UNDERGRADUATE PROSPECTUS 2024-25

Sarhad University

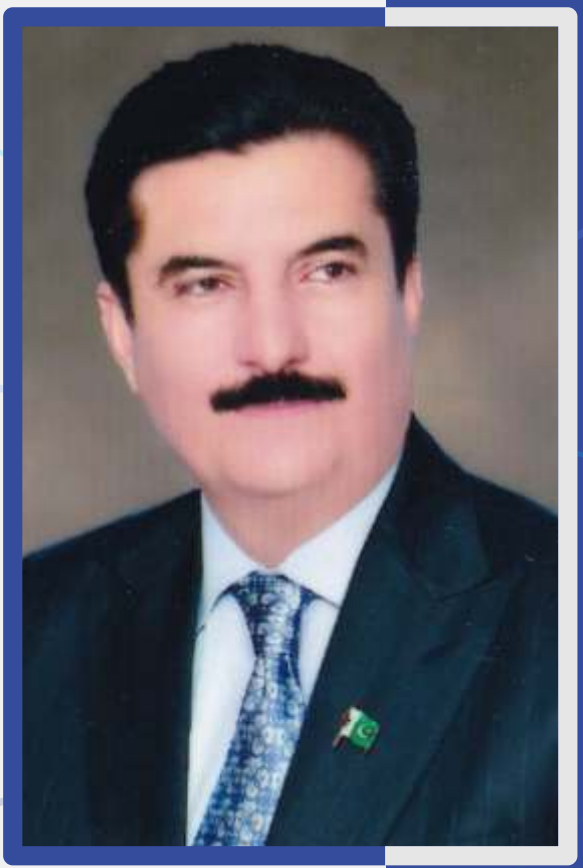
of Science & Information Technology
Peshawar

UNDERGRADUATE PROSPECTUS 2025

STEP INTO
BRIGHT FUTURE

CONTENTS

01	Messages	02
02	Vision Mission	06
03	SUIT's Organizational Structure	07
04	Board of Governors	08
05	Academic Council	09
06	Recognition & Accreditation	11
07	Number of Graduates Convocation-Wise	12
08	Growth in Student Strength at the Main Campus	14
09	Growth in Student Strength in the Distance Education	15
10	Growth in Faculty at Sarhad University	16
11	Faculty of Engineering & Technology	21
12	Faculty of Life Sciences	57
13	Faculty of Sciences, Computer Science & Information Technology	109
14	Faculty of Management Sciences	141
15	Faculty of Arts, Social Sciences & Education	159
16	Admission Process	219
17	Important Rules & Regulations	222
18	Legal Status	245



Message from the Governor, Khyber Pakhtunkhwa

Higher Education; a demanding but a highly rewarding field of education system, plays a pivotal role in fulfilling the quest for bringing pleasant change in the socio-economic fabric of the society and ensures better future both for the country and the people. In the given circumstances, achieving this cherished goal indeed demands constant efforts, sustained determination and resources on part of individuals, institutions and the society alike. In line with the desired targets one can witness an encouraging environment, enthusiastic approach, high spirit and a confident struggle at every level in the province.

It is indeed a pleasure to note that the Sarhad University of Science & Information Technology, Peshawar is engaged as an active partner along its sister institutions, working both in the public and private sectors in the ongoing struggle to achieve the target set forth for the cause of education. The initiative to introduce demand driven, result oriented and contemporary disciplines, besides continuing research and educational activities in the existing institutions and infrastructure development for further expansion of the campus provides a heartening and convincing reason to judge the pace, with which it is progressing, is impressive.

While writing these lines for the Prospectus 2024-25 of the University, I also take the advantage to congratulate the management, faculty and students especially the new entrants for successfully stepping into their new pursuits and wish more success to all of them.

Faisal Karim Kundi

Message from the President, Sarhad University

It is a matter of immense pleasure for me to record my message for prospectus 2024-25.

It is a unique imagination and a marvelous experience that a journey I started in the year 2001, is now unfolding its colors in many ways. The launching of Sarhad University with a humble start of programs in Computer Science, IT and Management Sciences from ab-initio was a gigantic task which I could not have accomplished alone. It was my team which worked with unmatchable hard work and dedication as the resources were meager and the resolve to reach the students was unflinching.

It had been my life-long desire to reach and serve people from an area that direly needed my services and contributions in the higher education sector. The Khyber Pakhtunkhwa province suited my objective more than any other neglected areas of Pakistan due to its close proximity to my base-station and the energetic segment of students of the Province, who otherwise have all the potentials to be in the driving seat. I chose education as my preferred objective and the young generation as my prime target as no society in the civilized world could ever progress without educating upcoming generations.

Dear students, Sarhad University with state-of-the-art buildings housing spacious classrooms, scientific and research laboratories, a huge library with latest books, Seminar Hall, dedicated parking space along with sports facilities is now fully functional to offer academic programs in various disciplines. In the wake of latest developments we have put in place a robust security system backed by CCTV cameras with recording facilities through DVR system, walk through gates and metal detectors to maintain a secured environment at the premises. The testimony to our success can be judged from out-flow of our graduates who are currently serving in almost all the public departments at provincial and national level. Beside those many pursuing their higher studies at various International Universities. I would also like to extend my thanks to the students who opt to join Sarhad University to be in our fold for the coming 4-5 years with a pledge to work for their better education and settlement in their assignments.

M. Riaz Karim

Message from the
Vice President, Sarhad University

I am happy to convey my message about Sarhad University which was established in the year 2001, with the sole objective of providing quality education at higher level according to the expectations of our youth. I would like to apprise you that today; our university is placed in highest category of HEC. We have worked round the clock over the last 23 years to achieve this level of excellence and proved ourselves in accordance with the expectations of all stakeholders. The University as of today is home to more than 6000 students in contemporary disciplines including Pharmacy, Nursing, Allied Health Sciences, Computer Sciences, Software Engineering, Management Sciences, Engineering, Art & Design, Humanities and Social Sciences. These programs are being supervised by more than 100 PhD, around 150 M.Phil/MS and MSc degree holders, having vast teaching and administrative experience.

Our teaching Departments are associated with the modern labs equipped with latest and up todate equipment required for the practical work of the students to gain hands on experience.

The Department of Pharmacy, Nursing and Allied Health Sciences are also linked with the major hospitals of Peshawar City for clinical rotation of the students to directly deal with the patients of their particular specialties.

SUIT believes in imparting quality education and for this purpose, we have established a full-fledged Quality Enhancement Cell to fine tune our programs with regular intervals. Our Quality Enhancement Cell is fully functional to supervise the quality of programs according to HEC's laid down criteria and there is a continuous progress in our academic programs to achieve this very goal.

It will be in place to write that Office of Research, Innovation and Commercialization (ORIC) has also been established. More so, bringing the university under one umbrella has provided us the opportunity to focus on research activities for which faculty members and students are provided with financial and material assistance. Seminars, Workshops, Curricular & Co-curricular activities are held regularly to groom our students. I assure all students of my fullest support to educate them in the best possible manner so that they could prove their metal in their respective fields after graduation from Sarhad University.

Azmat Ali

Message from the Vice Chancellor, Sarhad University

It is a privilege for me to be associated with such a progressive and rapidly developing University. During the last 22 years, Sarhad University has made landmark achievements in many areas. The Faculty size has increased manifold due to induction of a number of PhD and M.Phil Degree holders in the field of Engineering, Pharmacy, Nursing, Management Sciences, Computer Science, Arts, Education and certain health-related disciplines. Our focus on quality education has enabled the students to acquire relevant knowledge and to become true professionals. Academic activities like conferences, workshops, and seminars have not only created an environment conducive for research, but have also added to the experience of our faculty and students. Our graduates, equipped with the right blend of knowledge and skills are prepared to carve their niche in the corporate world and to play their due role in socio-economic development of the country. I attribute our success in all these areas to the faculty, management and students whose devotion, hard work, sincerity, and determination have earned us high reputation and due recognition.

Selecting a particular degree program for stepping into professional life is one of the most crucial decisions. Equally difficult is the choice of an institution of higher learning to pursue the selected degree program. For those who have reached this decision making stage, Sarhad University offers diverse fields at its Main Campus in Peshawar, sub campuses and the opportunity to learn online / distance education. May Allah Almighty bless our youth and guide them in making right decisions, and enable the University management to give its best to the students.

Prof. Dr. Salim ur Rehman

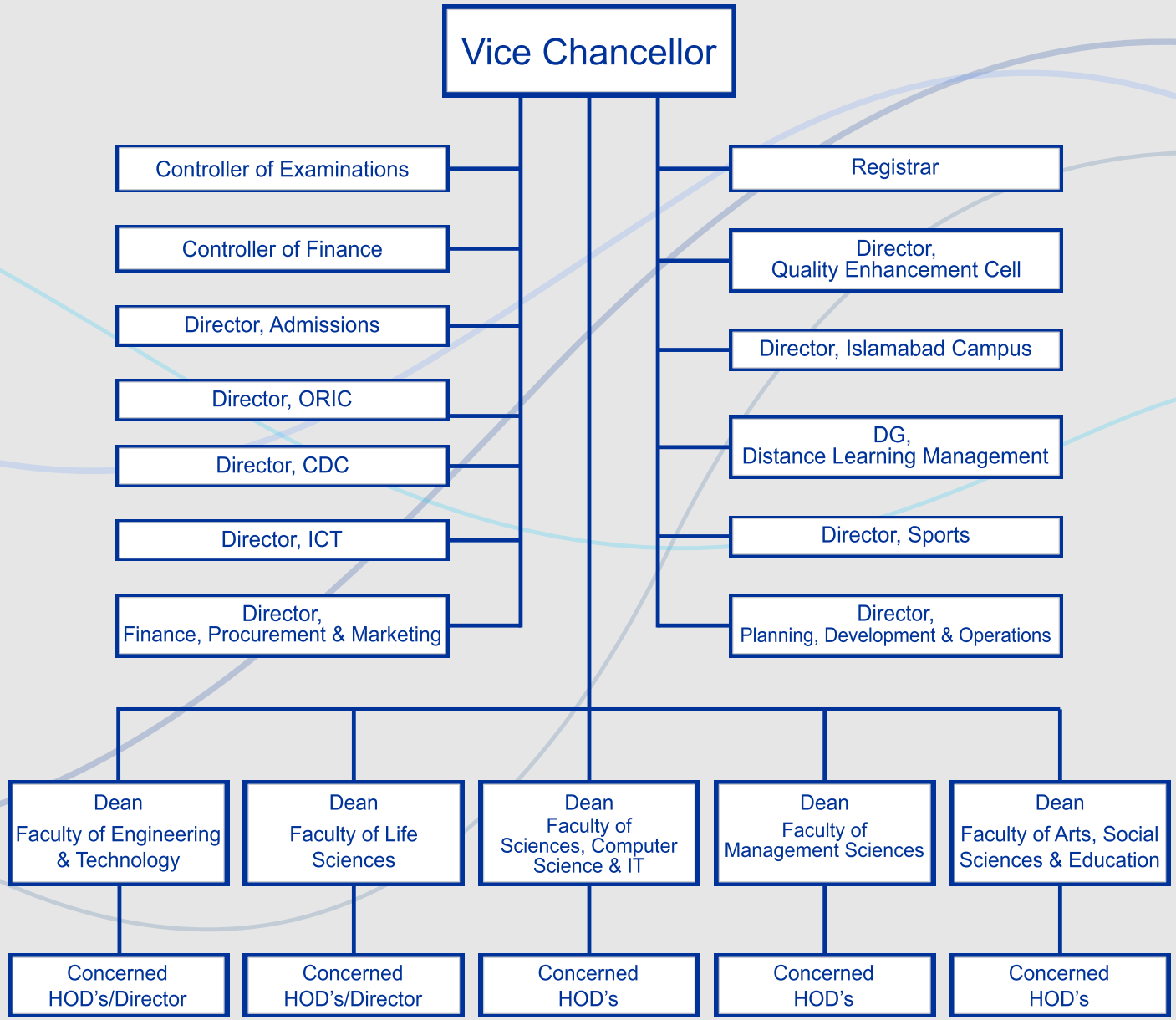
Vision

To achieve excellence in teaching & research in all academic fields.

Mission

To provide educational facilities of international standards to the youth and to produce graduates & researchers at National and Global levels.

SUIT's ORGANIZATIONAL STRUCTURE



Board Of Governors

The Board of Governors of Sarhad University is the highest executive authority of the University. It comprises personalities of high standing in academic and professions both from the public and private sectors of higher education. Th board has all the powers necessary to formulate Statutes, Regulations and Policies aimed at ensuring high academic standards in respect of all academic programs run by the University at Bachelor, Master and Doctoral levels. The Board also enjoys powers to frame laws and policies aimed at recruiting persons of eminence in academics for senior slots in the academic hierarchy who are able to give their best to the students, who will serve the country and the community appropriately for socio-economic development. The basic criteria for selection of teachers and administrators laid down in the University Charter are competence, integrity and efficiency, which is adhered to in letter and spirit.

Prof. Dr. Salim-ur-Rehman, Vice-Chancellor (Chairman)	**Prof. Dr. Abdul Waheed Mughal**, Dean Faculty of Arts, Social Sciences & Education, Sarhad University, Peshawar	**Mr. Muhammad Taimoor Riaz**, Member, Board of Trustees, Al-Beruni Trust for Educational Development, Islamabad.
Dr. Akhtar Ali Shah, Former Secretary Home and Tribal Affairs Dept., Government of Khyber Pakhtunkhwa	**Chairman HEC, or his Nominee.**	**Mr. Immad Azmat**, Member, Board of Trustees, Al-Beruni Trust for Educational Development, Islamabad.
Prof. Dr. Zia Ul Qayyum, Former Vice Chancellor, A.I.O.U Islamabad.	**Secretary**, Higher Education Department, Government of Khyber Pakhtunkhwa	**Prof. Dr. Iftikhar Ahmad Khan,** Director QEC, Sarhad University, Peshawar.
Prof. Dr. Safia Ahmad (T.I), Vice Chancellor, Shaheed Benazir Bhutto Women University, Peshawar.	**Nominee of the Chief Justice**, Peshawar High Court, Peshawar	**Director, ORIC.**
Prof. Dr. Sahar Noor, Dean Faculty of Mechanical, Chemical and Industrial Engineering, UET Peshawar	**Mr. Azmat Ali**, Vice President, Sarhad University, Peshawar / Member, Board of Trustees.	**Mr. Muhammad Nasir**, Registrar, Sarhad University, Peshawar. (Member/Secretary)
	Mr. Liaqat Ahmed Khan, Former President, Sarhad Chamber of Commerce & Industry, Peshawar.	

Academic Council

The Academic Council of the University, constituted in accordance with provisions of the University Charter, is the highest academic forum of the University with powers to lay down proper standards of instruction, research, publication, examinations, and to regulate and promote the academic life at the University.

Prof. Dr. Salim-ur-Rehman, Vice-Chancellor (Chairman)	**Prof. Dr. Sudhair Abbas**, Head, Department of Pharmacy.	**Head**, Department of Art & Design.
Prof. Dr. Abdul Waheed Mughal, Dean, Faculty of Arts, Social Sciences & Education.	**Prof. Dr. Wali Rehman**, Head, Dept. of Business Administration.	**Head**, Department of Sports Sciences & Physical Education.
Meritorious Prof. Dr. Zafar Iqbal (T.I), Dean, Faculty of Life Sciences, SUIT.	**Prof. Dr. Saadullah Afridi**, Director, Sarhad Institute of Health Sciences.	**Engr. Fazal Khaliq**, Professor, Department of Civil Engineering.
Prof. Dr. Saeed Mahfooz, Dean, Faculty of Sciences, CS/IT and Faculty of Management Sciences.	**Dr. Fazal Mehmood**, Director, Sarhad Institute of Allied Health Sciences.	**Engr. Dr. Muhammad Rizwan**, Associate Professor, Department of Civil Engineering.
Dean, Faculty of Engineering & Technology	**Ms. Shaheen Ghani**, Director, Institute of Nursing Sciences.	**Dr. Azhar Ali**, Associate Professor, Department of Electrical Engineering.
Engr. Prof. Dr. Arshad Ali, Head, Dept. of Civil Engineering.	**Dr. Jahangir Khan**, Head, Department of Computer Science & IT.	**Mr. Mumtaz Khan**, Associate Professor, Department of Electrical Engineering.
Engr. Dr. Muhammad Sohail Gohar, Head, Dept. of Mechanical Engineering.	**Dr. Ghuncha Begum**, Head, Department of Urdu.	**Engr. Abdul Hadi**, Associate Professor, Department of Mechanical Engineering.
Engr. Dr. Abid Saeed, Head, Dept. of Electrical Engineering.	**Dr. Khisro Kaleem Raza**, Head, Department of Education.	**Dr. S. M. Hassan Shah**, Professor, Department of Pharmacy.
Engr. Muhammad Faisal Khan, Director, Department of Technologies.	**Syed Arif Ali Shah**, Head, Department of Library & Information Sciences.	**Dr. Obaid-ur-Rehman**, Professor, Department of Electrical Engineering.

Dr. Wasal Khan,
Professor,
Department of Education.

Dr. Naila Raziq,
Associate Professor,
Department of Pharmacy.

Dr. Asif Khan,
Associate Professor,
Department of Pharmacy.

Dr. Muhammad Ashfaq,
Associate Professor,
Department of Pharmacy.

Dr. M. Kifayatullah,
Associate Professor,
Department of Pharmacy.

Prof. Nasreen Ghani,
Institute of Nursing Sciences.

Dr. Nasir Ali,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Shabir Ahmad,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Aamir Aziz,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Muhammad Ateeq,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Shahid Mehmood,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Nizam Muhammad Darwesh,
Associate Professor,
Sarhad Institute of Health Sciences.

Dr. Shahid Latif,
Associate Professor,
Department of Computer Science & IT.

Dr. Haroon-ur-Rasheed,
Associate Professor,
Department of Computer Science & IT

Dr. Muhammad Imtiaz,
Professor,
Department of Urdu.

Dr. Syed Gohar Abbas,
Professor,
Department of Business Administration.

Dr. Rabia Ishrat,
Associate Professor,
Department of Business Administration.

Prof. Dr. Iftikhar Ahmad Khan,
Director QEC,
Sarhad University, Peshawar.

Director, ORIC.

Secretary, Higher Education Dept,
Govt. of Khyber Pakhtunkhwa,
Peshawar / or his nominee.

Engr. Adil Shahzad,
Assistant Professor,
Department of Civil Engineering.

Engr. Fayaz Ahmad,
Assistant Professor,
Department of Technologies.

GC (Rtd) Muhammad Sadiq Malik,
Coordinator, Department of English

Dr. Rabia Naeem,
Lecturer, Sarhad Institute of Allied
Health Sciences

Prof. Dr. Iftikhar Hussain,
Former Vice Chancellor,
Khyber Pakhtunkhwa UET, Peshawar.

Dr. Muhammad Farooq, Professor,
Shaikh Zayed Islamic Center,
University of Peshawar.

Dr. Ejaz Gul Ghauri,
Ex-Principal Scientific Officer,
PCSIR Labs; Peshawar.

Prof. Dr. Asif Khan,
Former Vice Chancellor,
University of Peshawar

Prof. Dr. Jamshaid Ali Khan,
Department of Pharmacy,
University of Peshawar.

**Advisor (Academics) HEC;
or his Nominee.**

Mr. Muhammad Nasir,
Registrar / Secretary.

ENGINEERING

Electrical, Civil and Mechanical Engineering Programs
are accredited by the Pakistan Engineering Council, Islamabad.

PHARMACY

Pharm-D (Doctor of Pharmacy) Program
is recognized by the Pharmacy Council of Pakistan, Islamabad.

ALLIED HEALTH SCIENCES

Allied Health Sciences Programs
are allowed by the Higher Education Commission, Islamabad.

ENGINEERING TECHNOLOGY

Engineering Technology Programs
are accredited by the National Technology Council, Islamabad.

COMPUTER SCIENCE & IT

Computer Science Programs are accredited by the
National Computing Education Accreditation Council, Islamabad

BUSINESS ADMINISTRATION

Business Administration Program is accredited by the
National Business Education Accreditation Council Islamabad.

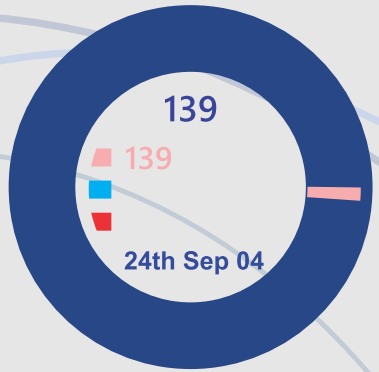
EDUCATION

Education Programs are accredited by the National
Accreditation Council for Teachers Education, Islamabad

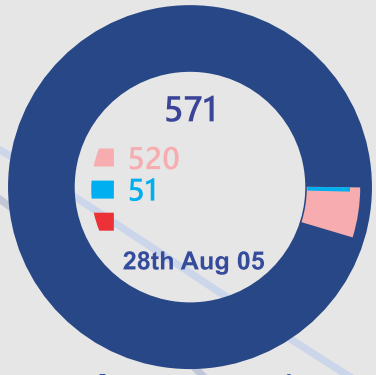
NURSING

Nursing Program is accredited by the
Pakistan Nursing & Midwifery, Islamabad

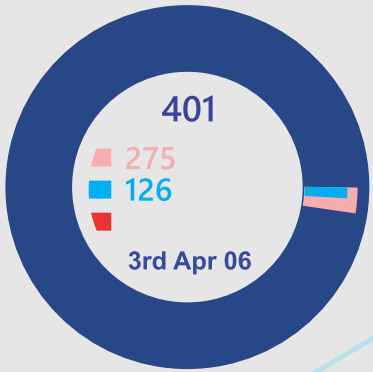
Number of Graduates Convocation-Wise



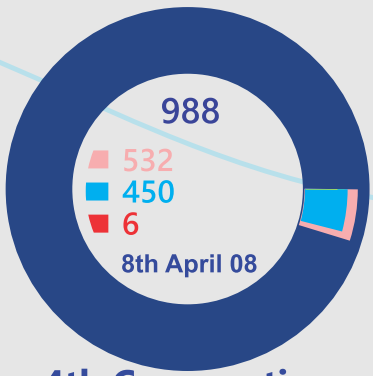
1st Convocation



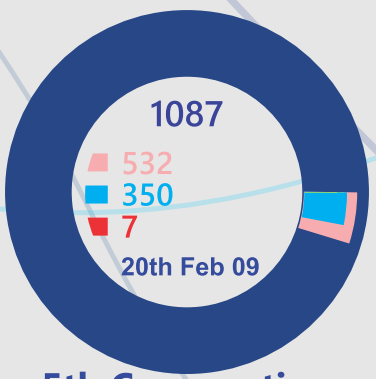
2nd Convocation



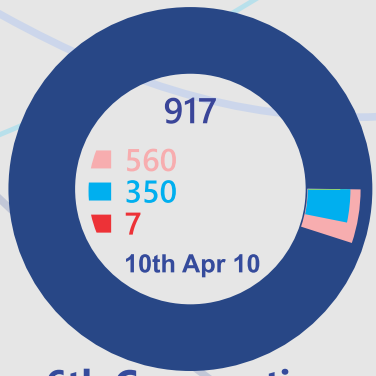
3rd Convocation



4th Convocation



5th Convocation



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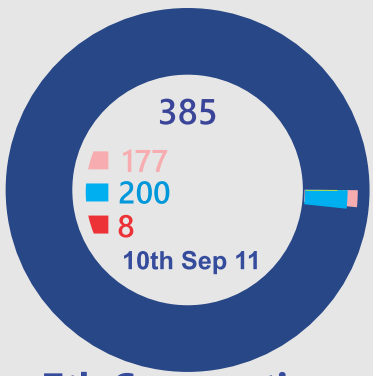
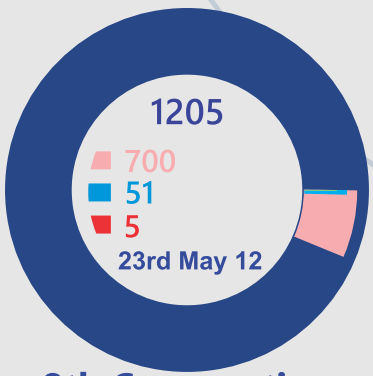
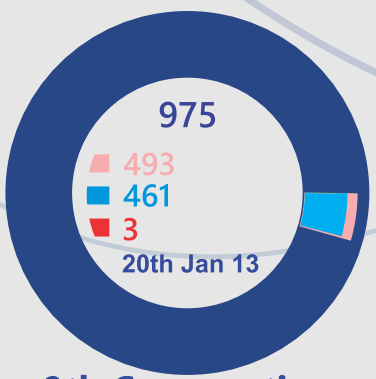


