subhani  
 Mr. Ahmad Ilyas  
 Ms. Javaria Tayab  
 Ms. Abira Shafique  
 Mr. Tariq Iqbal  
 Mr. Muhammad Qasim Shah



# Ph.D

## Economics

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### 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

Business and Mmanagement Theory	3
Elective I	3
Researching & Writing Ph.D. Dissertation	3

### Semester 2

Advance Quantitative Data Analysis	3
Doing Qualitative Research	3
Elective II	3

### Semester 3, 4, 5 & 6

Comprehensive Exam	--
Proposal Defense	--
Thesis	30

### Electives

Emerging issues in Business and Economics	
Philosophy of Social Sciences	
Advance Academic writing	
Advance Research Methods	

# M.Phil

## Economics

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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
Business Research Methods	3
Elective I	3
Elective II	3

### Semester 2

Advance Research Methods	3
Quantitative Techniques in Business	3
Elective III	3
Elective IV	3

### Semester 3 & 4

Thesis Work	6
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### Electives

Advance Micro Economics	
Advance Macro Economics	
International Economics	
Advance Econometrics	
Seminars in Research	
Islamic Economics & Finance	
Islamic Financial Regulatory Framework and Governance	

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# Ph.D

## Commerce

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### 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

Business and Mmanagement Theory	3
Elective I	3
Researching & Writing Ph.D. Dissertation	3

### Semester 2

Advance Quantitative Data Analysis	3
Doing Qualitative Research	3
Elective II	3

### Semester 3, 4, 5 & 6

Comprehensive Exam	--
Proposal Defense	--
Thesis	30

### Electives

Emerging issues in Business and Economics	
Philosophy of Social Sciences	
Advance Academic writing	
Advance Research Methods	

# M.Phil

## Commerce & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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
Business Research Methods	3
Elective I	3
Elective II	3

### Semester 2

Advance Research Methods	3
Quantitative Techniques in Business	3
Elective III	3
Elective IV	3

### Semester 3 & 4

Thesis Work	6
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### Electives

Seminars in Research	
Advance Econometrics	
Corporate Governance	
Project Management	
Islamic Economics & Finance	
Islamic Financial Regulatory Framework and Governance	

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# MS

## Accounting & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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
Business Research Methods	3
Seminars in Research	3
Global Economics Issues	3

### Semester 2

Strategic Financial Management	3
Advanced Corporate and Financial Reporting	3
Management Accounting and Performance Appraisal	3
Global Banking and Financial Market	3

### Semester 3 & 4

Research Thesis	6
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# BS

## Commerce

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

Financial Accounting - I	3
Introduction to Business	3
Islamic Studies	2
Micro Economics	3
English For Life	3
Computer Application in Business	3

#### Semester 2

Business Mathematics	3
Money, Banking and Finance	3
Financial Accounting - II	3
Principles of Management	3
Psychology	3
Creative & Persuasive Writing	3

#### Semester 3

Sociology	3
Business Statistics	3
Communication Skills And Personality Development	3
Financial Reporting - I	3
Marketing Management	3
Leading People and Organization	3

#### Semester 4

Pak Studies	2
Audit & Assurance	3
Corporate & Business Law	3
Financial Reporting - II	3
Human Resource Management	3
Advance Communication Skills	3

#### Semester 5

Social Entrepreneurship Program	3
Cost Accounting	3
Production & Operation Management	3
Macro Economics	3
Business Taxation	3

#### Semester 6

Financial Management	3
Business Research Methods	3
Digital Marketing	3
Accounting Information System	3
Entrepreneurship	3

#### Semester 7

Corporate Finance	3
Investment Analysis and Portfolio Management	3
Advanced Financial Reporting	3
Financial Statement Analysis	3
Final Year Project - I	3

#### Semester 8

Economics of Pakistan	3
Islamic Finance	3
International Finance	3
Advance Cost and Managerial Accounting	3
Final Year Project - II	3

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# BS

## Accounting & Finance

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

Micro Economics	3
English - I (Functional English)	3
Managing People	3
Introduction to Sociology	3
Computer Application in Business	3
Islamic Studies	2

#### Semester 3

Financial Reporting	3
Principles of Marketing	3
Business Statistics	3
Business Communication	3
Money, Banking and Finance	3

#### Semester 5

Entrepreneurship	3
Advanced Corporate Reporting	3
Economic Development of Pakistan	3
Quantitative Techniques in Business	3
Performance Management	3
Business Taxation	3

#### Semester 7

Accounting Information System	3
Islamic Finance	3
Foreign Language	3
Final Year Project - I	3
International Business and Finance	3

#### Semester 2

Macro Economics	3
Pakistan Studies	2
Financial Accounting	3
Business Mathematics	3
English - II (Communication Skills)	3
Cost Accounting	3

#### Semester 4

Financial Management	3
Auditing & Internal Control	3
Introduction to Psychology	3
Advanced Communication Skills	3
Business Law	3

#### Semester 6

Advance Auditing	3
Business Research Methods	3
Corporate Finance	3
Project Management	3
Organizational Behavior and Leadership Skills	3
Marketing Management	3

#### Semester 8

Advanced Performance Management	3
Risk Management	3
Corporate Governance	3
Financial Statement Analysis	3
Final Year Project - II	3

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# BS

## Economics with Data Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

Microeconomics-I	3
English I (Functional English)	3
Mathematics - I	3
Introduction to Computer	3
Macroeconomics-I	3

#### Semester 2

Mathematical Economics	3
Statistics-I	3
Principles of Management	3
English II (Academic Reading and Writing)	3
Microeconomics-II	3

#### Semester 3

Islamic Studies	2
Introduction to Sociology	3
Principles of Marketing	3
Statistics-II	3
Macroeconomics-II	3
English III	3

#### Semester 4

Pakistan Studies	2
Business Administration	3
Development Economics	3
Issues in Pakistan Economy	3
Mathematics - II	3
Introduction to Data Science	3

#### Semester 5

Leading People and Organizations	3
Econometrics -I	3
International Economics	3
E-Commerce	3
Islamic Economics & Finance	3

#### Semester 6

Econometrics – II	3
Monetary Economics	3
Active Citizen	3
Entrepreneurship	3
Research Methods	3
Data Mining - I	3

#### Semester 7

Agriculture Economics	3
Quantitative Business Techniques	3
Final Year Project - I	3
Data Mining - II	3
Data Visualization	3
Advance Mathematical Economics	3

#### Semester 8

Final Year Project - II	3
Human Resource Management	3
Managerial Economics	3
Public Sector Economics	3
Introduction to Game Theory	3

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# BS

## E-Commerce

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

Functional English - I	3
Managing People	3
Computer Application in Business	3
Islamic Studies	2
Introduction to Sociology	3
Micro Economics	3

#### Semester 2

Financial Accounting	3
Macro Economics	3
Business Mathematics	3
Pakistan Studies	2
Functional English - II	3
Cost Accounting	3

#### Semester 3

Introduction to E-Commerce	3
Freelancing Management - I	3
Business Statistics	3
Business Communication	3
E-Store Development and Payment Gateway	3

#### Semester 4

Introduction to Psychology	3
Advance Communication Skills	3
Daraz Seller Management	3
Product Design & Management	3
E-Commerce Product Hunting	3

#### Semester 5

Digital Marketing	3
Economic Development of Pakistan	3
Entrepreneurship	3
Freelancing Management - II	3
Business Research Methods	3
Amazon Wholesale Business	3

#### Semester 6

Organizational Behavior and Leadership Skills	3
Financial Management	3
Performance Marketing	3
Supply Chain Management	3
Advanced Corporate Reporting	3
Amazon Private Label (PL)	3

#### Semester 7

E-Commerce Store Management	3
E-Commerce Brand Management	3
Final Year Project - I	3
Product Listing Optimization	3
Customer Relationship Management	3

#### Semester 8

Final Year Project - II	3
Business Ethics and Cyber Law	3
Project Management	3
App Store Optimization	3
Elective	3

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# BS

## Islamic Banking and Finance

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

Intermediate or Equivalent

#### Semester 1

Managing People	3
Micro Economics	3
Functional English - I	3
Islamic Studies	2
Introduction to Sociology	3
Computer Application in Business	3

#### Semester 2

Financial Accounting	3
Business Mathematics	3
Cost Accounting	3
Functional English - II	3
Pak Studies	2
Macro Economics	3

#### Semester 3

Principles of Marketing	3
Business Statistics	3
Money Banking and Finance	3
History of Islamic Business and Trade	3
Business Communication	3

#### Semester 4

Business Law	3
Islamic Banking and Finance	3
Introduction to Psychology	3
Advanced Communication Skills	3
Auditing and Internal Control	3

#### Semester 5

Entrepreneurship	3
Principles of Islamic Jurisprudence	3
Islamic Bait ul Mal	3
Economic Development of Pakistan	3
Quantitative Techniques in Business	3
Islamic Microfinance	3

#### Semester 6

Islamic Economies	3
Business Research and Methods	3
Islamic Business and Commercial Law	3
Fiqh ul Mamilat	3
Organizational Behavior and Leadership Skills	3
Foreign Language	3

#### Semester 7

Business Ethics and Islam	3
Takaful/Islamic Insurance	3
Islamic Business and Trade	3
Advanced Islamic Jurisprudence	3
Final Year Project - I	3

#### Semester 8

Shariah Auditing	3
Islamic SME Financing	3
Advanced Fiqh ul Mamilat	3
Final Year Project - II	3
Islamic Product Development	3

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# Associate Degree in Accounting & Finance

Course Duration	2 Years
Semesters	4
Total Credit Hours	67

## Eligibility

Intermediate or Equivalent

### Semester 1

Financial Accounting-I	3
Islamic Studies	2
Money, Banking and Finance	3
Functional English-I	3
Computer Application in Business	3
Business Mathematics	3

### Semester 2

Financial Accounting-II	3
Functional English-II	3
Business Statistics	3
Business Economics	3
Business Studies	3
Pakistan Studies	2

### Semester 3

Advanced Financial Accounting-I	3
Principles of Auditing	3
Business Law	3
Entrepreneurship	3
Business Communication & Report Writing	3
E-Commerce	3

### Semester 4

Advanced Financial Accounting-II	3
Cost Accounting	3
Economic Development of Pakistan	3
Income Tax Law	3
Internship	3

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# FACULTY OF MEDICAL SCIENCES



## Dean's Message

Dr Akbar.....I am delighted to introduce the Faculty of Medical Sciences at The Superior University Lahore. With a remarkable track record of educational success, Superior has established itself as a renowned institution in the field of education and is now embarking on new horizons to benefit the people of Pakistan. Starting from the 2022-23 academic session, Azra Naheed Medical College at Superior University has implemented the Integrated Modular System for the MBBS program. We firmly believe that this innovative approach will equip future doctors with enhanced competency, skills, and a professional mindset. The Faculty of Medical Sciences is dedicated to transforming the mindset and fostering a culture of specialized research in Pakistan. Through this program, we are committed to giving research the importance it deserves, surpassing the traditional curriculum. Our students will have the opportunity to gain international exposure and develop into exceptional practitioners through engaging co-curricular activities and a supportive learning environment.

InshaAllah, our institute will be recognized for providing the best learning facilities to its students. Our strength lies in international collaborations and context-based research, which will undoubtedly contribute to our reputation in the years to come. Additionally, our innovative postgraduate courses will address the pressing needs of the contemporary world.

I firmly believe that graduates from this esteemed institution will demonstrate ethical conduct, competence, and true professionalism. They will make significant contributions towards providing healthcare facilities of international standards to society and humanity.

I pray to Allah Almighty for the strength and courage to fulfill our responsibilities towards the youth of Pakistan (Ameen).

**PROF. DR. MUHAMMAD AKBAR CHAUDHRY**



- M.Phil Basic Medical Sciences
- MBBS
- BDS
- Bachelor of Eastern Medicine and Surgery

Prof. Dr. Muhammad Akber Chaudhry  
 Prof. Dr. Muhammad Aslam  
 Prof. Dr. Muhammad Asif Shahzad  
 Prof. Dr. Tahir Nazeer  
 Prof. Dr. Babar Hussain Khan  
 Prof. Dr. Nasir Iqbal  
 Prof. Dr. Abdul Rasheed Qamar  
 Prof. Dr. Shabir Ahmed  
 Prof. Dr. Shahzad Qureshi  
 Prof. Dr. Muhammad Zahid  
 Prof. Dr. Naseem Saud Ahmed  
 Prof. Dr. Fakhar Un Nisa  
 Prof. Dr. Muhammad Shoaib  
 Prof. Dr. Zahra Haider Bokhari  
 Prof. Dr. Osama Habib  
 Prof. Dr. Shumaila Zia  
 Prof. Dr. Zafar Iqbal  
 Prof. Dr. Raafea Tafweez Kuraishi  
 Prof. Dr. Amber Malik  
 Prof. Dr. Shahid Mahmood  
 Prof. Dr. Atif Qureshi  
 Prof. Dr. Iqbal Ahmad Azhar  
 Prof. Dr. Saboohi Saeed  
 Prof. Dr. Muhammad Fiaz  
 Prof. Dr. Muhammad Saeed  
 Prof. Dr. Naseer Ahmad Chaudhry  
 Prof. Dr. Waqas Sami  
 Prof. Dr. Khalil Ur Rehman  
 Prof. Dr. M. Zahid Latif  
 Prof. Dr. Rizwan Saeed  
 Prof. Dr. Ayma Syed  
 Prof. Dr. Saima Rubab Khan  
 Prof. Dr. Hafiz M. Majid Jahangir  
 Prof. Dr. Muhammad Asif Shahzad  
 Dr. Nazia Badar  
 Dr. Muhammad Shakil  
 Dr. Munaza Javed  
 Dr. Azhar Waheed Khan  
 Dr. Huma Tahseen  
 Dr. Rashida Sultana  
 Dr. Saeed Taj Din  
 Dr. Sadia Ikarm  
 Dr. Aliya Aslam  
 Dr. Asma Inam  
 Dr. Fawad Hameed  
 Dr. Abrar Ul Hassan Pirzada  
 Dr. Humaira Alam  
 Dr. Muhammad Asif

Dr. Kashif Sultan Ali  
 Dr. Abrar Hussain Shah  
 Dr. Farukh Sarfraz  
 Dr. Ayesha Jamil  
 Dr. Qundeel Zahra  
 Dr. Najma Shoaib  
 Dr. Hafiz Hamad Ashraf  
 Dr. Mariyah Javed  
 Dr. Hira Asghar  
 Dr. Mehwish Munawar  
 Dr. Usman Sana  
 Dr. Anila Erum  
 Dr. Muhammad Anwaar Alam  
 Dr. Syeda Rizwana Jafri  
 Dr. Ayesha Saleem  
 Dr. Bushra Iftikhar  
 Dr. Farah Waseem  
 Dr. Sabeen Aftab  
 Dr. Sara Masood Cheema  
 Dr. Hafiza Naveeda Khurshid  
 Dr. Iffat Hamid  
 Dr. Shabnum Sibtain  
 Dr. Sahar Iqbal  
 Dr. Saima Irum  
 Dr. Fariha Sahrish  
 Dr. Bisma Fatima Aslam  
 Dr. Kanwal Ijaz  
 Dr. Hina Sadaf  
 Saima Zareen  
 Dr. Tuba Tariq  
 Dr. Danyal Anwar Shiraz  
 Dr. Muhammad Khurram Jameel  
 Dr. Ch Muhammad Aqeel  
 Dr. Nauman Ismat Butt  
 Dr. Aniq Ansar Tufail  
 Dr. Muhammad Shahid Hussain Sial  
 Dr. Pir Muneeb Rehman  
 Muhammad Ammar  
 Dr. Muhammad Tayyab  
 Dr. Sehrish Sarwar  
 Dr. Azhar Ali Khan  
 Dr. Arooj Fatima  
 Dr. Muhammad Tahir Yusuf  
 Dr. Waheed Ahmad  
 Dr. Nabeel Zahid  
 Dr. Kashif Haroon  
 Dr. Rizwan Mahmood  
 Dr. Zartashia Arooj  
 Dr. Fariha Rizwan  
 Dr. Rizwan Saghir Chatha  
 Dr. Amna Muneeb  
 Dr. Maryam Riaz

Dr. Ambreen Nawaz  
 Dr. Mehvish Shahid  
 Dr. Junaid Altaf  
 Dr. Muhammad Faisal Rana  
 Dr. Arifa Tariq  
 Dr. Hafsa Abdul Aleem  
 Dr. Abdul Sattar  
 Dr. Sh Javaid Nazir  
 Dr. Asad Mehmood  
 Dr. Nazia Noor  
 Dr. Mariam Abbas  
 Dr. Mehwish Niazi  
 Dr. Iqra Amin  
 Dr. Tehmina Shakoor  
 Dr. Noman Tariq  
 Dr. Shiraz Mahmood  
 Dr. Rushda Khalid  
 Dr. Shahrukh Irfan  
 Dr. Adeel Tuasene  
 Dr. Shariq Ali Khan  
 Dr. Ahmed Mujtaba  
 Dr. Wedad Sohail  
 Dr. Momal Ahmad  
 Dr. Talal Ejaz  
 Dr. Razib Ehsan Kamboh  
 Dr. Menaal  
 Dr. Ammara Khan  
 Dr. Fatima Tanveer  
 Dr. Shehryar Awan  
 Dr. Hajra Talat  
 Dr. Hafsa Qayyum  
 Dr. Nayab Naveed  
 Dr. Shiraz Mahmood  
 Dr. Atiya Khan  
 Dr. Mahnoor Choudhary  
 Dr. Afifa Arshad  
 Dr. Syeda Zakia  
 Dr. Sidra Asad  
 Dr. Hira Sikandar  
 Dr. Sundus Israr  
 Dr. Erum Hashmi  
 Dr. Maha Saeed  
 Dr. Saba Waheed  
 Dr. Ridda Akbar  
 Dr. Komal  
 Dr. Junaid Saffi  
 Dr. Maha Javaid  
 Dr. Zeeshan Akbar  
 Dr. Saira Sundas  
 Dr. Aamna Rehman Chishti  
 Dr. Zara Khan  
 Dr. Amna Dalil  
 Dr. Khayyam Arif  
 Dr. Ahmad Rafiq Chudhary