7th Convocation

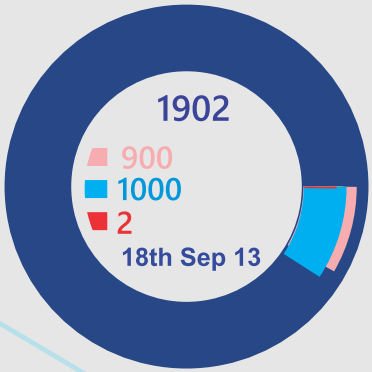


8th Convocation

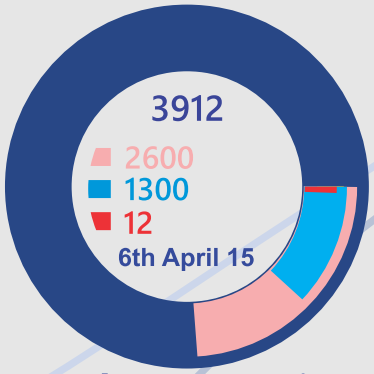


9th Convocation

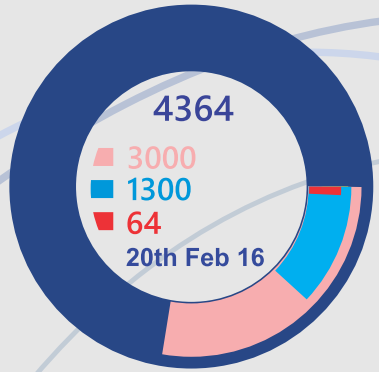
Number of Graduates Convocation-Wise



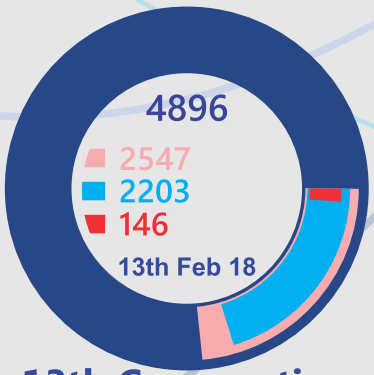
10th Convocation



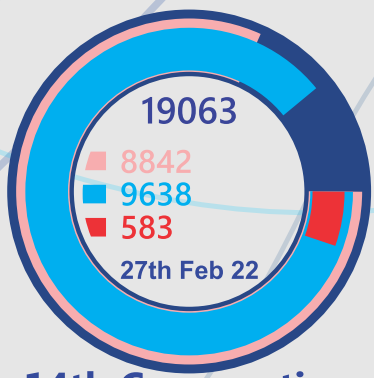
11th Convocation



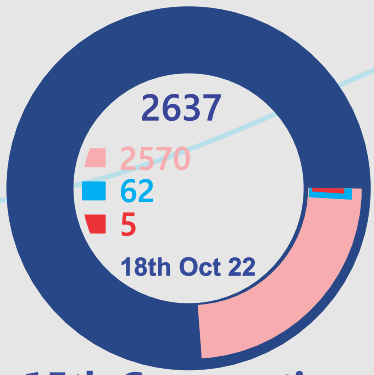
12th Convocation



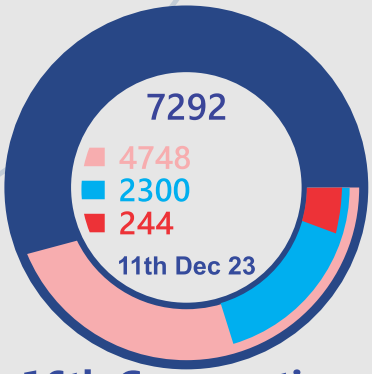
13th Convocation



14th Convocation



15th Convocation



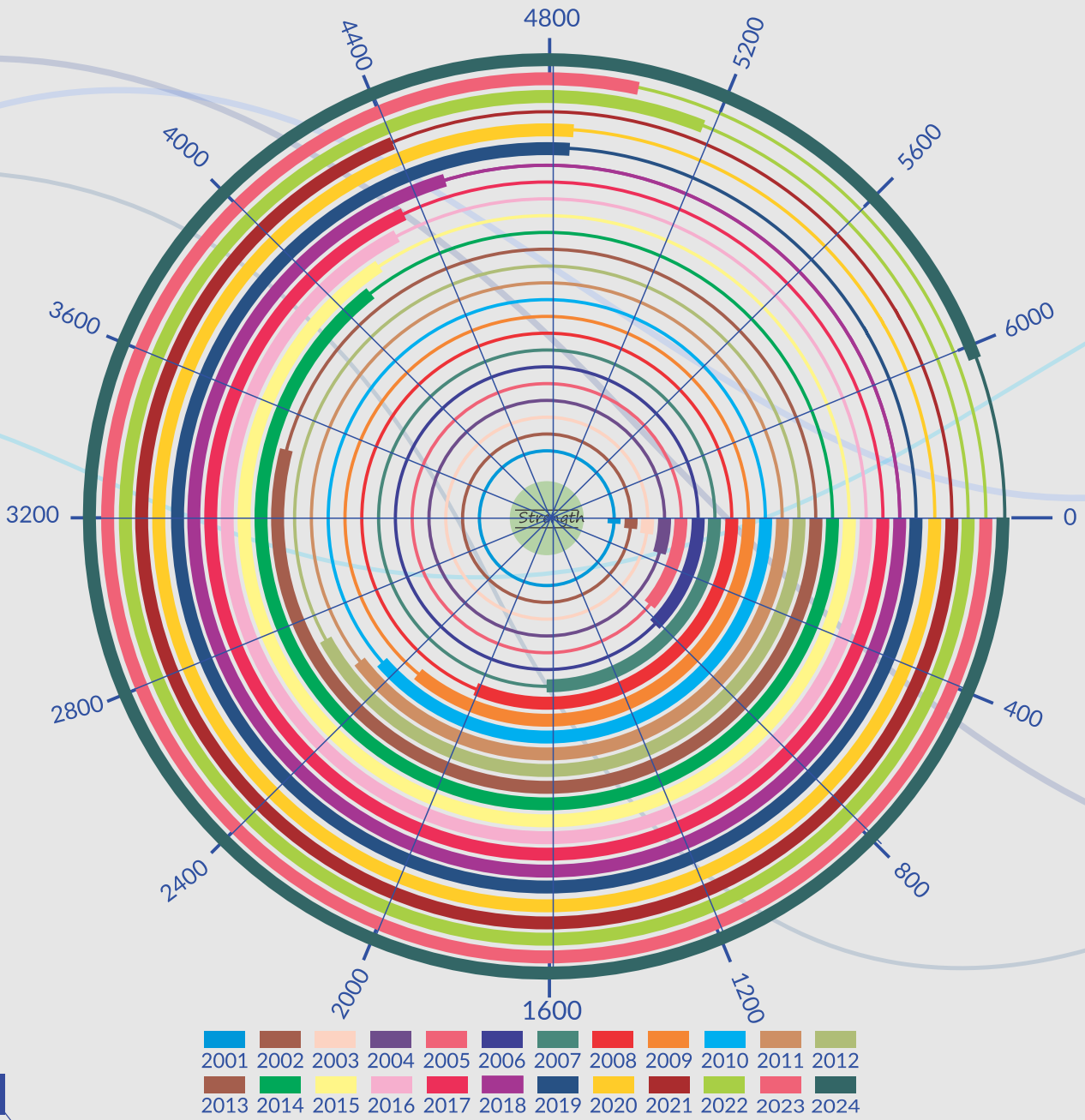
16th Convocation

BACHELOR

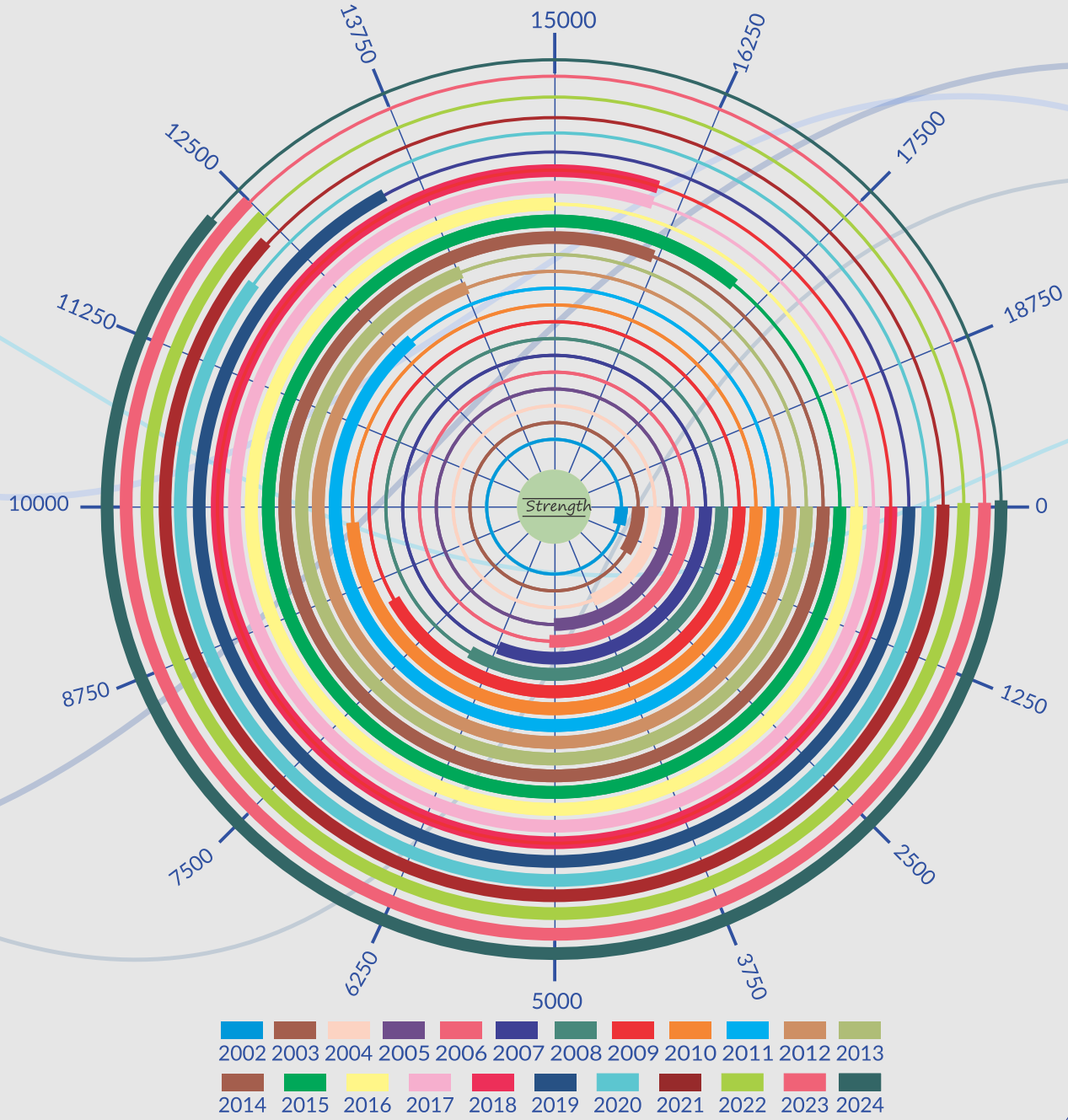
MASTERS

Ph.D/ MS/ M.Phil

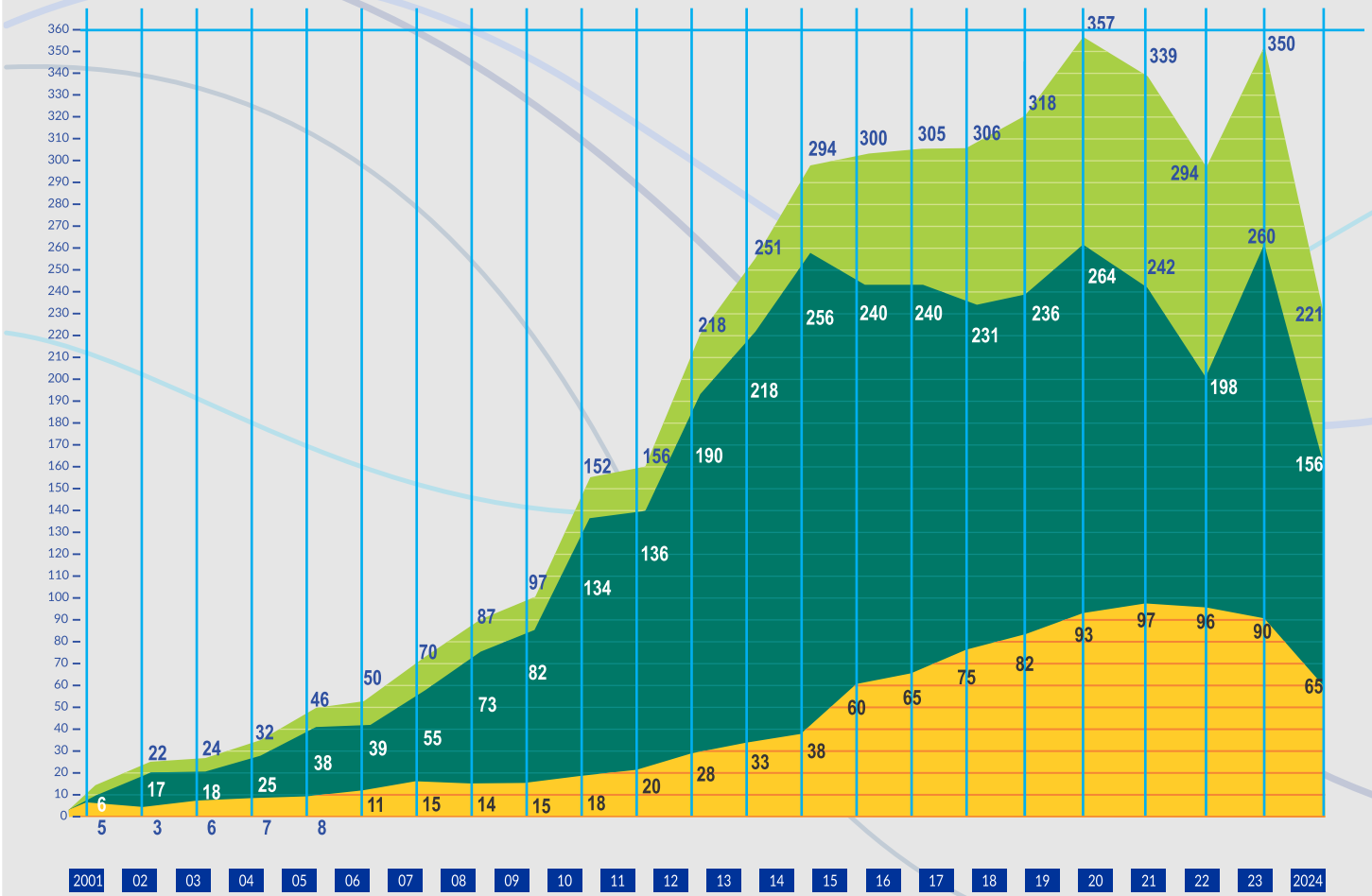
Student Strength at the Main Campus



Student Strength in the Distance Education



GROWTH IN FACULTY AT SARHAD UNIVERSITY



Launching of SUIT Islamabad Campus

Message from the President, SUIT

It is a matter of immense pleasure to share that in line with our vision, Sarhad University of Science & Information Technology, Peshawar is expanding its operations by establishing Islamabad Campus. It is my firm belief that due to its strong academic base, the city of Islamabad has a great potential for higher education. The youth of Islamabad has an immense desire to improve their qualification through Higher Education Institutions of repute. To this end, SUIT Islamabad Campus aims to prepare them to earn their livelihood with honour and dignity as well as to extend a helping hand to their parents, and siblings to lead respectable lives.

For a student, selecting a particular degree program for stepping into professional life is one of the most crucial decisions. Equally difficult is the choice of an institution of higher learning to pursue the selected degree program. For those who have reached this decision making stage, Sarhad University offers diverse fields of education at its Islamabad Campus. Additionally, Islamabad Campus of Sarhad University with state of the art buildings housing spacious classrooms, scientific and research laboratories, a huge library with latest books, Seminar Hall, dedicated parking space along with sports facilities is to cater for the academic needs of the youth of Islamabad regions.

During the last two decades, Sarhad University has acclaimed a reputable name in the educational circles of Pakistan and abroad. I am happy that a University having Charter from a comparatively less developed province of Pakistan, i.e. Khyber Pakhtunkhwa has achieved so many laurels to claim excellent academic standing among its counterparts.

I am confident that the management and faculty of the Islamabad Campus will work with sincerity, dedication, zeal and zest and produce graduates who will take upon themselves to take the country out of the crises that we face today.

Muhammad Riaz Karim

Message from the Vice Chancellor

I am pleased to record my message on the establishment of Islamabad Campus of Sarhad University of Science & Information Technology, Peshawar and offering admissions therein from Fall-2024 Session in different programs. I must say that Sarhad University has an outstanding national & international reputation, imparting quality education to a larger number of students in various fields of learning, earning HEC's highest rating of excellence for Engineering, Pharmacy, Allied Health Sciences, Nursing, Computing, Management and Social Sciences through its academic excellence. Establishment of Islamabad Campus with the approval of Higher Education Commission of Pakistan, is a landmark initiative which will not only cater for the educational needs of the youth of Islamabad Capital Territory but also for the majority of the adjoining areas.Since its inception in 2001, the University has passed through numerous ups and downs, but with the grace of Almighty ALLAH and the untiring efforts of the management and faculty, we successfully overcame the obstacles and hurdles in our way and kept the University on the path of progress and development. Today our graduates are effectively serving various Multi-National Companies and Organizations at Provincial and National levels in different capacities, whereas many joined foreign universities for higher studies. The University has always strived to provide relevant and purposeful education aimed at preparing its students to confront challenges in this competitive world. Sarhad University is not just addressing the issues of professional environment such as purpose-built campus, air-conditioned classrooms, and well equipped laboratories but, more importantly, it is concentrating on the most critical issues like faculty development, curricula tailored to latest innovations and present-day demands, quality enhancement, effective teaching & evaluation, community engagement and character building.I assure that the Islamabad Campus of Sarhad University will try its level best to disseminate quality education at the doorsteps of the prospective students of ICT and the adjoining areas. In the years to come, I foresee Sarhad University among the top ranking Universities of Pakistan and wish a glaring future to it.

Prof. Dr. Salim-ur-Rehman

Sarhad University of Science & IT, Islamabad Campus

The University achieved yet another milestone by establishing the Islamabad Campus with the approval of HEC, Islamabad granted vide letter No. 15(16)/A&A/Acc/HEC-2023/553, dated 28th August, 2023.

The Islamabad Campus, located at a posh area of Rawat, Islamabad is about to start its academic journey from Fall-202 4session.

Sarhad University of Science & IT, T-Chowk, GT Road, Rawat, Islamabad, Islamabad Capital Territory 44000

Tel: 051-3757628, 051-3757692, 051-3757695, 03288880918-9 Cell: 0328-8880916-7

Programs offered at SUIT Islamabad Campus

Department of Pharmacy

- Doctor of Pharmacy (Pharm-D) (5 years)

  Number of Seats: Morning: 100
  Evening: 100

Pharm-D Program is recognized by the Pharmacy Council of Pakistan.

Department of Allied Health Sciences

- Doctor of Physiotherapy (DPT) (5 years)
- BS Anesthesia Technology (4 years)
- BS Cardiology Technology (4 years)
- BS Dental Technology (4 years)
- BS Health Technology (4 years)
- BS Medical lab Technology (4 years)
- BS Nutrition & Dietetics (4 years)
- BS Radiology & Imaging Technology (4 years)
- BS Surgical Technology (4 years)
- BS Optometry Technology (4 years)
- BS Cardiac Perfusion Technology (4 years)
- BS Emergency & Intensive Care Technology (4 years)

Allied Health Sciences Programs are allowed by the HEC / Allied Health Professionals Council, Islamabad

Department of Nursing Sciences

- BS Nursing (4 years)

Recognition of Nursing Program by the Pakistan Nursing & Midwifery Council is under process.

Department of Computer Science & It

- BS Computer Science (4 years)
- BS Software Engineering (4 years)
- BS Artificial Intelligence (4 years)

Accreditation of the Computer Science & IT Programs by the NCEAC is under process.

Department Of Humanities

- BS English Language & Literature (4 years)

020

DEPARTMENTS

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Technologies

21-56

FACULTY OF ENGINEERING & TECHNOLOGY

Number of Seats

Bachelor of Science in:

Civil Engineering	100
Electrical Engineering	50
Mechanical Engineering	50

Reserved Seats for B-Tech (Hons)

Those having B-Tech (Hons) degree with at least 60% marks / 1st Division can apply against 2% reserved seats in their relevant disciplines (Civil, Electrical, and Mechanical). However, the reserved seats will be offered on Open Merit.

Department of Civil Engineering

Civil Engineering is known as an art of directing the great sources of power in nature for the use and convenience of human beings. Civil Engineering includes the research, development, planning, design, construction and maintenance associated with urban development, water supply, structure, energy generation and transmission, water treatment and disposal, and transportation systems. With the rapid increase in urbanization and industrialization, Civil Engineering has developed as a vibrant and challenging profession. Carving out meaningful careers in the arenas of building and managing infrastructures and sustaining environmental resources, civil engineers have to adopt the pace of technological change that could be an exciting and potentially rewarding challenge.

Vision

To establish a platform for producing Civil Engineers, imbibed with leadership qualities and moral character, for the professional growth and sustainable development.

Mission

To provide high quality Civil Engineering education that is essential for undertaking professional challenges, enhancing, teamwork talents communication and inter-personal skills, and for providing a socially acceptable workable solutions through continuous life-long learning processes.

Program Offered: Bachelor of Science in Civil Engineering

Faculty Members, Department of Civil Engineering

Engr. Prof. Dr. Arshad Ali	Head of Department	Ph.D Civil Engg. (Environmental Engg), UET Taxila
Engr. Prof. Fazle Khaliq	Professor	MSc Public Health Engg., UET, Lahore
Engr. Dr. Muhammad Rizwan	Associate Professor	Ph.D Civil Engg. (Structural Engg), UET Peshawar
Mr. Mumtaz Khan	Associate Professor	M.Phil Mathematics, Strathclyde University, Glagow, UK
Engr. Dr Hanif Ullah	Assistant Professor	Ph.D Civil Engg (Transportation Engg), CECOS University, Peshawar
Engr. Dr Fazli Karim	Assistant Professor	Ph.D Civil Engg. (Transportation Engg), UET Taxila
Engr. Shahab Ahmad	Coordinator	MS Civil Engg. (Environmental Engg), UET, Peshawar
Engr. Adil Shahzad	Assistant Professor	MSc Civil Engg (Structural Engg), UET Peshawar
Engr. Khurram Saleem	Assistant Professor	MS Hydro-Power Engg, UET Lahore
Engr. Arbab Imran Khan	Assistant Professor	MSc Transportation Engineering, UET Peshawar
Engr. Nadeem Shah	Assistant Professor	MS Civil Engg. (Structural Engg), CECOS University, Peshawar
Miss Asmarah Kanwal	Assistant Professor	MS Mathematics, UET Peshawar
Engr. Abdul Basit	Assistant Professor	MS Civil Engg (Structural Engg), CECOS University, Peshawar
Engr. Qamar Zaman	Lecturer	MS Remote Sensing and GIS, NUST Islamabad
Engr Muhammad Nouman	Lecturer	MS Civil Engg (Structural Engg), UET Peshawar
Engr. Tahir Ahmad	Lab Engineer	MS Structural Engg, Hohai University, China

Bachelor of Science in
Civil Engineering

Program Code	239
Number of Courses	50
Credit Hours	136

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates who have passed intermediate (Pre-Engineering/ *Pre-Medical/ *Computer Science) from a recognized BISE in Pakistan with at least 60% unadjusted marks.

*The candidates with an intermediate Pre-Medical or Computer Science background have to study an additional course of remedial Mathematics and Chemistry, respectively, during the initial 1-2 Semesters, in accordance with PEC guidelines.

II. Candidates possessing B-Tech (Hons) in the relevant field are also eligible for admission against the 2% reserved seats on open merit

III. Candidates possessing 3-years Post-Matric Diploma of Associate Engineer in the relevant technology with at least 60% unadjusted marks.

IV. All candidates are required to pass an entry test conducted by NTS / ETEA or any registered testing agency or University with at least 33% cumulative score.

Foreign candidates need to pass entry/aptitude test conducted by the University. For further details, see clause 4 in Admission Process.

Program Educational Objectives (PEOs) :

The following PEOs have been designed to address the requirement and expectations of various stakeholders, in accordance to the vision and mission of the Department of Civil Engineering.

PEO1 (Engineering Practice): Graduates will be knowledgeable and competent, and will play an effective role to meet the industrial requirements by providing best comprehensive solutions.

PEO2 (Professional Growth): Graduates will enhance learning through professional higher education and continued development of technical expertise.

PEO3 (Societal Service): Graduates will serve the society with professional obligations, displaying high moral and ethical standards.

PEO4 (Teamwork Abilities): Graduates will possess effective communication and inter-personal skills, along with teamwork abilities.

Outcome Based Education (OBE) System :

Outcome-based education (OBE) is an educational theory that bases each part of an educational system around the goals. By the end of the educational period, each student should have achieved the desired goals. The Department of Civil Engineering at SUIT has adopted Outcome Based Education (OBE) and Outcome Based Assessment (OBA) for its Bachelor of Science in Civil Engineering Degree Program since 2015, as recommended by Engineering Accreditation Board (EAB) of Pakistan Engineering Council, to satisfy the requirements of Washington Accord 2013. Currently, the framework of Civil Engineering Degree program at SUIT is set in accordance with the PEC Accreditation Manual 2019.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.18
CE 102	Civil Engineering Materials	2-1
EE 100	Applied Physics and Electro-Mechanical Fundamentals	2-1
CE 101	Engineering Drawing	1-2
GE 101	Functional English	3-0
MA 115	Quantitative Reasoning I	3-0
IT 107	Applications of ICT	2-1
CH 105	*Chemistry (Only for the students with ICS background)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
CE 107	Engineering Surveying	2-1
GS 120	Geology for Engineers	2-0
GS 123/240	Islamic Studies/ Ethics	2-0
CE 100	Engineering Mechanics	2-1
GE 201	Ideology and Constitution of Pakistan	2-0
CS 112	Computer Programming	2-1
MA 131	Quantitative Reasoning II	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs.18
CE 200	Civil Engineering Drawing and Graphics	1-2
CE 202	Advanced Engineering Surveying	2-1
CE 204	Fluid Mechanics	2-1
CE 105	Mechanics of Solids I	2-1
CE 234	Structural Analysis I	3-0
MA 201	Advanced Calculus	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.18
MGT 215	Construction Engineering	2-0
GS 221	Professional Ethics	2-0
MA 207	Applied Mathematics	3-0
CE 217	Mechanics of Solids II	2-1
CE 219	Soil Mechanics	2-1
MGT 300	Engineering Economics	2-0
CE 221	Quantity and Cost Estimation	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
MA 226	Numerical Analysis	3-0
CE 301	Advanced Fluid Mechanics	2-1
GE 301	Expository Writing	3-0
CE 303	Geotechnical Engineering	3-1
CE 305	Reinforced Concrete Design I	3-1

6th Semester

Course Code	Course Title	Cr. Hrs.17
CE 307	Reinforced Concrete Design II	3-1
CE 311	Environmental Engineering	2-1
CE 331	Structural Analysis II	3-0
CE 313	Engineering Hydrology	2-1
CE 321	Highway and Traffic Engineering	2-0
GE 303	Civics and Community Engagement	2-0

7th Semester

Course Code	Course Title	Cr. Hrs.15
CE 410	Foundation Engineering	2-0
CE 333	Pavement Analysis and Design	2-1
CE 335	Modelling and Simulation	1-1
CE 337	Hydraulics Engineering	2-1
MGT 441	Project Management	2-0
RES 480	FYDP (Part I)	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.15
CE 408	Irrigation Engineering	2-1
CE 250	Geoinformatics	1-1
CE 421	Steel Structures	2-0
CE 409	Architecture and Town Planning	2-0
CE 440	Occupational Health and Safety	1-0
MGT 270	Entrepreneurship	2-0
RES 480	FYDP (Part II)	0-3

Program Learning Outcomes (PLOs)

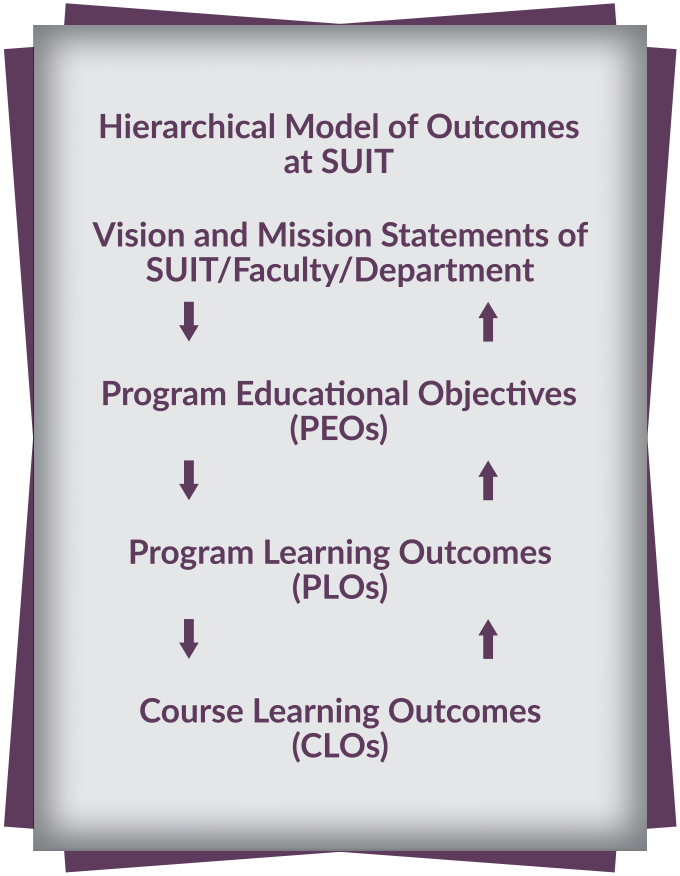
PLO-01 **Engineering Knowledge:** Apply knowledge of mathematics, natural science, engineering fundamentals and engineering specialization to the solution of complex engineering problems. (WK-1-WK-4)

PLO-02 **Problem Analysis:** Identify, formulate, conduct research literature and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. (WK-1-WK-4)

PLO-03 **Design/Development of Solution:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations. (WK-5)

PLO-04 **Investigation:** Conduct investigation of complex engineering problems using research-based knowledge and research methods, including design of experiments, analysis, and interpretation of data, and synthesis of information to provide valid conclusions. (WK-8)

PLO-05	**Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modeling, to complex Engineering problems, with an understanding of the limitations. (WK-2 and WK-6)
PLO-06	**The Engineer and the World**: Analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems. (WK-1,WK-5, and WK-7)
PLO-07	**Ethics:** Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant National & International laws. Demonstrate an understanding of the need for diversity and inclusion. (WK-9)
PLO-08	**Individual and Collaborative Team Work:** Function effectively as an individual, and as a members or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings.
PLO-09	**Communication:** Communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, and make effective presentations, taking into account cultural, language, and learning differences. (WK-1 and WK-9)
PLO-10	**Project Management and Finance:** Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member & leader in a team, to manage projects in multidisciplinary environments. (WK-2 and WK-5)
PLO-11	**Life-Long Learning:** Recognize the need for, and have the preperation and ability for I) independent and life-long learning ii) adaptability to new and emerging technologies iii) critical thinking in the broadest context of technological change. (WK-8 and WK-9)



Department of Electrical Engineering

Keeping in view the importance and realizing the impact of the different branches of Electrical Engineering on the socio-economic growth of our country, Sarhad University decided to launch Electrical Engineering Degree Program. The Degree program is so designed that it provides an opportunity to the enrolled students to select and opt for studying the courses either in Power Engineering Group, Telecommunication Engineering Group or Electronics Engineering Group, depending upon the aptitude of the students which they may develop during their initial courses of the study, and / or most importantly, based on the market demand for a particular group of Electrical Engineering. During the first two years (4 Semesters) of the four year Degree program (eight Semesters), courses are offered which cover the common fundamentals of all the major fields in Electrical Engineering. However, in the next two years, emphasis is laid on specialized option with a view to enhance career prospects. For the last two years, courses are carefully designed in terms of Power, Electronics and Communication Groups of Electrical Engineering enabling students for better understanding of their areas of interest. The Bachelor Program in Electrical Engineering is accredited by the Pakistan Engineering Council.

Mission

To produce graduate equipped with state-of-the-art education, in-depth knowledge and relevant skills to foster research and development activities, expose them to the complete cycle of research process and emphasize on the precept of how innovation blended with creativity can result in viable and meaningful research outcomes

Program Offered: Bachelor of Science in Electrical Engineering

Faculty Members, Department of Electrical Engineering

Engr. Dr. M. Abid Saeed	Head of Department	Ph.D Electrical Engineering (Control System), Shanghai Jiao Tong University, China
Engr. Dr. Obaid Ur Rehman	Professor	Ph.D Electrical Engineering, Zhejiang University, China
Dr. Azhar Ali	Associate Professor	Ph.D Mathematics, Islamia College University, Peshawar
Engr. Muhammad Iqbal Khan	Coordinator	MS Electrical Engineering, Sarhad University, Peshawar
Engr. Shahid Alam	Assistant Professor	MS Electrical Engineering, UET, Peshawar
Engr. Saleh Lutfullah Kakakhel	Assistant Professor	MS Electrical Engineering, Sarhad University, Peshawar
Engr. Mohsin Iqbal	Assistant Professor	MS Electrical Engineering, Sarhad University, Peshawar
Engr. Noman Muslim	Lecturer	MS Electrical Engineering, Sarhad University, Peshawar
Engr. Iftikhar Khan	Lecturer	MS Electrical Engineering, CECOS University, Peshawar
Engr. Syed Dildar Hussain Shah	Lecturer	MS Electrical Engineering, Sarhad University, Peshawar
Engr. Syed Noman Shah	Lab Engineer	BSc Electrical Engineering, City University, Peshawar

Bachelor of Science in Electrical Engineering

Program Code	240
Number of Courses	40
Credit Hours	134

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates who have passed intermediate (Pre-Engineering/ *Pre-Medical/ *Computer Science) from a recognized BISE in Pakistan with at least 60% unadjusted marks.

*The candidates with an intermediate Pre-Medical or Computer Science background have to study an additional course of remedial Mathematics and Chemistry, respectively, during the initial 1-2 Semesters, in accordance with PEC guidelines.

II. Candidates possessing B-Tech (Hons) in the relevant field are also eligible for admission against the 2% reserved seats on open merit

III. Candidates possessing 3-years Post-Matric Diploma of Associate Engineer in the relevant technology with at least 60% unadjusted marks.

IV. All candidates are required to pass an entry test conducted by NTS / ETEA or any registered testing agency or University with at least 33% cumulative score.

Foreign candidates need to pass entry/aptitude test conducted by the University. For further details, see clause 4 in Admission Process.

Program Educational Objectives (PEOs) :

The Department of Electrical Engineering at Sarhad University Peshawar has adopted the following three program educational objectives (PEOs). All of the PEOs have been devised keeping in view the vision and mission of the university and the professional requirements in the domain of Electrical Engineering. PEO's are aligned with United Nation SDG's.

PEO-1: **Technical Proficiency and Problem Solving:** Graduates will possess the knowledge to investigate, analyze, and solve to provide innovative solutions for complex engineering problems.

PEO-2: **Leadership and Societal Impact:** Graduates will be equipped to serve and lead for the socio-economic and environmental development of the country.

PEO-3: **Lifelong Learning and Professional Development:** Graduates will demonstrate a lifelong learning attitude, entrepreneurial and soft skills with a strong commitment to ethical values.

Outcome Based Education (OBE) System :

OBE is an approach of curriculum design and teaching that focuses on what students should be able to do (attain) at the end of course/ program. The Undergraduate curriculum at Department of Electrical Engineering, Sarhad University was transformed into adopting OBE from Spring 2018 in accordance with requirements from Pakistan Engineering Council Accreditation Manual 2019 and to satisfy the requirements of Washington Accord 2013. The framework for OBE in the Electrical Engineering Department and the process control mechanism consists of four different phases i.e. design, assess, analyze and review. For each of the phases Program Educational Objectives (PEOs), Program Learning Outcomes (PLOs) and Course Learning Outcomes (CLOs), are defined.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
ENG 100	Functional English	3-0
MA 111	Calculus and Analytical Geometry	3-0
EE 111	Linear Circuit Analysis	3-0
EE 111L	Linear Circuit Analysis Lab	0-1
CS 100	Applications of ICT	2-0
CS 100L	Applications of ICT Lab	0-1
ME 221L	Engineering Drawing & Autocad	0-1
GS 121	Applied Physics	2-0
GS 121L	Applied Physics Lab	0-1
CH 103	Chemistry (For the students of FCS background only)	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
MA 211	Differential Equations	3-0
MA 221	Numerical Analysis	3-0
EE 224L	Workshop Practice	0-1
GE 109	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
CS 121	Computer Programming	3-0
CS 121L	Computer Programming Lab	0-1
EE121	Electronics Devices and Circuits	3-0
EE121L	Electronics Devices and Circuits Lab	0-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
MA 240	Complex Variables and Transforms	3-0
ECO 222	Engineering Economics	2-0
EE 122	Digital Logic Design	3-0
EE 122L	Digital Logic Design Lab	0-1
CS 245	Data Structures and Algorithms	3-0
CS 245L	Data Structures and Algorithm Lab	0-1
ME 200	Occupation Health and Safety	1-0
EE 212	Electrical Network Analysis	3-0
EE 212L	Electrical Network Analysis Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
ENG 311	Communication & Presentation Skills	2-0
MA 121	Applied Linear Algebra	3-0
GS 123/240	Islamic Studies/ Value, Ethics & Society (for Non-Muslims)	2-0
EE 314	Probability Methods in Engineering	3-0
EE 213	Signals & Systems	3-0
EE 213L	Signals & Systems Lab	0-1
EE 323	Electromagnetic Field Theory	3-0

5th Semester

Course Code	Course Title	Cr. Hrs.17
EE 211	Electrical Machines	3-0
EE 211L	Electrical Machines Lab	0-1
EE 316	Microprocessor Architecture & Assembly Language	3-0
EE 316L	Microprocessor Architecture & Assembly Language Lab	0-1
EE 221	Communication Systems	3-0
EE 221L	Communication Systems Lab	0-1
GE 303	Civics and Community Engagement	1-1
CE 102	Hydraulics	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.16
ENG 355	Expository Writing	3-0
EE 321	Linear Control Systems	3-0
EE 321L	Linear Control Systems Lab	0-1
EE 363	Power Distribution and Utilization	3-0
EE 363L	Power Distribution and Utilization Lab	0-1
MGT 372	Project Management	2-0
	Elective-I	3-0

7th Semester

Course Code	Course Title	Cr. Hrs.17
GS 422	Professional Ethics	3-0
	Elective-II	3-1
	Elective-III	3-0
	Elective-IV	3-1
RES 480	Final Year Project-I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.15
GS 422	Entrepreneurship	2-0
EE 426	Artificial Intelligence	3-0
EE 453	Electrical Power Transmission	3-0
	Elective-V	3-1
RES 480	Final Year Project-II	0-3

Electives:

Power Track

Course Code	Course Title	Cr. Hrs.
EE 334	Industrial Electronics	3-0
EE 334L	Industrial Electronics (Lab)	0-1
EE 326	Electrical Machine Analysis and Design	3-0
EE 326L	Electrical Machine Analysis and Design (Lab)	0-1
EE 410	Power System Protection	3-0
EE 410L	Power System Protection (Lab)	0-1
EE 423	Advanced Electrical Machines	3-0
EE 423L	Advanced Electrical Machines (Lab)	0-1
EE 453	Electrical Power Transmission	3-0
EE 453L	Electrical Power Transmission (Lab)	0-1
EE 417	Power Electronics	3-0
EE 417L	Power Electronics (Lab)	0-1
EE 466	PLC and Industrial Drives	3-0
EE 466L	PLC and Industrial Drives (Lab)	0-1
EE 431	Power System Operation & Control	3-0
EE 310	Power Generation	3-0
EE 451	Power Economics & Management	3-0
EE 452	Renewable Energy Systems	3-0
EE 454	Fundamentals of High Voltage Engg.	3-0
EE 412	Digital Control Systems	3-0
EE 461	Integrated Electronic Circuit	3-0
EE 435	Power Generation & Utilization	3-0
EE 308	Power System Analysis	3-0
EE 308L	Power System Analysis (Lab)	0-1
EE 322	Introduction to Power Engineering	3-0

Communication Track

Course Code	Course Title	Cr. Hrs.
COM 308	Wave Propagation & Antenna	3-0
COM 308L	Wave Propagation & Antenna (Lab)	0-1
EE 439	Microwave Engineering	3-0
EE 439L	Microwave Engineering (Lab)	0-1
EE 338	Digital Communication	3-0
EE 338L	Digital Communication (Lab)	0-1
EE 429	Radar Systems & Television	3-0
EE 429L	Radar Systems & Television (Lab)	0-1
EE 441	Multimedia Communication	3-0
EE 441L	Multimedia Communication (Lab)	0-1
COM 385	Telecom Transmission and Switching	3-0
EE 426	Artificial Intelligence	3-0
COM 408	Optical Fiber Communication	3-0
COM 470	Satellite Communication Systems	3-0
COM 350	Mobile Communication	3-0
EE 425	Electromagnetic Compatibility	3-0

Electronics Track

Course Code	Course Title	Cr. Hrs.15/17
EE 431	VLSI Design	3-0
EE 431L	VLSI Design (Lab)	0-1
EE 401	Digital System Design	3-0
EE 401L	Digital System Design (Lab)	0-1
EE 334	Industrial Electronics	3-0
EE 334L	Industrial Electronics (Lab)	0-1
EE 429	Radar Systems & Television	3-0
EE 429L	Radar Systems & Television (Lab)	0-1
EE 435	Digital Electronics	3-0
EE 435L	Digital Electronics (Lab)	0-1
EE 433	Industrial Process Control	3-0
EE 433L	Industrial Process Control (Lab)	0-1
EE 441	Digital Instrumentation	3-0
EE 442	Digital Instrumentation (Lab)	0-1
EE 439	Microwave Engineering	3-0
EE 439L	Microwave Engineering (Lab)	0-1
COM 326	Computer Communication Networks	3-0
COM 326L	Computer Communication Networks (Lab)	0-1
EE 480	Solid State Devices	3-0
EE 480L	Solid State Devices (Lab)	0-1
EE 322	Introduction to Power Engineering	3-0
EE 417	Power Electronics	3-0
EE 417L	Power Electronics (Lab)	0-1
COM 308	Wave Propagation & Antenna	3-0
COM 308L	Wave Propagation & Antenna (Lab)	0-1
EE 427	Digital Image Processing	3-0
EE 412	Digital Control Systems	3-0
EE 428	Computer Vision	3-0
EE 314	Opto Electronics	3-0
COM 470	Satellite Communication Systems	3-0
EE 425	Electromagnetic Compatibility	3-0
EE 327	Advanced Electronics	3-0
EE 347	Transmission Lines and Waveguides	3-0
EE 347L	Transmission Lines and Waveguides (Lab)	0-1
EE 339	Electronics Circuit Design	3-0
EE 339L	Electronics Circuit Design (Lab)	0-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Program Learning Outcomes (PLOs)

PLO-01 **Engineering Knowledge:** Apply knowledge of mathematics, natural science, engineering fundamentals and engineering specialization to the solution of complex engineering problems. (WK-1-WK-4)

PLO-02 **Problem Analysis:** Identify, formulate, conduct research literature and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. (WK-1-WK-4)

PLO-03 **Design/Development of Solution:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations. (WK-5)

PLO-04 **Investigation:** Conduct investigation of complex engineering problems using research-based knowledge and research methods, including design of experiments, analysis, and interpretation of data, and synthesis of information to provide valid conclusions. (WK-8)

PLO-05 **Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modeling, to complex Engineering problems, with an understanding of the limitations. (WK-2 and WK-6)

PLO-06 **The Engineer and the World**: Analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems. (WK-1,WK-5, and WK-7)

PLO-07 **Ethics:** Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant National & International laws. Demonstrate an understanding of the need for diversity and inclusion. (WK-9)

PLO-08 **Individual and Collaborative Team Work:** Function effectively as an individual, and as a members or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings.

PLO-09 **Communication:** Communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, and make effective presentations, taking into account cultural, language, and learning differences. (WK-1 and WK-9)

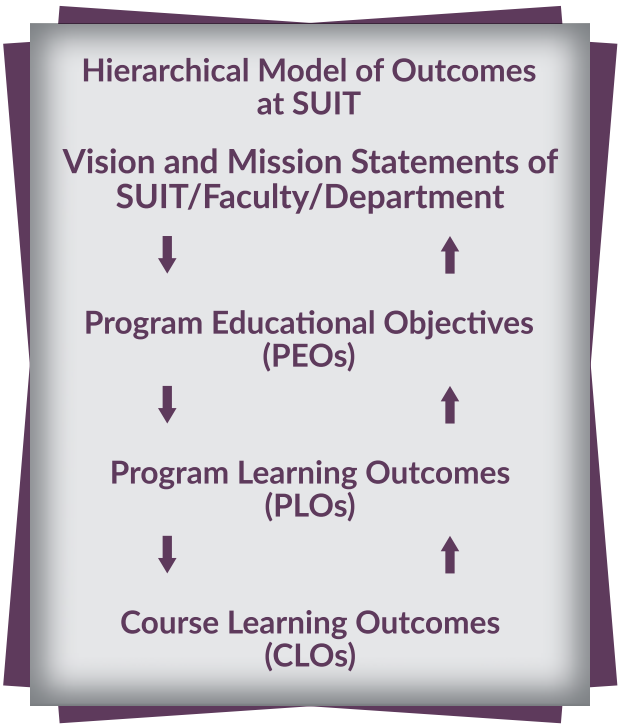
PLO-10 **Project Management and Finance:** Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member & leader in a team, to manage projects in multidisciplinary environments. (WK-2 and WK-5)

PLO-11 **Life-Long Learning:** Recognize the need for, and have the preperation and ability for

I) independent and life-long learning

ii) adaptability to new and emerging technologies

iii) critical thinking in the broadest context of technological change. (WK-8 and WK-9)



Department of Mechanical Engineering

Mechanical engineering is one of the oldest and broadest of all engineering disciplines. Mechanical engineers design, analyze, and manufacture new products and technologies in order to address society's needs. Graduates of this program are employed by government agencies, multinational corporations, consulting firms, and universities. They can work in the areas of research, design, manufacturing, sales, quality assurance, and management.

Since launching the program in the year 2008, Sarhad University has developed the required facilities related to faculty, classrooms, library and laboratories, in accordance with the guidelines of the Pakistan Engineering Council.

It is possible for graduates of this program to specialize in the areas of mechanical engineering design, thermo-fluid systems, energy systems, air conditioning and refrigeration, manufacturing engineering, engineering management, mechatronics, building services, and micro and nano technologies.

Vision

To nurture academic and economic vitality through teaching, research, and outreach in the field of Mechanical Engineering in order to improve the quality of life.

Mission

To provide the students a high quality education in Mechanical Engineering and Allied disciplines to maintain a recognition through service to the National and Interactional community.

Program Offered: Bachelor of Science in Mechanical Engineering

Faculty Members, Department of Mechanical Engineering

Engr. Dr. Sohail Gohar	Head of Department	MS Mechanical Engineering, GIKI Swabi
Engr. Abdul Hadi	Associate Professor	MS Mechanical Engineering, Shiraz University, Iran
Engr. Mian Muhammad Asim Zahir	Assistant Professor	MS Mechanical Engineering, NUST, Islamabad
Engr. Muhammad Irfan	Assistant Professor	MS Mechanical Engineering, UET Peshawar
Engr. Muhammad Ilyas	Assistant Professor	MS Engineering Management, Sarhad University, Peshawar
Engr. Zeeshan Wazir	Assistant Professor	MS Engineering Management, Sarhad University, Peshawar
Engr. Riaz Hussain	Coordinator	MS Mechanical Engineering, Sarhad University, Peshawar
Engr. Abdul Samad Khan	Lecturer	MS Mechanical Engineering, GIKI, Swabi
Engr. Mohsin Amin	Lecturer	MS Mechanical Engineering, GIKI, Swabi
Engr. Muhammad Rohan Shafiq	Lab Engineer	MS Mechanical Engineering, GIKI, Swabi

Bachelor of Science in
Mechanical Engineering

Program Code	241
Number of Courses	59
Credit Hours	134

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates who have passed intermediate (Pre-Engineering/ *Pre-Medical/ *Computer Science) from a recognized BISE in Pakistan with at least 60% unadjusted marks.

*The candidates with an intermediate Pre-Medical or Computer Science background have to study an additional course of remedial Mathematics and Chemistry, respectively, during the initial 1-2 Semesters, in accordance with PEC guidelines.

II. Candidates possessing B-Tech (Hons) in the relevant field are also eligible for admission against the 2% reserved seats on open merit

III. Candidates possessing 3-years Post-Matric Diploma of Associate Engineer in the relevant technology with at least 60% unadjusted marks.

IV. All candidates are required to pass an entry test conducted by NTS / ETEA or any registered testing agency or University with at least 33% cumulative score.

Foreign candidates need to pass entry/aptitude test conducted by the University. For further details, see clause 4 in Admission Process.

Program Educational Objectives (PEOs) :

PEO-01 To produce graduates with strategic thinking and essential knowledge in diverse areas of Mechanical Engineering & possesses requisite skills for working in industry and solving real life problems.

PEO-02 To produce graduates who are sensitive to the social, ethical, cultural and the environmental aspects of engineering solutions.

PEO-03 To produce graduates capable of performing and communicating as effective engineering professionals in both individual and team based project environment with a tendency to enhance their knowledge, skills and professional development.

Outcome Based Education (OBE) System :

OBE is an approach of curriculum design and teaching that focuses on what students should be able to do (attain) at the end of course/ program. The Undergraduate curriculum at Department of Mechanical Engineering, Sarhad University was transformed into adopting OBE from Spring 2018 in accordance with requirements from Pakistan Engineering Council Accreditation Manual 2014 and to satisfy the requirements of Washington Accord 2013. The framework for OBE in the Mechanical engineering department and the process control mechanism consists of four different phases i.e. design, assess, analyze and review. For each of the phases, Program Educational Objectives (PEOs), Program Learning Outcomes (PLOs) and Course Learning Outcomes (CLOs), are defined.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.18
GS 123/ 240	Islamic Studies/ Ethics	2-0
MA 103	Calculus and Analytical Geometry	3-0
GE 101	Functional English	3-0
GS 115	Applied Physics	2-0
GS 115L	Applied Physics Lab	0-1
CS 100	Applications of ICT	2-0
CS 100L	Applications of ICT Lab	0-1
ME 100	Engineering Drawing & Graphics	1-0
ME 100L	Engineering Drawing & Graphics Lab	0-1
ME 107	Workshop Practice	1-0
ME 107L	Workshop Practice Lab	0-1
CH 105	*Chemistry (Audit Basis)	2-0
QT 100	*Quran-e-Majeed Teaching (Audit Basis)	3-0
MA 112	*Mathematics-I (Audit Basis)	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
MA 104	Linear Algebra and Differential Equations	3-0
EE 211	Electrical Engineering	2-0
ME 231	Computer Aided Drawing	0-1
ME 106	Engineering Mechanics-I (Statics)	3-0
ME 130	Thermodynamics-I	3-0
ME 221	Materials Engineering	2-0
GE 303	Civics and Community Engagement	2-0
GE 201	Ideology and Constitution of Pakistan	2-0
MA 113	*Mathematics-II (Audit Basis)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs.18
ME 205	Engineering Mechanics-II (Dynamics)	2-0
ME 301	Mechanics of Materials-I	3-0
CS 116	Computer System & Programming	2-0
CS 116L	Computer System & Programming Lab	0-1
MA 210	Complex Variables & Transforms	3-0
ME 215	Fluid Mechanics-I	3-0
ME 309	Thermodynamics-II	2-0
ME 207	Engineering Mechanics Lab	0-1
ME 310	Thermodynamics Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
ME 315	Measurement and Instrumentation	2-0
ME 311	Mechanics of Materials-II	3-0
ME 323	Fluid Mechanics-II	2-0
ME 229	Machine Design-I	2-0
EE 130	Electronics Engineering	2-0
EE 214	Electrical and Electronics Engineering Lab	0-1
GE 301	Expository Writing	3-0
ME 325	Fluid Mechanics Lab	0-1
ME 327	Mechanics of Materials Lab	0-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
ME 307	Manufacturing Processes	2-0
ME 307L	Manufacturing Processes Lab	0-1
ME 223	Mechanics of Machines	2-0
ME 317	Control Engineering	2-0
ME 347	Heat & Mass Transfer	3-0
CS 215	Applied Artificial Intelligence & Machine Learning	2-0
CS 215L	Applied Artificial Intelligence & Machine Learning Lab	0-1
ME 319	Measurement & Instrumentation and Control Lab	0-1
MA 308	Numerical Analysis	2-0
MA 308L	Numerical Analysis Lab	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.16
ECO 307	Engineering Economics	2-0
ME 405	Heating, Ventilating & Air Conditioning	3-0
ME 330	Machine Design-II	2-0
ME 409	Finite Element Methods	2-0
ME 409L	Finite Element Methods Lab	0-1
ME 407	HVAC and H&M Lab	0-1
MA 204	Applied Statistics	3-0
MGT 441	Project Management	2-0

7th Semester

Course Code	Course Title	Cr. Hrs.15
ME 336	Mechanical Vibrations	3-0
ME 333	Internal Combustion Engines	2-0
ME 333L	Internal Combustion Engines Lab	0-1
ME 424	Power Plant	2-0
ME 424L	Power Plant Lab	0-1
GE 311	Professional Ethics	2-0
ME 321	Mechanisms and Mechanical Vibration Lab	0-1
RES 491	FYDP-I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.15
ME 418	Reverse Engineering & Inspection Techniques	2-0
ME 418L	Reverse Engineering & Inspection Techniques Lab	0-1
ME 403	Mechatronics & Robotics Engineering	2-0
ME 403L	Mechatronics & Robotics Engineering Lab	0-1
ME 433	Maintenance Engineering	3-0
MGT 270	Entrepreneurship	2-0
CE 440	Occupational Health & Safety	1-0
RES 492	FYDP -II	0-3

Program Learning Outcomes (PLOs) / Graduating Attributes (Ga's):

GA-01 **Engineering Knowledge:** Apply knowledge of mathematics, natural science, engineering fundamentals and engineering specialization to the solution of complex engineering problems. (WK-1-WK-4)

GA-02 **Problem Analysis:** Identify, formulate, conduct research literature and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences. (WK-1-WK-4)

GA-03 **Design/Development of Solution:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations. (WK-5)

GA-04 **Investigation:** Conduct investigation of complex engineering problems using research-based knowledge and research methods, including design of experiments, analysis, and interpretation of data, and synthesis of information to provide valid conclusions. (WK-8)

GA-05 **Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modeling, to complex Engineering problems, with an understanding of the limitations. (WK-2 and WK-6)

GA-06 **The Engineer and the World**: Analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems. (WK-1,WK-5, and WK-7)

GA-07 **Ethics:** Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant National & International laws. Demonstrate an understanding of the need for diversity and inclusion. (WK-9)

GA-08 **Individual and Collaborative Team Work:** Function effectively as an individual, and as a members or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings.