Dr. Zaeema Najeeb  
 Dr. Salma Asad  
 Dr. Muhammad Zeeshan Alam Khan  
 Dr. Rafia Masood  
 Dr. Sehar  
 Dr. Iqra Sharif  
 Dr. Mayra Waheed  
 Dr. Maira Saleem  
 Dr. Sana Shahzad  
 Dr. Ghulam Abbas  
 Dr. Umer Tahir  
 Dr. Sehar Rana  
 Dr. Zohaib Khalid  
 Dr. Hamna Ejaz  
 Dr. Iqra Saleem  
 Dr. Sarah Nasir  
 Dr. Faiza Ishtiaq  
 Dr. Ahzam Sohail  
 Dr. Beena Kalia  
 Dr. Shahzada Faiz Ahmad Khan  
 Dr. Sadia Afif  
 Dr. Mohid Rehman  
 Abdullah Karamat  
 M Hamza Shaikh  
 Dr. Aisha Akbar  
 Dr. Khushboo Shahbaz  
 Ammad Jawed  
 Dr. Hina Naz Naseem  
 Dr. Ayesha Tariq  
 Dr. Hiffa Abdul Qayyum  
 Dr. Ummara Mahmood  
 Dr. Hina Ali  
 Dr. Mamoona Luqman  
 Dr. Maham Zia  
 Dr. Baher Tarik  
 Dr. Iqra Yousaf  
 Dr. Osama Rehman  
 Dr. Hamna Abid Attiqi  
 Dr. Maryam Rabya Sultana  
 Dr. Rahima Khan  
 Zahra Chatha  
 Muhammad Umair Malik  
 Dr. Easha Tahir Butt  
 Dr. Rahmah Kashif  
 Nimra Sarfraz  
 Dr. Khizer Mehmood  
 Dr. Syed Muhammad Ahmad Rahim  
 Dr. Iqra Alvi  
 Dr. Maryam Anjum

# M.Phil

## Basic Medical Sciences

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

- I. MBBS Recognized by the PMDC
- II. One-Year House Job
- III. Permanent Valid Registration with PMDC

### Semester 1

Research Methodology	3
Elective -I	3
Elective -II	3
Elective -III	3

### Semester 2

Elective -IV	3
Elective -V	3
Elective -VI	3
Elective -VII	3

### Semester 3 & 4

Research /Clinical Work/Thesis	6
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### List of Electives

Anatomy  
Biochemistry  
Chemical Pathology  
Haematology  
Histopathology  
Microbiology  
Molecular Biology  
Oral Pathology  
Oral Biology  
Physiology  
Pharmacology  
Pathology  
Public Health  
Special Pathology



## Principal's Message

It gives me great pleasure to introduce Azra Naheed Medical College Lahore, a constituent college of "The Superior University Lahore" chartered under ACT XVI of 2004 by the Provincial Assembly of Punjab. Since its establishment in January 2011, Azra Naheed Medical College has flourished by boasting a magnificent building and a delightful environment.

Azra Naheed Medical College, our flagship project, aims to revolutionize medical education in Pakistan by fostering a specialized research culture and transforming mindsets. As one of the pioneers, we have embraced the integrated Modular System, which has shown promising outcomes. Students trained in this system demonstrate enhanced clinical acumen, a deeper understanding of subjects, critical thinking skills, and problem-solving abilities. By adopting the integrated modular approach, we enable focused and conceptual learning, while prioritizing research over the conventional curriculum.

Our program offers students opportunities for international exposure, enabling them to become exceptional practitioners. With a combination of co-curricular activities and a supportive learning environment, we are determined to bring about a positive change in the medical field. At Azra Naheed Medical College, we strive to provide the best facilities to our students. Our strength lies in our international collaborations and context-based research, which will undoubtedly elevate our reputation in the years to come.

Additionally, our innovative postgraduate courses address the pressing needs of today's world. I firmly believe that the graduates of this esteemed institution will exemplify ethics, competence, and professionalism, making significant contributions towards providing healthcare facilities of international standards to society and humanity at large.

I pray to Allah Almighty for the strength to fulfill our responsibilities towards the youth of Pakistan. May He guide and bless us in our endeavors (Ameen).

**PROF. DR. MUHAMMAD ASLAM**

# MBBS

Course Duration 5 Years

## Eligibility

F.Sc. Pre-Medical/ A level

### 1st Year

Foundation Module  
Locomotor Module  
Blood Immunology Module  
Respiratory Module  
Cardiovascular Module  
Infection Control  
Self-Directed Learning I

### 2nd Year

Anatomy & Histology-II (Radiology, Neuroanatomy, Embryology, Applied Anatomy, General Anatomy, Special Anatomy)  
Physiology-II  
Biochemistry-II  
Behavioural Sciences-II  
Islamiyat & Pakistan Studies  
Self-Directed Learning II

### 3rd Year

Behavioural Sciences-III  
Pharmacology  
Forensic Medicine  
General Pathology (Including Bacteriology, Parasitology, Microbiology, Haematology)  
Self-Directed Learning III

### 4th Year

Community Medicine & Research  
Special Pathology (Histopathology, Morbid Anatomy, Chemical Pathology)  
Otolaryngology (ENT)  
Ophthalmology (Eye)  
Self-Directed Learning IV

### 5th Year

MMC651130 - General Internal Medicine (Neurology, Psychiatry, Dermatology, Radiotherapy, Tropical Medicine, Radiology, TB & Chest Diseases, Cardiology, Nephrology, Gastroenterology, Pulmonology)  
MMC651140 - General Surgery (Operative Surgery, Surgical Anatomy, Orthopaedic Surgery, Chest Surgery, Neurosurgery, Paediatrics Surgery, Urology, Venereal Diseases, Thoracic Surgery, Plastic Surgery, Maxillofacial Surgery, Anaesthesia)  
MMC651150 - Obstetrics & Gynaecology  
MMC651160 - Paediatrics  
MMG651120 - Healthcare Entrepreneurship  
MMG651110 - Self Directed Learning V

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.



## Principal's Message

It is with great honor and pride that I, as the Principal of Azra Naheed Dental College, a constituent of The Superior University Lahore, extend a warm welcome to you. ANDC stands out as an institution that offers unique opportunities which few others can match. The academic environment is highly conducive for students who aspire for excellence in the dental profession. Our focus on exceptional education, research, and students' development is unparalleled. Our faculty, consisting of highly qualified, experienced, and skilled professionals, delivers evidence-based and high-quality education using a variety of methods such as blended learning, and small group discussions, complementing the traditional lectures.

This comprehensive approach provides students with a diverse clinical experience, ranging from basic disease prevention techniques to complex treatments on patients from various cultures and backgrounds. I firmly believe that the exceptional academic atmosphere, dedication of our academic and administrative staff, and the strong commitment of the management have enabled our institution to achieve a commendable position among dental colleges in Pakistan.

We are dedicated to bringing remarkable changes through our innovative hybrid modular curriculum, which places greater emphasis on early clinical exposure, student-centered teaching, and research, surpassing the limitations of the routine curriculum. In addition to the BDS program, our institution currently offers M.Phil programs in Basic Dental Sciences, and we have plans to introduce postgraduate programs in Clinical Dental Sciences in the near future. I eagerly look forward to witnessing our fresh graduates emerge as competent, and responsible dental surgeons who will serve the community and the nation in accordance with national and international standards.

I pray to Allah SWT to grant us the strength, dedication, and commitment to fulfill our aims and obligations towards our students, enabling them to contribute towards an economically superior Pakistan.

**PROF. DR. ASIF SHEHZAD**



# BDS

Course Duration	4 Years
Semesters	Annual System

## Eligibility

As per PMDC criteria

## 1st Year

Anatomy (Including Histology)  
Physiology  
Biochemistry  
Oral Biology and Tooth Morphology  
Islamic Studies/Ethics and Pakistan Studies

## 2nd Year

Pharmacology (Including Dental Pharmacology)  
General Pathology and Microbiology  
Science of Dental Materials  
Community and Preventive Dentistry  
Behavioural Sciences  
Junior Prosthodontics  
Junior Operative  
Social Entrepreneurship

## 3rd Year

Oral Pathology  
General Medicine  
General Surgery  
Periodontology  
Oral Medicine  
Oral and Maxillofacial Surgery  
Healthcare Entrepreneurship  
Operative Dentistry  
Prosthodontics

## 4th Year

Oral Surgery  
Orthodontics  
Prosthodontics  
Operative Dentistry

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# BEMS

## Bachelor of Eastern Medicine and Surgery

Course Duration	5 Years
Semesters	10
Total Credit Hours	228

### Eligibility

F.Sc Pre-Medical or equivalent with minimum 50% marks or as per the policy of NCT.

### Semester 1

Anatomy-I	4
Physiology-I	4
Biochemistry-I	4
Principles of Eastern Medicine-I	4
History of Eastern Medicine-I	3
Islamic Studies	3
English I	3

### Semester 2

Anatomy-II	4
Physiology-II	4
Biochemistry-II	4
Principles of Eastern Medicine-II	4
History of Eastern Medicine-II	3
Pakistan Studies	3
English II	3

### Semester 3

Anatomy-III	4
Physiology-III	4
Biochemistry-III	4
Principles of Eastern Medicine-III	4
Pharmacognosy-I	4

### Semester 4

Anatomy-IV	4
Physiology-IV	4
Biochemistry-IV	4
Principles of Eastern Medicine-IV	4
Pharmacognosy-II	4
Bioinformatics	4

### Semester 5

Pathology-I	4
Materia Medica-I	4
Pharmacy-I	4
Pharmacognosy-III	4
Medicine - I	4
Community Medicine	4

### Semester 6

Pharmacy-II	4
Microbiology and Parasitology-II	4
Materia Medica-II	4
Pharmacognosy-IV	4
Forensic Medicine and Toxicology	4
Materia Medica-II	4

### Semester 7

Pathology-II	4
Surgery-I	3
Materia Medica-III	4
Gynecology-I	3
Medicine - III	4
Clinical Psychology and Psychiatry	4

### Semester 8

Pathology-III	4
Surgery-II	3
Medicine - IV	4
Gynecology-II	3
Materia Medica-IV	4

### Semester 9

Pediatrics-I	3
Ophthalmology	3
Obstetrics-I	3
Surgery-III	3
Clinical Diagnostics-I	4
Final Year Project-I Medicine - V	3 4

### Semester 10

Pediatrics-II	3
ENT	3
Obstetrics-II	3
Surgery-IV	3
Clinical Diagnostics-II	4
Medicine - VI	4
Final Year Project-II	3

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# FACULTY OF PHARMACY



## Dean's Message

Department of Pharmaceutical Sciences, Faculty of Pharmacy at Superior University is a unique amalgamation of conventionally tested global practices and innovation through our research culture that prepares a 21st century graduate who is relevant to the world. The faculty through the university's unique entrepreneurial ecosystem ensures that quality Pharmacy education is being provided to the students.

**Superior Wellness Company (SWC)** is the in-house pharmacy lab that offers experiential learning and the chain of **Hyatt Pharmacy** ensures your training to professional competency.

Innovation and research culture backs the learning experience in the best way possible. The vast alumni network of practicing pharmacists bridges the gap between the academia and industry. The faculty through its state of the art infrastructure successfully advocates and promotes the role of the Pharmacists in society by providing highly skilled and motivated professionals who could communicate effectively with the patients and other professionals to improve the healthcare system of Pakistan for better outcomes. Faculty of Pharmacy promises students knowledge, values and the skillset that they need today to excel in the world through its internationally trained faculty members who have a holistic grip on defining scope of Pharmacy in today's world themselves.

Prof. Dr. Abu Bakar Munir

- Ph.D Pharmacology
- M.Phil Pharmaceutics
- M.Phil Pharmacology
- Doctor of Pharmacy

Prof. Dr. Abu Bakar Munir  
Prof. Dr. Shafiullah  
Dr. Shafiq Ali Shah  
Dr. Syed Ahmed Shah  
Dr. Muhammad Zaeem Ahsan  
Dr. Hafiz Ahmad Javed  
DR. Hafsa Abdul Aleem  
Dr. Sana Shehzad  
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. Maryam Khalid  
Ms. Kanwal Ashiq  
Mr. Sarmad Siddique  
Mr. Irfan Ul Haq

Ms. Bushra Hussain  
Ms. Anam Ijaz  
Ms. Ayesha Mustafa  
Mr. Rana Mohsin Ismael  
Ms. Zainab Ramzan  
Ms. Ahdania Batool  
Ms. Ayesha Talib  
Ms. Nosheen Akhtar  
Mr. Naik Akhtar  
Ms. Sadia Kanwal  
Mr. Rana Mubeen Ul Haq  
Mr. Zakki Arshad  
Mr. Zaigham Ghaffar  
Ms. Tehmina Tahir  
Mr. Asif Yousaf  
Mr. Muhammad Arshad  
Ms. Anum Fiaz  
Mr. Hafiz M. Idrees Khan  
Dr. Ahtesham Tariq  
Dr. Muhammad Usama  
Dr. Nazar Abbassi

# Ph.D

## Pharmacology

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### 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 2

Evaluation of Selected Pharmacological Activities	3
Toxicokinetic Studies and Metabolic Disorders	3
Computational Pharmacology	3

### Semester 1

Biochemical and Molecular Pharmacology	3
Research Methods in Pharmacology	3
Advanced Pharmacology	3

### Semester 3, 4, 5 & 6

Research work and Thesis Writing	30
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# M.Phil

## Pharmaceutics

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

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

### Semester 2

Formulation and Product Development	3
Advanced Pharmaceutics II	3
Pharmaceutical Microbiology	3
Clinical Pharmacy	3

### Semester 1

Advanced Pharmaceutics I	3
Research Methodology, Seminar and Project Writing	3
Biopharmaceutics & Pharmacokinetics	3
Biostatistics	3

### Semester 3 & 4

Research work and Thesis	6
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# M.Phil

## Pharmacology

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### Eligibility

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

### Semester 2

System Pharmacology II	3
Chemotherapeutics	3
Molecular Pharmacology	3
Clinical Pharmacology and Toxicology	3

### Semester 1

Ethanopharmacology	3
System Pharmacology I	3
Research Methods in Pharmacology	3
Biostatistics	3

### Semester 3 & 4

Research work and Thesis	6
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# Doctor of Pharmacy

Course Duration	5 Years
Semesters	10
Total Credit Hours	201

## Eligibility

FSc (Pre-Medical) with 60% marks

### Semester 1

English-A (Functional English)	2
Pharmaceutics-IA (Physical Pharmacy)	4
Pharmaceutical Chemistry-IA (Organic)	4
Pharmaceutical Chemistry-IIA (Biochemistry)	4
Physiology-A	4
Anatomy & Histology	4

### Semester 2

English-B (Communication & Writing Skills)	4
Pharmaceutics-IB (Physical Pharmacy)	4
Pharmaceutical Chemistry-IB (Organic)	4
Pharmaceutical Chemistry-IIB (Biochemistry)	4
Physiology-B	4

### Semester 3

Islamic Studies	3
Pharmaceutics-IIA (Dosage Form Science)	4
Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	4
Pharmacology and Therapeutics-IA	4
Pharmacognosy-IA (Basic)	4
Pharmacy Practice-IA (Pharmaceutical Mathematics)	3

### Semester 4

Pakistan Studies	2
Pharmaceutics-IIB (Dosage Form Science)	4
Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	4
Pharmacology and Therapeutics-IB	4
Pharmacognosy-IB (Basic)	4
Pharmacy Practice-IB (Bio-statistics)	3

### Semester 5

Pharmacy Practice-IIA (Dispensing Pharmacy)	4
Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	4
Pharmacology and Therapeutics-IIA	3
Pharmacology and Therapeutics-IIA	1
Pharmacognosy-IIA (Advanced)	4
Pathology	4

### Semester 6

Pharmacy Practice-IIB (Community, Social and Administrative Pharmacy)	3
Pharmacy Practice III (Computer and its Applications in Pharmacy)	4
Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	4
Pharmacology and Therapeutics-IIB	4
Pharmacognosy-IIB (Advanced)	4

### Semester 7

Pharmacy Practice-IVA (Hospital Pharmacy)	3
Pharmaceutics-VA (Biopharmaceutics and Pharmacokinetics)	4
Pharmacy Practice-VA (Clinical Pharmacy-I)	4
Pharmaceutics-VIA (Pharmaceutical Quality Management)	4
Pharmaceutics-IVA (Industrial Pharmacy)	4

### Semester 8

Pharmacy Practice-IV B(Hospital Pharmacy)	3
Pharmaceutics-VB (Biopharmaceutics and Pharmacokinetics)	4
Pharmacy Practice-VB (Clinical Pharmacy)	4
Pharmaceutics-VIB (Pharmaceutical Quality Management)	4
Pharmaceutics-IVB (Industrial Pharmacy)	4
Healthcare Entrepreneurship	3

### Semester 9

Pharmaceutics-VIIA (Pharmaceutical Technology)	4
Pharmacy Practice-VIA (Advanced Clinical Pharmacy II)	4
Pharmacy Practice-VIIIA (Pharmaceutical Management and Marketing)	3
Pharmacy Practice-VIIA (Forensic Pharmacy)	3
Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	4

### Semester 10

Pharmaceutics-VIIB (Pharmaceutical Technology)	4
Pharmacy Practice-VIB (Advanced Clinical Pharmacy II)	4
Pharmacy Practice-VIIIB (Pharmaceutical Management and Marketing)	3
Pharmacy Practice-VIIB (Forensic Pharmacy)	3
Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	4



# FACULTY OF SCIENCES



## Dean's Message

Welcome to the world of Sciences where impossible is not a scientific term. At Superior University, Faculty of Sciences develops the way of thinking much more than serving as a rhetoric body of knowledge. "Never stop questioning" is the notion, most emphasized upon in this faculty. That is how we have opened entrepreneurial avenues for the students in faculty of Sciences.

Science is about the little miracles of everyday life that shape up the world around us and if taught right, can lead our lives in the most superior way. Faculty of Sciences here ensures you experience these miracles through project based learning and objective based education that specifically targets the needs of an ever-changing market which makes it tough for graduates who haven't had experiential learning.

While we see through constant evolving, things tend to become easily more obsolete than ever before, our Faculty of Sciences is a gateway to infinite knowledge that opens new horizons in every sector, ranging from food to energy, and industry to everything that contributes to an economically Superior Pakistan.

The institution is known to be the first ever to revolve around innovation and research and we believe this is the perfect way to tell what science actually is.

Our internationally trained faculty members with published research papers make sure you have an evidence-based approach to learning. We make sure every student remains to be a curious mind who believes in constant research and innovation through our entrepreneurial ecosystem. We believe in individuals who are self-reliant, adaptable, critical thinkers.

**Dr. Musarat Ullah Afridi**

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

Dr. Musarrat Ullah Afridi  
 Dr. Muhammad Usman Hashmi  
 Dr. Uqba Mehmood  
 Dr. Syed Junaid Zaidi  
 Dr. Fizza Naseem  
 Dr. Rabia Nawaz  
 Dr. Nazia Kanwal  
 Dr. Muhammad Rashad  
 Dr. M. Mudassir Iqbal  
 Dr. Zia Ur Rehman  
 Dr. Zahid Mir  
 Dr. Qanitah Ama-Tul-Mughani  
 Dr. Samyyia Abrar  
 Dr. Attia Razzaq  
 Dr. Nimra Tariq Butt  
 Dr. Malik Fateh Muhammad Awan  
 Dr. Tasadduq Niaz  
 Dr. Mumtaz Akhtar  
 Dr. Farzana Shahin  
 Dr. Zeeshan Mahmood  
 Dr. Rabia Akhtar  
 Dr. Saima Mushtaq  
 Mr. Mehmood Baig  
 Ms. Abeerha Tu Allah Khan  
 Mr. Aamer Ejaz Khan Niazi

Mr. Hamza Khalid  
 Ms. Aqsa Shahid  
 Ms. Khadeeja Nasir  
 Ms. Zohal Hassan  
 Mr. Rana Qadir Ul Hassan  
 Ms. Nimra Malik  
 Ms. Iqra Asif  
 Ms. Anum Khan  
 Mr. Muhammad Saad  
 Ms. Aiman Ishfaq  
 Mr. Muhammad Bilal  
 Ms. Faiza Zaheer  
 Mr. Nasir Nadeem  
 Mr. Muazzam Ali  
 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. 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	48

### Eligibility

CGPA 3 Out of 4  
(as per university and HEC policy)

GAT  
3rd party or NTS 60 %, if university then 70%  
(as per university and HEC policy)

### Semester 1

Isolation, Purification and Characterization of Proteins	3
Elective – 1**	3
Elective – 2**	3

### Semester 2

Fundamentals of Biostatistics	3
Elective – 3**	3
Elective – 4**	3

### Semester 3, 4, 5 & 6

Research and Thesis	30
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### List of Electives

1. Problem Based Learning in Molecular Biology
2. DNA and Protein Sequencing (Lab Techniques)
3. Noble Laureate of Biochemistry, Molecular Biology and Biomedical Sciences
4. Project Management
5. Immunological Techniques
6. Communicating Science
7. The Responsible conduct of Research
8. Biomolecules to Market
9. Gene Cloning and Expression
10. Problem Based Learning in Protein Structure and Function

# MS

## Botany

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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 2

Applied Biostatistics	3
Elective – 4**	3
Elective – 5**	3
Elective – 6**	3

### Semester 3 & 4

Research and Thesis	6
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### Semester 1

Advanced Biological Techniques	3
Elective – 1**	3
Elective – 2**	3
Elective – 3**	3

### List of Electives

Palynology	3
Soil Fertility and Plant Nutrition	3
Medicinal Plants (Pharmacognosy)	3
Applied Ethnobotany	3
Soil Plant Relationship	3
Medicinal and Aromatic Plants	3
Plant Microbe Interactions	3
Forensic Botany	3
Biodegradation and Bioremediation	3
Biochemistry and Physiology of diseased plants	3

# MS

## Microbiology

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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 2

Applied Biostatistics	3
Elective – 4**	3
Elective – 5**	3
Elective – 6**	3

### Semester 3 & 4

Research and Thesis	6
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### Semester 1

Advances in Microbiological Techniques	3
Elective – 1**	3
Elective – 2**	3
Elective – 3**	3

### List of Electives

1. Advanced Medical Microbiology
2. Diagnostic Virology
3. Food and Dairy Microbiology
4. Modern Methods in Infection Biology
5. Advances in Soil Microbiology
6. Advances in Microscopy and image analysis
7. Veterinary Microbiology
8. Molecular Immunology
9. Microbial Enzyme Technology
10. Management of Infectious Waste

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# MS

## Zoology

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Advanced Biological Techniques	3
Advanced Mammalogy	3
Classification of Insects and Pest Management	3
Advanced Physiology	3

### Semester 2

Applied Biostatistics	3
Fish Breeding and Hatchery Management	3
Medical Virology	3
Wildlife Conservation and Management	3

### Semester 3 & 4

Thesis	6
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# M.Phil

## Chemistry

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Separation Techniques in Chemistry	3
Solid State Chemistry	3
Organic Polymer Chemistry	3
Nanochemistry	3

### Semester 2

Inorganic Materials Chemistry	3
Advanced Chemical Kinetics	3
Skill Enhancement	3
Nuclear Magnetic Resonance Spectroscopy	3

### Semester 3 & 4

Thesis	6
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# MPhil

(Mathematics)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

## 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

Group Theory	3
ODEs And Computational Linear Algebra	3
Elective-I	3
Elective-II	3

## Semester 2

Functional Analysis	3
Integral Equations	3
Elective-III	3
Elective-IV	3

## Semester 3 & 4

Research Thesis	6
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## List of Electivities

Geometry	3
Mathematical Techniques	3
Partial Differential Equations	3
Integral Equations	3
Cosmology	3
Relativistic Astrophysics	3
Classical Field Theory	3
Fluid Dynamics	3
Introduction To Bio Mathematics	3
Plasma Physics	3
Theory of Spline Function-I	3
Theory of Spline Function-II	3
Subdivision Schemes	3
Approximation Theory	3
Numerical Solutions Of PDEs	3
Minimal Surfaces	3
Rings and Modules	3
Operator Theory	3
Lie Algebras & Lie Groups	3
Field Extensions And Galois Theory	3
General Topology	3
Topological Groups	3
Linear Groups And Group Representations	3
Introduction To Fuzzy Systems	3
Fuzzy Graph Theory	3

# M.Phil

(Statistics)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

## 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

Probability Distributions	3
Survey Sampling	3
Elective-I	3
Elective-II	3

## Semester 2

Statistical Inference	3
Statistical Analysis by R	3
Elective-III	3
Elective-IV	3

## Semester 3 & 4

Research Thesis	6
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## List of Electivities

Advanced Regression Analysis	3
Advanced Bayesian Inference	3
Advanced Categorical Data Analysis	3
Advanced Design of Experiments	3
Advanced Distribution Theory	3
Advanced Multivariate Analysis	3
Advanced Operations Research	3
Advanced Statistical Methods in Quality Control	3
Applied Smoothing Techniques	3
Applied Stochastic Models	3
Bayesian Inference	3
Causal Inference	3
Convergence in Probability	3
Decision Trees	3
Ecological Statistics	3
Environmental Statistics	3
Financial Stochastic Models	3
Generalized Linear Mixed Models	3
Generalized Linear Models	3
Inference in Stochastic Processes	3
Linear Models	3
Logical Reasoning and Research Method	3
Longitudinal Data Analysis	3
Meta Analysis	3
Multilevel Modeling	3
Optimization Techniques	3
Regression Models for Count Data	3
Spatial Data Analysis	3
Statistical Genetics	3
Statistical Methods for Clinical Trials	3
Structural Equation Models	3
Survival Data Analysis	3
Time Series Analysis and Forecasting	3

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# M.Phil

## Physics

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Mathematical Methods of Physics	3
Elective-I	3
Elective-II	3
Experimental Techniques	3

### Semester 2

Elective-III	3
Elective-IV	3
Elective-V	3
Elective-VI	3

### Semester 3 & 4

Research Thesis	6
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### List of Electivities

Quantum Mechanics	3
Electrodynamics	3
Classical Mechanics	3
Metal Physics	3
Statistical Physics	3
Advanced Quantum Mechanics	3
Advanced Electrodynamics	3
Advanced Quantum Mechanics	3
Methods and Techniques of Experimental Physics-I	3
Methods and Techniques of Experimental Physics-II	3
Optical properties of Solids	3
Magnetism in Condensed Matter	3
Quantum Optics	3
Condensed Matter Theory	3
Quantum Information Theory	3
Materials Science	3
Plasma Physics	3
Superconductivity	3
Particle Physics	3
Nanotechnology	3
Medical Physics	3
Computational Physics	3
Spectroscopy	3
Laser Physics	3
Nuclear Physics	3
Radiation Physics	3
Modeling and Simulation	3
X-ray Diffraction	3
Bio Physics	3

# MS

## (Biochemistry)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Core-I Advanced Biochemical Techniques	3
Core-II Clinical Biochemistry	3
Elective-I	3
Elective-II	3

### Semester 2

Core-III Applied Biostatistics	3
Core-IV Advanced Bioinformatics	3
Elective-III	3
Elective-IV	3

### Semester 3 & 4

Thesis	6
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### List of Electivities

Advances in Clinical Biochemistry	3
Food Biochemistry	3
Protein Structure, Function and Engineering	3
Signal Transduction	3
Biochemistry of Drugs and their Resistance	3
Carbohydrates & Lipids Structure, Function & Metabolism	3
Protein structure & Metabolism	3
Single Transduction & Endocrinology	3
Research Methodology	3
Clinical Biochemistry	3
Food & Nutrition Biochemistry	3
General Pathology	3
Basic Physiology	3

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# MS

(Biotechnology)

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

## 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 2

Core-2	3
Elective – 4**	3
Elective – 5**	3
Elective – 6**	3

## Semester 3 & 4

Research and Thesis	6
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## List of Elective Courses

Modern Biotechnology: Principles & Applications  
 Biostatistics & Laboratory Mathematics  
 Bioethics, Biosecurity, Biosafety & Dual Use Education  
 Bioprocess Technology  
 Advances in Cell and Molecular Biology  
 Recent trends in Molecular Diagnostics  
 Research Methods in Biotechnology  
 Advances in Environmental Biotechnology  
 Biotechnology Law & Regulation  
 Molecular Basis of Plant Development  
 Advances in Pharmacogenomics  
 Advances in Molecular Genetics  
 Advances in Protein Chemistry  
 Advances in Bioinformatics  
 Biophysics  
 Advances in Fermentation Technology  
 Advances in Immunology  
 Metabolic Pathways in Plants  
 Regulation of Gene Expression  
 Molecular Evolution  
 Molecular Basis of Plant Breeding  
 Advances in Fungal Biotechnology  
 Advances in Microbiology  
 Advances in Microbial Genetics  
 Recent trends in Biochemical Engineering  
 Protein Engineering and Enzyme Technology  
 Bioremediation and biodegradation  
 Biotechnology of Nonrenewable Resources  
 Advances in Plant Biotechnology  
 Metabolic Engineering and Biofuels

Advances in Agriculture Biotechnology  
 Applications of Nanobiotechnology  
 Advances in Industrial Biotechnology  
 Advances in Animal Biotechnology  
 Advances in Biosensor Technologies  
 Forensic Sciences  
 Advances in Plant Tissue Culture  
 Advances in animal cell Culture  
 Medicinal Plant Biotechnology  
 Recombinant DNA Technology  
 Biopharming in Plants, Principles and Techniques  
 Advances in Proteomics  
 Advances in Genomics  
 Microbial Enzyme Technology  
 Biological Safety and Risk Management  
 Advances in Biochemistry  
 Cellular Signaling  
 Advances in Health Biotechnology  
 Advances in Vaccine Research  
 Molecular Systematics

## Semester 1

Core -1	3
Elective – 1**	3
Elective – 2**	3
Elective – 3**	3

## List of Core Courses

1. Modern Biotechnology: Principles & Applications
2. Applied Biostatistics

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# BS

## Biochemistry

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

FSc Pre-medical with minimum 45% marks

### Semester 1

Biochemistry I: Introductory Biochemistry	3
Classical Genetics	3
Introduction to Computer Science	3
Functional English	3
Mathematics - I	3
Islamic Studies/Ethics	2

### Semester 2

Biochemistry II: Carbohydrates and Lipids	3
Molecular Biology I: Introduction to Molecular Biology	3
Cell Biology	3
Mathematics II	3
English II: Communication skills	3
Pakistan Studies	2

### Semester 3

Biochemistry III: Protein and Nucleic Acid	3
Introduction to Biotechnology	3
Molecular Biology II: Gene Regulation	4
English III: Technical Writing & Presentation Skills	3
Nutritional Biochemistry	3

### Semester 4

Probability and Biostatistics	3
Recombinant DNA Techniques	4
Introduction to Cell Signaling	3
Biosafety and Bioethics	2
Social Entrepreneurship	3
Immunology	3

### Semester 5

Genomics, Transcriptomics and Proteomics	3
Research Methodology	2
General Microbiology	3
Cell and Tissue Culture	3
Plant Biochemistry	3
Human Physiology	3

### Semester 6

Bioinformatics	3
Enzymology	3
Toxicology	3
Metabolism	3
Entrepreneurship	3
Biofuels and Biorefineries	3

### Semester 7

Environmental Biochemistry	3
Biochemical Techniques	3
Clinical Biochemistry	3
Seminar	1
Final Year Project - I	3
Microbial Biochemistry and Biotechnology	3

### Semester 8

Stem Cell and Gene Therapy	3
Final Year Project - II	3
Biochemistry of Natural Products	3
Current Trends in Biochemistry	3
Nano-Biotechnology	3

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# BS

## Microbiology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

FSc Pre Medical/A level or Equivalent with minimum 45% marks

#### Semester 1

English - I: Functional English	3
Islamic Studies/Ethics	2
Mathematics - I	3
Introduction to Computers	3
Classical Genetics	3
Biochemistry - I: Basic Concepts of Biochemistry	3

#### Semester 2

English - II: Communication Skills	3
Pakistan Studies	2
Mathematics - II	3
Cell Biology	3
General Microbiology	3
Biochemistry - II: Oxidation of Biomolecules	3

#### Semester 3

English - III: Technical writing & Presentation skills	3
Molecular Biology - I: Introduction to Molecular Biology	4
Mycology	3
Introduction to Biotechnology	3
General Virology	3

#### Semester 4

Probability and Biostatistics	3
Molecular Biology - II: Gene Regulation	4
Immunology	3
Biosafety & Bioethics	2
General Clinical Bacteriology	3
Social Entrepreneurship	3

#### Semester 5

Genomics, Transcriptomics & Proteomics	3
Research Methodology	2
Food Microbiology	3
Microbial Taxonomy	3
Recombinant DNA Technology	4
Introduction to Cell Signaling	3

#### Semester 6

Bioinformatics	3
Techniques in Microbiology	3
Cell & Tissue Culture	3
Epidemiology, Public Health and Bioethics	3
Entrepreneurship	3

#### Semester 7

Medical Microbiology	3
Microbial Biotechnology & Vaccinology	3
Industrial Microbiology	3
Seminar	1
Final Year Project - I	3
Microbial Genetics	3

#### Semester 8

Molecular Mechanisms of Antimicrobial Therapeutic Agent	3
Nano-biotechnology	3
Environmental Microbiology	3
Final Year Project - II	3
Medical Virology	3

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# BS

## Biotechnology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

FSc Pre Medical/A level or Equivalent with minimum 45% marks

#### Semester 1

English-I (Functional English)	3
Islamic Studies/Ethics	2
Mathematics-I	3
Introduction to Computer Science	3
Classical Genetics	3
Biochemistry-I : Introduction to Biochemistry	3

#### Semester 2

English-II (Communication Skills)	3
Pakistan Studies	2
Mathematics-II	3
Molecular Biology	3
Introduction to Biotechnology	3
Biochemistry-II: Oxidation of Biomolecular	3

#### Semester 3

English-III (Technical Writing & Presentation Skills)	3
Probability & Biostatistics	3
Cell Biology	3
General Microbiology	3
Genetic Resources & Conservation	3
Bio-safety & Bioethics	3

#### Semester 4

Methods in Molecular Biology	3
Analytical Chemistry	3
Social Entrepreneurship	3
Introduction to Cell Signaling	3
Pharmaceutical Biotechnology	3
Immunology	3

#### Semester 5

Biological Diversity	2
Recombinant DNA technology	4
Industrial Biotechnology	3
Cell & Tissue Culture	3
Bioinformatics	3
Body Fluids and Function	3

#### Semester 6

Food Biotechnology	3
Microbial Biotechnology & Vaccinology	3
Agriculture Biotechnology	3
Entrepreneurship	3
Research methodology & Skill Enhancement	3

#### Semester 7

Seminar	1
Environment Biotechnology	3
Health Biotechnology	3
Genomics & proteomics	3
Stem Cell & Gene Therapy	3
Final Year Project-I	3

#### Semester 8

Animal Biotechnology	3
Fermentation Biotechnology	3
Biofuels and Bio refineries	3
Nano Biotechnology	3
Final Year Project-II	3

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# BS

## Mathematics

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

F.Sc Pre-Engineering or Intermediate with Mathematics having at least 40% marks

#### Semester 1

English-I	3
Calculus-I	3
Introduction to Computing	3
Accounting and Finance	3
Islamic Studies	2
Mechanics	3

#### Semester 2

Discrete Mathematics	3
English-II	3
Calculus-II	3
Pak Studies	2
Biology	3
Electricity and Magnetism	3