GA-09 **Communication:** Communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, and make effective presentations, taking into account cultural, language, and learning differences. (WK-1 and WK-9)

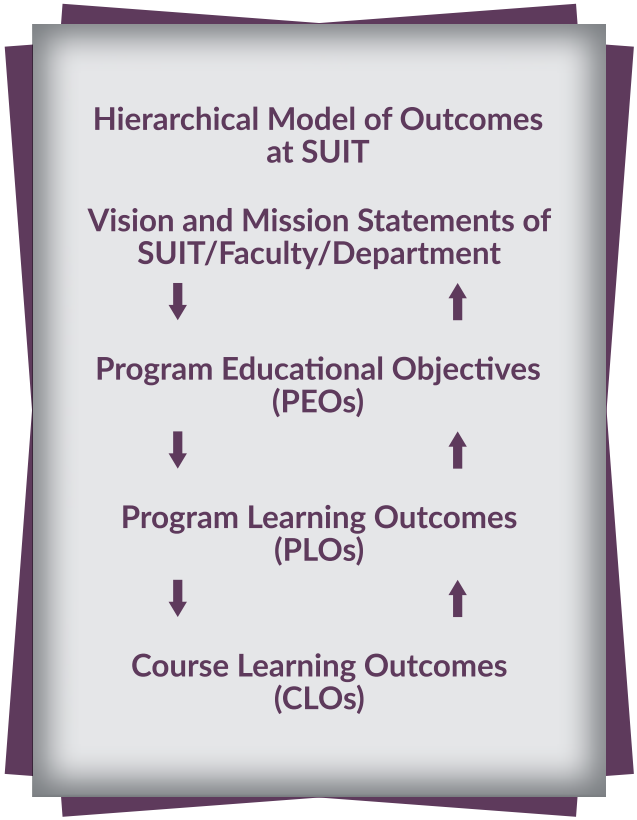
GA-10 **Project Management and Finance:** Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member & leader in a team, to manage projects in multidisciplinary environments. (WK-2 and WK-5)

GA-11 **Life-Long Learning:** Recognize the need for, and have the preperation and ability for

I) independent and life-long learning

ii) adaptability to new and emerging technologies

iii) critical thinking in the broadest context of technological change. (WK-8 and WK-9)



Department of Technologies

Technology can be a powerful tool for transforming learning. It can help affirm and advance relationships between educators and students, reinvent our approaches to learning and collaboration, shrink long-standing equity and accessibility gaps, and adapt learning experiences to meet the needs of all learners. The Department of Technologies focuses on students to prepare them as an efficient engineering technologist and to compose him/her professionally trained in certain aspects of development and implementation of a respective area of technology in order to boost industrialization, economic growth of society, and empower all students to be successful citizens of Pakistan.

Department of Technologies since its establishment is playing a vital role by providing outstanding graduates to the society and is acting as incubators of exploration and invention. The syllabus is continually under development and review as per HEC and NTC guidelines. We are collaborators in learning, seeking new knowledge and constantly acquiring new skills alongside our students. We have set a vision for creating learning experiences that provide the right tools and supports for all learners to thrive. We have state-of-the-art laboratories, library and other allied facilities where students can enhance their practical skills. Also, industrial/field visits are arranged on regular basis to boost and prepare the students for market.

Vision

Achieving excellence in Engineering Technology programs boosting professionalism and sustainable development.

Mission

To produce graduates capable of applying their technical knowledge and skills to serve the society with professionalism and ethical norms.

Programs Offered:

Bachelor of Science in Civil Engineering Technology

Bachelor of Science in Electrical Engineering Technology

Bachelor of Science in Architectural Engineering Technology

Bachelor of Science in Information Security Engineering Technology

Bachelor of Science in Mechanical Engineering Technology

Faculty Members, Department of Technologies

Engr. Muhammad Faisal Khan	Director	MSc Electrical Engineering (Power), UET Peshawar
Mr. Hasnain Ali	Coordinator	MS Engineering Management, Sarhad University, Peshawar
Engr. Obaid Ur Rehman	Coordinator	MS Civil Engineering (Structural Engg), CECOS University, Peshawar
Engr. Syed Zia Ud Din	Assistant Professor	MS Electrical Engineering, COMSATS, Islamabad
Engr. Fayaz Ahmad	Assistant Professor	MS Electrical Engineering (Power), Sarhad University, Peshawar
Mr. Zabih Ullah	Lecturer	M-Tech Civil (Structure), CECOS University, Peshawar
Mr. Sajjad Hussain	Lecturer	MS Civil Engineering Technology, Sarhad University, Peshawar
Engr. Zahid Hussain	Assistant Prof. (on leave)	MS Engineering Management, Sarhad University, Peshawar

Bachelor of Science in
Civil Engineering Technology

Program Code	149
Number of Courses	42 + Project + SIT
Credit Hours	133

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

3 Years Diploma of Associate Engineers from Technical Board in the relevant technology or F.Sc Pre-Engineering / Pre Medical from any Intermediate Board with at-least 50% marks or equivalent qualification.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an aptitude Test / Interview conducted by the university.

Program Mission:

To impart technical education and training for producing Civil Engineering Technologist capable of serving the society for sustainable development and professional growth.

Program Educational Objectives (PEOs) :

PEO-01: Specialized Knowledge: The graduates will have the knowledge, skills, and abilities to solve issues with modern technologies in the field of Civil Engineering Technology.

PEO-02: Industrial Technology: The graduates will have an effective communication and management abilities in order to meet industry's technology needs.

PEO-03: Responsible Technologist: The graduates will exhibit professional integrity and commitment to social and ethical responsibilities.

PEO-04: Professional Growth: The graduates will demonstrate professionalism and to nurture entrepreneurial and continuous professional development abilities.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 102/104	Islamic Studies / Social Ethics	2-0
CET 101	Surveying	1-0
CET 101L	Surveying (LAB)	0-2
CET 104	Civil Engineering Drawing, Drafting and Interpretation	1-0
CET 104L	Civil Engineering Drawing, Drafting and Interpretation (LAB)	0-2
MA 103	Applied Mathematics I	3-0
NS 101	Applied Physics	2-0
NS 101L	Applied Physics (LAB)	0-1
GE 101	Functional English (English-I)	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 107	Communication Skills (Expository Writing)	3-0
CS 103	Information and Communication Technology	1-0
CS 103L	Information and Communication Technology (LAB)	0-1
MA 104	Applied Mathematics II	3-0
NS 103	Applied Chemistry	2-0
NS 103L	Applied Chemistry (LAB)	0-1
CET 106	Concrete Technology	1-0
CET 106L	Concrete Technology (LAB)	0-2
CET 108	Materials and Methods of Construction	2-0
CET 108L	Materials and Methods of Construction (LAB)	0-1
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit

3rd Semester

Course Code	Course Title	Cr. Hrs.14
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
GE 311	Professional Ethics	2-0
CET 201	Evolution of Architecture and Engineering	2-0
CET 203	Environmental Technology	1-0
CET 203L	Environmental Technology (LAB)	0-1
CET 205	Fluid Mechanics	2-0
CET 205L	Fluid Mechanics (LAB)	0-1
CET 207	Mechanics of Solids	2-0
CET 207L	Mechanics of Solids (LAB)	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
GE 205	Civics and Community Engagement	1-1
ENG 223	Technical & Scientific Writing	3-0
ECO 201	Fundamentals of Applied Economics	3-0
CET 209	Transportation and Highway Technology	2-0
CET 209L	Transportation and Highway Technology (LAB)	0-2
CET 212	Soil Mechanics	1-0
CET 212L	Soil Mechanics (LAB)	0-2
CET 214	Structural Principles	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
CET 301	Hydrology	1-0
CET 301L	Hydrology (LAB)	0-1
CET 303	Reinforced and Prestressed Concrete	2-0
CET 303L	Reinforced and Prestressed Concrete (LAB)	0-1
CET 305	Construction Equipment and Jobsite Practices	2-0
CET 305L	Construction Equipment and Jobsite Practices (LAB)	0-1
CET 307	Computer Aided Drawing and Building Information Modelling	1-0
CET 307L	Computer Aided Drawing and Building Information Modelling (LAB)	0-2
CET 309	Geotechnical Investigation and Foundations	1-0
CET 309L	Geotechnical Investigation and Foundations (LAB)	0-1
CET 312	Electro-Mechanical Technology	2-0
RES 391	Project Part-I	0-3

6th Semester

Course Code	Course Title	Cr. Hrs.18
GE 310	Techno-preneurship	2-0
CET 313	Geology	1-0
CET 313L	Geology (LAB)	0-1
CET 315	Irrigation Technology	3-0
CET 317	Construction of Steel Structures	2-0
CET 317L	Construction of Steel Structures (LAB)	0-1
CET 319	Quantity Surveying and Estimation	1-0
CET 319L	Quantity Surveying and Estimation (LAB)	0-2
CET 321	Maintenance and Repair of Civil Works	1-0
CET 321L	Maintenance and Repair of Civil Works (LAB)	0-1
RES 392	Project Part-II	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.16
CET 400	GIS and Remote Sensing	2-0
CET 400L	GIS and Remote Sensing (LAB)	0-1
CET 403	Ground Improvement Techniques	2-0
CET 403L	Ground Improvement Techniques (LAB)	0-1
CET 405	Design Assessment Tools	1-0
CET 405L	Design Assessment Tools (LAB)	0-1
CET 407	Building Codes and Compliance	3-0
CET 408	Drainage Technology	3-0
CET 409	Water Supply Systems	1-0
CET 409L	Water Supply Systems (LAB)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
CT 411	Supervised Industrial Training (Compulsory)	0-16

Program Learning Outcomes:

PLO-01: **Engineering Technology Knowledge:** An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

PLO-02: **Problem Analysis:** An ability to identify, formulate, research literature and analyses broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

Program Learning Outcomes (PLOs)

PLO-03: **Design/Development of Solution:** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-04: **Investigation:** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

PLO-05: **Modern Tool Usage:** An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modeling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.

PLO-06: **The Engineering Technologist and Society:** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

PLO-07: **Environment and Sustainability:** An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.

PLO-08: **Ethics:** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice.

PLO-09: **Individual and Team Work:** An ability to Function effectively as an individual, and as a member or leader in diverse teams.

PLO-10: **Communication:** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

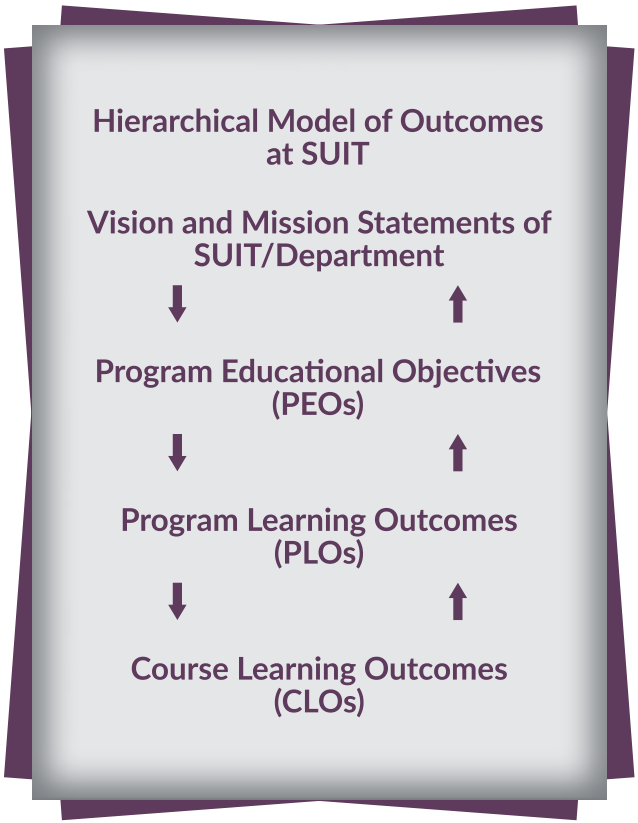
PLO-11: **Project Management:** An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.

PLO-12: **Life-Long Learning:** An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.

Outcome Based Education (OBE) System

OBE is an educational process that focuses on what students can do or the qualities they should develop after they are taught. OBE involves the restructuring of curriculum, assessment and reporting practices in education to reflect the achievement of high order learning and mastery rather than accumulation of course credits. It requires that the students demonstrate that they have learnt the required skills and contents.

The department has established an OBE committee to successfully implement OBE system. The committee is responsible for developing the CLOs (Course Learning Outcomes) for the courses and rubrics for Laboratories and Final Year Projects (FYP). Several training sessions and workshops were conducted to train the faculty members and lab engineers to be able to adopt OBE system.



Bachelor of Science in
Electrical Engineering Technology

Program Code	146
Number of Courses	43 + Project + SIT
Credit Hours	130
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

3 Years Diploma of Associate Engineers from Technical Board in the relevant technology or F.Sc Pre-Engineering / Pre Medical from any Intermediate Board with at-least 50% marks or equivalent qualification.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an aptitude Test / Interview conducted by the university.

Program Mission:

To impart technical education and training for producing Electrical Engineering Technologist capable of serving the society for sustainable development and professional growth.

Program Educational Objectives (PEOs) :

PEO-01: The graduates will have the knowledge, skills, and abilities to solve issues with modern technologies.

PEO-02: Technically qualified graduates with effective communication, management and entrepreneurial skills in order to meet industry's technology needs.

PEO-03: The graduates will exhibit professional integrity and commitment to social and responsibilities to make a positive contribution towards the society.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.16
GE102/104	Islamic Studies/ Social Ethics	2-0
MA 103	Calculus & Analytical Geometry	2-0
NS 101	Applied Physics	2-0
NS 101L	Applied Physics (LAB)	0-1
GE 101	Functional English (English-I)	3-0
EET 101	Linear Circuit Analysis	1-0
EET 101L	Linear Circuit Analysis (LAB)	0-1
EET 103L	Electrical Workshop (LAB)	0-2
CS 101	Information and Communication Technology	1-0
CS101L	Information and Communication Technology (LAB)	0-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 107	Communication Skills (Expository Writing)	3-0
MA 108	Differential Equations	2-0
NS 103	Applied Chemistry	2-0
NS 103L	Applied Chemistry (LAB)	0-1
EET 105	Electronic Devices and Circuits	2-0
EET 105L	Electronic Devices and Circuits (LAB)	0-1
PH 107	Environment, Health and Safety	1-0
CS 109	Introduction to Computer Programming	1-0
CS 109L	Introduction to Computer Programming (LAB)	0-2
GE 310	Techno-preneurship	2-0
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit

3rd Semester

Course Code	Course Title	Cr. Hrs.14
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
GE 311	Professional Ethics	2-0
MA 211	Linear Algebra	2-0
EET 201L	Technical Drawing (LAB)	0-1
EET 203	Signals and Systems	1-0
EET 203L	Signals and Systems (LAB)	0-1
EET 205	Logic Circuits and Applications	1-0
EET 205L	Logic Circuits and Applications (LAB)	0-2
EET 207	Electrical Network Analysis	1-0
EET 207L	Electrical Network Analysis (LAB)	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.16
GE 205	Civics and Community Engagement	1-1
ENG 223	Technical & Scientific Writing	3-0
EET 209	Instrumentation and Measurements	2-0
EET 209L	Instrumentation and Measurements (LAB)	0-1
EET 211	Electrical Machines	2-0
EET 211L	Electrical Machines (LAB)	0-1
EET 213	Micro-Controller Systems	1-0
EET 213L	Micro-Controller Systems (LAB)	0-1
EET 215	Electrical Power Transmission	2-0
EET 215L	Electrical Power Transmission (LAB)	0-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
EET 301	Control Technology	2-0
EET 301L	Control Technology (LAB)	0-1
EET 303	Communication Systems	2-0
EET 303L	Communication Systems (LAB)	0-1
EET 305	Electrical Power Distribution & Utilization	1-0
EET 305L	Electrical Power Distribution & Utilization (LAB)	0-1
EET 307	Switchgear & Protective Devices Technology	2-0
EET 307L	Switchgear & Protective Devices Technology (LAB)	0-1
EET 309	Renewable and Alternative Energy Technologies	2-0
EET 309L	Renewable and Alternative Energy Technologies (LAB)	0-1
RES 391	Project Part-I	0-3

6th Semester

Course Code	Course Title	Cr. Hrs.18
MGT 302	Project Management	3-0
EET 311	Industrial Drives and PLC	2-0
EET 311L	Industrial Drives and PLC (LAB)	0-1
EET 313	Electrical Safety	2-0
EET 313L	Electrical Safety (LAB)	0-1
EET 315	Smart Grid Technology	2-0
EET 315L	Smart Grid Technology (LAB)	0-1
MA 317	Numerical Analysis	2-0
MA 317L	Numerical Analysis (LAB)	0-1
RES 392	Project Part-II	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.16
MGT 402	Leadership and Personal Grooming	2-0
EET 401	Robotics Technology	2-0
EET 401L	Robotics Technology (LAB)	0-1
EET 403	Electrical Appliances Repair	2-0
EET 403L	Electrical Appliances Repair (LAB)	0-1
EET 405	Fiber Optics Technology	2-0
EET 405L	Fiber Optics Technology (LAB)	0-1
EET 407	High Voltage Technology	2-0
EET 407L	High Voltage Technology (LAB)	0-1
CS 441	Artificial Intelligence	1-0
CS 441L	Artificial Intelligence (LAB)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
EET 411	Supervised Industrial Training (Compulsory)	0-16

Program Learning Outcomes:

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Program Learning Outcomes (PLOs)

PLO-03: **Design/Development of Solution:** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-04: **Investigation:** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

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PLO-09: **Individual and Team Work:** An ability to Function effectively as an individual, and as a member or leader in diverse teams.

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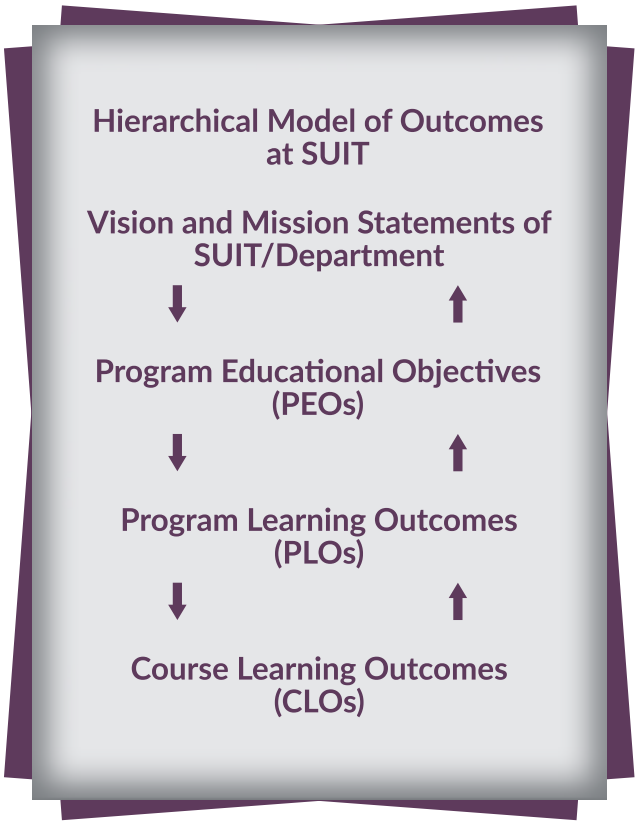
Outcome Based Education (OBE) System

OBE is an educational process that focuses on what students can do or the qualities they should develop after they are taught. OBE involves the restructuring of curriculum, assessment and reporting practices in education to reflect the achievement of high order learning and mastery rather than accumulation of course credits. It requires that the students demonstrate that they have learnt the required skills and contents.

The department has established an OBE committee to successfully implement OBE system. The committee is responsible for developing the CLOs (Course Learning Outcomes) for the courses and rubrics for Laboratories and Final Year Projects (FYP). Several training sessions and workshops were conducted to train the faculty members and lab engineers to be able to adopt OBE system.



Bachelor of Science in
Architectural Engineering Technology

Program Code	253
Number of Courses	42 + Project + SIT
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

3 Years Diploma of Associate Engineers from Technical Board in the relevant technology or F.Sc Pre-Engineering / Pre Medical from any Intermediate Board with at-least 50% marks or equivalent qualification.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an aptitude Test / Interview conducted by the university.

Program Mission:

To impart technical education and training for producing Architectural Engineering Technologist capable of serving the society for sustainable development and professional growth.

Program Educational Objectives (PEOs) :

PEO-01: The graduates will have the knowledge, skills, and abilities to solve issues with modern technologies in the field of Architectural Engineering Technology.

PEO-02: The graduates will have an effective communication and management abilities in order to meet industry's technology needs.

PEO-03: The graduates will exhibit professional integrity and commitment to social and ethical responsibilities.

PEO-04: The graduates will demonstrate professionalism and to nurture entrepreneurial and continuous professional development abilities.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.16
GE102/104	Islamic Studies / Social Ethics	2-0
MA 103	Applied Mathematics I	3-0
AET 101L	Basics of Design (LAB)	0-2
AET 103	Technical Drawing-I	1-0
AET 103L	Technical Drawing-I (LAB)	0-1
AET 105	Elementary Surveying	1-0
AET 105L	Elementary Surveying (LAB)	0-2
AET 107	History of Architecture	2-0
PH 106	Occupational Health and Safety Management	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 107	Communication Skills (Expository Writing)	3-0
CS 101	Information and Communication Technology	1-0
CS 101L	Information and Communication Technology (LAB)	0-1
MA 104	Applied Mathematics II	3-0
AET 109	Building Construction Technology-I	1-0
AET 109L	Building Construction Technology-I (LAB)	0-2
AET 111	Technical Drawing-II	1-0
AET 111L	Technical Drawing-II (LAB)	0-2
AET 113	Applied Mechanics	2-0
AET 113L	Applied Mechanics (LAB)	0-1
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit

3rd Semester

Course Code	Course Title	Cr. Hrs.18
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
AET 201	Urban Planning	1-0
AET 201L	Urban Planning (LAB)	0-1
AET 203	Architectural Design	1-0
AET 203L	Architectural Design (LAB)	0-2
AET 205L	Computer Aided Design-I (LAB)	0-2
AET 207	Building Systems & Services-I	2-0
AET 207L	Building Systems & Services-I (LAB)	0-1
AET 209	Strength of Materials	2-0
AET 209L	Strength of Materials (LAB)	0-1
AET 211	Theory of Structures	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.18
GE 205	Civics and Community Engagement	1-1
ENG 223	Technical & Scientific Writing	3-0
AET 213	Building Construction Technology-II	2-0
AET 213L	Building Construction Technology-II (LAB)	0-1
AET 215	Sustainability in Buildings	2-0
AET 215L	Sustainability in Buildings (LAB)	0-1
AET 217	Building Systems & Services-II	2-0
AET 217L	Building Systems & Services-II (LAB)	0-1
AET 219L	Computer Aided Design-II (LAB)	0-2
AET 221L	Building Information Modelling (LAB)	0-2

5th Semester

Course Code	Course Title	Cr. Hrs.18
AET 301	Concrete Technology	2-0
AET 301L	Concrete Technology (LAB)	0-2
AET 303	Construction Contracts, Codes & Regulations	3-0
AET 305	Technological Building Analysis	2-0
AET 305L	Technological Building Analysis (LAB)	0-1
AET 309	Quantity Surveying & Estimation	1-0
AET 309L	Quantity Surveying & Estimation (LAB)	0-2
GE 309	Sociology for Technologist	2-0
RES 391	Project Part-I	0-3

6th Semester

Course Code	Course Title	Cr. Hrs.15
AET 311	Building Conservation & Rehabilitation	2-0
AET 311L	Building Conservation & Rehabilitation (LAB)	0-1
AET 313	Geotechnical & Foundation Engineering	2-0
AET 313L	Geotechnical & Foundation Engineering (LAB)	0-1
AET 315	Steel Structures	2-0
GE 310	Techno-preneurship	2-0
GE 311	Professional Ethics	2-0
RES 392	Project Part-II	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.14
CS 441	Artificial Intelligence	1-0
CS 441L	Artificial Intelligence (LAB)	0-1
AET 401	Building Plumbing Design	2-0
AET 401L	Building Plumbing Design (LAB)	0-1
AET 403	Site Planning and Development	2-0
AET 403L	Site Planning and Development (LAB)	0-1
AET 405	Landscape Design	2-0
AET 405L	Landscape Design (LAB)	0-1
AET 407	Integrated Building Design	2-0
AET 407L	Integrated Building Design (LAB)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
AET 411	Supervised Industrial Training (Compulsory)	0-16

Program Learning Outcomes:

PLO-01: **Engineering Technology Knowledge:** An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

PLO-02: **Problem Analysis:** An ability to identify, formulate, research literature and analyses broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

Program Learning Outcomes (PLOs)

PLO-03: **Design/Development of Solution:** An ability to design solutions for broadly- defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-04: **Investigation:** An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

PLO-05: **Modern Tool Usage:** An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modeling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.

PLO-06: **The Engineering Technologist and Society:** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

PLO-07: **Environment and Sustainability:** An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.

PLO-08: **Ethics:** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice.

PLO-09: **Individual and Team Work:** An ability to Function effectively as an individual, and as a member or leader in diverse teams.

PLO-10: **Communication:** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PLO-11: **Project Management:** An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multidisciplinary environments.

PLO-12: **Life-Long Learning:** An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.

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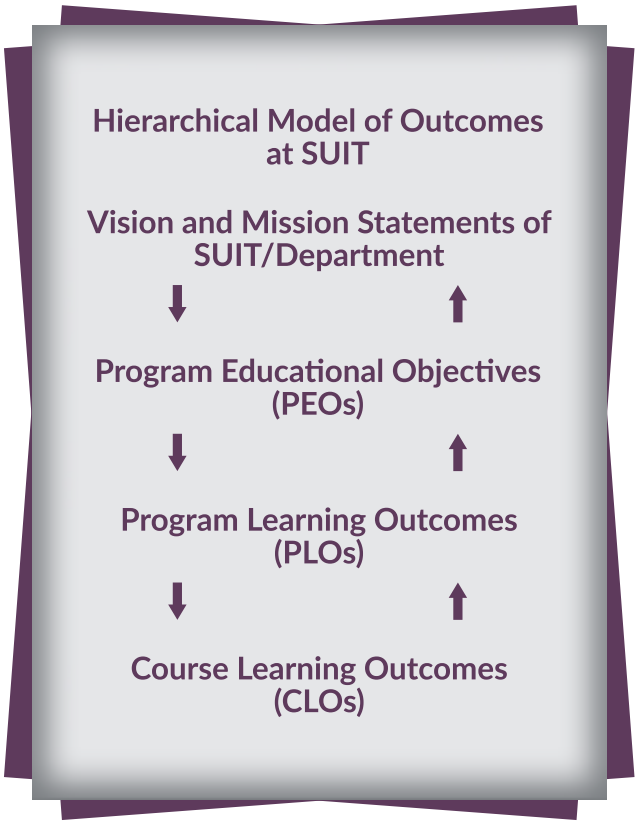

Bachelor of Science in
Information Security Engineering Technology

Program Code	254
Number of Courses	40 + Project + SIT
Credit Hours	134
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

3 Years Diploma of Associate Engineers from Technical Board in the relevant technology or F.Sc Pre-Engineering / Pre Medical from any Intermediate Board with at-least 50% marks or equivalent qualification.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an aptitude Test / Interview conducted by the university.

Program Mission:

To impart technical education and training for producing Information Security Engineering Technologist capable of serving the society for sustainable development and professional growth.

Program Educational Objectives (PEOs) :

PEO-01: The graduates will have the knowledge, skills, and abilities to solve issues with modern technologies in the field of Information Security Engineering Technology.

PEO-02: The graduates will have an effective communication and management abilities in order to meet industry's technology needs.

PEO-03: The graduates will exhibit professional integrity and commitment to social and ethical responsibilities.