#### Semester 3

Linear Algebra	3
English-III	3
Calculus-III	3
Waves and Oscillation	3
Probability & Statistics	3
Ordinary Differential Equations	3

#### Semester 4

Computing Tools For Sciences	3
Numerical Analysis	3
Number Theory	3
Mathematical Methods of Physics	3
Group Theory	3
E-Commerce & Project Management	3

#### Semester 5

Topology	3
Complex Analysis	3
Real Analysis -I	3
Professional Ethics & Values	3
Ring Theory	3
Elective - I	3

#### Semester 6

Entrepreneurship	3
Real Analysis -II	3
Differential Geometry	3
Elective - II	3
Elective - III	3

#### Semester 7

Final Year Project - I	3
Partial Differential Equations	3
Graph Theory	3
Functional Analysis	3
Elective - IV	3

#### Semester 8

Final Year Project - II	3
Social Entrepreneurship	3
Foreign Language	3
Measure Theory	3
Modeling and Simulation	3

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# BS

## Physics

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

F.Sc Pre-Engineering with physics having at least 40% Marks

#### Semester 1

English-I	3
Calculus-I	3
Introduction to Computing	3
Mechanics	3
Lab-I (Mechanics, fluids)	1
Chemistry	3
Islamic Studies	2

#### Semester 2

English-II	3
Series and integral calculus	3
Electricity & Magnetism	3
Lab-II (Electricity and Magnetism)	1
Heat & Thermodynamics	3
Biology	3
Pakistan Studies	2

#### Semester 3

English-III	3
Differential Equations	3
Probability & Statistics	3
Waves & Oscillations+	3
Lab-III (Heat, waves and sound)	1
Modern Physics	3
Computational Physics	2

#### Semester 4

Computing Tools for Sciences	3
E-Commerce & Project Management	3
Mathematical Methods of Physics	3
Classical Mechanics	3
Optics	3
Lab-IV (Optics)	1

#### Semester 5

Quantum Mechanics	3
Electromagnetic Theory	3
Professional Ethics & Values	3
Electronics	3
Specialization Course-I	3
Lab-V (Electronics)	2

#### Semester 6

Entrepreneurship	3
Statistical Physics	3
Specialization Course -II	3
Specialization Course -III	3
Solid State Physics	3
Lab-VI (Modern Physics)	2

#### Semester 7

Nuclear Physics	3
Specialization Course-IV	3
Atomic & Molecular Physics	3
FYP-I	3
Research Methods	3

#### Semester 8

Foreign Language	3
Material Science	3
Experimental Techniques in Physics	3
FYP-II	3
Social Entrepreneurship	3

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# BS

## Chemistry

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

FSc/A level or Equivalent with minimum 45% marks

#### Semester 1

English - I: Functional English	3
Botany - I	3
Mathematics - I	3
Introduction to Computer	3
Inorganic Chemistry-I	4

#### Semester 2

English - II: Communication Skills	3
Islamic Studies	2
Mathematics - II	3
Probability and Statistics	3
Organic Chemistry-I	4
Principles of Animal Life-I	3

#### Semester 3

English - III: Technical Report Writing	3
Pakistan Studies	2
Biochemistry-I	3
Environmental Chemistry	3
Physical Chemistry-I	4
Mechanics	3

#### Semester 4

Social Entrepreneurship	3
General Microbiology	3
Analytical Chemistry-I	3
Industrial Chemistry	2
Biochemistry-II	4

#### Semester 5

Inorganic Chemistry-II	4
Organic Chemistry-II	4
Physical Chemistry-II	4
Analytical Chemistry-II	4
Biosafety and Ethics	2

#### Semester 6

Inorganic Chemistry-III	4
Organic Chemistry-III	4
Physical Chemistry-III	4
Entrepreneurship	3
Forensic Chemistry	3

#### Semester 7

Elective-I	3
Elective-II	3
Elective-III	3
Elective-IV	1
Elective-V	3
Final Year Project-I	3
Seminar	1

#### Semester 8

Elective-IV	3
Elective-V	3
Elective-VI	3
Elective-VII	1
Elective-VIII	3
Final Year Project-II	3

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# BS

## Forensic Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

FSc Pre Medical/A level or Equivalent with minimum 45% marks

### Semester 1

Biochemistry - I: Basic Concepts of Biochemistry	3
Classical Genetics	3
English I: Functional English	3
Introduction to Computer	3
Islamic Studies	2
Mathematics-I	3

### Semester 2

Cell Biology	3
Chemistry-I: Organic & Inorganic	3
English II: Communication Skills	3
Introduction to Forensic Science	4
Mathematics-II	3
Pakistan Studies	2

### Semester 3

Biosafety and Bioethics	2
Chemistry-II: Physical & Analytical	3
English III: Technical Writing & Presentation skills	3
Human Genetics	3
Probability and Biostatistics	3
Molecular Biology I : Introduction to Molecular Biology	4

### Semester 4

Basic Pharmacology	3
Human Physiology	3
Principles of Ballistics	4
Bioinformatics	3
Social Entrepreneurship	3

### Semester 5

Forensic DNA Typing	3
Forensic Toxicology	3
Fundamental Forensic Techniques	4
Research Methodology	2
Techniques in Molecular Biology	4

### Semester 6

Crime Scene Investigations	4
Forensic Analysis of Fingerprints & Writing	4
Forensic Psychology	3
Law of Evidence & Expert Witness	3
Entrepreneurship	3

### Semester 7

Cyber Crimes & Questioned Document Examination	3
Final Year Project - I	3
Principles of Digital Forensics	4
Seminar	1
Tools in Forensic Investigations	4

### Semester 8

Final Year Project - II	3
Forensic Analysis of Trace Evidence	4
Forensic Serology & DNA Analysis	4
Recent Advances in Forensic Science	3
Firearms & Toolmarks Analysis	3



# BS

## Nanoscience and Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

FSc /A level or Equivalent with minimum 45% marks

#### Semester 1

English-I	3
Islamic Studies	2
Mathematics-I	3
Introduction to Computer	3
Fundamentals of Nanotechnology	3
Analytical Chemistry	3

#### Semester 2

Pakistan Studies	2
Biostatistics	3
Inorganic Chemistry	3
Cell Biology	3
English-II	3
Fundamental Physics-I	3

#### Semester 3

Fundamental Physics-II	3
Physical Chemistry	3
Biology of Nanoscience	3
Material Sciences	3
Introduction to Physiology	3
English-III	3

#### Semester 4

Social Entrepreneurship	3
Biophotonics	3
Immunology and Medical Nanotechnology	3
Bio-safety & Bioethics	2
Nanomaterials	3
Quantum Mechanics for Nanoscience	3

#### Semester 5

Biomolecules in Nanotechnology	3
Nanocharacterization	3
Industrial Biotechnology	3
Cell & Tissue Culture	2
Bioinformatics	3
Biomechanics	3

#### Semester 6

Nanotoxicology and Ethics	3
Biomaterials	3
Body Fluids and Function	3
Trends in Nanoscience - Communication and Entrepreneurship	3
Research Methodology & Skill Enhancement	3
Nanosynthesis and Nanomaterials	3

#### Semester 7

Nano Biotechnology	3
Electronics	2
Seminar	2
Nanotherapeutics	3
Biochips and Micro Array	2
Final Year Project - I	3

#### Semester 8

Technical Project Management	3
Nano Biosensors	3
Final Year Project - II	3
Nanomedicine	3
Drug Delivery and Nanotechnology	3

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# BS

## Zoology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

#### i. Minimum Qualification:

FSc Pre Medical/A level or Equivalent Higher Secondary School certificate in Basic sciences/ relevant subjects

#### ii. Minimum Marks/CGPA:

FSc Pre Medical/A level or Equivalent with minimum 45% marks

### Semester 1

Animal Diversity: Invertebrates	4
Botany-I: Diversity of Plants	3
English-I: Functional English	3
Introduction to Computer	3
Mathematics-I	3
Pakistan Studies	2

### Semester 2

Animal Diversity: Chordates	4
Biotechnology	3
Botany-II: Development, Systematics, and Anatomy	3
English-II: Communication Skills	3
Islamic Studies	2
Sociology	2

### Semester 3

Animal Form and Function-I	4
Biosafety and Bioethics	2
Cell Biology	3
English-III: Technical Writing & Presentation skills	3
General Microbiology	3
Immunology	3

### Semester 4

Animal Behaviour	3
Animal Form and Function-II	4
Probability and Bio-statistics	3
Research Methodology	2
Social Entrepreneurship	3

### Semester 5

Biochemistry-I: Basic concepts of	3
Biochemistry	
Bioinformatics	3
Evolution	2
General Ecology	3
Physiology	4
Psychology	2

### Semester 6

Developmental Biology	4
Entrepreneurship	3
Genetics	4
Principles of Systematics	3
Wildlife	3

### Semester 7

Apiculture	3
Aquaculture	3
Biological Techniques	3
Final Year Project-I	3
Parasitology	3
Seminar	1

### Semester 8

Economic Zoology	3
Final Year Project-II	3
Fish Culture	3
Sericulture	3
Zoogeography and Paleontology	3

# BS

## Environmental Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

### Eligibility

FSc (Pre medical/pre engineering both are eligible)

#### Semester 1

Biology	3
Physical Education	3
Biomathematics	3
Introduction to Environmental Science	3
Environmental Microbiology	3
English - I	3

#### Semester 2

Introduction to Earth Science	3
Psychology	3
Islamic Studies	2
Biological Physics	3
Introduction to Computer	3
English - II	3

#### Semester 3

English - III	3
Visual Arts	3
Pakistan Studies	2
Environmental Chemistry	3
Animals and Environment	3
Environmental Pollution	3

#### Semester 4

Behavioral Science	3
Plants and Environments	3
Biostatistics	3
Environmental Law and Policies	2
Social Entrepreneurship	3
Occupational safety Health and Environment	3

#### Semester 5

Natural Resources Management	3
Research Methodology in Environment	3
Environmental Profile of Pakistan	3
Bioinformatics	3
Analytical Techniques in Environmental Science	3
Environment and Public Health	3

#### Semester 6

Environmental Economics and Sustainable Developments	3
GIS and Remote Sensing	3
Environmental Management Systems	3
Biodegradation and Bioremediation	3
Hydrological system and Environment	3
Entrepreneurship	3

#### Semester 7

Agro Ecology	3
Environmental Impact Assessment	3
Environmental Project Management	3
Ecotourism	3
Final Year Project - I	3

#### Semester 8

Environmental Governance	3
Disaster Risk Management	3
Pollution Control Technologies	3
Environmental Monitoring	3
Final Year Project - II	3

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**FACULTY OF  
ALLIED HEALTH SCIENCES**



## Dean's Message

The vision of Faculty of Allied Health Sciences at Superior University is to prepare outstanding allied health practitioners to become leaders in their respective fields as an entrepreneur, educator, clinician, and scholar, capable of competing and communicating unique independent research and practice that contributes to the advancement of their profession. We are committed to demonstrate the behaviours of the scholarly inclination by developing and utilizing the process of critical thinking and inquiry. We are also dedicated to influence the development human healthcare regulations and policies that are consistent with the needs of the patient and of society.

We are here to provide allied health sciences education of international standard with Islamic and ethical values. Our emphasis is on engaging faculty who are leading members in their field, to motivate, educate, and train students to excel in their chosen profession. We believe that this will enable our students to face challenges in the rapidly changing healthcare environment nationally and internationally.

At Superior University, it is imperative that we continue to foster and strengthen our research culture and create new multidisciplinary and interdisciplinary collaborations, so as to capitalize on the emerging challenges and opportunities; to further deepen our intellectual landscape and impact and to generate new knowledge with the aim of improving the overall quality of human life.

We are also in the process to establish linkages with national and international reputed academic and clinical global partners that will provide opportunities both for our students and faculty to have exposure of advance skills and knowledge in their respective fields.

The Superior student knows the art of healing, the science of actual healthcare and patient wellbeing through the best medical practitioners of its on-campus working teaching hospital **Chaudhry Muhammad Akram Teaching & Research Hospital (CMATRH)**.

We Faculty of Allied Health Sciences are committed to create your successful career pathway at the superior university to become the healthcare professional you always desired to be! In Sha Allah

**Prof. Dr. Muhammad Naveed Babur**



- Ph.D Food Science and Technology
- MS Rehabilitation Sciences
- MS Allied Health Sciences
- MS Nursing
- Doctor of Physical Therapy
- BS Medical Laboratory Sciences
- BS Medical Imaging Technology
- BS Human Nutrition and Dietetics
- BS Optometry
- BS Anesthesia Technology
- BS Operation Theater Technology
- BS Public Health
- BS Dental Technology
- BS Speech Language Pathology
- BS Sports Sciences and Physical Education
- BS Dental Hygiene
- BS Respiratory Therapy
- BS Aesthetic and Cosmetology
- BS Renal and Dialysis Technology
- BS Audiology
- BS Occupational Therapy
- BS Cardiac Perfusion
- BS Radiation Therapy Technology
- BS Emergency and Intensive Care Sciences
- BS Food Safety and Quality Management
- BS Food Science Technology
- BS Blood Transfusion Technology
- Bachelors of Science in Nursing (Post RN)
- BS Nursing Generic - 4 Years

Prof. Dr. Muhammad Naveed Babur	Ms. Shehnaz Fatima	Ms. Nowal Nasir	Mr. Muhammad Naeem
Dr. Rashida Parveen	Mr. Ali Tahir	Ms. Sumbal Sohail	Ms. Ayesha Saddiq
Dr. Saima Haider	Ms. Noor Ul Ain Shah	Ms. Sana Aslam	Ms. Sadia Noureen
Dr. Saleh Shah	Ms. Rehana Badar	Ms. Fakhira Parveen	Mr. Noshad Ali Sajid
Dr. Muhammad Adnan Hafeez	Mr. Hafiz Ayaz Ahmad	Ms. Sarah Ahmad	Ms. Maria Shoaib
Dr. Fizza Naseem	Mr. Talha Saleem	Ms. Rida Hajra	Ms. Kashmala Zareen
Dr. Sumbal Shahbaz	Mr. Shahram Tanveer	Ms. Fatima Arshad	Mr. Muhammad Hashim
Dr. Attia Razzaq	Ms. Shumaila Kausar	Dr. Aroosha Abrar	Ms. Rabia Raouf
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Dr Tayyaba Sami Ullah	Ms. Aroosa A Jalali	Ms. Kainat Khalid	Ms. Summaira Sultana
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Ms. Rubina Jabeen	Ms. Javairia Rafique	Mr. Jahanzaib Ahmad	Dr. Muhammad Osama
Mr. Ubaid Ullah Jan	Mr. Zafar Iqbal	Mr. Muhammad Naveed	Dr. Faryal Safdar
Ms. Fariha Ambreen Chaudhary	Mr. Zubair Sharif	Mr. Muhammad Umair Naseer	Ms. Huma Idrees
Mr. Sarmad Siddique	Ms. Saba Aziz	Mr. Syed Muhammad Ahsan Raza Zaidi	Dr. Muhammad Bin Zia
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Ms. Tabeen Irfan	Ms. Laamia Altuf	Ms. Sybil Rose	Ms. Sidra Iqbal
Dr. Wajeeha Mahmood	Ms. Khadeeja Nasir	Ms. Uttroba Shahid	Ms. Munaza Rubab
Dr. Rubab Naqvi	Ms. Hina Noor	Ms. Sakeena Nazim	Ms. Kousar Parveen
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Mr. Khuram Nasir	Ms. Haleema Ijaz	Ms. Amna Babar	Ms. Razia Begum
Mr. Azmat Tahira	Ms. Sadia Muhammad Din	Ms. Maryum Shafiq	Ms. Zunaira Amir
Ms. Tasra Bibi	Ms. Zohal Hassan	Ms. Fatima Mahrukh	Mr. Shahbaz Haider
Mr. Faisal Fayyaz	Mr. Rana Qadir Ul Hassan	Mr. Salman Ali Chaudhary	Ms. Sajida Batool
Ms. Amal Fiaz	Mr. Kashif Mehmood	Ms. Hiba Akram	Ms. Hijab Fatima
Ms. AFSHAN ARSHAD	Ms. Aroosa Manazir	Ms. Tehreem Fatima	Ms. Mehreen Sabir
Ms. Anam Junaid	Ms. Rafia Khan	Ms. Nazia Sattar	Ms. Zunaira Khadim
Ms. ANAM FARZAND	Ms. Iqra Zafar	Ms. Iram Riaz	Mr. Faisal Habib
Ms. Hifza Mobeen	Mr. Muhammad Umar	Ms. Azka Mubeen	Ms. Ayesha Khadim
Mr. Hamza Khalid	Ms. Urooj Khan	Mr. Raheel Siddique	Ms. Amber Sarfaraz
Mr. Rana M. Bakhtawar Khan Sajawal	Mr. Dilshad Ahmad	Ms. Ameena Qaiser Butt	Ms. Sabiha Sultan
Ms. Madiha Naheed	Mr. Habib ur Rehman	Ms. Zehwa Mazhar	
Ms. Fatima Ayub	Ms. Kiran Shakeel	Ms. Rimsha Rafique	
	Mr Ahmad Wassi	Ms. Maham Saleem	
	Ms Rida Mustafa	Mr. Kanwal Rafiq	
	Mr Muhammad Fawad	Mr. Awon Abbas Malik	
	Ms. Rabia Saeed		



# Ph.D

## Food Science and Technology

Course Duration	3 Years
Semesters	6
Total Credit Hours	48

### Eligibility

3.00/4.00 CGPA or 60% marks from an annual system in MS Food Science & Technology, MS Food Technology, MS Food and Nutrition, MS Food Safety and Quality Management, MS Food Service 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
Elective I	3

### Semester 2

Advanced In Food Packaging	3
Technology of Processed meat	3
Elective II	3

### Semester 3, 4, 5, & 6

Doctoral Thesis/ Dissertation	30
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### List of Elective Course

Processing Technology of fats and oils	
Processing of milk and milk products	
Dairy Processing	
Food carbohydrates chemistry and Technology	

# MS

## Rehabilitation Sciences

Course Duration	2 Years
Semesters	4
Total Credit Hours	30

### 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

Bio statistics, Research Methodology & Scientific Inquiry	3
Professional Practice & Ethics in Rehabilitation Sciences	2
Evidence Based Practice and Academic Writing in Rehabilitation Sciences	2
Differential Diagnosis & Clinical Decision Making	3
Disability and Rehabilitation	2

### Semester 2

Electives-I	3
Electives-II	3
Electives-III	3
Electives-IV	3

### Semester 3

Thesis	3
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### Semester 4

Thesis	3
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# MS

## Allied Health Sciences

Course Duration	2 Years
Semesters	4
Total Credit Hours	36

### 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

### Semester 2

Electives-I	3
Electives-II	3
Electives-III	3
Electives-IV	3

### Semester 3

Thesis	6
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### Semester 4

Thesis	6
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# MS

## NURSING

Course Duration	2 Years
Semesters	4
Total Credit Hours	45

### Eligibility

Eligibility Criteria:

Route-1:  
 Secondary School Certificate/Matric (Science Group)  
 03 Years General Nursing Diploma  
 01 Year Midwifery Diploma for female or any other Post Basic Specialty 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 1

Advance Concept in Health Assessment	2
Advance Concept in Pathophysiology	2
Advance Concept in Nursing Theories	2
Nursing Research	3
Advance Pharmacology	3

### Semester 2

Advance Concept in Community and Public Health	3
Clinical Pharmacology	2
Advance Concept in Clinical Care	3
Advance Concept in Biostatistics	3
Ethics in health Care	1

### Semester 3

Educational Design and Administration	2
Leadership and Management in Nursing Practice	2
• Elective-I	6
• Elective-II	
• Elective-III	
• Elective-IV	
• Elective-VI	
Thesis-I	2

### Semester 4

Thesis-II	7
Scholarly Writing	2

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# Doctor of Physical Therapy

Course Duration	5 Years
Semesters	10
Total Credit Hours	182

## Eligibility

Minimum 60% marks with FSC pre- medical and 60 % marks in university admission test

### Semester 1

English-I (Functional English)	3
Sociology	3
Biostatistics	3
Biochemistry	3
Medical Physics	3
Pakistan Studies	3

### Semester 2

English-II (Communication Skills)	3
Behavioral Sciences (Psychology & Psychiatry)	3
Community medicine & Rehabilitation	3
Biochemistry II	3
Islamic Studies / Ethics	3
Introduction to Computer	3

### Semester 3

English-III (Technical Writing & Presentation Skills)	3
Health & Wellness	3
Professional Practice (laws , ethics & administration)	3
Anatomy-I	3
Physiology-I	3
Kinesiology-I	3

### Semester 4

Anatomy-II	3
Physiology-II	3
Kinesiology-II	3
Physical Agents & Electrotherapy-I	3
Therapeutic Exercises & Techniques	3
Social Enterprenuership	3

### Semester 5

Anatomy-III	3
Physiology-III	3
Biomechanics & Ergonomics-I	3
Physical Agents & Electrotherapy-II	3
Molecular Biology & Genetics	3
Supervised Clinical Practice-I	3

### Semester 6

Anatomy-IV (Neuro-anatomy)	3
Biomechanics & Ergonomics-II	3
Exercise Physiology	3
Manual Therapy	3
Pharmacology & Therapeutics I	3
Supervised Clinical Practice-II	3

### Semester 7

Pathology & Microbiology-I	3
Radiology & Diagnostic Imaging	3
Medicine-I	3
Surgery-I	3
Musculoskeletal Physical Therapy	3
Supervised Clinical Practice-III	3

### Semester 8

Pathology & Microbiology-II	3
Medicine-II	3
Surgery-II	3
Research Methodology & Evidence Based	3
Practice I	3
Supervised Clinical Practice-IV	3
Health Care Entrepreneurship	3

### Semester 9

Neurological Physical Therapy	3
Emergency Procedures & Primary Care in Physical Therapy	3
Cardiopulmonary Physical Therapy	3
Research Methodology & Evidence Based Practice II	2
Prosthetics & Orthotics	2
Supervised Clinical Practice-V	3
Sports Physical Therapy	2

### Semester 10

Gynaecology and Obstetrics Physical Therapy	2
Gerontology & Geriatric Physical Therapy	2
Clinical Decision Making & Differential Diagnosis	3
Paediatric Physical Therapy	2
Integumentary Physical Therapy	2
Supervised Clinical Practice-VI	3
Research Project	6

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# BS

## Medical Laboratory Sciences

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

FSc (Pre-Medical) or Equivalent with minimum 45% marks.

### Semester 1

Anatomy-I	3
Biochemistry-I	3
Physiology-I	3
Clinical Pharmacology	3
Functional English	3

### Semester 2

Anatomy-II	3
Biochemistry-II	3
Physiology-II	3
Communication Skills	3
Introduction to Computer	3
Islamic Studies	2

### Semester 3

Blood Banking	3
Lab Biosafety and Management	3
General Pathology	3
Pakistan Studies	2
Clinical Pathology	3
Immunology and Serology-I	3

### Semester 4

Cell Biology	3
Medical Lab Instrumentation	3
Basic Hematology	3
Immunology and Serology-II	3
Endocrinology	3
Social Entrepreneurship	3

### Semester 5

Medical Microbiology-I	3
Mycology	3
Probability and Biostatistics	3
Advanced Hematology	3
Cytology and histopathology	3
Chemical Pathology-I	3

### Semester 6

Medical Microbiology-II	3
Parasitology	3
Seminar	1
Healthcare Entrepreneurship	3
Chemical Pathology-II	3
Research Methodology	3

### Semester 7

Medical Ethics	3
Clinical Lab Rotations - Chemical Analysis	3
Basic Histotechniques	3
Molecular Biology and Genetics-I	3
Clinical Lab Rotations - Microbiology and Histopathology	3

### Semester 8

Research Project	6
Advanced Histotechnique	3
Forensic Criminology	3
Molecular Biology and Genetics-II	3

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# BS

## Medical Imaging Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

FSc (Pre-Medical) or Equivalent with minimum 45% marks.

### Semester 1

Anatomy I	4
Biochemistry	3
Islamic Studies	2
Medical Ethics	2
Physiology I	4

### Semester 2

Physiology II	4
Anatomy II	4
Embryology	3
Pakistan Studies	2
Functional English	3

### Semester 3

Regional and Imaging Anatomy	3
Pathology I	3
Clinical Pharmacology	3
Communication skills	3
Radiation Sciences	3
Sonographic Physics and Instrumentation	3

### Semester 4

General Radiology	3
Gynecological Ultrasound	3
Computing in Medical Imaging	2
Pathology II	3
Abdominal Ultrasound	3
Social Entrepreneurship	3

### Semester 5

Applied Medicine	3
Obstetrical Ultrasound I	3
Mammography and Special Radiological Techniques	3
Small Parts Ultrasound	3
Applied Surgery	3
Computed Tomography	2

### Semester 6

Biostatistics and Research Methodology	2
Patient Care	2
Magnetic Resonance Imaging Physics and Instrumentation	2
Musculoskeletal Ultrasound	3
Vascular Ultrasound	3
Healthcare Entrepreneurship	3
Obstetrical Ultrasound II	3

### Semester 7

Magnetic Resonance Imaging: Clinical Applications	3
Research Project	6
Interventional Radiology & Angiography	3
Echocardiography	3
Nuclear Medicine	3

### Semester 8

Practical Mammography & Special Radiological Techniques	2
Practical Magnetic Resonance Imaging	3
Practical General and Vascular Ultrasound	2
Practical Computed Tomography	3
Practical Nuclear Medicine	2
Practical Interventional Radiology and Angiography	3

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# BS

## Human Nutrition and Dietetics

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

FSc (Pre-Medical) or Equivalent with minimum 45% marks.

### Semester 1

Functional English	3
Introduction to Computer	3
Anatomy	3
Physiology - I	3
Principles of Food Science	3

### Semester 2

English II	3
Introduction to Biochemistry	3
Fundamentals of Human Nutrition	3
Physiology - II	3
General Pathology	3
Islamic Studies	2

### Semester 3

Micronutrients in Human Nutrition	3
Mathematics	3
Pakistan Studies	2
English III	3
Food Microbiology	3
Food Safety and Quality Management	3

### Semester 4

Probability & Biostatistics	3
Nutrition Deficiency Disorders	3
Assessment of Nutritional Status	3
Functional Foods and Nutraceuticals	3
Food Analysis	3
Social Entrepreneurship	3

### Semester 5

Nutrition Through The Life Cycle	3
Meal Planning & Management	3
Nutrition and Psychology	3
Food & Drug Laws	3
Nutritional Education and Awareness	3
Dietetics - I	3

### Semester 6

Public Health Nutrition	3
Dietetics - II	3
Infant and Young Child Feeding	3
Clinical Biochemistry	3
Research Methodology	3
Healthcare Entrepreneurship	3

### Semester 7

Sports Nutrition	3
Global Food Issues	3
Nutrition Policies and Programs	3
Nutritional Practices in Clinical Care	3
Food Toxins & Allergens	3

### Semester 8

Research Project	6
Nutrition Epidemiology	3
Food Service Management	3
Nutrition Care in Emergencies Cases	3

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# BS

## Optometry

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

### Eligibility

F.Sc (Pre-Medical) or equivalent with minimum 45% marks

#### Semester 1

General Anatomy	3
General Physiology	3
Biochemistry	3
General Pathology	3
English I	3
Physical Education	3

#### Semester 2

Computer Education	3
English II	3
Islamic Studies	3
Pakistan Studies	3
Psychology	3
General Pharmacology	3

#### Semester 3

English III	3
Visual Arts	3
Neuro Anatomy & Physiology	3
Ocular Anatomy	3
Ocular Physiology	3

#### Semester 4

Ocular Microbiology	3
Inclusive Eye Health Module I	2
Anterior Segment Eye Disease	3
Ocular Therapeutics	3
Biostatistics	3
Social Entrepreneurship	3

#### Semester 5

Physical & Geometric Optics	3
Basic Clinical Skills in Ocular Examination	3
Inclusive Eye Health Module II	2
Posterior Segment Eye Diseases	3
Clinical Refraction	3
Practicum - I (OPD, WARD, OT)	2

#### Semester 6

Visual and Physiological Optics	3
Low Vision I ( Clinical Assessment & Management)	3
Health-Care Entrepreneurship	3
Dispensing Optics	3
Contact Lens I	3
Practicum - II (OPD, WARD, OT)	2

#### Semester 7

Instrumental Optics	3
Clinical Orthoptics (Ocular Motility and BSV)	3
Public Health and Community Optometry	2
Contact Lens II	3
Low Vision II (Advance Management & Rehab)	3
Research Methodolgy & Synopsis Writing	3

#### Semester 8

Clinical Optometry & Orthoptic Procedure	3
Leadership and Practice Management Skills	2
Clinical Rotation I	3
Clinical Rotation II	3
Research Project	6

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# BS

## Anesthesia Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks.

### Semester 1

Functional English	3
Mathematics	3
Anatomy - I	3
Introductory Physiology	3
Biochemistry - I	3

### Semester 2

Biochemistry - II	3
Introduction to Computing	3
Communication & Writing Skills	3
Islamiyat	3
Anatomy - II	3
Advanced Physiology	3

### Semester 3

Clinical Pharmacology - I	3
General Pathology	3
Anesthesia Equipment & Physics Related to Anesthesia	3
Pakistan Studies	3
Surgical Instruments, Supplies and Equipment	3
First Aid, BLS and ACLS	2

### Semester 4

Perioperative Patientcare	3
Infection Control	3
Clinical Pharmacology - II	3
Systemic Pathology	3
Preoperative Assessment and Patient-Monitoring	3
Social Entrepreneurship	3

### Semester 5

Epidemiology & Biostatistics	3
Anesthesia for Obstetric & Urogenital Surgery	3
General and Regional Anesthesia and Nerve Blocks	3
Physiology Related to Anesthesia	2
Pharmacology Related to Anesthesia	2
Medical Ethics	2
Clinical Rotation-I (Gynecological and Obstetric Surgery)	2

### Semester 6

Anesthesia for Neuro-surgery, Geriatric & Obese Patients	2
Healthcare Entrepreneurship	3
Ambulatory and Outpatient Anesthesia & Post Anesthesia Care Unit	2
Anesthesia for Pediatric & Orthopedic Surgery	3
Research Methodology	3
Clinical Rotation II (Pediatric & orthopedic Surgery)	2

### Semester 7

Anesthesia for Cardiothoracic and Vascular Surgery	3
Anesthesia for General, Ophthalmic and Otorhinolaryngologic Surgery	2
Anesthesia for Emergency and Traumasurgery	2
Intensive Care Management	3
Clinical Rotation – III (General surgery & Emergency surgery)	6

### Semester 8

Chronic Pain Management	3
Complications Related to Anesthesia	2
Clinical Rotation – IV (Cardiothoracic Surgery & Intensive Care Unit)	6
Research Project	6

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# BS

## Operation Theatre Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	135

### Eligibility

F.Sc (Pre-Medical) or equivalent with minimum 45% marks

### Semester 1

Mathematics	3
Islamic Studies	2
Introduction to Computing	3
Introductory Physiology	3
Biochemistry - I	3
Functional English	3

### Semester 2

Communication & Writing Skills	3
Biochemistry - II	3
Applied Physiology	3
Introductory Anatomy	3
General Pathology	3

### Semester 3

Systemic Pathology	3
Systemic Anatomy	3
Basic Epidemiology	3
Operating Room Design & Environment	3
Pakistan Studies	2
Technical Writing and Presentation Skills	3

### Semester 4

Medical Microbiology	2
Patient Care	2
General Pharmacology	3
Medical Ethics	2
Operation Room Techniques	3
Surgical Instrumentation and Equipments	3
Social Entrepreneurship	3

### Semester 5

General Medicine	3
Medical Equipment Handling	3
Basic Nursing Skills	2
Central Sterile Service and Supply Department	3
Decontamination and Disinfection	2
Sterilization	3

### Semester 6

Infection Control	3
Health-Care Entrepreneurship	3
Introduction to Anesthesia and Techniques	3
Fundamentals of Emergency Medical Care	3
Biostatistics	3
Diagnostic Radiology	3

### Semester 7

Research Methodology	2
General Surgery	3
Paediatric Surgeries	3
Genitourinary Surgeries	3
Medical Surgical Skills	3
Practice in OT Technology - I	4

### Semester 8

Research Project	6
Ophthalmic Surgery	3
Orthopedic Surgery	3
Practice in OT Technology - II	4

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# BS

## Public Health

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

Intermediate or equivalent with minimum 45% marks

#### Semester 1

English I	3
Sociology of Health and Diseases	3
Life Sciences Biology	3
Introduction to Computer	3
Mathematics	3

#### Semester 2

Islamic Studies	2
Principles of Psychology	3
Medical Anthropology	3
English II	3
Personal Hygiene	3
Basic Statistics	3

#### Semester 3

Basic Computer Skills	3
Pakistan studies	2
Population Dynamics	3
Primary Health Care	3
Concept of Health and Disease	3
English III	3

#### Semester 4

Entomology	3
Professional Ethics	3
Basic Epidemiology	3
Health Promotion, Advocacy & Social Mobilization	3
Social Entrepreneurship	3
Basic Biostatistics	3

#### Semester 5

Community Nutrition	3
Community Pediatrics	3
Fundamental Principles of Infectious Disease	3
Non-Communicable Disease	3
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
Health Professional Education	3
Health-Care Entrepreneurship	3

#### Semester 7

Mental Health	3
Health Marketing	3
Research methodology	3
Health Economics	3
Quality Management in Health Care	3

#### Semester 8

Microbiology	3
School Health	2
Parasitology	3
Sports Medicine	3
Research Project	6

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# BS

## Dental Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

FSc (Pre-Medical) or Equivalent

#### Semester 1

Anatomy I	3
Physiology I	3
Oral Biology I	3
Islamic Studies	3
English I	3

#### Semester 3

Dental Materials I	3
Healthcare Psychology	3
Dental radiology	3
General pathology	3
Introduction to computers	3

#### Semester 5

Introduction To Dental Laboratory	3
Removable Prosthodontics - I (Partial Denture)	3
Community and Preventive Dentistry	3
Fundamentals Of Infection Control	3
Orthodontics – I	3
Gnathological Concepts	3

#### Semester 7

Community Dental Health	3
Fixed Prosthodontics –I (Crown)	4
Maxillofacial Prosthodontics	3
Research Project - I	3
Seminar	3

#### Semester 2

Anatomy II	3
Physiology II	3
Oral Biology II	3
Pakistan Studies	3
English II	3

#### Semester 4

Periodontology I	3
Dental Materials II	3
Dental Morphology	3
Oral Pathology	3
Community Awareness	3
Elective	3

#### Semester 6

Orthodontics – II	3
Removable Prosthodontics - II (Complete Denture)	4
Medical Emergencies In Dental Practice/ Laboratory	3
Removable Prosthodontics - III (Cast Partial Denture)	4
Dental Esthetics ( Ceramics)	3

#### Semester 8

Fundamental of Implant Prosthodontics	3
Fixed Prosthodontics – II (Bridge)	4
Laboratory Management	3
Research Project – II	3
Elective II	3

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# BS

## Speech and Language Pathology

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

F.Sc. Pre- Medical or equivalent with minimum 45% Marks

### Semester 1

Functional English	3
Introduction to Computing	3
Introductory Physiology	3
Biochemistry-I	3
Introductory Anatomy	3

### Semester 2

Medical Sociology (Counseling & Behavior)	3
Child Development	3
Introduction to Speech-Language Pathology	3
Communication & Writing Skills	3
Pak Studies	2
Islamic Studies	2

### Semester 3

Pathology (General & systemic)	3
Linguistics & phonological -Theory, Development and Clinical Application.	3
General Pharmacology and Rehabilitation	6
Technical Writing and Presentation Skills	6
Introduction to Audiology	3