PEO-04: The graduates will demonstrate professionalism and to nurture entrepreneurial and continuous professional development abilities.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE102/104	Islamic Studies/ Social Ethics	2-0
CS 101	Information and Communication Technology	1-0
CS 101L	Information and Communication Technology (LAB)	0-1
IST 101	Computer Programming	2-0
IST 101L	Computer Programming (LAB)	0-2
MA 103	Applied Mathematics I	3-0
NS 101	Applied Physics	2-0
NS 101L	Applied Physics (LAB)	0-1
GE 101	Functional English (English-I)	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs.18
GE 107	Communication Skills (Expository Writing)	3-0
IST 103	Object Oriented Programming	2-0
IST 103L	Object Oriented Programming (LAB)	0-1
MA 104	Applied Mathematics II	3-0
IST 105	Digital Electronics	2-0
IST 105L	Digital Electronics (LAB)	0-1
IST 107	Software Engineering	2-0
IST 107L	Software Engineering (LAB)	0-1
IST 109	Data Structures and Algorithms	2-0
IST 109L	Data Structures and Algorithms (LAB)	0-1
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit

3rd Semester

Course Code	Course Title	Cr. Hrs.17
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
IST 201	Computer Networks	2-0
IST 201L	Computer Networks (LAB)	0-2
IST 203	Web Development Technologies	1-0
IST 203L	Web Development Technologies (LAB)	0-2
IST 205	Database Systems	2-0
IST 205L	Database Systems (LAB)	0-1
MA 203	Probability and Statistics	3-0
IST 207	Artificial Intelligence	1-0
IST 207L	Artificial Intelligence (LAB)	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
GE 205	Civics and Community Engagement	1-1
ENG 223	Technical & Scientific Writing	3-0
IST 209	Operating Systems	2-0
IST 209L	Operating Systems (LAB)	0-1
IST 211	Information Security	2-0
IST 211L	Information Security (LAB)	0-1
IST 213	Computer Architecture and Organization	2-0
IST 213L	Computer Architecture and Organization (LAB)	0-1
IST 215	Systems and Network Administration	1-0
IST 215L	Systems and Network Administration (LAB)	0-2

5th Semester

Course Code	Course Title	Cr. Hrs.18
IST 301	Error Correction and Coding Techniques	3-0
IST 303	Wireless Networks Security	1-0
IST 303L	Wireless Networks Security (LAB)	0-2
IST 305	Cloud Computing and IoT	2-0
IST 305L	Cloud Computing and IoT (LAB)	0-2
GE 311	Professional Ethics	2-0
MGT 345	Organizational Behaviour	3-0
RES 391	Project Part-I	0-3

6th Semester

Course Code	Course Title	Cr. Hrs.17
GE 310	Techno-preneurship	2-0
IST 313	Digital Forensics and Laws	2-0
IST 313L	Digital Forensics and Laws (LAB)	0-1
IST 315	IT Security Audit and Evaluation	2-0
IST 315L	IT Security Audit and Evaluation (LAB)	0-1
EET 309	Renewable and Alternative Energy Technologies	2-0
EET 309L	Renewable and Alternative Energy Technologies (LAB)	0-1
IST 317	Web Application Security	3-0
RES 392	Project Part-II	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.14
PH 107	Environment, Health and Safety	1-0
IST 401	Blockchain Technology and Security	2-0
IST 401L	Blockchain Technology and Security (LAB)	0-1
IST 403	Smart Surveillance Systems	2-0
IST 403L	Smart Surveillance Systems (LAB)	0-1
IST 405	Ethical Hacking and Penetration Testing	2-0
IST 405L	Ethical Hacking and Penetration Testing (LAB)	0-1
IST 407	Cryptography	1-0
IST 407L	Cryptography (LAB)	0-1
BIN 407	Bioinformatics	1-0
BIN 407L	Bioinformatics (LAB)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
IST 411	Supervised Industrial Training (Compulsory)	0-16

Program Learning Outcomes:

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Program Learning Outcomes (PLOs)

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PLO-06: **The Engineering Technologist and Society:** An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

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PLO-08: **Ethics:** Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice.

PLO-09: **Individual and Team Work:** An ability to Function effectively as an individual, and as a member or leader in diverse teams.

PLO-10: **Communication:** An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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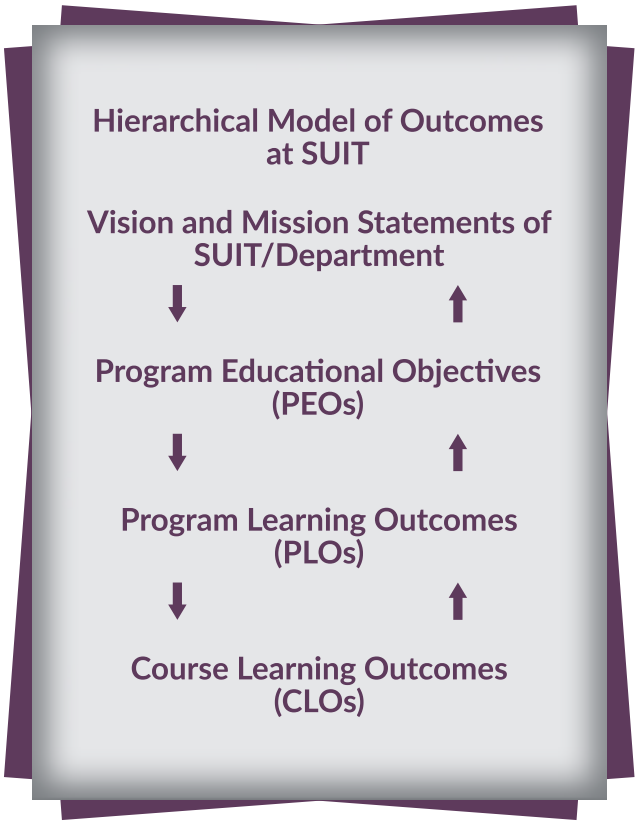

Bachelor of Science in
Mechanical Engineering Technology

Program Code	148
Number of Courses	39 + Project + SIT
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

3 Years Diploma of Associate Engineers from Technical Board in the relevant technology or F.Sc Pre-Engineering / Pre Medical from any Intermediate Board with at-least 50% marks or equivalent qualification.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an aptitude Test / Interview conducted by the university.

Program Mission:

To impart technical education and training for producing Mechanical Engineering Technologist capable of serving the society for sustainable development and professional growth.

Program Educational Objectives (PEOs) :

PEO-01: The graduates will have knowledge, skills, and abilities to solve issues with modern technologies.

PEO-02: Technically qualified growth with effective communication, management abilities, and entrepreneur skills in order to meet industry's technological needs.

PEO-03: The graduates will exhibit professional integrity and commitment to social and ethical responsibilities to make a positive contribution towards the society.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 102/104	Islamic Studies/ Social Ethics	2-0
MA 103	Applied Mathematics I	3-0
NS 101	Applied Physics	2-0
NS 101L	Applied Physics (LAB)	0-1
MET 101	Technical Drawing and Graphics	1-0
MET 101L	Technical Drawing and Graphics (LAB)	0-2
GE 101	Functional English (English-I)	3-0
MET 103	Workshop Technology	1-0
MET 103L	Workshop Technology (LAB)	0-2
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 107	Communication Skills (Expository Writing)	3-0
CS 101	Information and Communication Technology	1-0
CS 101L	Information and Communication Technology (LAB)	0-1
NS 103	Applied Chemistry	2-0
NS 103L	Applied Chemistry (LAB)	0-1
MET 105	Applied Mechanics	2-0
MET 105L	Applied Mechanics (LAB)	0-1
MET 107	Basic Electrical & Electronics	2-0
MET 107L	Basic Electrical & Electronics (LAB)	0-2
MET 109	Introduction to Industrial Management	2-0
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit

3rd Semester

Course Code	Course Title	Cr. Hrs.17
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MET 201	Computer Aided Drafting and Modeling (LAB)	0-2
MET 203	Industrial Materials	2-0
MET 203L	Industrial Materials (LAB)	0-1
MET 205	Mechanics of Material	2-0
MET 205L	Mechanics of Material (LAB)	0-1
MET 207	Applied Thermodynamics	3-0
MET 207L	Applied Thermodynamics (LAB)	0-1
CS 109	Introduction to Computer Programming	1-0
CS 109L	Introduction to Computer Programming (LAB)	0-2

4th Semester

Course Code	Course Title	Cr. Hrs.17
GE 205	Civics and Community Engagement	1-1
ENG 223	Technical & Scientific Writing	3-0
MET 209	Machine Design	2-0
MET 211	Fluid Mechanics and Hydraulic Machines	3-0
MET 211L	Fluid Mechanics and Hydraulic Machines (LAB)	0-1
MA 205	Probability and Statistics	2-0
MA 205L	Probability and Statistics (LAB)	0-1
MET 213	Industrial Maintenance and Safety	2-0
MET 213L	Industrial Maintenance and Safety (LAB)	0-1

5th Semester

Course Code	Course Title	Cr. Hrs.18
MET 301	Heat and Mass Transfer	2-0
MET 301L	Heat and Mass Transfer (LAB)	0-1
MET 303	Energy and Power Technologies	2-0
MET 303L	Energy and Power Technologies (LAB)	0-1
MET 305	Manufacturing Processes	2-0
MET 305L	Manufacturing Processes (LAB)	0-1
MGT 309	Project Management	2-0
MGT 309L	Project Management (LAB)	0-1
ECO 201	Fundamentals of Applied Economics	3-0
RES 391	Project Part-I	0-3

6th Semester

Course Code	Course Title	Cr. Hrs.17
MET 311	Instrumentation and Control	2-0
MET 311L	Instrumentation and Control (LAB)	0-1
MET 313	Mechanical Vibration	2-0
MET 313L	Mechanical Vibration (LAB)	0-1
MET 315	Heating, Air-Condition and Ventilation Technologies	2-0
GE 315L	Heating, Air-Condition and Ventilation Technologies (LAB)	0-1
GE 310	Techno-preneurship	2-0
MGT 312	Total Quality Management	2-0
MGT 312L	Total Quality Management (LAB)	0-1
RES 392	Project Part-II	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.16
MET 401	Metal Technology	2-0
MET 401L	Metal Technology (LAB)	0-1
MET 403	Metrology	2-0
MET 403L	Metrology (LAB)	0-1
MET 405	Hybrid Engines and their Technology	2-0
MET 405L	Hybrid Engines and their Technology (LAB)	0-1
MET 407	Robotics and AI	2-0
MET 407L	Robotics and AI (LAB)	0-1
MET 409	Automobile Technology	3-0
MET 409L	Automobile Technology (LAB)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
MET 411	Supervised Industrial Training (Compulsory)	0-16

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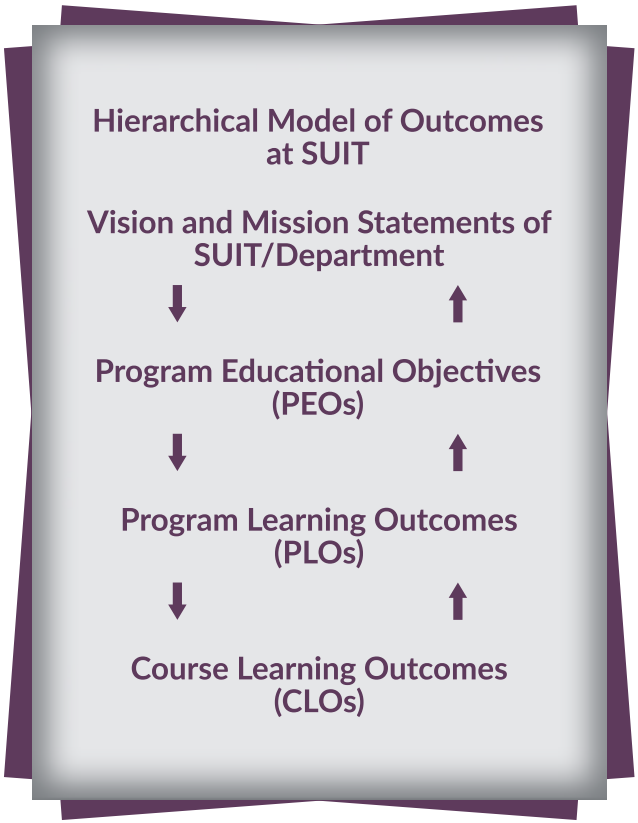


DEPARTMENTS

- Pharmacy
- Nursing
- Allied Health Sciences

57-108

FACULTY OF LIFE SCIENCES

Department of Pharmacy

The Department of Pharmacy, Faculty of Life Sciences, Sarhad University acknowledges pharmaceutical care as an evolving mode of pharmacy practice in which the pharmacist in consultation with other health professionals, takes an active role on behalf of patients in making appropriate drug choices, by effecting distribution of medications to patients, and by assuming direct responsibilities to empower patients to achieve the desired outcomes of drugs and related therapy.

Pharm-D program of the Department provides educational preparedness, so as to enable a student to collaborate with other health professionals and to share responsibility for outcomes of drug and related therapy. Pharm-D program promotes the knowledge, skills, abilities, attitudes and values necessary for the provision of pharmaceutical care for general practice of pharmacy in any setting. The Department of Pharmacy also assures an understanding of pharmaceutical care by its students early in the professional program in pharmacy. The philosophy of practice as well as the necessary professional attitudes, ethics, and behaviors are evolved during the course of study. Moreover, Pharm-D program ensures the provision of a positive outlook for all aspects of pharmacy practice. In long and short, the Pharm-D program is based upon scope, depth and proficiency of knowledge, skills, and judgment acquired. The curriculum of Pharm-D adopted by our Department is in-line with the curriculum proposed by Pharmacy Council of Pakistan and approved by HEC, which provides the students with enhanced core of professional knowledge and skills through enrichment of the Biomedical Sciences, Pharmaceutical Sciences, Physical Sciences, and Clinical Sciences through practice and experience. The curriculum prepares students to be practitioners with maturity in clinical, hospital, community, and industrial practice of pharmacy.

Vision

To impart Research-oriented Pharmacy Education in the country with visionary abilities.

Mission

The mission of the Department is to prepare Pharmacy graduates whose scientific knowledge and skills enable them to work with the pace to ensure the quality in the design, manufacture, distribution, safe and effective use of pharmaceuticals in the society and clinical setting.

Number of seats:

Morning Shift: 100
Evening Shift: 100

Program Offered: Pharm-D (Doctor of Pharmacy)

Faculty Members, Department of Pharmacy

Meritorious Prof. Dr. Zafar Iqbal	Dean, Faculty of Life Sciences	Ph.D (Pharmaceutical Sciences), University of Strathclyde Glasgow, UK
Prof. Dr. Sudhair Abbas	Head of Department	Ph.D Pharmacy, University of Peshawar
Prof. Dr. S.M. Hassan Shah	Coordinator	Ph.D Pharmacy, University of Malakand
Dr. Tariq Abbas	Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Naila Raziq	Associate Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Asif Khan	Associate Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Kifayatullah	Associate Professor	Ph.D Pharmacy, Lincoln University College, Malaysia
Dr. Ashfaq Ahmad	Associate Professor	Ph.D Pharmacy, University of Malakand
Dr. Peer Abdul Hannan	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Naila Shahbaz	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Rahim Ullah	Asst. Coordinator	Ph.D Pharmaceutical Sciences, University of Peshawar
Dr. Faiqa Falak Naz	Assistant Professor	Ph.D Pharmaceutics, Gomal University, DI Khan
Dr. Saifullah Khan Khalil	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Abdullah Shah	Assistant Professor	Ph.D Chemistry (Organic), Bacha Khan University, Charsadda
Mr. Najam Afaq Qureshi	Assistant Professor	M.Phil Pharmacy, Gomal University D.I. Khan
Mr. Nasir Ali	Assistant Professor	MS Biomedical Sciences, University of East London, UK
Mr. Nisar Zamin Shah	Assistant Professor	M.Phil Pharmaceutical Sciences, University of Malakand
Mr. Salman Aman	Assistant Professor	MS Pharmacy (Pharmaceutics), Sarhad University, Peshawar
Mr. Said Muhammad	Assistant Professor	M.Phil Pharmaceutics, Islamia University of Bahawalpur
Ms. Roheena Zafar	Lecturer	MS Pharmacy (Pharmaceutics), Sarhad University, Peshawar
Mr. Saif Ullah Khan	Lecturer	M.Phil Islamiyat, Islamia College University Peshawar
Ms. Mahwish	Lecturer	M.Phil Pharmacy, University of Malakand
Mr. Wahid Zada	Lecturer	MS Pharmacology, COMSATS University, Abbottabad
Ms. Nadia Abrar	Lecturer	M.Phil Pharmacology, University of Swabi
Ms. Natasha Rahim	Lecturer	M.Phil Pharmacy, University of Peshawar
Mr. Altaf Ur Rehman	Lecturer	M.Phill Pharmacy, University of Peshawar
Mr. Muhammad Kamran Labib	Lecturer	M.Phil Pharmacognosy, Quaid-e-Azam University, Islamabad
Mr. Abdur Raziq	Lecturer	M.Phil Pharmaceutical Sciences, AWKUM
Mr. Muhammad Yamnain	Lecturer	M.Phil Pharmacy, Kohat University of Science & Technology
Ms. Kiran Firdous	Lecturer	M.Phil Pharmacology, KMU Peshawar
Mr. Tahir Ullah Khan	Lab Demonstrator	Pharm-D, University of Swabi

Pharm-D
(Doctor of Pharmacy)

Program Code	081
Number of Courses	94
Credit Hours	198

Minimum Duration	10 Semesters, 5 Years
Maximum Duration	20 Semesters, 10 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

F.Sc (Pre-Medical) or A-Level with Equivalency Certificate from IBCC Islamabad with at least 60% Marks or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test and an aptitude interview conducted by the University.

Program Objectives:

The Pharm-D Program caters increasing needs of pharmaceutical care, drug delivery systems, drug distribution, storage, hospital pharmacy, community pharmacy, clinical pharmacy, drug information systems, and pharmaceutical industries in areas like productions, quality control, quality assurance, validation, research and development, product management, training, warehouse management, logistic and drug registration systems not only in Pakistan but in Middle East, Europe, Canada, and USA.

Program Outcomes :

After completion of the program, students will be able to;

- Contribute and update graduates regarding the advancements in pharmaceutical science and capable of catering the needs of national and international health organizations.
- Apply knowledge gained in the department to contribute in national or international organizations.
- Demonstrate efficient oral and written communication skills.
- Achieve problem solving and decision making skills.

Scheme of Studies:

1st Professional Pharm-D

1st Semester

Course Code	Course Title	Cr. Hrs.23
PHC 305	Pharmaceutical Chemistry-IA (Organic-I) (Th)	3-0
PHC 307	Pharmaceutical Chemistry-IA (Organic-I) (Lab)	0-1
PCG 315	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Th)	3-0
PCG 317	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Lab)	0-1
PCU 311	Pharmaceutics-IA (Physical Pharmacy-I) (Th)	3-0
PCU 313	Pharmaceutics-IA (Physical Pharmacy-I) (Lab)	0-1
PCG 319	Physiology-I (Th)	3-0
PCG 321	Physiology-I (Lab)	0-1
PCG 323	Anatomy & Histology (Th)	3-0
PCG 325	Anatomy & Histology (Lab)	0-1
PMA 317	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs.21
PHC 308	Pharmaceutical Chemistry-IB (Organic-II) (Th)	3-0
PHC 310	Pharmaceutical Chemistry-IB (Organic-II) (Lab)	0-1
PCG 326	Pharmaceutical Chemistry-IIB (Biochemistry-II) (Th)	3-0
PCG 328	Pharmaceutical Chemistry-IIB (Biochemistry-II) (Lab)	0-1
PCU 314	Pharmaceutics-IB (Physical Pharmacy-II) (Th)	3-0
PCU 316	Pharmaceutics-IB (Physical Pharmacy-II) (Lab)	0-1
PCG 330	Physiology-II (Th)	3-0
PCG 332	Physiology-II (Lab)	0-1
PMA 318	Pharmacy Practice- IB (Biostatistics)	3-0
ENG 112	English A (Functional English)	2-0

2nd Professional Pharm-D

3rd Semester

Course Code	Course Title	Cr. Hrs.22
PCU 413	Pharmaceutics-IIA (Dosage form science-I) (Th)	3-0
PCU 415	Pharmaceutics-IIA (Dosage form science-I) (Lab)	0-1
PCG 409	Pharmacology & Therapeutics-IA (General-I) (Th)	3-0
PCG 411	Pharmacology & Therapeutics-IA (General-I) (Lab)	0-1
PCN 411	Pharmacognosy-IA (Basic) (Th)	3-0
PCN 413	Pharmacognosy-IA (Basic) (Lab)	0-1
PCU 417	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology-I) (Th)	3-0
PCU 419	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology –I) (Lab)	0-1
GS 413	Pakistan Studies	2-0
ENG 113	English-B (Communication & Skill Writing)	4-0

4th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 418	Pharmaceutics-IIB (Dosage form science-II) (Th)	3-0
PCU 420	Pharmaceutics-IIB (Dosage form science-II) (Lab)	0-1
PCG 414	Pharmacology & Therapeutics-IB (General-II) (Th)	3-0
PCG 416	Pharmacology & Therapeutics-IB (General-II) (Lab)	0-1
PCN 414	Pharmacognosy-IB (Basic) (Th)	3-0
PCN 416	Pharmacognosy-IB (Basic) (Lab)	0-1
PCU 422	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Th)	3-0
PCU 424	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Lab)	0-1
GS 414	Islamic Studies	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

3rd Professional Pharm-D

5th Semester

Course Code	Course Title	Cr. Hrs.20
PCG 501	Pathology (Th)	3-0
PCG 503	Pathology (Lab)	0-1
PCG 509	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Th)	3-0
PCG 511	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Lab)	0-1
PCN 511	Pharmacognosy-IIA (Advanced) (Th)	3-0
PCN 513	Pharmacognosy-IIA (Advanced) (Lab)	0-1
PHC 515	Pharmaceutical Chemistry-IIIA (Pharmaceutical analysis/Instrumentation-I) (Th)	3-0
PHC 517	Pharmaceutical Chemistry-IIIA (Pharmaceutical analysis/Instrumentation-I) (Lab)	0-1
PCU 517	Pharmacy Practice-IIA (Dispensing Pharmacy) (Th)	3-0
PCU 519	Pharmacy Practice-IIA (Dispensing Pharmacy) (Lab)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.19
PCS 506	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Th)	3-0
PCS 508	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Lab)	0-1
PCG 512	Pharmacology & Therapeutics-IIB (Systemic Pharmacology-II) (Th)	3-0
PCG 514	Pharmacology & Therapeutics-IIB (Systemic Pharmacology-II (Lab)	0-1
PCN 514	Pharmacognosy-IIB (Advanced) (Th)	3-0
PCN 516	Pharmacognosy-IIB (Advanced) (Lab)	0-1
PHC 518	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Th)	3-0
PHC 520	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Lab)	0-1
PCU 520	Pharmacy Practice-IIB (Community Pharmacy) (Th)	3-0

4th Professional Pharm-D

7th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 613	Pharmacy Practice-IVA (Hospital Pharmacy-I) (Th)	3-0
PCU 615	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Th)	3-0
PCU 617	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Lab)	0-1
PCU 619	Pharmaceutics-IVA (Industrial Pharmacy-I) (Th)	3-0
PCU 621	Pharmaceutics-IVA (Industrial Pharmacy-I) (Lab)	0-1
PCU 623	Pharmaceutics-VA (Biopharmaceutics-I) (Th)	3-0
PCU 625	Pharmaceutics-VA (Biopharmaceutics-I) (Lab)	0-1
PCU 627	Pharmaceutics-VIA (Pharmaceutical Quality Management -I (Th)	3-0
PCU 629	Pharmaceutics-VIA (Pharmaceutical Quality Management -I) (Lab)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 630	Pharmacy Practice-IVB (Hospital Pharmacy -II) (Th)	3-0
PCU 632	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Th)	3-0
PCU 634	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Lab)	0-1
PCU 636	Pharmaceutics-IVB (Industrial Pharmacy-II) (Th)	3-0
PCU 638	Pharmaceutics-IVB (Industrial Pharmacy-II) (Lab)	0-1
PCU 640	Pharmaceutics-VB (Biopharmaceutics-II) (Th)	3-0
PCU 642	Pharmaceutics-VB (Biopharmaceutics-II) (Lab)	0-1
PCU 644	Pharmaceutics-VIB (Pharmaceutical Quality Management-II) (Th)	3-0
PCU 646	Pharmaceutics-VIB (Pharmaceutical Quality Management -II) (Lab)	0-1

5th Professional Pharm-D

9th Semester

Course Code	Course Title	Cr. Hrs.18
PHC 705	Pharmaceutical Chemistry-IVA (Medicinal-I) (Th)	3-0
PHC 707	Pharmaceutical Chemistry-IVA (Medicinal-I) (Lab)	0-1
PCU 715	Pharmacy Practice-VIA (Clinical Pharmacy-IIA) (Th)	3-0
PCU 717	Pharmacy Practice-VIA (Clinical Pharmacy-IIA (Lab)	0-1
PCU 719	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Th)	3-0
PCU 721	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Lab)	0-1
PCU 723	Pharmacy Practice-VIIA (Forensic Pharmacy-I) (Th)	3-0
PCU 725	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing-I) (Th)	3-0

10th Semester

Course Code	Course Title	Cr. Hrs.18
PHC 708	Pharmaceutical Chemistry-IVB (Medicinal-II) (Th)	3-0
PHC 710	Pharmaceutical Chemistry-IVB (Medicinal-II) (Lab)	0-1
PCU 726	Pharmacy Practice-VIB (Clinical Pharmacy-IIB) (Th)	3-0
PCU 728	Pharmacy Practice-VIB (Clinical Pharmacy-IIB (Lab)	0-1
PCU 730	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Th)	3-0
PCU 732	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Lab)	0-1
PCU 734	Pharmacy Practice-VIIB (Forensic Pharmacy-II) (Th)	3-0
PCU 736	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing-II) (Th)	3-0

Institute of Nursing Sciences

Vision

Institute of Nursing Sciences, Sarhad University of Science and Information Technology (SUIT) Peshawar will be a leading nursing institute of international standards producing competent and skilled nursing graduates to strengthen the health care system at national and international level.

Mission

The mission of Institute of Nursing Sciences is to promote nursing profession on the basis of advanced learning concepts and to enable the nursing graduates to demonstrate competence in clinical judgment, to provide ethical and effective patient-centered care, to utilize scientific interventions, and to significantly contribute to the present and emerging research and practices in the field of nursing education.

Uniform

For Male Students:

Black Dress Pant
Blue Dress Shirt
White Overall (with the SUIT Logo)
Black Shoes

For Female Students:

White Shalwar and Blue Shirt
White Overall (with the SUIT Logo)
White Dupatta & Black Shoes
Black Jersey/Coat

Program Offered: BS Nursing

Faculty Members, Institute of Nursing Sciences

Ms. Shaheen Ghani	Director	MS Nursing, Khyber Medical University, Peshawar
Ms. Nasreen Ghani	Coordinator	MS Nursing, Aga Khan University School of Nursing, Karachi
Mr. Noor Zaman Khan	Assistant Professor	MS Nursing, Khyber Medical University, Peshawar
Mr. Irfan Ullah Khattak	Assistant Professor	BS Nursing, Bahria University Islamabad, MS Epidemiology & Biostatistics, Khyber Medical University, Peshawar
Mr. Ihsan Ullah	Assistant Professor	MS Nursing, Khyber Medical University, Peshawar
Mr. Muhammad Khalil Khan	Assistant Professor	MS Nursing, Shifa Tameer-e-Millat University, Islamabad
Mr. Imtiaz Ahmad	Senior Lecturer	BS Nursing, Khyber Medical University, Peshawar, MPH, IM Sciences, Peshawar
Mr. Farhan Ali	Lecturer	BS Nursing, Khyber Medical University, Peshawar
Ms. Kainat Saddiq	Junior Lecturer	BS Nursing, Khyber Medical University, Peshawar
Mr. Muhammad Waqas	Junior Lecturer	BS Nursing, Khyber Medical University, Peshawar
Mr. Adil Zaman	Junior Lecturer	BS Nursing, Khyber Medical University, Peshawar

Bachelor of Science in Nursing

Program Code	191
Number of Courses	44
Credit Hours	134
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 50% marks are eligible to apply.

ii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iii. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To prepare competent, committed and knowledgeable nurse clinicians (hospital and community setting).
- To educate nurses with the appropriate knowledge, skills and attitudes and with clinical competency.
- To integrate evidence-based science into clinical practice to provide holistic care for individuals, families and communities.
- To enable nurses to meet the future challenges, including changes in technology, confronting health care in the 21st century.
- To initiate a leadership role in the planning, implementation and evaluation of individual, family and community.
- To adhere to an established pattern of professional practices within the professional, religious, cultural, legal and ethical boundaries of Pakistan.
- To initiate a leadership role in the planning, implementation and evaluation of individual, family and community;
- To act as a change agent to promote quality improvement in the performance of nursing responsibilities

Program Outcomes :

At the completion of the BSN program, a graduate of the institution of nursing science SUIT will be able to:

- Facilitate safe, holistic and effective patient/family cantered care outcomes through use of evidence-based research and to promote and maintain health, prevent disease, and manage illness.
- Demonstrate professional accountability and responsibility for nursing judgments and actions within an ethical and legal framework, utilizing the knowledge.
- Demonstrate leadership in the provision and coordination of safe, cost effective and high quality nursing care.
- Advocate for patients, families, communities, and the nursing profession, applying values and utilizing an ethical framework, clinical reasoning, and cultural competence.
- Provide entry-level professional nursing care to the clients across the life span in a variety of health care settings.
- Promote a culture of caring to provide holistic, compassionate, culturally competent care.

Merit List Policy

Merit List will be prepared on following basis:

I. Marks obtained in F.Sc/ equivalent certificate (50% weightage).

ii. Marks obtained in entry test (40% weightage).

iii. Marks obtained in SSC (10% weightage).

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
BSN 103	Fundamentals of Nursing-I	2-1
BSN 105	Anatomy & Physiology-I	2.5-0.5
CH 108	Biochemistry	1.5-0.5
ENG 100	English-Functional English	3-0
GE 109	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
IT 103	Information and Communication Technology	1-1
MB 102	Microbiology	1.5-0.5

2nd Semester

Course Code	Course Title	Cr. Hrs.16
BSN 107	Fundamentals of Nursing-II	2-1
BSN 107C	Fundamentals of Nursing-II (CP)	0-1
BSN 110	Anatomy & Physiology-II	2.5-0.5
BSN 112	Theoretical Basis of Nursing	2-0
GS 101/102	Islamic Studies / Ethics	2-0
MA 114	Mathematics (QR - I)	3-0
NUT 101	Applied Nutrition	2-0

3rd Semester

Course Code	Course Title	Cr. Hrs.17
BSN 200	Clinical Pharmacology and Drug Administration-I	2-0
BSN 202	Medical Surgical Nursing-I	3-1
BSN 202C	Medical Surgical Nursing-I (CP)	0-3
BSN 205	Health Assessment-I	1-1
BSN 206	Pathophysiology-I	2-1
ENG 202	Professional Communication Skills	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.18
BSN 209	Medical Surgical Nursing-II	3-1
BSN 209C	Medical Surgical Nursing-II (CP)	0-3
BSN 214	Health Assessment-II	1-1
BSN 215	Pathophysiology-II	2-0
BSN 217	Clinical Pharmacology and Drug Administration-II	2-0
BSN 219	Professional Ethics for Nurses	2-0
PSY 205	Applied Psychology	3-0

5th Semester

Course Code	Course Title	Cr. Hrs.16
BSN 300	Pediatric Health Nursing	3-1
BSN 300C	Pediatric Health Nursing (CP)	0-3
BSN 303	Maternal, Neonatal and Child Health Nursing	2-0
BSN 303C	Maternal, Neonatal and Child Health Nursing (CP)	0-1
GE 303	Civics and Community Engagement	2-0
MD 303	Infectious Diseases	2-0
PH 301	Epidemiology	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

6th Semester

Course Code	Course Title	Cr. Hrs.18
BSN 307	Public Health Nursing	2-0
BSN 307C	Public Health Nursing (CP)	0-2
BSN 309	Mental Health Nursing	3-1
BSN 309C	Mental Health Nursing (CP)	0-2
EDU 317	Principles of Teaching & Learning	3-0
GE 317	Culture, Health & Society	2-0
MA 312	Introduction to Biostatistics (QR II)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs.17
BSN 401	Critical Care Nursing	2-1
BSN 401C	Critical Care Nursing (CP)	0-4
BSN 403	Introduction to Nursing Research	3-0
BSN 405	Community Health Nursing-I	2-0
BSN 405C	Community Health Nursing-I (CP)	0-1
HR 405	Leadership & Management	3-0
MGT 404	Entrepreneurship	2-0

8th Semester

Course Code	Course Title	Cr. Hrs.15
BSN 407	Geriatric Nursing	1.5-0
BSN 407C	Geriatric Nursing (CP)	0-1.5
BSN 408	Trends and Issues in Health Care	2-0
BSN 419	Clinical Practicum (CP)	0-4
BSN 410	Community Health Nursing-II	2-0
BSN 410C	Community Health Nursing-II (CP)	0-1
ENG 416	Expository Writing	3-0

Sarhad Institute of Allied Health Sciences

In the present health care system, the health service revolves around the doctors, nurses, and health technicians. The technicians are diploma holders having very limited skills and knowledge and for below requirements to influence the health care delivery effectively. The need was felt by the authorities concerned that a cadre of professionals be produced having enhanced knowledge, skills and behaviors that should be able to add to health care delivery systems effectively and improve the services provisions in the country generally and in the province of Khyber Pukhtunkhwa specially.

The idea was conceived to have an institute producing technologist to meet the requirements. As a result, the Sarhad Institute of Allied Health Sciences (SIAHS) was established in January 2021 as constituent institute of Sarhad university of Science and Information Technology, to meet the perceived idea and offered BS Programs having 8 semesters (4 years) in Health, Dental, Radiology, Surgical, Anesthesia, and Nutrition Technologies. In Fall-2022, BS Programs of Optometry and Cardiology Technology were offered. In Fall 2024 Enrolment in BS Emergency Care Technology will be offered

The institute has special emphasize on character building, and awareness on medical ethics so that a cadre of empathetic professionals be produced and could be able to adopt ethical approaches in the health care positions.

Vision

To produce qualified Health Professionals to deliver at national and international level.

Mission

Producing qualified Health Professional in their respective disciplines and enable them to serve the ailing humanity by applying modern teaching/ learning strategies to improve the health care system of the country in General and Khyber Pakhtunkhwa in Particular.

Sarhad Institute of Allied Health Sciences

Programs Offered:

Doctor of Physiotherapy (DPT)
Bachelor of Science in Anesthesia Technology
Bachelor of Science in Cardiology Technology
Bachelor of Science in Dental Technology
Bachelor of Science in Emergency & Intensive Care Technology
Bachelor of Science in Health Technology
Associate Degree in Medical Lab Technology
Bachelor of Science in Medical Lab Technology
Bachelor of Science in Nutrition & Dietetics
Bachelor of Science in Optometry Technology
Bachelor of Science in Public Health
Bachelor of Science in Radiology & Imaging Technology
Bachelor of Science in Surgical Technology
Bachelor of Science in Cardiac Perfusion Technology
Associate Degree in Biotechnology
Bachelor of Science in Biotechnology
Associate Degree in Microbiology
Bachelor of Science in Microbiology

Faculty Members, Sarhad Institute of Allied Health Sciences

Dr. Fazal Mahmood Khan	Director	MBBS, Khyber Medical College, Peshawar
Dr. Aliman Shah	Deputy Director	MS Musculoskeletal Physical Therapy, KMU , Peshawar
Dr. Nasir Ali	Associate Professor	Ph.D Biotechnology, University of Malakand
Dr. Shabir Ahmad	Associate Professor	Ph.D Applied Biology, Dong-a University, South Korea
Dr. Aamir Aziz	Associate Professor	Ph.D Biotechnology, University of Peshawar
Dr. Muhammad Ateeq	Associate Professor	Ph.D Biochemistry/Molecular Biology, University of Peshawar
Dr. Asif Mehmood	Assistant Professor	Ph.D Botany, Abdul Wali Khan University, Mardan
Dr. Muhammad Yasir Khan	Assistant Professor	Ph.D Biology (Microbiology), King Abdul Aziz University, Saudia Arabia
Dr. Zainab Liaqat	Assistant Professor	Ph.D Microbiology, University of Peshawar
Dr. Sulha Syed	Assistant Professor	Ph.D Biotechnology & Genetic Engg., Agriculture University Peshawar
Mr. Kamran	Asst. Prof./Coordinator	M.Phil Microbiology, Sarhad University, Peshawar
Mr. Muhammad Saqib Khalil	Assistant Professor	M.Phil Biotechnology, Bacha Khan University, Charsadda
Mr. Bilal Nasir	Assistant Professor	M.Phil Microbiology, Hazara University, Mansehra
Ms. Khudija Ghani	Assistant Professor	M.Phil Microbiology, Hazara University, Mansehra
Dr. Inayat Ullah	Assistant Professor	MS Neurological Physical Therapy, KMU, Peshawar
Ms. Shumaila Bakht	Assistant Professor	MSc Agriculture (Human Nutrition), Agriculture University, Peshawar
Dr. Naveed Akhtar	Senior Lecturer	MS Neurological Physical Therapy, KMU, Peshawar
Mr. Hamad Ullah	Lecturer	M.Phil Microbiology, KMU, Peshawar
Mr. Inam Ullah Khan	Lecturer	M.Phil Microbiology, Abasyn University, Peshawar
Mr. Wahid Ullah	Lecturer	M.Phil MLT, University of Haripur
Mr. Muhammad Imran Khan	Lecturer	BS MLT, KMU Peshawar
Ms. Shumaila Ijaz	Lecturer	M.Phil Microbiology, Abasyn University, Peshawar
Mr. Shameem Khan	Lecturer	BS MLT, KMU, Peshawar
Mr. Kaleem Ullah	Lecturer	BS MLT, KMU, Peshawar
Mr. Haroon Rasheed	Lecturer	BS MLT, KMU, Peshawar
Mr. Umer Majeed	Lecturer	MPH, Abdul Wali Khan University, Mardan
Mr. Muhammad Maaz	Lecturer	MPH, KMU, Peshawar. MSc IOVR, Glasgow Caledonian Uni., Glasgow, Scotland
Ms. Syeda Sakina	Lecturer	MPH, IM Sciences, Pesh. BS Food & Nutrition, NIHMS, KMU, Pesh.

Faculty Members, Sarhad Institute of Allied Health Sciences

Dr. Rab Nawaz	Lecturer	DPT, KMU, Peshawar
Dr. Muhammad Tariq	Lecturer	DPT, KMU, Peshawar
Dr. Rabia Naeem	Lecturer	MS Musculoskeletal Physical Therapy, KMU , Peshawar
Dr. Huma Khan	Lecturer	DPT, KMU, Peshawar
Dr. Nawal Fazal	Lecturer	DPT, KMU, Peshawar
Mr. Rahat Ullah	Lecturer	BS Anesthesia, Gandhara University, Peshawar
Mrs. Maheen Najeeb	Lecturer	BS Anesthesia, KMU, Peshawar
Mr. Luqman	Lecturer	BS Anesthesia, KMU, Peshawar
Dr. Farid Ullah Dawar	Lecturer	BDS, Gandhara University, Peshawar
Dr. Mehwish Fazal	Lecturer	BDS, Khyber College of Dentistry, Peshawar
Mr. Mazhar Ud Din	Lecturer	BS Dental Technology, KMU, Peshawar
Mr. Abdullah	Lecturer	BS Health, KMU, Peshawar
Ms. Umar Zainab	Lecturer	BS Radiology, KMU, Peshawar
Ms. Sundas	Lecturer	BS Radiology, Iqra National University, Peshawar
Ms. Kanwal Bano	Lecturer	BS Radiology, KMU, Peshawar
Mr. Zarak Khan	Lecturer	BS Surgical Technology, KMU, Peshawar
Mr. M. Talha Majeed Ghouri	Lecturer	BS Surgical, KMU, Peshawar
Mr. Fahad Ali Khan	Lecturer	M.Phil Political Science, University of Peshawar
Mr. Musadiq Khan	Lecturer	BS Cardiology, KMU, Peshawar
Mr. Javed Zeb	Lecturer	M.Phil Statistics, University of Peshawar
Mr. M. Muzammil Arshad	Lecturer	M.Phil Chemistry, Sarhad University Peshawar
Ms. Kehkashan Sabir	Lecturer	M.Phil Biochemistry, Sarhad University Peshawar
Ms. Saliha Salam	Lecturer	BS Chemistry, Islamia College University Peshawar
Ms. Nabila Farman	Lecturer	BSc Agriculture (Human Nutrition), Agriculture University, Pesh.
Dr. Muhammad Yasir	Lecturer	MBBS, KMU Peshawar
Mr. Muhammad Arif	Lecturer	BS Radiology Technology, KMU Peshawar
Mr. Mobin Wazir	Lecturer	BS Health Technology, KMU Peshawar

Doctor of Physiotherapy

Program Code	107
Number of Courses	57+ 6 SCP + Research Project
Credit Hours	176
Minimum Duration	10 Semesters, 5 Years
Maximum Duration	20 Semesters, 10 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 60% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 60% marks in annual system or 3.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any Registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

The 5-years rigorous program will practically train graduates capable to demonstrate in-depth knowledge of the basic and clinical sciences relevant to physiotherapy, both in their fundamental context and in their application to the discipline of physiotherapy. The graduates will be trained in leadership qualities, management and communication skills to effectively practice physiotherapy for the welfare of mankind. The qualified physiotherapist will professionally assist in the recovery and reducing miseries of patients.

Program Outcomes :

The graduates will be able to demonstrate in-depth knowledge of basic and applied physiotherapy. They will be able to help the patients skillfully to relieve them from agony. They will be able to take right quick clinical decisions based on the assessment of patients. Graduates will be qualified to develop human healthcare regulations and policies consistent with the requirement of the patients and society. Graduates will be capable of leadership, management and communication skills to effectively participate in physiotherapy practice and the healthcare system.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
DPT 101	Anatomy-I	3-1
DPT 103	Physiology-I	2-1
GE 110	Introduction to Philosophy	2-0
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
DPT 102	Kinesiology and Biomechanics-I	2-1
ENG 100	Functional English	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
DPT 111	Anatomy-II	3-1
DPT 113	Physiology-II	2-1
DPT 112	Kinesiology and Biomechanics-II	2-1
ENG 116	Expository Writing	3-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
DPT 241	Behavioral Sciences	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs.18
DPT 221	Anatomy–III	2-1
DPT 223	Physiology-III	2-1
NS 201	Fundamentals of Biology	2-1
DPT 240	Biomechanics & Ergonomics-I	3-0
MA 100	Mathematics-I (Pre Calculus)	3-0
DPT 202	Basic Pathology & Microbiology	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.18
DPT 234	Anatomy-IV (Neuro Anatomy)	2-1
DPT 238	Physiology-IV (Exercise Physiology)	2-1
IT 107	Applications of ICT	2-1
MA 219	Biostatistics	3-0
DPT 312	Pharmacology-I	3-0
DPT 235	Biomechanics & Ergonomics-II	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
GE 305	Civics & Community Engagement	1-1
GE 307	Entrepreneurship	2-0
DPT 313	Physical Agents & Electrotherapy-I	2-1
DPT 317	Health & Wellness	2-0
DPT 319	Supervised Clinical Practice-I	0-3
CH 225	Biochemistry & Genetics-I	2-0
DPT 240	Medical Physics	2-1

6th Semester

Course Code	Course Title	Cr. Hrs.16
DPT 420	Human Growth Development & Community Based Rehabilitation	2-0
DPT 321	Pharmacology-II	2-0
DPT 322	Physical Agents & Electrotherapy-II	2-1
DPT 418	Musculoskeletal Physical Therapy	2-1
DPT 329	Supervised Clinical Practice-II	0-3
DPT 320	Therapeutic Exercise & Techniques	2-1

7th Semester

Course Code	Course Title	Cr. Hrs.18
DPT 411	Medicine-I	3-0
DPT 413	Surgery-I	3-0
DPT 451	Evidence Based Practice	2-1
DPT 323	Manual Therapy	2-1
DPT 429	Supervised Clinical Practice-III	0-3
DPT 327	Teaching Methodology & Community Medicine	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.18
DPT 432	Medicine-II	3-0
DPT 434	Surgery-II	3-0
DPT 444	Neurological Physical Therapy	2-1
DPT 415	Radiology & Diagnostic Imaging	2-1
DPT 459	Supervised Clinical Practice-IV	0-3
DPT 523	Emergency Procedures & Care in Physical Therapy	2-1

9th Semester

Course Code	Course Title	Cr. Hrs.18
DPT 511	Cardiopulmonary Physical Therapy	2-1
DPT 457	Prosthetic & Orthotics	2-0
DPT 541	Integumentry Physical Therapy	2-0
DPT 535	Clinical Decision Making & Differential Diagnosis	3-0
DPT 537	Scientific Inquiry & Research Methodology	2-1
DPT 538	Professional Practice (Law, Ethics & Administration)	2-0
DPT 549	Supervised Clinical Practice-V	0-3

10th Semester

Course Code	Course Title	Cr. Hrs.18
DPT 560	Obstetrics & Gynaecological Physical Therapy	2-0
DPT 561	Paediatric Physical Therapy	2-0
DPT 564	Gerontology & Geriatric Physical Therapy	2-0
DPT 565	Sports Physical Therapy	2-0
DPT 579	Supervised Clinical Practice-VI	0-4
DPT 590	Research Project	0-6

Bachelor of Science in
Anesthesia Technology

Program Code	198
Number of Courses	46 + Seminar + Project
Credit Hours	134

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

To equip the anesthesia technologist with modern skills and latest technical knowledge to help in health care delivery system and to prepare the graduate for higher studies and research purpose.

Program Outcomes :

The BS Anesthesia Technology course is a four years degree program aimed at training students in the technological spheres of anesthesia care with a good scientific foundation. These students will be in a position to assist the health care provider (Anesthesiologist, Surgeon). On completion of the course they will play a key role in quality of health care facilities in the province, country and across the globe. With advance training in the latest technology these students will able to open the door of new research in anesthesia technology and ensure the safety of the patient at the maximum.

Merit List Policy

The merit list will be prepared on the basis of following:

Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
NS 201	Fundamentals of Biology	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
IT 107	Applications of ICT	2-1
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
HS 112	Medical Biochemistry	2-1
HS 208	Basic Pathology	2-1
GE 110	Introduction to Philosophy	2-0
AN 200	Anatomy Related to Anesthesia	2-1
MB 200	Basic Medical Microbiology	2-1
GE 205	Civics & Community Engagement	1-1

4th Semester

Course Code	Course Title	Cr. Hrs.16
HS 212	Pharmacology	2-1
AN 202	Physiology Related to Anesthesia	2-1
AN 204	Physics Related to Anesthesia	2-1
MD 301	Community Medicine	2-0
MLT 313	Blood Banking	2-0
MLT 313C	Blood Banking (CP)	0-1
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.15
PSY 300	Behavioral Science	3-0
MLT 202	Hematology	2-1
AN 301	Pharmacology Related to Anesthesia	2-1
AN 303	Anesthesia Equipment	2-1
AN 305	History Taking (pre-operative assessment, medication & post-ope:care)	2-0
AN 305C	History Taking-POA&MPOC (CP)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
RES 477	Research Methodology	3-0
GS 306	Bioethics	3-0
AN 307	Anesthesia & Co-existing Diseases	2-0
AN 307C	Anesthesia & Co-existing Diseases (CP)	0-1
AN 309	Intensive Care	2-0
AN 309C	Intensive Care (CP)	0-1
AN 311	Types of Anesthesia	2-0
AN 311C	Types of Anesthesia (CP)	0-1
AN 313	Anesthesia related complications & their Management	2-0
AN 313C	Anesthesia related complications & their Management (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.17
AN 400	Anesthesia for Cardiothoracic Surgery	2-0
AN 400C	Anesthesia for Cardiothoracic Surgery (CP)	0-1
AN 402	Anesthesia for Neuro: Emergency and Geriatric Surgery	2-0
AN 402C	Anesthesia for Neuro: Emergency and Geriatric Surgery (CP)	0-1
AN 404	Anesthesia for G/Surgery/Orthopedic & Urological Procedures	2-0
AN 404C	Anesthesia for G/Surgery/Orthopedic & Urological Procedures (CP)	0-1
AN 406	Anesthesia for Eye Surgical Procedures	2-0
AN 406C	Anesthesia for Eye Surgical Procedures (CP)	0-1
AN 408	Anesthesia for Ear,Nose,Throat Surgery	2-0
AN 408C	Anesthesia for Ear,Nose,Throat Surgery (CP)	0-1
PH 401	Epidemiology	2-0

8th Semester

Course Code	Course Title	Cr. Hrs.18
AN 411	Electrocardiograph for Anesthetist	2-0
AN 411C	Electrocardiograph for Anesthetist (CP)	0-1
AN 413	Anesthesia For Dental, Maxillofacial, Head and Neck Surgery	2-0
AN 413C	Anesthesia For Dental, Maxillofacial, Head and Neck Surgery	0-1
AN 415	Anesthesia for Obstetric & Pediatric Surgery	2-0
AN 415C	Anesthesia for Obstetric & Pediatric Surgery	0-1
HR 305	Leadership & Management	2-0
AN 417	Seminar	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Cardiology Technology

Program Code	223
Number of Courses	44 + Seminar + Project
Credit Hours	127

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To develop a strong foundational knowledge in human anatomy, physiology, biochemistry, pathology and cardio vascular system specifically related to Cardiology Technology.
- To equip the students with practical skills in the use of equipment specific to cardiology, such as ECG, echocardiography, ETT, holter monitoring, electro physiology and catheterization laboratories
- To promote critical thinking and problem-solving abilities through case studies, simulators and clinical rotations in diverse healthcare settings.
- To enhance students' understanding of professional and ethical standards in cardiology technology. Emphasizing patient safety, quality assurance and effective communication within the healthcare team
- To prepare graduates for leadership roles and continuous professional development in the field of cardiology technology, including participation in research, education and advocacy

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of cardiovascular anatomy, physiology and pathology relevant to cardiology practice.
- Graduates will exhibit proficiency in operating and troubleshooting cardiology equipment and techniques, ensuring optimal patient care.
- Graduates will apply evidence-based practices and critical thinking skills to effectively manage cardiology scenarios and respond to clinical challenges
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication, and a commitment to patient safety and quality care.
- Graduates will be prepared for leadership roles in cardiac technology, engaging in continuous learning, research and professional development to advance the field and improved patient outcome.

Merit List Policy:

The merit list will be prepared on the basis of following:

Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
NS 201	Fundamentals of Biology	2-1
QT 100	Quran-e-Majeed Teaching	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
IT 107	Applications of ICT	2-1
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
HS 112	Medical Biochemistry	2-1
CRD 201	Cardiopulmonary Anatomy	2-1
HS 208	Basic Pathology	2-1
MB 202	Basic Medical Microbiology	2-1
GE 205	Civics & Community Engagement	1-1
GE 110	Introduction to Philosophy	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
HS 212	Pharmacology	2-1
MLT 202	Hematology	2-1
CRD 206	Electrocardiography-I	2-0
CRD 206C	Electrocardiography-I (CP)	0-1
GS 306	Bio Ethics	3-0
GE 307	Entrepreneurship	2-0
CRD 318	Medical Physics	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
PSY 300	Behavioral Science	3-0
CRD 303	Cardiopulmonary Physiology	2-1
CRD 305	Electrophysiology	2-1
CRD 307	Echocardiography-I	2-0
CRD 307C	Echocardiography-I (CP)	0-1
CRD 311	Electrocardiography-II	2-0
CRD 311C	Electrocardiography-II (CP)	0-1
PH 401	Epidemiology	2-0

6th Semester

Course Code	Course Title	Cr. Hrs.15
RES 477	Research Methodology	3-0
CRD 314	Interventional Cardiology	2-0
CRD 314C	Interventional Cardiology (CP)	0-1
CRD 320	Echocardiography-II	2-0
CRD 320C	Echocardiography-II (CP)	0-1
CRD 324	Critical Care	2-0
CRD 324C	Critical Care (CP)	0-1
MD 201	Clinical Medicine-I	2-0
MD 201C	Clinical Medicine-I (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.15
CRD 400	Diagnostic Equipment's in Cardiology	2-0
CRD 400C	Diagnostic Equipment's in Cardiology (CP)	0-1
CRD 402	Pulmonary Diseases	2-0
CRD 402C	Pulmonary Diseases (CP)	0-1
CRD 404	Nuclear Cardiology	2-0
CRD 404C	Nuclear Cardiology (CP)	0-1
CRD 406	Diseases of Heart	2-0
CRD 406C	Diseases of Heart (CP)	0-1
CRD 411	Preventive Cardiology	2-0
CRD 411C	Preventive Cardiology (CP)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.13
MD 301	Clinical Medicine-II	2-0
MD 301C	Clinical Medicine-II (CP)	0-1
CRD 412	Cardiac Surgery	2-0
CRD 412C	Cardiac Surgery (CP)	0-1
RES 480	Research Project	0-6
CRD 417	Seminar	0-1

Bachelor of Science in
Dental Technology

Program Code	197
Number of Courses	45 + Seminar + Project
Credit Hours	134
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical / Dental Hygiene) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University

Program Objectives:

- To have in-depth knowledge of Anatomy, Physiology, Biochemistry and Pathology of Head & Neck.
- To enable the students to have necessary technical skills to operate, manage & maintain the Dental Chair, Dental X-Ray, Autoclave and other equipment and dental material for optimal use.
- To enable the dental technologist to fabricate prosthodontics and orthodontics appliances, crown, bridges and surgical splints.
- To inculcate ethical principles and professional standards in students making them useful members of the dental surgical team.
- To perform an effective roll in the field of dentistry to improve the community dental health.
- To inculcate research articles reading habits to keep up with new knowledge in the field.