### Semester 4

Speech and Hearing Disorders	3
Community Based Rehabilitation	3
Behavioral Sciences	3
Stuttering/ Stammering	3
Neuro Physiology and Anatomy of Speech & Hearing	3
Clinical Medical Studies (Neurology and Peds)	3

### Semester 5

Motor Speech Disorders	3
Diagnostics and Clinical Decision Making	3
General Surgery	3
Adult Communication Disorders and Theories of Counseling	3
Biostatistics	3

### Semester 6

Entrepreneurship in Health care	3
Voice Disorders	3
Developmental Language Disorders	3
Articulation and Phonological Disorders	3
Persistent Childhood Speech, Language and Communication Disorders	3
Research Methodology	3

### Semester 7

Medical Ethics and professional practice	3
Dysphagia and adult Acquired Aphasia	3
Audiology & Aural Rehabilitation	3
Augmentative and Alternative Communication	3
Supervised Clinical Practice-I	4

### Semester 8

Research Project	4
Supervised Clinical Practice-II	6
Evidence based Practice in Rehabilitation	3
Advance fluency disorders in children and Adults.	3

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# BS

## Sports Sciences and Physical Education

Course Duration	4 Years
Semesters	8
Total Credit Hours	128

### Eligibility

Intermediate or equivalent

#### Semester 1

Functional English	3
Philosophy Basis of Physical Education	3
Fundamentals of Physics	3
Islamic Studies	2
Mathematics-I	3
Introduction to Games	2

#### Semester 2

English-II	3
Biochemistry	3
Critical Thinking & Reasoning	3
Basic of Human Anatomy	3
Football skills, Rules, Officiating and Measurement	3

#### Semester 3

English-III	3
Sports Sociology	3
Talent Identification in Sports	3
Sports Biomechanics	3
Basketball skills, Rules, Officiating and Measurement	3

#### Semester 4

Social Entrepreneurship	3
Introduction to Computer	3
Pakistan Studies	2
Administration and Management in Sports	3
Basics of Human Physiology	3
Badminton skills, rules, officiating and measurement	3

#### Semester 5

Science of Sports Training	3
Track events: Sprint, Middle and Long	3
Distance Races Skills, Rules and Officiating	
Physical Education for Special Population	3
Sports Nutrition	3
Introduction of Statistics	3

#### Semester 6

Healthcare Entrepreneurship	3
Research Methodology in Physical Education	3
Planning Sports Facilities	3
Test, Measurement & Evaluation in Physical Education & Sports	3
Sports Psychology	3
Field Events: Throws & Jumps Skills, Rules and Athletic Officiating	3

#### Semester 7

Trauma & Rehabilitation	3
Exercise Physiology	3
Sports Medicine	3
Scientific Sports Coaching	3
Research Proposal	2
Physical fitness and Physical Efficiency Tests	3

#### Semester 8

Gymnastic Skills and Officiating	3
Curriculum Development in Physical Education	3
Adapted Physical Education	3
Table Tennis Skills, Rules and Officiating	3
Research Project	3

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# BS

## Dental Hygiene

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

FSc (Pre-Medical) or equivalent.

#### Semester 1

Anatomy I	3
Physiology I	3
Oral Biology I	3
Islamic Studies	3
English I	3

#### Semester 3

Dental Materials I	3
Healthcare Psychology	3
Dental Radiology	3
General Pathology	3
Introduction to Computers	3

#### Semester 5

Periodontology II	3
Preventive dentistry I	3
Infection control (preventive dentistry)	3
Orthodontics	3
Oral medicine	3
Dental pharmacology	3

#### Semester 7

Paedodontics	3
Clinical practice II	3
Prosthodontics	3
Community dental health	3
Community dentistry	3
Research project	3

#### Semester 2

Anatomy II	3
Physiology II	3
Oral Biology II	3
Pakistan Studies	3
English II	3

#### Semester 4

Dental hygiene (Periodontology)	3
Dental Materials II	3
Dental morphology	3
Oral pathology	3
Community awareness	3
Elective	3

#### Semester 6

Preventive dentistry II	3
Dental pain management (oral medicine)	3
Dental instrumentation (periodontology)	3
Medical emergencies in dental practice/ laboratory	3
Community dentistry I	3
Clinical practice I	3

#### Semester 8

Dental materials III	3
Dental aesthetics	3
Research project III	3
Integrated clinical rotation III	3
Elective II	3

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# BS

## Respiratory Therapy

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks

### Semester 1

Islamic Studies /Ethics	2
English-I (Reading & Writing Skills)	3
Physiology-I	3
Introduction to Information & Communication Technologies	2
Biochemistry	3
Human Anatomy-I	3

### Semester 2

Physiology II	3
Anatomy II	3
Pakistan Studies	2
English-II (Communication Skills)	3
Medical Sociology	3
Cardio-Pulmonary Physiology	3

### Semester 3

English-III (Technical Writing & Presentation Skills)	3
Respiratory Therapy-I	3
Haematology-I	3
Pathology General	3
Medical Microbiology	3

### Semester 4

Inteoduction to Cardio Respiratory Techniques	2
General Surgery-I	3
General Medicine-I	3
General Respiratory Care	3
Social Entrepreneurship	3
Behavioral Sciences	3

### Semester 5

Respiratory Therapy-II	3
Advances in Respiratory Therapy and Intensive Care	3
Trauma Intensive Care	3
Anesthesia Equipment	3
Burns & Toxicology	3
Critical Care Laboratory Diagnostics	3

### Semester 6

Drugs Related to Intensive Care and Respiratory Therapy	4
Neonatal & Pediatric Critical Care	3
Cardiovascular Emergency	3
Surgical Intensive Care	3
Healthcare Entrepreneurship	3
Intensive Care Monitoring-II	2

### Semester 7

Recognition and Management of Organ Failure	3
Geriatric Respiratory Care	3
Fundamentals of Infection Control	3
Supervised Clinical Practice-I	3
Pediatric Obstetrical Critical Care-I	3
Pulmonary Ventilation	2

### Semester 8

Intense Care Management	4
Respiratory Therapy Techniques	3
Research Methodology	3
Bioethics	2
Research Project	6

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# BS

## Aesthetic and Cosmetology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks.

#### Semester 1

General Anatomy	3
General Physiology	3
Biochemistry	3
Fundamentals of Skincare	4
Islamic Studies	2

#### Semester 2

General Pathology	3
Facial Anatomy	3
Basic Instrumentation of Aesthetics	3
Physiology of Aging	3
Pakistan Studies	2
Functional English	3

#### Semester 3

Electronic Therapies	3
Laser Treatments and Basic Aesthetics	3
Nutrition Sciences	3
Medical Ethics	2
Computer Education	3
Communication Skills	3

#### Semester 4

Chemical Peels & Rejuvenation	3
Fillers and Injectables	3
Clinical Pharmacology	3
Advanced Skincare	3
Social Entrepreneurship	3
Patient Psychology	3

#### Semester 5

Patient Care	3
Aesthetic Consultation	3
Dental Aesthetics	4
Therapeutic Aesthetics	4
Cosmetic Sciences	3

#### Semester 6

Business Operations	2
Perfumery	2
Advances in Aesthetic Procedures	3
Healthcare Entrepreneurship	3
Antiaging Treatments	3
Cosmetic Science II	3
Biostatistics and Research Methodology	2

#### Semester 7

Inflammatory Skin Diseases and Common Product Reactions	2
Practical Basic Aesthetics	3
Body Sculpting	3
Regulation & Legislation of Cosmetic Products	2
Practical Beauty Treatments	3
Practical Hair Treatments	3

#### Semester 8

Research Project	6
Practical Advanced Aesthetics	3
Practical Laser Treatments	3
Practical Dental Aesthetics	3

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# BS

## Renal and Dialysis Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks

### Semester 1

Medical Biochemistry-I	3
Human Physiology-I	3
Human Anatomy-I	3
English	3
Islamic Studies	2
Pakistan Studies	2

### Semester 2

Medical Biochemistry-II	3
Human Physiology-II	3
Human Anatomy-II	3
Introduction to Computer Skills	3
Communication Skill	3
General Pharmacology	3

### Semester 3

Hematology-I	3
Medical Microbiology-I	3
General Pathology	3
Anatomy and Physiology of Kidney	3
Body Fluids & Transfusion of Blood Products	3

### Semester 4

Social Entrepreneurship	3
Medical Microbiology-II	3
Special Pathology of Kidney-I	3
Principle and Procedure of Dialysis	3
Hematology-II	3

### Semester 5

Acute Complication of Dialysis	3
Vascular Access & Hemodialysis Procedure	3
Specialized Dialysis	3
Complication of Peritoneal Dialysis	3
Special Pathology of Kidney-II	3
Leadership and Management	3

### Semester 6

Chronic Complication of Dialysis	3
Dialysis Adequacy	3
Urological Procedure-I	3
Renal Pharmacology	3
Dialysis in Special Situation	3
Healthcare Entrepreneurship	3

### Semester 7

Urological Procedure-II	3
Infection Control in Dialysis Unit	4
Research Methodology	3
Clinical Lab Rotation	6

### Semester 8

Medical Ethics	3
Nutrition and Diet Therapy	3
Renal Emergency	3
Research Project	6

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# BS

## Audiology

Course Duration	4 Years
Semesters	8
Total Credit Hours	132

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks.

#### Semester 1

English 1	3
Anatomy -I	3
Physiology -I	3
Behavioral Sciences	2
Pakistan Study	2
Introduction to Audiology-I	3

#### Semester 2

English II	3
Physiology -II	3
Anatomy -II	3
Islamic Studies	2
Introduction to Audiology-II	3
General pathology	3

#### Semester 3

Medical Sociology	3
Acoustics	3
Anatomical & Physiological Basic of Speech, Hearing & Balance	3
Basic Electronic & Audiological Instrumentation-1	3
Introduction. To Audiology. III	3
Bio Chemistry	3

#### Semester 4

Social entrepreneurship	3
Medical Audiology	3
Pediatrics Audiology	3
Basic Electronics & Audiological Instruction- II	3
Pharmacological Aspects in Audiology	3
Bio Ethics.	3

#### Semester 5

Diagnostic Audiology-I	3
Amplification & Assistive Devices for the Hearing Impaired-I	3
Rehabilitative and educational Clinical Audiology-I	3
Biostatistics	3
Audiology Practice Management	3

#### Semester 6

Diagnostic Audiology-II	3
Amplification & Assistive Devices for the Hearing Impaired-II	3
Rehabilitative and educational Clinical Audiology-II	3
Research Methodology	3
Health care entrepreneurship	3

#### Semester 7

Clinical Audiology Internship-I	3
Hands on Training in Audiology Rotations to Audiology Clinics-1	6
Hands on Training in Audiology Rotations to Audiology Clinics-II	6
Hands on Advance Training in Audiology	3

#### Semester 8

Clinical Audiology Internship-II	3
Project related to Specialty of Interest	3
Hands on Training in Audiology & Research	3
Project Report	6

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# BS

## Occupational Therapy

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

F.Sc (Pre-medical) or Equivalent with minimum 50% marks.

### Semester 1

Introduction to Occupational Therapy	3
Physiology-I	3
Anatomy-I	3
Physiology-II	3
English-I	3
Computer Education	3
Islamiyat/Ethics	2

### Semester 2

Basic Pathology	3
Anatomy-II	3
Physiology-II	3
English-II	3
Basic Therapeutic Activities	3
Pakistan Studies	2

### Semester 3

Clinical Psychology	3
Kinesiology	3
Muscle Testing	3
Developmental Pediatrics	3
Occupational Therapy in Psychiatry	3
English-III	3

### Semester 4

Assessment and Evaluation in Occupational Therapy	2
Biomechanics & Ergonomics	3
Medical Sociology	2
Social Entrepreneurship	3
Pharmacology in Rehabilitation	2
Occupational Therapy in Mental Health	3

### Semester 5

General Surgery	3
Occupational Therapy & Theory in Musculoskeletal	3
Occupational Therapy & Theory in Neurology	3
Medicine	3
Biochemistry & Genetics	2
Supervised Clinical Practice-I	3

### Semester 6

Medical Bioengineering	2
Health Care Entrepreneurship	3
Specialized Surgery	3
Administration and Management in Occupational Therapy	3
Evidence-Based Practice in Rehabilitation	3
Supervised Clinical Practice-II	3

### Semester 7

Prosthetics and Orthotics	3
Occupational Theory & Therapy in Pediatrics	3
Research Methodology	3
Biostatistics	3
Community Medicine	2
Supervised Clinical Practice-III	3

### Semester 8

Occupational Therapy in Rehabilitation	3
Therapeutic Use of Occupations/Activities	3
Occupational Therapy in Geriatrics & Gerontology	3
Research Project	6
Supervised Clinical Practice-IV	3

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# BS

## Cardiac Perfusion

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

FSc (Pre Medical) or Equivalent with minimum 45% marks.

### Semester 1

Anatomy-I	4
Physiology-I	4
Biochemistry-I	3
Computer Education	2
Islamic Studies	2
English-I	3

### Semester 2

Anatomy-II	3
Physiology-II	3
Biochemistry-II	2
Medical Physics	2
English-II	3
Pakistan Studies	2

### Semester 3

Pathology	3
Bio Mechanics	3
Pharmacology	3
Mechanical Engineering	3
Mathematics	2
Medical Ethics	2

### Semester 4

Perfusion Technology-I	4
Management of the CPB Perfusion	3
Blood Gases and Blood Conservation	2
Solutions and Hemodilution Myocardial Perfusion	3
Microbiology	2
Social Entrepreneurship	3

### Semester 5

Life Support System	3
Perfusion Technology-II	3
Cardiac Pharmacology and Clinical Practice in Cardiology	2
Extracorporeal Circuitry and Laboratory	2
Applied Medicine	3
Applied Surgery	3

### Semester 6

Advances in Perfusion Technology	3
Healthcare Entrepreneurship	3
Perfusion Technology and Adult Perfusion	3
Biotechnology	2
Paeds Perfusion/Accidents	3
Patient Care	2
Biostatistics Research Methodology	2

### Semester 7

Practical Perfusion Technology and Adult Perfusion	3
Practical Performing of CPB Perfusion	3
Practical Cardiac CATH Lab-I and Clinical Practice	3
Cardiac Physiology and Clinical Practice on ECG	3
Public and Preventive Health	3

### Semester 8

Practical Cardiac CATH Lab-II and Clinical Practice	3
Practical Paeds Perfusions and Accidents	3
Bioethics	3
Research Project	6

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# BS

## Radiation Therapy Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	133

### Eligibility

12 year of Education, Higher secondary school certificate/ Intermediate- F. Sc. Pre-Medical or equivalent

### Semester 1

Islamiyat	2
Medical Ethics	2
Anatomy I	4
Biochemistry	3
Physiology I	4

### Semester 2

Functional English	3
Embryology	3
Anatomy II	4
Physiology II	4
Pakistan Studies	2

### Semester 3

Communication and Writing Skills	3
Clinical Pharmacology	3
Pathology I	3
Introduction to Oncology and Radiotherapy	3
Regional and Imaging Anatomy	3
Basic Radiation Physics	3

### Semester 4

Social Entrepreneurship	3
Pathology II	3
Imaging Principles and Analysis in Radiation Therapy	3
Radiation Therapy Planning Concepts	3
Radiation Techniques and Equipment	3
Radiation Protection	3

### Semester 5

Quality Assurance in Radiotherapy	2
Quality Management in Radiation Oncology	2
Dosimetry I	3
Clinical Oncology I	3
Clinical Radiation Generators	3
Patientcare	2

### Semester 6

Radiobiology	3
Dosimetry II	3
Clinical Oncology II	3
Radiopharmaceuticals	3
Healthcare Entrepreneurship	3
Research Methodology and Biostatistics	3

### Semester 7

Applied Radiation Management I	3
Nuclear Medicine	3
Radiotherapy Treatment Delivery	3
Clinical Rotation I	6

### Semester 8

Research Project	6
Applied Radiation Management II	3
Cancer Management	3
Clinical Rotation II	6

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# BS

## Emergency and Intensive Care Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	134

### Eligibility

12 year of Education, Higher secondary school certificate/ Intermediate- F. Sc. Pre-Medical or equivalent

### Semester 1

General anatomy	3
General physiology	4
Biochemistry	3
Functional English	3
Islamic studies	2

### Semester 2

Biosafety-Patient and instrument safety	3
Communication skills	3
Medical Ethics	3
Clinical Psychology	3
Pakistan studies	2
General Pathology	3

### Semester 3

Clinical Pharmacology	3
Clinical Microbiology	3
Principle and Technique in Intensive Care Unit	3
Cardiovascular Emergency	3
Fundamentals of Infection Prevention and Infection Control	3
Fundamentals of Emergency Medical Care	3

### Semester 4

Medical Sociology	3
Critical Care and Emergency Management	3
Emergency Diagnostic Measures	3
Trauma Emergencies	3
Diagnostic Imaging	3
Social Entrepreneurship	3

### Semester 5

Statistics and Research Methodology	3
Public Health and Epidemiology	3
Medical Equipment Handling	3
Medical and Surgical Emergencies	3
Basic and Advance Cardiac Life Support	3

### Semester 6

Patient Care	3
Basic Nursing Skills	3
Disaster Management	3
Forensic Medicine	3
Burns and Toxicology	3
Healthcare Entrepreneurship	3

### Semester 7

Pediatric Emergency & Intensive Care	3
Obstetrical Emergency & Intensive Care	3
Geriatric Emergency & Intensive Care	3
Shock Management	3
Ambulance Operations	3

### Semester 8

Research Project	6
Law and Legal Issues	3
Trends in Emergency and Medical Services	3
Procedures and Therapeutic Events	3
Common Emergencies	3

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# BS

## Food Safety and Quality Management

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

12 year of Education, Higher secondary school certificate/Intermediate, F.Sc, I.Com, ICS, Pre-Engineering, Pre-Medical or equivalent