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of Anatomy, Physiology, Biochemistry and Pathology of Head & Neck.
- Graduates will exhibit proficiency in operating and maintaining the dental equipment and material to ensure optimal patient care.
- Graduates will apply evidence-based practices and critical thinking skills to effectively manage the dental procedure and respond to clinical challenges.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication and commitment to patient safety and quality care.
- Graduates will be able to work as an effective member of dental surgical team.
- Graduates will engage in research in the field of anesthesia to improve patient care.

Merit List Policy:

The merit list will be prepared on the basis of following:
FSc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
NS 201	Fundamentals of Biology	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
IT 107	Applications of ICT	2-1
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
MB 200	Basic Medical Microbiology	2-1
HS 208	Basic Pathology	2-1
GE 110	Introduction to Philosophy	2-0
DT 201	Dental Materials-I	2-1
HS 112	Medical Biochemistry	2-1
GE 205	Civics & Community Engagement	1-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
HS 212	Pharmacology	2-1
DT 210	Tooth Morphology	2-0
DT 210C	Tooth Morphology (CP)	0-1
DT 212	Dental Materials-II	2-0
DT 212C	Dental Materials-II (CP)	0-1
DT 214	Periodontology	2-0
DT 214C	Periodontology (CP)	0-1
DT 216	Oral Pathology & Oral Medicine	2-0
DT 216C	Oral Pathology & Oral Medicine (CP)	0-1
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.15
PSY 300	Behavioral Science	3-0
DT 300	Partial Denture Prosthodontics	2-0
DT 300C	Partial Denture Prosthodontics (CP)	0-1
DT 301	Orthodontics-I	2-0
DT 301C	Orthodontics-I (CP)	0-1
DT 303	Minor Oral Surgery-I	2-0
DT 303C	Minor Oral Surgery-I (CP)	0-1
DT 305	Community & Preventive Dentistry	2-0
DT 305C	Community & Preventive Dentistry (CP)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
RES 477	Research Methodology	3-0
DT 311	Fundamentals of Oral & Maxillofacial Radiology	2-0
DT 311C	Fundamentals of Oral & Maxillofacial Radiology (CP)	0-1
DT 313	Conservative Dentistry-I	2-0
DT 313C	Conservative Dentistry-I (CP)	0-1
DT 315	Complete Denture Prosthodontics	2-0
DT 315C	Complete Denture Prosthodontics (CP)	0-1
DT 319	Orthodontics-II	2-0
DT 319C	Orthodontics-II (CP)	0-1
GS 306	Bioethics	3-0

7th Semester

Course Code	Course Title	Cr. Hrs.18
DT 401	Conservative Dentistry-II	3-0
DT 403	Maxillofacial Prosthodontics	2-0
DT 403C	Maxillofacial Prosthodontics (CP)	0-1
DT 405	Fixed Prosthodontics	2-0
DT 405C	Fixed Prosthodontics (CP)	0-1
DT 407	Fundamentals of Implantology	2-0
DT 407C	Fundamentals of Implantology (CP)	0-1
DT 409	Fundamental of Infection Control	2-0
DT 409C	Fundamental of Infection Control (CP)	0-1
DT 203	Oral Histology	2-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
DT 411	Medical Emergencies in Dental Practice	2-0
DT 411C	Medical Emergencies in Dental Practice (CP)	0-1
DT 413	Minor Oral Surgery-II	2-0
DT 413C	Minor Oral Surgery-II (CP)	0-1
DT 317	Pediatric Dentistry	2-0
DT 317C	Pediatric Dentistry(CP)	0-1
DT 417	Seminar	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Emergency & Intensive Care Technology

Program Code	246
Number of Courses	48 + Project
Credit Hours	138
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered with Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University

Program Objectives:

- To abreast the students with a deep understanding of Anatomy, Physiology, Pharmacology and Biochemistry of the human body.
- To equip the students with modern techniques and skills necessary to operate and maintain the equipment's in ready and functioning conditions available in the department of emergency and ICU.
- To familiarize the students about clinical settings to develop competency in monitoring and adjusting parameters for the patients in emergency and ICU.
- To grasp the knowledge about the ethical principles and professional standards by the students, making them responsible and useful member of the team managing causalities and patients in crisis in ICU.
- To impart training of administrative and communication skills to perform in the environment efficiently to show the expertise in legal implications of emergency cases and application of professional attitude during the management of crisis.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Program Outcomes :

- Graduates will be able to demonstrate the knowledge of human structure, functions and disease process.
- Graduates will exhibit the knowledge regarding the techniques, skills and attitude necessary to perform safely and accurately all basic and advanced life support procedures in emergency or critical care trauma and other pathetic conditions of the patient in ICU.
- Graduates will emphasize proficiency in operating the equipment's in emergency and ICU and apply the techniques to ensure optimal patient care.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication and commitment to patient safety and quality care.
- Graduates will demonstrate leadership in covering the emergencies and treating intensive care patient's technology, engaging in continuous learning, research and advance proposal in the field to improve patient outcome.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre-Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
NS 201	Fundamentals of Biology	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/ Values, Ethics & Society (For Non-Muslims)	2-0
IT 107	Applications of ICT	2-1
ENG 116	Expository Writing	3-0
MA 219	Biostatistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
MB 200	Basic Medical Microbiology	2-1
HS 208	Basic Pathology	2-1
GE 110	Introduction to Philosophy	2-0
PH 401	Epidemiology	2-0
HS 206	Pharmacology-I	2-1
PSY 300	Behavioral Sciences	3-0
EM 101	Emergency & its Types	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.18
HS 112	Medical Biochemistry	2-1
IC 201	Intensive Care Monitoring-I	1-0
IC 201C	Intensive Care Monitoring-I (CP)	0-1
HS 212	Bioethics	3-0
GE 205	Civics & Community Engagement	1-1
MLT 202	Hematology	2-1
EM 201	Fundamental of Emergency	2-0
EM 201C	Fundamental of Emergency (CP)	0-1
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
HS 313	Pharmacology-II	2-1
IC 301	Respiratory Therapy-I	2-0
IC 301C	Respiratory Therapy-I (CP)	0-1
IC 303	Surgical Emergency	2-0
IC 303C	Surgical Emergency (CP)	0-1
EM 303	Burn & Toxicology	2-0
EM 303C	Burn & Toxicology (CP)	0-1
EM 307	Basic & Advance Life Support	2-0
EM 307C	Basic & Advance Life Support (CP)	0-1
IC 305	Medical Emergency	2-0
IC 305C	Medical Emergency (CP)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
AN 303	Anesthesia Equipment	2-0
AN 303C	Anesthesia Equipment (CP)	0-1
IC 307	Respiratory Therapy-II	2-0
IC 307C	Respiratory Therapy-II (CP)	0-1
IC 309	Intensive Care Monitoring-II	2-0
IC 309C	Intensive Care Monitoring-II (CP)	0-1
IC 311	Neonatal & Pediatric Critical Care	2-0
IC 311C	Neonatal & Pediatric Critical Care (CP)	0-1
EM 320	Trauma Emergency-I	2-0
EM 320C	Trauma Emergency-I (CP)	0-1
EM 326	Cardiovascular Emergency	2-0
EM 326C	Cardiovascular Emergency (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.17
IC 401	Obstetrical Critical Care	2-0
IC 401C	Obstetrical Critical Care (CP)	0-1
RES 477	Research Methodology	3-0
EM 409	Diagnostic Imaging	1-0
EM 409C	Diagnostic Imaging (CP)	0-1
EM 330	Fundamental of Infection Control	2-0
EM 330C	Fundamental of Infection Control (CP)	0-1
EM 423	Ambulance Operation & Management	2-0
EM 423C	Ambulance Operation & Management (CP)	0-1
EM 425	Disaster Management	2-0
EM 425C	Disaster Management (CP)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.15
EM 405	Trauma Emergency-II	2-0
EM 405C	Trauma Emergency-II (CP)	0-1
MD 315	Medicine	2-0
MD 315C	Medicine (CP)	0-1
IC 407	Surgical Intensive Care	2-0
IC 407C	Surgical Intensive Care (CP)	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Health Technology

Program Code	193
Number of Courses	48 + Research Project
Credit Hours	139
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To have in-depth knowledge of human Anatomy, Physiology, Biochemistry and Pathology.
- To enable the students to have the necessary skills to work in all the healthcare outlets from primary to tertiary health care facilities.
- To enable the health technologist to have the basic knowledge of operating commonly available medical and surgical equipment in the wards and emergency units of healthcare facility.
- To inculcate ethical principles and professional standards in the students to deliver primary healthcare services in the community.
- To enable the students to focus on preventive aspect of field of health specifically targeting on preventable diseases through EPI vaccination program in the community.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of human Anatomy, Physiology, Biochemistry and Pathology.
- Graduates will exhibit necessary skills to work in all the healthcare outlets from primary to tertiary health care facilities.
- Graduates will demonstrate operating commonly available medical and surgical equipment in the wards and emergency units of healthcare facility.
- Graduates will effectively demonstrate ethical principles and professional standards to deliver primary healthcare services in the community.
- Graduates will show focused approach on preventive aspect of field of health specifically focusing on preventable diseases through running effective EPI vaccination program in the community.
- Graduates will adhere to the highest ethical standards demonstrating professionalism and effective communication to gain trust of the community for better acceptance of healthcare services being provided.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
HS 112	Medical Biochemistry	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
IT 107	Applications of ICT	2-1
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
HS 208	Basic Pathology	2-1
NS 201	Fundamentals of Biology	2-1
MD 200	The Digestive System	2-0
MD 200C	The Digestive System (CP)	0-1
MD 203	The Diseases of Liver & Biliary Tract	2-0
MD 203C	The Diseases of Liver & Biliary Tract (CP)	0-1
HS 206	Pharmacology-I	3-0
MD 207	First Aid and Patient Safety	2-0
MD 207C	First Aid and Patient Safety (CP)	0-1

4th Semester

Course Code	Course Title	Cr. Hrs.18
MD 210	The Respiratory Diseases	2-0
MD 210C	The Respiratory Diseases (CP)	0-1
MD 212	The Endocrine Diseases	2-0
MD 212C	The Endocrine Diseases (CP)	0-1
MD 214	The Infectious & Tropical Diseases	2-0
MD 214C	The Infectious & Tropical Diseases (CP)	0-1
MD 205	Renal Diseases & Fluid and Electrolytes	2-0
MD 205C	Renal Diseases & Fluid and Electrolytes (CP)	0-1
GE 307	Entrepreneurship	2-0
GE 205	Civics & Community Engagement	1-1
PH 401	Epidemiology	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.17
MD 300	Poisoning	1-0
MD 300C	Poisoning (CP)	0-1
MD 302	Cardiovascular Diseases	2-0
MD 302C	Cardiovascular Diseases (CP)	0-1
MD 305	Rheumatology & Bone Diseases	2-0
MD 305C	Rheumatology & Bone Diseases (CP)	0-1
MD 307	Diseases of Children	2-0
MD 307C	Diseases of Children (CP)	0-1
MD 306	Preventive Medicine	2-0
MD 306C	Preventive Medicine (CP)	0-1
HS 308	Personal Hygiene & Waste Disposal	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.17
HS 313	Pharmacology-II	2-1
MD 310	Blood Disorders	2-0
MD 310C	Blood Disorders (CP)	0-1
MD 312	Neurological Disorders	2-0
MD 312C	Neurological Disorders (CP)	0-1
MD 314	Psychiatry	1-0
MD 314C	Psychiatry (CP)	0-1
HS 301	Mother Child Health-MCH	1-0
HS 301C	Mother Child Health-MCH (CP)	0-1
HS 303	Expanded Program on Immunization-EPI	1-0
HS 303C	Expanded Program on Immunization-EPI (CP)	0-1
GE 110	Introduction to Philosophy	2-0

7th Semester

Course Code	Course Title	Cr. Hrs.17
MD 400	Skin Diseases	1-0
MD 400C	Skin Diseases (CP)	0-1
SR 401	General Surgery I	2-0
SR 401C	General Surgery I (CP)	0-1
SR 403	General Surgery II	2-0
SR 403C	General Surgery II (CP)	0-1
HS 408	General Orthopedic	2-0
HS 408C	General Orthopedic (CP)	0-1
GS 306	Bioethics	3-0
RES 477	Research Methodology	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.18
SR 407	General Surgery III	2-0
SR 407C	General Surgery III (CP)	0-1
SR 409	General Surgery IV	2-0
SR 409C	General Surgery IV (CP)	0-1
HS 410	Disease of Ear, Nose & Throat	2-0
HS 410C	Disease of Ear, Nose & Throat (CP)	0-1
HS 412	Clinical Opthalmology	2-0
HS 412C	Clinical Opthalmology (CP)	0-1
RES 480	Research Project	0-6

Shams ur Rahman
Gene xpert in-charge
(TB Control Program)
Government of Pakistan

I'd want to express my gratitude to the Department at the Sarhad Institute of Allied Health Sciences (SUIT) and those around me for their assistance in realizing a long-held desire. For me to graduate, many hands were needed. You all have my sincere appreciation. I am currently employed by the government as an in-charge of the TB control program.

Associate Degree in
Medical Lab Technology

Program Code	167
Number of Courses	26
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical / MLT) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University

Program Objectives:

The Two year AD MLT program will acquaint the students with the knowledge in the field of Medical Laboratory Technology and its related academics and applied aspects. The program aims to prepare the students to effectively assist the senior health professionals in the delivery of quality health services from primary to the tertiary level.

Program Outcomes :

The skilled graduates will efficiently and professionally discharge their duties in the functioning of medical laboratory. The graduates will be able to assist the doctors in discharging the duty.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies / Value Ethics and Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
IT 107	Applications of ICT	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
NS 201	Fundamentals of Biology	2-1
ENG 116	Expository Writing	3-0
MA 219	Biostatistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
HS 112	Medical Biochemistry	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
GE 110	Introduction to Philosophy	2-0
GE 205	Civics & Community Engagement	1-1
HS 208	Basic Pathology	2-1
MLT 312	Medical Lab Instruments & Techniques	2-1
MLT 414	Molecular Biology	2-1
MLT 401	Clinical Bacteriology	2-1
PH 401	Epidemiology	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.16
HS 212	Pharmacology	2-1
MLT 216	RBC Disorders	2-1
MLT 209	Histopathology	2-1
MLT 320	Human Genetics	2-1
GE 307	Entrepreneurship	2-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0

Bachelor of Science in
Medical Lab Technology

Program Code	154
Number of Courses	47 + Seminar + Project
Credit Hours	137

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** F.Sc (Pre-Medical / MLT) or A-Level with equivalence certificate from IBCC, Islamabad with at least 45% marks.

Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the 5th semester of their degree program. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks in annual system or Associate Degree in other than relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the Bridge semester of their degree program. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates needs to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- To have in-depth knowledge of Physiology, Biochemistry, Pathology and Anatomy of human body focusing on diagnostic elements.
- To enable the students to have necessary technical skills to operate, manage, troubleshoot & maintenance of Laboratory equipment.
- To enable to maintain protective and cross contamination free environment in the Laboratory and patient sample taking area.
- To inculcate ethical principles and professional standards in students making them useful members of the medical laboratory team.

Program Outcomes :

- Graduates will demonstrate in-depth knowledge of Anatomy, Physiology, Biochemistry and disease process especially general and special pathology of human body
- Graduates will exhibit proficiency to manage & maintain the laboratory cleanliness and sterilization of laboratory instruments and maintenance of the machines and equipment's requires for caring out different tests of the patients.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication and commitment to avoid contamination in order to ensure the patient safety and quality care.
- Graduates will be able to work as an effective member of laboratory team.
- Graduates will engage in continuous professional development, research and education in the field of medical laboratory to improve patient care.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Scheme of Studies:

Bridge Semester (For 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs.18
MLT 102	Human Physiology	2-1
HS 208	General Pathology	2-1
MLT 216	RBC Disorders	2-1
MB 200	Basic Medical Microbiology	2-1
HS 212	Pharmacology	2-1
MLT 100	Human Anatomy	2-1

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies / Value Ethics and Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
IT 107	Applications of ICT	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Biostatistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
HS 105	Medical Biochemistry-I	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.17
HS 203	Medical Biochemistry-II	2-1
HS 204	Basic Pathology-I	2-1
NS 201	Fundamentals of Biology	2-1
MLT 312	Medical Lab Instruments & Techniques	2-1
GE 205	Civics & Community Engagement	1-1
MB 200	Basic Medical Microbiology	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
HS 311	Basic Pathology-II	2-1
MLT 105	Systematic Diagnostic Bacteriology	2-1
HS 212	Pharmacology	2-1
MLT 202	Hematology	2-1
MLT 216	RBC Disorders	2-1
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
MLT 309	Clinical Chemistry & Biochemistry	2-1
MLT 303	WBCs & Platelets Disorder	2-1
MLT 416	Clinical Pathology	2-1
MLT 209	Histopathology	2-1
MLT 319	Medical Virology	2-1
MLT 325	Biotechnology	2-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
MLT 313	Blood Banking	2-1
MLT 403	Clinical Parasitology	2-1
MLT 335	Cytopathology	2-1
MLT 318	Chemical Pathology	2-1
CS 338	Bioinformatics	2-1
MLT 407	Immunology & Serology	2-1

7th Semester

Course Code	Course Title	Cr. Hrs.17
MLT 332	Medical Lab Management Skills	2-1
MLT 418	Biosafety & Biosecurity	2-1
MLT 420	Toxicology & Forensic Serology	2-1
PH 401	Epidemiology	2-1
RES 477	Research Methodology	3-0
GE 110	Introduction to Philosophy	2-0

8th Semester

Course Code	Course Title	Cr. Hrs.16
MLT 422	Endocrinology	2-1
GS 306	Bioethics	3-0
MLT 414	Medical Molecular Biology	2-1
MLT 417	Seminar	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Nutrition & Dietetics

Program Code	196
Number of Courses	46+ Project
Credit Hours	138
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To abreast the students with a deep understanding of Anatomy, Physiology, Pharmacology and Biochemistry especially relevant to the field of nutrition and dietetics which is intake of food, its absorption, assimilation and utilization by the human body.
- To impart the student the knowledge of good nutrition important for the normal growth, development, delaying aging, healthy pregnancy outcomes, maintaining a healthy body and reducing the risks of chronic diseases leading to overall health of wellbeing.
- To develop the fundamental education of nutrition in order to help the individuals to establish food habits and practices that are consistent with the nutritional needs of the body and adopted to the cultural patterns and food resources in the area in which they live.
- To prepare the graduates for leaderships roles and continuous professional developments in the field of nutrition, engaging themselves in research, education and advocacy.
- To enhance the students understanding of professional and ethical standards, emphasizing patients' safety, quality assurance and effective communication within the nutrition and dietetic team.

Program Outcomes :

- Graduates will be able to demonstrate the knowledge of human structure, its functions, intake of food, digestion, its absorption, assimilation, utilization and disease process.
- Graduates will exhibit the knowledge regarding nutritional assessment techniques, skills and attitude necessary to diagnose health problems due to consumption of non-optimal quantities of the nutrients.
- Graduates will grasp the knowledge about the microbial contamination of foods and factors effecting the growth of microorganisms leading to food born infections, intoxications and role of probiotics in our daily life.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication and commitment to patient safety and quality care.
- Graduates will play leadership role in the field of nutrition and dietetics, engaging themselves in continuous learning, research and advance proposal in the field to improve patient outcome.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
HS 101	Human Anatomy - I	2-1
HS 102	Human Physiology - I	2-1
NS 201	Fundamentals of Biology	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
HS 112	Medical Biochemistry	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
GE 205	Civics & Community Engagement	1-1
ND 201	Fundamentals of Humans Nutrition	3-0
FST 200	Essentials of Food Science & Technology	3-0
ND 203	Macronutrients in Human Nutrition	3-0
IT 107	Applications of ICT	2-1
GE 110	Introduction to Philosophy	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.18
HS 212	Pharmacology	2-1
ND 205	Micronutrients in Human Nutrition	3-0
ND 207	Nutrition Through Social Protection	2-0
FST 202	Food Microbiology	2-1
FST 204	Food Safety and Quality Management	2-0
PSY 300	Behavioral Science	3-0
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
BT 300	Introductory Molecular Genetics	3-0
ND 310	Assessments of Nutritional Status	2-1
ND 312	Nutrition Through the life Cycle	3-0
FST 301	Food Analysis	1-2
ND 314	Dietetics-I	2-1
ND 316	Nutrition and Psychology	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.17
RES 477	Research Methodology	3-0
ND 321	Nutritional Education and Awareness	2-0
ND 321C	Nutritional Education and Awareness (CP)	0-1
ND 323	Meal Planning and Management	2-0
ND 323C	Meal Planning and Management (CP)	0-1
ND 325	Public Health Nutrition	2-0
ND 325C	Public Health Nutrition (CP)	0-1
FST 303	Food and Drug Laws	2-0
ND 327	Dietetics-II	2-0
ND 327C	Dietetics-II (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.18
FST 400	Functional Foods and Nutraceuticals	3-0
ND 401	Sports Nutrition	2-0
ND 401C	Sports Nutrition (CP)	0-1
ND 403	Infant and Young Child Feeding	2-0
ND 403C	Infant and Young Child Feeding (CP)	0-1
ND 405	Dietetics-III	2-0
ND 405C	Dietetics-III (CP)	0-1
FST 403	Global Food Issues	3-0
	Elective Course (with 3 Credit Hours)	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.17
ND 410	Nutrition Policies and Programs	3-0
ND 412	Nutrition Practices in Clinical Care	2-0
ND 412C	Nutritional Practices in Clinical Care (CP)	0-1
FST 405	Food Service Management	3-0
	Elective Course (with 2 Credit Hours)	2-0
RES 480	Research Project	0-6

List of Electives (2 Credit Hours) (Select One)

Course Code	Course Title	Cr. Hrs.
ND 414	Drug-Nutrient Interactions	2-0
FST 406	Food Chemistry	2-0
FST 408	Food Supplements	2-0
ND 416	Metabolism of Nutrients	2-0
ND 418	Nutrition Epidemiology	2-0

List of Electives (3 Credit Hours) (Select One)

Course Code	Course Title	Cr. Hrs.
ND 421	Nutritional Immunology	3-0
ND 423	Preventive Nutrition	3-0
ND 425	Nutrition in Emergencies	3-0
FST 410	Food Toxins & Allergens	3-0
ND 427	Nutritional Deficiency Disorders	3-0

Wali Ullah
Lab Technologist
Islamabad Diagnostic Center, Islamabad

We sincerely appreciate the faculty and staff of Sarhad Institute of Allied Health Sciences (SUIT) for their unwavering commitment to the welfare of our students and the achievement of our educational objectives. I genuinely have nothing but appreciation for the faculty's prompt and flexible responsiveness to our educational needs and individual endeavors in light of the (very) exceptional circumstances. At the moment, I am employed as a lab technician at the Islamabad Diagnostic Center. Having such a capable faculty looking out for us gives me great comfort.

Bachelor of Science in
Optometry Technology

Program Code	224
Number of Courses	45 + Project
Credit Hours	136
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

Candidates will appear in an interview to be conducted by the University

Program Objectives:

- To develop a strong foundational knowledge in anatomy of Eye, physiology, biochemistry and pathology of Eye specifically related to Optometry & refraction technology.
- To equip the students with practical skills in the use of equipment specific to Optometry & refraction technology.
- To promote critical thinking and problem-solving abilities through case studies, simulations and clinical rotations in healthcare outlets.
- To enhance students' understanding of professional and ethical standards in Optometry & refraction technology emphasizing patient safety, quality `assurance and effective communication within the healthcare system.
- To prepare students for leadership roles and continuous professional development in the field of Optometry & Refraction. The program also focuses on ocular therapeutics, including participation in research and analysis, preventive health education and advocacy in the community.

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of Optometry & Refraction including its anatomy, physiology and pathology.
- Graduates will demonstrate proficiency in operating, maintaining and troubleshooting of the equipment related to Optometry & Refraction ensuring optimal patient care.
- Graduates will apply evidence-based practices and critical thinking skills to effectively manage and respond to the clinical challenges in the field of Optometry & Refraction.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication, and a commitment to patient safety and quality care in the community.
- Graduates will be play leadership roles in Optometry & Refraction, engaging in continuous learning, research and professional development for advancement in the field and improved patient outcome.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies /	
	Value Ethics and Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
NS 201	Fundamentals of Biology	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS103	Human Anatomy-II	2-1
HS104	Human Physiology-II	2-1
HS 112	Medical Biochemistry	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
OPT 201	Anatomy of the Eye	2-1
OPT 203	Physiology of the Eye	2-1
IT 107	Applications of ICT	2-1
HS 208	Basic Pathology	2-1
GE 205	Civics & Community Engagement	1-1
GE 110	Introduction to Philosophy	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
OPT 210	Basic Clinical Skills in Optometry	2-0
OPT 210C	Basic Clinical Skills in Optometry (CP)	0-1
OPT 212	Skills for Adv. Visual Function Assessment	2-0
OPT212C	Skills for Adv. Visual Function Assessment (CP)	0-1
OPT 214	Basic Community Ophthalmology	2-0
OPT 214C	Basic Community Ophthalmology (CP)	0-1
OPT 216	Ocular Pharmacology	2-1
OPT 218	Basic Ocular Diseases	2-0
OPT 218C	Basic Ocular Diseases (CP)	0-1
GS 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
OPT 300	Ophthalmic Nursing	2-0
OPT 302	Advance Ocular Diseases	2-0
OPT 302C	Advance Ocular Diseases (CP)	0-1
OPT 304	Physiological Visual Optics	2-1
OPT 306	Clinical Refraction	2-0
OPT 306C	Clinical Refraction (CP)	0-2
OPT 207	Geometrical & Physical Optics	2-1
OPT 205	Public Health & Optometry	2-1

6th Semester

Course Code	Course Title	Cr. Hrs.17
OPT 311	Instrument Optics	1-0
OPT 311C	Instrument Optics (CP)	0-1
OPT 313	Dispensing Optics	3-0
OPT 313C	Dispensing Optics (CP)	0-1
OPT 315	Contact Lens	2-0
OPT 315C	Contact Lens (CP)	0-2
OPT 317	Low Vision	2-0
OPT 317C	Low Vision (CP)	0-2
OPT 319	Clinical Practice-I	0-3

7th Semester

Course Code	Course Title	Cr. Hrs.18
OPT 401	Vision Sciences & Clinical Optics	2-0
OPT 401C	Vision Sciences & Clinical Optics (CP)	0-2
OPT 403	Advance Clinical Contact Lens	1-0
OPT 403C	Advance Clinical Contact Lens (CP)	0-1
OPT 405	Pediatric Optometry	2-0
OPT 406	Clinical Practice-II	0-4
RES 477	Research Methodology	3-0
OPT 308	Orthoptics	2-0
OPT 308C	Orthoptics (CP)	0-1

8th Semester

Course Code	Course Title	Cr. Hrs.16
OPT 410	Clinical Optics & Binocular Vision	2-0
OPT 410C	Clinical Optics & Binocular Vision (CP)	0-2
PSY 300	Behavioral Science	3-0
OPT 412	Neuro Ophthalmology	2-0
OPT 412C	Neuro Ophthalmology (CP)	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Public Health

Program Code	153
Number of Courses	45+ Research Project
Credit Hours	136

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iii. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

To train competent, committed and skilled public healthcare professionals with sound knowledge of public health that will improve public health auxiliary and support services. Prepare leadership in public health. Develop, administer and evaluate health policies and programs. They will confidently participate in efforts to improve the health of the community using assessment of preventive services. To train graduates in the conduct of basic and applied research relevant to the description, risk factors and interventions for the resolution of health problems in the human population and community.