### Semester 1

Functional English	3
Introduction to computer	3
Islamic Studies	2
Basic Agriculture	3
Introduction to Food Science and Technology	3
Introductory Biochemistry	3

### Semester 2

English II	3
Mathematics-I	3
Pakistan studies	2
Food Safety and Hygiene	3
Statistics-I	3
General Microbiology	3

### Semester 3

Food Chemistry	3
English III	3
Marketing and Agribusiness	3
Statistics-II	3
Mathematics II	3
Food Processing and Preservation	3

### Semester 4

Social entrepreneurship	3
Introduction to Food Supply Chain	3
Food Safety Management Systems	3
Food Microbiology	3
Food Waste Management	3
Post-Harvest Technology	3

### Semester 5

Introduction to Food Quality Systems	3
Food Packaging	3
Occupational and Health Safety Systems	3
Pre-requisite Programs in Food Safety and Quality	3
Risk Assessment and Control Plans	3
Integrated Pest Management	3

### Semester 6

Introduction to Food Labelling	3
Food Entrepreneurship	3
Food Toxins and Allergens	3
Food Analysis and Instrumentation	3
Introduction to Logistics Management	3
Research Project and Scientific Writing	3

### Semester 7

Halal and Ethnic Food Management	3
Food Laws and Regulations	3
Introduction to Food Fraud Mitigation	3
Global Good Agricultural Practices	3
Food Plant Layout and Sanitation	3
Halal and Ethnic Food Management	3

### Semester 8

Introduction to Food Retail	3
Project	6
Audit and Inspection Techniques	3
Consumer Preferences and Perception	3

# BS

## Food Science and Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

F.Sc, I.Com, ICS, Pre-Engineering, Pre-Medical or equivalent with minimum 45% mark

### Semester 1

Principles of food science	3
Introduction to Computer	3
Introduction to Biochemistry	3
Islamic Studies	2
Functional English	3
Basic Agriculture	3

### Semester 2

Mathematics	3
English II	3
Statistics-I	3
Pakistan Studies	2
General Microbiology	3
Principles of Human Nutrition	3

### Semester 3

English III	3
Food Processing and Preservation	3
Food Chemistry	3
Marketing and Agribusiness	3
Applied Statistics	3
Mathematics II	3

### Semester 4

Unit Operation in Food Processing	3
Food Safety and Quality Management	3
Food Microbiology	3
Instrumental Techniques in Food Analysis	3
Functional Foods and Nutraceuticals	3
Social Entrepreneurship	3

### Semester 5

Food Toxicology	3
Sugar Toxicology	3
Cereal Technology	3
Technology of Fats and Oil	3
Extrusion Technology	3
Beverage Technology	3

### Semester 6

Food Plan Layout and Sanitation	3
Research Methodology	3
Postharvest Technology	3
Food Process Engineering-I	3
Healthcare Entrepreneurship	3
Food Laws and Regulations	3

### Semester 7

Dairy Science and Technology	3
Meat Science and Technology	3
Bakery products technology	3
Food Packaging	3
Confectionery and Snack Foods	3

### Semester 8

Sensory Evaluation of Food	3
Research Project	6
Food Product Evaluation	3
Fish Poultry and Egg Processing	3

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# BS

## Blood Transfusion Technology

Course Duration	4 Years
Semesters	8
Total Credit Hours	131

### Eligibility

12 year of Education, Higher secondary school certificate/ Intermediate- F. Sc. Pre-Medical or equivalent

### Semester 1

English 1 (Functional English)	3
Anatomy –I	3
Physiology –I	3
Biochemistry-I	3
Clinical Pharmacology	3

### Semester 2

English II (Communication Skills)	3
Physiology –II	3
Anatomy –II	3
Islamic Studies	2
Biochemistry II	3
Introduction to Computer	3

### Semester 3

Pakistan Studies	2
Fundamental of Infection Control	3
Basic Microbiology	3
General Pathology	3
Molecular Biology	3
Biosafety & Risk and Waste Management	3

### Semester 4

Immunohematology I	3
Blood Donor Management	2
The Concept of Blood Safety	3
Introduction to Blood Transfusion Services	3
Social Entrepreneurship	3
Basic Immunology	3

### Semester 5

Immunohematology II	3
Transfusion Transmissible Infections	3
HLA system	3
Blood Processing and Storage	3
Probability and Biostatistics	3

### Semester 6

Apheresis (Component Preparation and Therapeutics)	2
Benefits and Risks of Blood Transfusion	3
Minor Blood Groups	3
Clotting Factor Disorders Principles of Hemostasis	3
Research Methodology	3
Healthcare Entrepreneurship	3

### Semester 7

Blood Bank Organization	3
Platelet Refractoriness	2
Automation in Blood Banking	2
Clinical Rotation -I	6
Organization and Management of Blood Transfusion Services	3

### Semester 8

Quality Management Systems in Blood Transfusion Services	3
Bioethics	2
Clinical Rotation -II	6
Research Project/Internship	6



# Bachelor

## of Science in Nursing (Post RN)

Course Duration	2 Years
Semesters	4
Total Credit Hours	64

### Eligibility

#### Qualification:

a. Matric with Science (Biology, Chemistry & Physics as compulsory subjects) OR Matric Arts as per HEC Notification No.8 (61)/A&A/2018/HEC/5998 dt.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

Biochemistry	2
Health Assessment	3
Advance concept in Nursing I (Adult Health Nursing)	4
English I (Functional)	2
Computer skills & Information Technology	2
Pharmacology	3

### Semester 2

Advance concepts in Nursing- II (Mental Health Nursing)	4
Introduction to Biostatistics	2
Epidemiology	2
English II (Academic)	2
Culture Health & Society	2
Principal of Teaching and Clinical Preceptor ship	3
Introduction to Nursing Models & Theories	2

### Semester 3

Advance Concepts Nursing-III (CHN)	4
Introduction to Research	3
Professional Development and Ethics	3
Professional Writing	2
Pak Studies	2
Leadership and Management	3

### Semester 4

Practicum	6
1. Health Care System	
2. Clinical Management	
3. Clinical Education	
4. Occupational Health Nurse/ School Health Nurse	
English IV (Scholarly writing)	2
Islamic Studies	2
Research/ Evidence based Elective project	4

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# BS

## Nursing Generic - 4 Years

Course Duration	4 Years
Semesters	8
Total Credit Hours	137

### Eligibility

**Qualification:** a. Matric Science (Physics, Chemistry & Biology 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

Fundamental of Nursing - I	4
Microbiology	3
Anatomy and Physiology - I	3
Biochemistry for Nurses	3
English-I	2
Computer Skills	1

### Semester 3

Adult Health Nursing - I	8
Pathophysiology - I	2
Health Assessment - I	2
Pharmacology - I	2
Mathematics	1
English - III	2

### Semester 5

Pediatrics Health Nursing	7
Community Health Nursing - II	6
Teaching/Learning :Principles and Practices	3
English - V	2

### Semester 7

Critical Care Nursing	7
Introduction to Nursing Theories	2
Leadership and Management in Nursing	3
Nursing Research	3
English - VII	2

### Semester 2

Fundamental of Nursing - II	4
Anatomy and Physiology - II	3
Community Health Nursing - I	3
Applied Nutrition	1
English - II	2
Islamiat	2
Pakistan Studies	2

### Semester 4

Adult Health Nursing - II	8
Pathophysiology - II	3
Health Assessment - II	2
Developmental Psychology	2
Pharmacology - II	2
English - IV	2
Nursing Ethics	1

### Semester 6

Mental Health Nursing	6
Introduction to Biostatistics	3
Behavioural Psychology	3
Epidemiology	2
English - VI	2
Culture, Health and Society	2

### Semester 8

Community Health Nursing - III	5
Nursing Seminar / Role Transition	2
English - VIII	2
Clinical Practicum	5



# FACULTY OF LAW



## Dean's Message

Superior's Faculty of law believes in prevalence of Justice and sense of responsibility in a broader aspect that brings peace and harmony in the society. Through experienced and internationally trained faculty members each and every student is personally trained to be an impeccable law expert backed by thorough research methods. We believe in big social changes through small but excellent efforts. Our college of law practises academic freedom where the culture of learning revolves around dissent and diversity. Another unique feature besides bringing peace through justice in the society is mediation. Faculty ensures best mediation practices to the individuals through pro bono services in negotiation, arbitration and mediation. Join our Faculty of law and make your Superior mark in the judicial system of the country.

**Prof. Dr. Danishwar Malik**

- LL.M
- LL.B

Prof.Dr. Danishwar Malik  
Prof. Dr. Abida Khaliq  
Prof. Dr. C.M. Afzal Javed  
Dr. Sajjad ul Hassan  
Dr. Riaz Ul Hassan Ghillani  
Dr. Ahmed Iqbal  
Dr. Imtiaz Ahmad  
Dr. M. Asif Bajwa  
Dr. Khalid Ranjha  
Dr. Muhammad Mumtaz Ali khan  
Mr. Rana Shahzad khalid  
Mr. Shafaq Ijaz  
Mr. Muhammad Ali Binyameen  
Barister Talha Ch  
Mr. Basit Jamil  
Mr. Adil Aftab  
Ms. Abda Yaseen  
Ms. Rabia Shabeeb  
Ms. Anum Ali  
Mr. Osama Tanveer  
Mr. Sikander Zulqarnain Saleem  
Mr. Shahzad Butt

Mr. Shams Ul Qamar  
Mr. Farooq Umair Niazi  
Ms. Ayesha Mushtaq  
Mr. Abdul Hanan Khan  
Ms. Noreen Kalsoom  
Ms. Tayyaba Asif  
Mr. Allah Dita  
Ms. Tehmina  
Mr. Muhammad Imran  
Mr. Raas Nabeel  
Ms. Asma  
Ms. Sehrish Malik  
Mr. Tahir Gondal

# LL.M

Course Duration	2 Years
Semesters	4
Total Credit Hours	33

## Eligibility

50% Marks in LL.B

### Semester 1

Civil Law	3
Criminal Law	3
Islamic law	3

### Semester 3

International Law and Institutions	3
Law of Evidence	3
Research Methodology	3

### Semester 2

Company Law	3
Human Rights Law	3
Constitutional law of Pakistan	3

### Semester 4

Thesis	6
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Course Duration	5 Years
Semesters	10
Total Credit Hours	163

## Eligibility

45% Marks in Inter & 50% marks in LAT

### Semester 1

English-I	3
Pakistan Studies	2
Introduction to Sociology	3
Foundation of Economics	3
Introduction to Law	3
Skill Development	3

### Semester 2

English-II	3
Islamic Studies/Ethics	2
Principle of Political Science	3
Legal System of Pakistan	3
History (South Asia)	3
Law of Torts-I	3

### Semester 3

English-III	3
Introduction to Logic & Reasoning	3
Islamic Jurisprudence-I 3	3
Law of Tort-II 3	3
Law of Contract-I	3
Constitutional Law-I (UK)	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

### Semester 9

Research Methods	3
Minor Acts	3
Elective-I	3
Elective-II	3
Moot Cases and Professional Ethics	3

### Semester 10

Administrative Law	3
Interpretation of Statutes and Legislative Drafting	3
Research Project	3
Elective-III	3
Elective-IV	3







# FACULTY OF AGRICULTURE AND VETERINARY SCIENCES



## Dean's Message

Welcome to the Superior University.

The world faces many unique challenges and it is the mission of our university to find solutions for feeding our world, protecting human and environmental health, stewarding our agricultural resources and enriching the lives of youth and families.

There is an increasing demand for graduates with degrees in poultry and agriculture sciences and related fields and superior university is here to meet that demand. At Superior, we provide our students with a practical education and entrepreneurial mindset that prepares career ready and emotionally intelligent graduates.

We, here at Superior, have a clear vision for the future and are prepared to meet the needs of our changing world.

**Dr. Hasnat Ahmed Bhatti**

- BS Agriculture (Plant Breeding and Genetics)
- BS Agriculture (Horticulture)
- BS Poultry Science

Dr. Hasnat Ahmad Bhatti  
Dr. Adeel Ahmad  
Dr. Ashiq Ali  
Dr. Ali Aslam  
Ms. Farah Younas  
Ms. Sidra Hasnain  
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 (Plant Breeding and Genetics)

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

F.Sc or equivalent

### Semester 1

Basic of Agriculture	3
Islamic Studies/Ethics	2
Computer Science and Information Technology	3
Introduction to Food Science & Technology	3
Exercise in Reading, Writing & Comprehension	3
Elementary Mathematics	3

### Semester 2

Communication Skills	3
Introductory Entomology	3
Introductory Horticulture	3
Introduction to Soil Science	3
Marketing & Agriculture Business	3

### Semester 3

Pakistan Studies	2
Plant Breeding & Genetics	3
Agronomy	3
Introductory Plant Pathology	3
Farm Mechanization	2
Introduction to Veterinary Preventive Medicine	2
Rural Sociology and Development	2

### Semester 4

Agriculture Economics	3
Agriculture Extension	3
Forestry & Range Management	3
Irrigation and Drainage Practices	2
Introductory Statistics	2
Basics of Molecular Biology	2
Introductory Plant Biotechnology	2

### Semester 5

Principles of Genetics	3
Breeding Field Crops	3
Cytogenetics	3
Fundamentals of Plant Biometry	3
Modern Techniques in Plant Breeding	3
Genomics in Agriculture	3

### Semester 6

Breeding Fibre Crops	3
Breeding Sugar Crops	3
Breeding Maize and Millets	3
Biodiversity and Plant Genetic Resources	3
Molecular Genetics	3
Bio-safety Measures in Crop Improvement	3

### Semester 7

Breeding Oilseed Crops	3
Breeding Pulse Crops	3
Breeding Vegetable Crops	3
Breeding Cereal Crops	3
Experimentation in Plant Breeding	3
Breeding Medicinal Plants	3

### Semester 8

Breeding Fodder and Forage Crops	3
Crop Variety Registration and Intellectual Property Rights	3
Breeding for Crop Quality Traits	3
Fundamentals of Research & Scientific Writing	3
Internship or Research Project	4

To accommodate modern trends, University reserves the right to change course requirements, fee, course classifications, course content, class schedule, venue, faculty and the like, whenever it deems appropriate.

# BS

## Agriculture (Horticulture)

Course Duration	4 Years
Semesters	8
Total Credit Hours	136

### Eligibility

F.Sc or equivalent

#### Semester 1

Basic of Agriculture	3
Islamic Studies/Ethics	2
Computer Science and Information Technology	3
Introduction to Food Science and Technology	3
Exercise in Reading, Writing & Comprehension	3
Elementary Mathematics	3

#### Semester 2

Communication Skills	3
Introductory Entomology	3
Introductory Horticulture	3
Introduction to Soil Science	3
Marketing & Agriculture Business	3

#### Semester 3

Pakistan Studies	2
Plant Breeding & Genetics	3
Principles of Agronomy	3
Introductory Plant Pathology	3
Farm Mechanization	2
Introduction to Veterinary Preventive Medicine	2
Rural Sociology and Development	2

#### Semester 4

Agriculture Economics	3
Agriculture Extension	3
Introduction to Rangelands and Wildlife Management	3
Irrigation and Drainage Practices	2
Introductory Statistics	2
Basics of Molecular Biology	2
Introductory Plant Biotechnology	2

#### Semester 5

Principles of Fruit Production	4
In Vitro Propagation	2
Principles of Ornamental Crop Production	3
Propagation and Nursery Management	3
Medicinal and Aromatic Plants	3
Indoor Plant Culture	2

#### Semester 6

Commercial Fruit Production	4
Commercial Vegetable Production	4
Introductory Landscape Gardening	3
Breeding of Horticultural Crops	3
Business Management in Horticulture	3

#### Semester 7

Post-Harvest Horticulture	4
Vegetable and Flower Seed Production	3
Principles of Vegetable Production	4
Commercial Flower Production	3
Temperate Fruits	2
Project Planning and Scientific Writing	2

#### Semester 8

Genomics, Transcriptomics and Proteomics	3
Bioinformatics	3
Minor Fruits	2
Research Methods and Techniques in Horticulture	4
Mushroom Culture	2
Internship	4

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# BS

## Poultry Science

Course Duration	4 Years
Semesters	8
Total Credit Hours	130

### Eligibility

F.Sc Pre-Medical or Equivalent

### Semester 1

English Comprehension	3
Mathematics	3
Avian Anatomy and Physiology	3
Introduction to Poultry Science	3
Introduction to Computer Science	3
Quran Translation-I	1

### Semester 2

Principles of Biochemistry	3
Islamic Studies/Ethics	3
Communication Skills	3
Entrepreneurship	3
Poultry Hygiene and Diseases Prevention	3
Game Bird Production	3

### Semester 3

Business & Technical Report Writing	3
Statistics and Probability	3
Fundamentals of Poultry Nutrition	3
Introduction to Poultry Genetics	3
Pakistan Studies	3
Biology of the Fowl	3
Quran Translation-II	1

### Semester 4

Population Genetics	3
Nutrition of Table poultry	3
Broiler Production and Management	3
Poultry Marketing & Business Management	3
Poultry Behavior and Welfare	3
Poultry Processing and Preservation Technology	3

### Semester 5

Nutrition of Laying Birds	3
Layer Production and Management	4
Egg Products Technology	3
Molecular Genetics and Biotechnology	3
Elements of Business	3
Quran Translation-III	1

### Semester 6

Applied Poultry Genetics	3
Poultry Housing and Environmental Management	3
Management of Parent Flocks	3
Poultry Farm Engineering and Construction	2
Feed Formulation and Processing Technology	2
Research Project	5

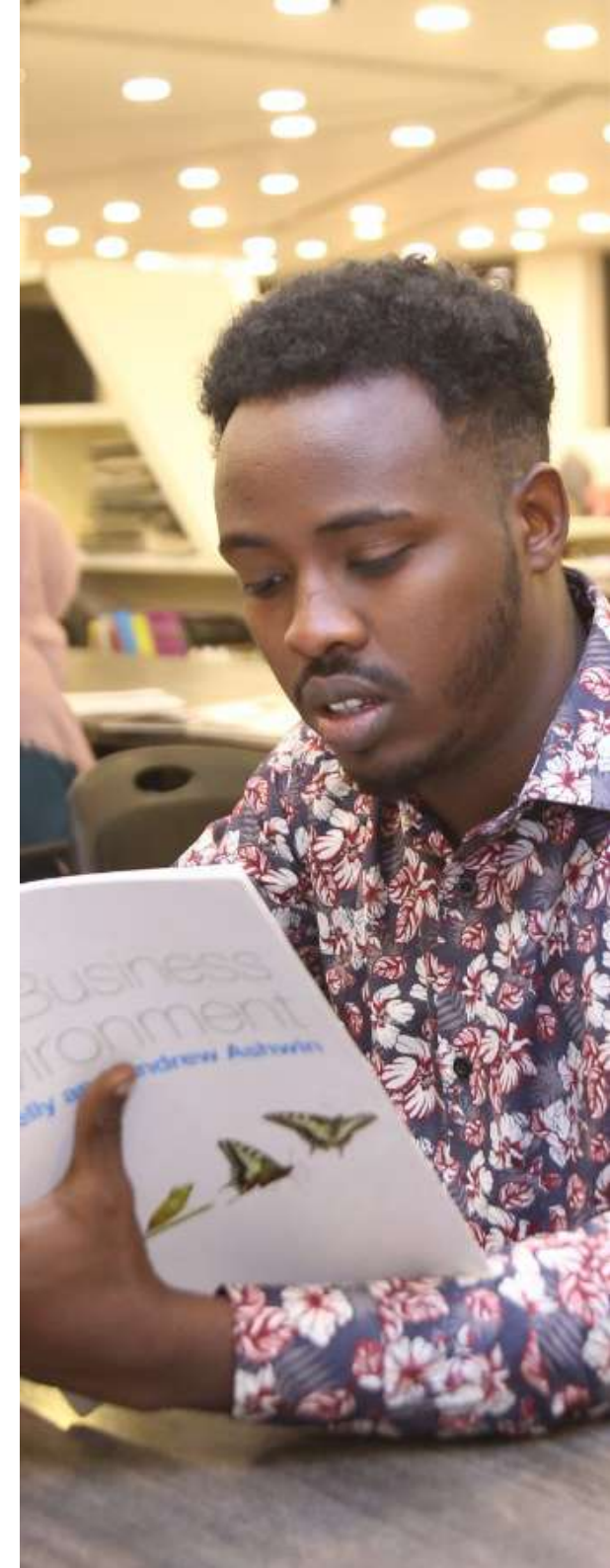
### Semester 7

Incubation Principles and Hatchery Management	3
Avian Embryology	3
Computerized Poultry Record Keeping	3
Quality Control Management in Poultry Operations	3
Poultry Marketing and Risk Management	3
Quran Translation-IV	1
Poultry Health Management	2

### Semester 8

Internship	6
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# The Team Achieving Milestones

## Chairman BOG

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 Marketing

Sohaib Mehmood

## Director City Campuses

Dr. Khawaja Hisham ul Hasan

## Director HR

Afshan Hameed

## CFO

Mian Muhammad Yasin

## Director Communications

Haseeb M. Bin Qasim Khan

## Registrar

Mudassar Kamran

## Controller Examination

Dr. Muhammad Haris

## Director 3U1M

Ayesha Zahid

## Director QEC

Muhammad Yousaf Jamil

## Director Engagement and Co-creation

Ehtisham Amir

## Director International Office

Asad Ullah Sheikh

## Director ORIC

Dr. Khawaja Shafaat Ahmed Bazaz

## Deputy Director CMACED

Muneeb Ahmed

## Director Operations

Asim Masood

## Registrar Secretariat

### Deputy Registrar Affiliations & Accreditation

Muhammad Nawaz Butt

### Deputy Registrar Academics

Syeda Rabika Nadeem

### Deputy Registrar

An Ul Abidin

### Assistant Registrar

Aqib Rehman Khan

Hassan Farooq

Muhammad Zubair

### Assistant Admin Officer

Muhammad Qamar Ul Hasan

### Data Entry Operator

Safdar Ali

### Office Executive

Zubair Khan

### Daycare Administrator

Iram Ikram

### Director Labs

Umer Mushtaq

### Manager Labs

Waqas Tahir

Waqar Ahmad Malhi

## Examination Department

### Deputy Controller

Shahid Raza

Syed Behzad Hussain

Nouman Khalid

Zaib Mukhtar

### Assistant Controller

Kalsoom Manzoor

Hafiz M Umair Khan

Hafiz M Awais Arshad

### Examination Officer

Izba Shabbir

Attique Ur Rehman

Syed Tahir Hussain

Muhammad Imran

Junaid Nawaz

Tanveer Hussain

Khizar Abbas

Nawees

Sardar Muhammad Basit

Muhammad Usman

Saima Fareed

### Data Entry Operator

Ahmad Ali

### MTO

Ayesha Ilyas

## 3U1M Secretariat

### Deputy Director Career Services

Asif Aziz

### Project Manager 3U1M

Imran Ejaz

### Manager Alumni Relations

Mahreen Iqbal

### Manager Career Services

Khizer Hayat

Ahsan Bin Saif

### Program Manager ID 92

Muhammad Jawad

### Operations Manager

Muhammad Ali Khan

### Assistant Manager

Muhammad Ahmer

Ahsan Bilal

Nouman Shoukat

Faizan Tahir

### Graphic Designer

Salman Ahmed

### Alumni Executive

Hassan Ali Raza

### PR Executive

Hafiz Muhammad Afaq Sajid

### 3U1M Executive

Muneeb Sajid

### Social Media Coordinator

Tahreem Ijaz Ahmad

### Communication Executive

Saddam Jan

### MTO

Kanza Khan

## CMACED

### Deputy Director

Muneeb Ahmad

### Assistant Director

Dr. Usman Sadiq

Dr. Hummaira Qudsia Yousaf

### Global Community Manager

Hina Tariq

### Program Manager TEC

Muhammad Rashid Liaqat

### Assistant Manager ETPP

Rida Junaid

### Assistant Manager SEP

Syed Muhammad Ali

### ETPP Executive

Hafiza Sidra Bashir

### Executive Global Outreach

Waleed

### Research Associate

Sidra Munawar

### Program Officer

Waheeb Ahmad Malik

## Office of Engagement & Co-creation

### Manager Student Engagement

Muhammad Ahmed Kahloon

### Manager Societies

Muhammad Mukarram

### Assistant Manager Operations

Bilawal Khan

### Assistant Manager Communication

Ronica Wilbon Wilson

### Assistant Manager Svl

Natasha Ali

### Societies Coordinator

Azra Ahmed

### Student Engagement Officer

Zeeshan Aslam

## International Office

### Manager Business Development

Mursal Ahmadzai

Zainab

### Manager PR & Social Media

Safa Khalid

### Manager Student Exchange Program

Amna Bibi

### Manager Communication & Outreach

Aleena Waheed

### Office Executive

Syed Ali Hassan

### Graphic Designer

Ameer Hamza Kharal

## Student Affairs Department

### Student Office Coordinator

Ahmad Hassan

Muhammad Javed Siraj

Abdul Majid

Muhammad Babar Ali

Amanullah Afzal

Hamza Abbas

### Girls Hostel Warden

Gull Firdoas Tabassam

## Superior Information Resource Centre

### Chief Librarian

Qaisar Iqbal

### Librarian

Bushra Salah Ud Din

Waseem Alaudin

### Library Coordinator

Muhammad Imran

Abdul Hameed

Turaj Iqbal

## ORIC

### Deputy Director ORIC & Director ANCRD

Hamid Masood

### Manager ORIC

Dr. Shafique Ahmed

### Assistant Manager

Faiza Ali

### Executive Research Operations

Javeria Atta

Muhammad Haseeb Shakil

### Research Associate

Shamaila Parveen

Usman Abbas

## Quality Enhancement Cell

### Deputy Director

Qamer Ahmad

### Assistant Director

Muhammad Abada Farooq



Shahzad Khurram  
Muhammad Umar Tariq  
Hina Ahmed  
**Examination Officer**  
Zubair Ramzan  
**Quality Assurance Officer**  
Muhammad Ismail Munir  
**Monitoring Officer**  
Mohsin Ali

## Admissions Department

**General Manager Business Development**  
Hamza Sajjad  
**Head Counselor**  
Rabia Meraj  
Hafiz Muhammad Qasim  
Farrukh Nadeem  
Mahrukh Ahsan  
**Manager Outreach**  
Ummama Makhdoom  
**Manager Call Center**  
Jessie Denial  
**Assistant Brand Manager**  
Laiq Ahmed  
**Assistant Manager Call Center**  
Mian Muhammad Abdullah  
**Graphic Designer & Data Analyst**  
Noel Waris  
**Sr. Counselor**  
Waqas Ibrar  
**Counselor**  
Saira Arif  
Sehrish Kiran  
Abdul Qadeer  
Asadullah Khan  
Hafiz Khalil Ur Rehman  
Mubashra Ashfaq  
Muhammad Hanan Khan  
Rimsha Fatima  
Shobel Altaf  
Mehr Un Nisa  
Hafiza Noor Ul Aeen  
Hafiz Usama Ahmad  
Ahmad Wasi  
**Counselor Social Media**  
Amna Ishaq  
**PWWF Officer**  
Anees Tariq  
**Front Desk Officer**  
Farooq Raza  
Gulnaz Safdar  
Hafsa Waseem  
Nayab Noor  
Sana Abid  
Sana Saghir  
**Customer Sale Representative**  
Nabiha Javed  
Malalika Fatima  
Saira Ikram  
**Management Trainee Officer**  
Saman Yasin  
Shaheer Mairaj

## Human Resources Department

**Deputy Director**  
Naveed Ahmed  
**Senior Manager HR**  
M. Adnan Rafiq  
**Senior Manager OD**  
Hina Arshad  
**Associate Professor & Senior Manager HR Digitalization**  
Dr. Bilal Ahmad  
**HR Business Associate**  
Zunaira Najam  
Faseh Ali Jamil  
Muhammad Nadir  
**Assistant Manager Payroll**  
Habib Shahzad  
**Sr. HR Executive**  
M. Haroon Mehboob  
**HR Executive**  
Junaid Akram  
Zaheer Alam  
**HR Officer**  
Ahsan Kamal  
Samreen Ayesha

## Integrated Business Services

**Director**  
Kh. Jamal Ahmed  
**Manager IBS**  
Muhammad Awais Hassan  
**IT Team Lead**  
Abid Ali  
**Lab Admin**  
Furqan Saeed  
**Lab Assistant**  
Muhammad Awais  
**IT Lab Asstt.**  
Muhammad Saif U Rashid  
**Lab Administrator**  
Muhammad Umer Farooq  
**Multimedia Operator**  
Salas Fazal  
**Junior IT Officer**  
Shamas Zaman  
**Network Administrator**  
Uzair Ahmad Siddiqui  
**Lab Admin**  
Zeeshan Ali  
**CCTV Monitoring Officer**  
Arslan Falak  
**Assistant Network Administration**  
Asad Sadiq  
**Turnstile Operator**  
Atif Raza  
**IT Executive**  
Hafiz Muhammad Aqeel  
**Lab Administrator**  
Iqra Nawaz  
**IT Assets Officer**  
M Farooq  
**System Engineer**  
Muhammad Adnan

## IT Officer

Muhammad Faisal  
**Multimedia Operator**  
Muhammad Zubair  
**CCTV Technician**  
Waqas Waris  
**IT Officer**  
Arshad Mahmood  
Rashid Nazir  
**Lab Administrator**  
Malik Muhammad Afaq Haidari  
Muhammad Mudassar Javaid  
**Lab Administrator - Gold Campus**  
Zuhaib Wahab  
Ali Raza  
Hamza Arif

## Office of Marketing & Communications

**Assistant Director & Acting HOD**  
Muhammad Tariq  
**Assistant Director - Creative**  
M Mujeeb Riaz  
**Manager Communications**  
Sana Sheheryar  
**Visual Communication Artist**  
Muhammad Ahsan Ishfaq  
**Photographer & Videographer**  
Hafiz Muhammed Mahad Sharif  
**Digital Media Executive**  
Salman Sajid  
**Social Media Manager**  
Maham Shaukat  
**Graphic Designer**  
Abdullah Jameel  
**Digital Media Manager**  
Hassan Manzoor  
**Content Producer**  
Nabeela Malik  
**Manager Graphic Design**  
Zeeshan Mahmood  
**Head of Production**  
Fazl E Arafat Bari  
**Video Editor**  
Muhammad Anees  
Muhammad Sajid  
**Senior Cameraman**  
Muzamil Hussain  
**Assistant Manager Marketing**  
Fahad Zubair  
**Director of Photography**  
Nouman Sharif  
**Communication Executive**  
Humna Ashraf  
**Full Stack Developer**  
Naveed Hameed  
**Senior Graphic Designer**  
Muhammad Israr  
**Animator**  
Slamat Ullah  
**MTO**  
Abdullah Siddique

Chaudhry Muhammad Aehsan  
Ayesha Husn E Ara  
**Incharge Ekselent TV**  
Hassan Javaid  
**Lecturer & Content Writer Ekselent TV**  
Muhammad Umair Ali  
**Non-Linear Editor Ekselent TV**  
Khurram Shahzad  
**Audio Engineer**  
Rehman Nasim

## Accounts & Finance Department

**Director Finance**  
Mirza Moazam Baig  
**Manager Finance and Corporate Affairs**  
Zahid Sultan  
**Assistant Manager Accounts**  
Muhammad Rehan Qayyum  
**Manager Accounts**  
Ali Ashraf  
**Manager**  
Usman Arshad  
**Senior Accounts Executive (Tax)**  
Khalid Mahmood  
**Assistant Manager Accounts**  
Asif Iqbal  
**Account Officer**  
Asif Zia Ansari  
Hafiz Abeeid  
Hamd Ali (Main)  
**Incharge Finance University Campus**  
Muhammad Najeeb Butt  
**Accounts Officer**  
Muhammad Imran  
Hafiz Muhammad Saeed  
Mohsin Rafique  
**Assistant Manager Finance**  
Uzma Tariq  
**Accounts Officer**  
Shahryar Shahid  
Blawal Ali  
Mehwish Mumtaz  
Hina Mehboob  
**Senior Manager Taxation**  
Muhammad Shafique  
**Deputy Manager Taxation**  
Syed Mubasher Hussain  
**Accounts Officer**  
Hafiz Syed Ghulam Mustafa  
Talha Ahmad

## Automation & Policy Control

**Deputy Director**  
Kashif Noor  
**Assistant Director**  
Zeeshan Ahmad  
**Quality Assurance Officer**  
Kaleem Baig  
**Automation Executive**  
Annulhuda

Fatima Raza  
Muhammad Saqib Jameel  
**Junior Functional Consultant**  
Sadia Qadeer  
Shameen Noor

## Internal Audit Department

**Chief Internal Auditor**  
Ibn E Abbas Ashraf  
**Deputy Manager Audit**  
Qan Raza  
Syed Tahir Ali  
**Manager Audit**  
Hammad Raza  
**Deputy Manager Audit**  
Taimoor  
**Deputy Manager Internal Audit**  
Sajid Ali  
**Audit Officer**  
Muhammad Rizwan  
Arslan Manzoor  
Mohsin Raza  
Rana Abdul Mannan  
**Audit Associate**  
Ghulam Abbas  
Mughis Ahmad  
Muddasar Ali  
Muhammad Abu Zar Saeed Bajwa  
**MTO**  
Uzair Ahmad Aslam

## Security & Crisis Management Department

**Resident Officer**  
Ch. Imtiaz Ahmed  
**Security Supervisor**  
Abdul Sattar  
Fateh Sher  
Liaqat Ali  
Arshad Mahmood

## Sports Department

**Director Sports**  
Zahid Bashir  
**Student Coordinator**  
Muhammad Afzal Ahmad  
**Manager Sports**  
Muhammad Usama

## General Management

**Deputy Director-Chairman Secretariat**  
Waqas Iftikhar Baig  
**Personal Staff Officer-Chairman Secretariat**  
Ali Sher  
**Admin Officer**  
Sarfaraz Ahmed  
Muhammad Zubair

OUR  
VISIONARY  
LEADERSHIP  
& DEDICATED TEAM  
MAKE US

**SUPERIOR**

# SCHOLARSHIPS

## Scholarships

### Merit Based:

to make Pakistan academically Superior (SDG 4).

### Alumni:

a. Superior Group of Colleges (SGC) alumni (SDG 4).

b. Superior University (SU) alumni (SDG 4).

### Kinship:

to facilitate our Superior family (SDG 4).

### Rector's Women Empowerment Initiative:

to ensure gender equity and women empowerment (SDG 5, 4).

### Dean's PhD Scholarship:

to promote research culture in Pakistan (SDG 4).

### Outstanding Sportsmen:

to facilitate Superior athletes (SDG 3, 4).

### Extracurricular Talent:

to nurture art, creativity and dynamism (SDG 3, 4).

### Corporate Linkage:

to extend educational facilitation for Superior collaborators (SDG 17, 4).

## Seats

500

200

200

50

04

50

14

50

## Scholarships

### Differently abled students (Special persons):

to ensure equal facilities for special students (SDG 4).

### Children of Martyrs (SHAUHDA):

to extend gratitude and support to the nation saviours (SDG 4).

### Minorities:

to ensure equal opportunities for all (SDG 4).

### Nationwide Outreach (Remote Areas):

to provide better access and quality education in far flung areas (SDG 4).

### Children of Govt. Employees, Armed Forces and Teachers:

to acknowledge and reward contribution of public servants (SDG 4).

### Referrals of Superior Group Employees:

to facilitate Superior family (SDG 4).

### Ch. Muhammad Akram Qarz-e- Hasna (Student Loans):

to empower in the hour of need (SDG 1, 4).

## Seats

10

20

50

100

100

100

20

# 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.