Program Outcomes :

The graduates will be qualified to solve health related problems within financial, socio-cultural, environmental, ethical and political framework of Pakistan and its surrounding regions. They will be able to design, conduct, analyze and interpret the results of epidemiological investigations, projects and programs. They would be able to plan, manage, and evaluate interventions in the field of public health. They would be efficient in communicating with public health messages to diverse audience of the community. They will be able to advocate public health intervention and practices with equity.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
ENG 100	Functional English	3-0
MA 100	Mathematics-I (Pre Calculus)	3-0
NS 201	Fundamentals of Biology	3-0
GS 110	Sociology of Health Disease	3-0
PH 203	Pupulations Dynamics	2-1
GH 101/102	Islamic Studies/ Values, Ethics & Society (For Non Muslims)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Biostatistics	3-0
PSY 110	Principles of Psychology	3-0
PH 103	Medical Anthropology	3-0
PH 105	Personal Hygiene	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs.16
IT 107	Applications of ICT	2-1
PH 205	Primary Health Care	3-0
PH 207	Concept of Health and Disease	3-0
PH 309	Community Nutrition	3-0
GE 110	Introduction to Philosophy	2-0
GE 205	Civics & Community Engagement	1-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
GS 422	Professional Ethics	3-0
PH 210	Basic Epidemiology	3-0
MA 209	Elementary Statistics	3-0
PH 212	Health Promotion, Advocacy & Social Mobilization	3-0
PH 416	Disaster Management	3-0
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.15
PH 311	Community Pediatrics	3-0
PH 313	Fundamental Principles of Infectious Diseases	3-0
PH 315	Epidemiology of Infectious Diseases	3-0
PH 317	Non Communicable Diseases Epidemiology	3-0
PH 201	Health Economics	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.18
PH 320	Reproductive Health	3-0
PH 322	Environment & Occupational Health	3-0
PH 324	Health Policy and Management	3-0
PH 326	Health Planning	3-0
PH 328	District Health Management	3-0
PH 330	Health Professional Education	3-0

7th Semester

Course Code	Course Title	Cr. Hrs.18
PH 400	Mental Health	3-0
PH 402	Health Marketing	3-0
RES 477	Research Methodology	3-0
	Elective 1	3-0
	Elective 2	3-0
RES 491	Research Project (Phase-I)	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.18
MB 202	Basic Medical Microbiology	3-0
PH 406	Entomology	3-0
PH 408	Parasitology	3-0
	Elective 3	3-0
	Elective 4	3-0
RES 492	Research Project (Phase-II)	0-3

Electives

Course Code	Course Title	Cr. Hrs.
PH 410	International Health	3-0
PH 412	Health Financing	3-0
PH 414	Health Inventory Management	3-0
PH 418	Quality Management in Health Care	3-0
PH 421	School Health	3-0
PH 422	Health Information System	3-0
PH 423	Health Project Management	3-0
PH 424	Community Dentistry	3-0
PH 425	Community Psychiatry	3-0
PH 426	Community Nursing	3-0
PH 427	Food Safety	3-0
PH 428	Health Marketing	3-0
PH 429	Addiction and Social Rehabilitation	3-0
PH 430	Sports Medicine	3-0
PH 431	Adolescent and Sexual Health	3-0

Bachelor of Science in
Radiology & Imaging Technology

Program Code	194
Number of Courses	49 + Project
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidate with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To develop a strong foundational knowledge in the anatomy of human body, with basic knowledge of its physiology, biochemistry and pathology.
- To equip the students with practical skills in the use, radiation protection and maintenance of equipment specific to radiology and imaging e.g. ultra-sonography, MRI/CT, Mammography & Fluoroscopy etc.
- To promote critical thinking and problem-solving abilities through case studies, simulations and clinical rotations in healthcare outlets.
- To enhance students' understanding of professional and ethical standards in radiology and imaging technology emphasizing patient safety, quality `assurance and effective communication.
- To focus and participate in research and analysis in the field of radiology and imaging.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of radiology and imaging including the anatomy of human body, physiology and pathology.
- Graduates will demonstrate proficiency in practical skills in the use, radiation protection, troubleshooting and maintenance of equipment specific to radiology and imaging ensuring optimal patient care.
- Graduates will apply evidence-based practices and critical thinking skills to effectively manage and respond to the clinical challenges in the field of radiology and imaging.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication, and a commitment to patient safety and quality care.
- Graduates will demonstrate skills in research and analysis in the field of radiology and imaging.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies /	
	Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
IT 107	Applications of ICT	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
NS 201	Fundamentals of Biology	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
HS 112	Medical Biochemistry	2-1
HS 208	General Pathology	2-1
RD 201	Regional and Radiological Anatomy-I	2-0
RD 201C	Regional and Radiological Anatomy-I (CP)	0-1
RD 203	General Radiology	2-0
RD 203C	General Radiology (CP)	0-1
GE 205	Civics & Community Engagement	1-1
GE 110	Introduction to Philosophy	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
HS 212	Pharmacology	2-1
RD 210	Regional and Radiological Anatomy-II	2-0
RD 210C	Regional and Radiological Anatomy-II (CP)	0-1
RD 212	Conventional Radiological Procedures & Clinical Practice	2-0
RD 212C	Conventional Radiological Procedures & Clinical Practice (CP)	0-1
RD 214	Radiological Positioning & Clinical Practice	2-0
RD 214C	Radiological Positioning & Clinical Practice (CP)	0-1
PSY 300	Behavioral Science	3-0
GE 307	Entrepreneurship	2-0

5th Semester

Course Code	Course Title	Cr. Hrs.18
GS 306	Bio Ethics	3-0
RD 301	Computed & Digital Radiography	1-0
RD 301C	Computed & Digital Radiography (CP)	0-1
RD 303	Radiobiology & Radiation Protection	1-0
RD 303C	Radiobiology & Radiation Protection (CP)	0-1
MD 201	Clinical Medicine-I	1-0
MD 201C	Clinical Medicine-I (CP)	0-1
RD 305	Computed Tomography	2-0
RD 305C	Computed Tomography (CP)	0-1
RD 307	Mammography and Special Radiological Techniques	2-0
RD 307C	Mammography and Special Radiological Techniques (CP)	0-1
RD 205	Radiation Sciences and Technology	2-0
RD 205C	Radiation Sciences and Technology (CP)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
RES 477	Research Methodology	3-0
RD 310	Magnetic Resonance Imaging-MRI	2-0
RD 310C	Magnetic Resonance Imaging-MRI (CP)	0-1
SR 300	General Surgery	1-0
SR 300C	General Surgery (CP)	0-1
RD 312	Interventional Radiology	1-0
RD 312C	Interventional Radiology (CP)	0-1
RD 314	Radiological & Cross Sectional Anatomy	2-0
RD 314C	Radiological & Cross Sectional Anatomy (CP)	0-1
RD 316	Computer Tomography Procedure & Clinical Practice	2-0
RD 316C	Computer Tomography Procedure & Clinical Practice (CP)	0-1
MD 301	Clinical Medicine-II	1-0
MD 301C	Clinical Medicine-II (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.17
RD 400	Magnetic Resonance Imaging Procedures & Clinical Practice	2-0
RD 400C	Magnetic Resonance Imaging Procedures & Clinical Practice (CP)	0-1
RD 402	Therapeutic Radiology	2-0
RD 402C	Therapeutic Radiology (CP)	0-1
RD 404	Clinical Sonography	2-0
RD 404C	Clinical Sonography (CP)	0-1
RD 406	Angiography and Cardiac Imaging	2-0
RD 406C	Angiography and Cardiac Imaging (CP)	0-1
RD 408	Patient Care & Management	2-0
RD 408C	Patient Care & Management (CP)	0-1
MD 401	Nuclear Medicine	2-0

8th Semester

Course Code	Course Title	Cr. Hrs.12
RD 411	Echocardiography	1-0
RD 411C	Echocardiography (CP)	0-1
RD 413	Electrocardiography-ECG	1-0
RD 413C	Electrocardiography -ECG (CP)	0-1
RD 415	Clinical Pathology & Radiological Presentation	1-0
RD 415C	Clinical Pathology & Radiological Presentation (CP)	0-1
RES 480	Research Project	0-6

Wajeeha Zarin Afridi
Lecturer,
GGDC, Pabbi,
Nowshehra.

SUIT has changed my perspective about how to deal with the challenges of life, in both personal and professional capacities. I wouldn't be as content and successful today if it weren't for my teachers. Despite the fact that it has been 3 years since I graduated from SUIT, my professors are still readily available to assist and direct me with any academic difficulties I encounter. I am blessed to have them in my life.

Bachelor of Science in
Surgical Technology

Program Code	195
Number of Courses	48 + Project
Credit Hours	136
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical, Surgical / OT) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To have in-depth knowledge of Anatomy, Physiology, Biochemistry and Pathology of human body.
- To enable the students to have necessary technical skills to, manage & maintain the OT cleanliness & sterilization of surgical instruments.
- To enable the students to look after the sucker machines etc. They are also trained to prepare surgical trolley according to the due surgical procedure for optimal patient care.
- To inculcate ethical principles and professional standards in students making them useful members of the surgical team.
- To keep abreast with academic research to have new knowledge undergoing in the field.

Program Outcomes :

- Graduates will demonstrate in-depth knowledge of Anatomy, Physiology, Biochemistry and Pathology of human body.
- Graduates will exhibit proficiency to manage & maintain the OT cleanliness & sterilization of surgical instruments and maintenance of the sucker machines etc. They are also able to prepare surgical trolley according to the due surgical procedure.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication and commitment to patient safety and quality care.
- Graduates will be able to work as an effective member of surgical team.
- Graduates will engage in continuous professional development in the field of surgery to improve patient care.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies / Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics-I (Pre Calculus)	3-0
ENG 100	Functional English	3-0
IT 107	Applications of ICT	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ENG 116	Expository Writing	3-0
MA 219	Bio Statistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
HS 112	Medical Biochemistry	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.17
HS 208	Basic Pathology	2-1
NS 201	Fundamentals of Biology	2-1
SR 201	Surgical Instruments/Equipment	2-1
MLT 202	Hematology	2-1
GE 205	Civics & Community Engagement	1-1
HS 201	Pathology of the Systems	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.16
HS 212	Pharmacology	2-1
SR 210	Surgical Setup & Positioning	2-1
SR 212	Diagnostic Imaging	0-1
SR 212C	Diagnostic Imaging (CP)	0-1
SR 202	Medical Surgical Skills	2-1
GE 307	Entrepreneurship	2-0
PSY 300	Behavioral Science	3-0

5th Semester

Course Code	Course Title	Cr. Hrs.17
GS 306	Bio Ethics	3-0
SR 309	Operating Room Environment & Design	2-1
SR 302	Aesthetic Procedure	1-1
SR 303	Surgical Emergency	2-0
SR 303C	Surgical Emergency (CP)	0-1
SR 305	Minor Surgery	2-0
SR 305C	Minor Surgery (CP)	0-1
SR 307	ENT Surgery	2-0
SR 307C	ENT Surgery (CP)	0-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
RES 477	Research Methodology	3-0
AN 303	Anesthesia Equipment	2-1
SR 310	Clinical Operative Thoracic Surgery	2-0
SR 310C	Clinical Operative Thoracic Surgery (CP)	0-1
SR 214	Operating Room Management	2-1
SR 314	Peri-Operative Care	2-0
SR 314C	Peri-Operative Care (CP)	0-1
SR 316	Clinical Operative General Surgery	2-0
SR 316C	Clinical Operative General Surgery (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.17
SR 401	Clinical Operative Gynecology Obstetrics	2-0
SR 401C	Clinical Operative Gynecology Obstetrics (CP)	0-1
SR 403	Diagnostic & Endoscopic Surgery	2-0
SR 403C	Diagnostic & Endoscopic Surgery (CP)	0-1
SR 405	Infection, Prevention & Control	1-0
SR 405C	Infection, Prevention & Control (CP)	0-1
SR 407	Clinical Operative Pediatric Surgery	2-0
SR 407C	Clinical Operative Pediatric Surgery (CP)	0-1
SR 409	Clinical Operative Opthalmic Surgery	2-0
SR 409C	Clinical Operative Opthamlic Surgery (CP)	0-1
SR 411	Quality Assurance & Biosafety	1-0
GE 110	Introduction to Philosophy	2-0

8th Semester

Course Code	Course Title	Cr. Hrs.17
SR 416	Clinical Operative Neuro Surgery	2-0
SR 416C	Clinical Operative Neuro Surgery (CP)	0-1
SR 418	Clinical Operative Urology Surgery	2-0
SR 418C	Clinical Operative Urology Surgery (CP)	0-1
SR 421	Clinical Operative Orthopedic Surgery	2-0
SR 421C	Clinical Operative Orthopedic Surgery (CP)	0-1
SR 423	Operating Room Management	1-0
SR 423C	Operating Room Management (CP)	0-1
RES 480	Research Project	0-6

Bachelor of Science in
Cardiac Perfusion Technology

Program Code	256
Number of Courses	47+Research Project
Credit Hours	138
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

i. Candidates with F.Sc (Pre-Medical) or A-Levels with equivalency certificate from IBCC Islamabad with at least 45% marks are eligible to apply.

ii. Candidates with Diploma in relevant field with at least 45% marks in annual system or 2.00 CGPA on the scale of 4.00 in semester system dully registered by Khyber Pakhtunkhwa Medical Faculty with equivalency certificate from IBCC Islamabad are eligible to apply.

iii. Candidates will have to appear in an entry test to be conducted by any registered Testing Agency or University.

iv. Candidates will appear in an interview to be conducted by the University.

Program Objectives:

- To develop a strong foundational knowledge in human anatomy, physiology, biochemistry, pathology and cardio vascular system specifically related to perfusion technology.
- To equip the students with practical skills in the use of perfusion equipment, including extracorporeal circulation, cardiopulmonary bypass and other advanced perfusion techniques.
- To promote critical thinking and problem-solving abilities through case studies, simulators and clinical rotations in diverse healthcare settings.
- To enhance students' understanding of professional and ethical standards in cardiac perfusion. Emphasizing patient safety, quality assurance and effective communication within the healthcare team.
- To prepare graduates for leadership roles and continuous professional development in the field of cardiac perfusion, including participation in research, education and advocacy.

Merit List Policy:

The merit list will be prepared on the basis of following:
Fsc 70% + Entry Test 30%

Program Outcomes :

- Graduates will demonstrate a comprehensive understanding of cardiovascular anatomy, physiology and pathology relevant to perfusion practice.
- Graduates will exhibit proficiency in operating and troubleshooting perfusion equipment and techniques, ensuring optimal patient care during surgical procedures.
- Graduates will apply evidence-based practices and critical thinking skills to effectively manage perfusion scenarios and respond to clinical challenges.
- Graduates will adhere to the highest ethical standards demonstrating professionalism, effective communication, and a commitment to patient safety and quality care.
- Graduates will be prepared for leadership roles in cardiac perfusion, engaging in continuous learning, research and professional development to advance the field and improved patient outcome.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre-Calculus)	3-0
ENG 100	Functional English	3-0
HS 201	Fundamental of Biology	2-1
HS 101	Human Anatomy-I	2-1
HS 102	Human Physiology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
GH 101/102	Islamic Studies/ Values, Ethics & Society (for Non-Muslims)	2-0
ENG 116	Expository Writing	3-0
MA 219	Biostatistics	3-0
HS 103	Human Anatomy-II	2-1
HS 104	Human Physiology-II	2-1
IT 107	Applications of ICT	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.16
HS 112	Medical Biochemistry	2-1
GE 110	Introduction to Philosophy	2-0
MB 202	Basic Medical Microbiology	2-1
CRD 201	Cardiopulmonary Anatomy	2-1
HS 208	Basic Pathology	2-1
GE 205	Civics & Community Engagement	1-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
HS 212	Pharmacology	2-1
PER 201	Electrocardiography	2-0
PER 201C	Electrocardiography(CP)	0-1
GS 306	Bioethics	3-0
CRD 318	Medical Physics	2-1
GE 307	Entrepreneurship	2-0
MLT 202	Hematology	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.17
CRD 303	Cardiopulmonary Physiology	2-1
PER 301	Perfusion Technology-I	2-1
PER 303	Echocardiography	2-0
PER 303C	Echocardiography (CP)	0-1
PER 305	Perfusion Safety & Quality Assurance	2-0
PER 307	Ventricular Assistant Devices	2-0
PER 307C	Ventricular Assistant Devices (CP)	0-1
PER 309	Principles of Perfusion	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.18
PER 313	Extra Corporeal Membrane Oxygenation (ECMO)	2-0
PER 313C	Extra Corporeal Membrane Oxygenation (ECMO) (CP)	0-1
PER 315	Pharmacology Related to Perfusion	2-1
PER 317	Perfusion Equipments	2-0
PER 317C	Perfusion Equipments (CP)	0-1
CRD 412	Cardiac Surgery	2-0
CRD 412C	Cardiac Surgery (CP)	0-1
CRD 324	Critical Care	2-0
CRD 324C	Critical Care (CP)	0-1
CRD 402	Pulmonary Diseases	2-0
CRD 402C	Pulmonary Diseases (CP)	0-1

7th Semester

Course Code	Course Title	Cr. Hrs.18
PER 401	Perfusion Technology II	2-0
PER 401C	Perfusion Technology II (CP)	0-1
PER 403	Fundamental of Infection Control	2-1
PER 405	Clinical Medicine	2-0
PER 405C	Clinical Medicine(CP)	0-1
CRD 406	Diseases of Heart	2-0
CRD 406C	Diseases of Heart (CP)	0-1
RES 477	Research Methodology	3-0
PH 401	Epidemiology	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.18
PER 407	Perfusion Pathophysiology	3-0
PER 409	Advanced Perfusion Techniques	2-0
PER 409C	Advanced Perfusion Techniques (CP)	0-1
PER 411	Paediatric & Neonatal Perfusion	2-0
PER 411C	Paediatric & Neonatal Perfusion (CP)	0-1
CRD 411	Preventive Cardiology	2-0
CRD 411C	Preventive Cardiology (CP)	0-1
RES 480	Research Project	0-6

Associate Degree in
Biotechnology

Program Code	100
Number of Courses	24
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

F.Sc (Pre-Medical) or A-Levels with Equivalency Certificate from IBCC Islamabad with at least 45% Marks or an equivalent certificate from a recognized institution, are eligible to apply. Candidates will have to pass an entry test and aptitude interview conducted by the University.

Program Objectives:

The two year program is designed in accordance with the guidelines provided by Higher Education Commission, Islamabad, Pakistan in Biotechnology to provide the students an insight to the nucleic acid manipulation, basic cell techniques with their impacts on the human health and environment for overall improvement of socioeconomic status of individuals at local and national level.

Program Outcomes :

After getting AD in Biotechnology, the students will be able to understand various aspects of biotechnology and their utilization for the welfare of human society. They will have capability to use biotechnological techniques in diagnostic and research activities and solution of biotechnological problems.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.18
ENG 100	Functional English	3-0
GS 123/240	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics – I (Pre-Calculus)	3-0
GE 110	Introduction to Philosophy	2-0
MB 100	General Microbiology–I	2-1
NS 201	Fundamentals of Biology	2-1
GE 205	Civics & Community Engagement	1-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.17
ENG 116	Expository Writing	3-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 110	Mathematics – II (Calculus)	3-0
CH 110	Biochemistry - I	2-1
IT 107	Applications of ICT	2-1
BT 202	Fundamental of Biotechnology	2-1

3rd Semester

Course Code	Course Title	Cr. Hrs.17
CH 102	Biochemistry-II	2-1
BT 325	Immunology	2-1
GE 307	Entrepreneurship	2-0
MB 101	Microbial Biotechnology	3-0
BT 204	Genetics	2-1
BIO 201	Radio Biology	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.17
CH 214	Organic Chemistry	2-1
BT 232	Ecosystem	2-1
BT 315	Animal Biotechnology	2-1
CH 316	Physical Chemistry	2-1
BIO 224	Biosafety & Bioethics	2-0
BIO 311	Molecular Biology	2-1

Bachelor of Science in
Biotechnology

Program Code	082
Number of Courses	48 + Research
Credit Hours	142
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

1. **4 Years:** F.Sc (Pre-Medical) or A-Levels with Equivalency Certificate from IBCC Islamabad with at least 45% Marks or equivalent certificate from a recognized institution are eligible to apply.
2. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the 5th semester of their degree program. The scheme from 5th till 8th Semester will be followed.
3. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks in annual system or Associate Degree in other than relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the Bridge semester of their Degree program. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- To ensure students understanding the principles and methodologies of biotechnology, including genetic engineering, molecular biology, and bioinformatics.
- To equip students with practical laboratory skills and hands-on experience with modern biotechnological tools and techniques.
- To encourage students to engage in research projects, fostering innovation and the ability to conduct independent scientific investigations.
- To develop an understanding of the ethical, legal, and social implications of biotechnological advancements.
- To prepare students for careers in biotechnology, pharmaceuticals, healthcare, agriculture, and environmental sectors.

Program Outcomes :

- Graduates will be able to demonstrate and explain the molecular mechanisms underlying different biotechnological processes and applications.
- Graduates will be competent to perform standard biotechnological laboratory techniques, including DNA/RNA extraction, PCR, gel electrophoresis, cloning, and sequencing.
- Graduates will have depth of knowledge of designing and conducting experiments, analyze the data, and interpret results in biotechnological research.
- Graduates will emphasize the ethical, legal and social issues related to biotechnology, genetic modification, cloning, and bioethics.
- Graduates will exhibit professionalism, teamwork, and effective communication skills in a collaborative environment.

Scheme of Studies:

Bridge Semester (For 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs.15
BT 202	Fundamentals of Biotechnology	2-1
BT 315	Animal Biotechnology	2-1
BT 325	Immunology	2-1
BIO 102	Cell Biology	2-1
BIO 311	Molecular Biology	2-1

1st Semester

Course Code	Course Title	Cr. Hrs.18
ENG 100	Functional English	3-0
GS 123/240	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics – I (Pre-Calculus)	3-0
HS 112	Medical Biochemistry	2-1
MB 100	General Microbiology–I	2-1
BIO 102	Cell Biology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
ENG 116	Expository Writing	3-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 110	Mathematics – II (Calculus)	3-0
GE 110	Introduction to Philosophy	2-0
IT 107	Applications of ICT	2-1
BT 202	Fundamental of Biotechnology	2-1
GE 205	Civics & Community Engagement	1-1

3rd Semester

Course Code	Course Title	Cr. Hrs.17
NS 201	Fundamentals of Biology	2-1
BT 325	Immunology	2-1
CH 214	Organic Chemistry-I	2-1
MB 101	Microbial Biotechnology	3-0
BT 204	Genetics	2-1
GE 307	Entrepreneurship	2-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
CH 223	Organic Chemistry-II	2-1
BT 232	Ecosystem	2-1
BT 315	Animal Biotechnology	2-1
CH 316	Physical Chemistry	2-1
BIO 224	Biosafety & Bioethics	2-0
BIO 311	Molecular Biology	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.18
MA 303	Statistical Methods	3-0
BT 331	Plant Physiology	2-1
BIO 322	Molecular Biology-II	2-1
BT 317	Principles of Biochemical Engineering	2-1
BT 332	Analytical Chemistry & Instrumentation	2-1
GS 333	Environmental Policy	3-0

6th Semester

Course Code	Course Title	Cr. Hrs.18
BT 334	Genetic Resources & Conservation	2-1
BT 324	Cell & Tissue Culture	2-1
BT 322	Plant Biotechnology	2-1
BT 408	Food Biotechnology	2-1
RES 380	Research Methodology	3-0
CS 338	Bioinformatics	2-1

7th Semester

Course Code	Course Title	Cr. Hrs.18
BT 410	Health Biotechnology	2-1
BT 302	Recombinant DNA Technology	2-1
BT 418	Proteomics and Genomics	2-1
BT 355	Environmental Biotechnology	2-1
BT 414	Oncology	2-1
RES 491	Research Project (Phase I)	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.18
BT 427	Nanobiotechnology	2-1
BT 330	Industrial Biotechnology	2-1
BT 421	Medical Genetics	2-1
BT 429	Pharmaceutical Biotechnology	2-1
BIO 201	Radio Biology	2-1
RES 492	Research Project (Phase II)	0-3

Associate Degree in
Microbiology

Program Code	159
Number of Courses	24
Credit Hours	68

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

F.Sc (Pre-Medical) or A-Levels with Equivalency Certificate from IBCC Islamabad with at least 45% Marks or an equivalent certificate from a recognized institution, are eligible to apply. Candidates will have to pass an entry test and aptitude interview conducted by the University.

Program Objectives:

The Two year microbiology program is designed in accordance with the guidelines provided by Higher Education Commission, Islamabad, Pakistan to impart the students an insight into the microbial world, their diversity, manipulation and importance in health, agriculture, environment quality for the overall uplift of socio-economic status of community at local and national level.

Program Outcomes :

After successful completion of the Associate Degree the students will have theoretical and practical concepts in basic and applied microbiology. They will be able to identify, isolate, manipulate and culture microbes in the laboratory. The students will gain experience in microbial techniques to be used in analyzing the health and other problems due to microbes.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs.17
ENG 100	Functional English	3-0
GS 123/240	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics – I (Pre-Calculus)	3-0
HS 112	Medical Biochemistry	2-1
MB 100	General Microbiology-I	2-1
BIO 102	Cell Biology	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
ENG 116	Expository Writing	3-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 110	Mathematics – II (Calculus)	3-0
GE 110	Introduction to Philosophy	2-0
IT 107	Applications of ICT	2-1
MB 101	Microbial Biotechnology	2-1
GE 205	Civics & Community Engagement	1-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
NS 201	Fundamentals of Biology	2-1
MB 215	Gen. Immunology	2-1
MB 212	Gen. Microbiology – II	2-1
MB 222	Mycology	2-1
MB 213	Bacterial Genetics	2-1
MB 220	Human Physiology-I	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.16
MB 204	Bio-Safety and Risk Management	2-0
BT 336	Immunobiology	2-1
GE 307	Entrepreneurship	2-0
MB 223	General Microbiology – III	2-1
MB 221	Human Physiology – II	2-1
MB 207	Clinical Bacteriology	2-1

Bachelor of Science in
Microbiology

Program Code	019
Number of Courses	45 + Research Project
Credit Hours	141
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

1. **4 Years:** F.Sc (Pre-Medical) or A-Levels with Equivalency Certificate from IBCC Islamabad with at least 45% Marks or equivalent certificate from a recognized institution are eligible to apply.
2. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the 5th semester of their degree program. The scheme from 5th till 8th Semester will be followed.
3. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks in annual system or Associate Degree in other than relevant discipline with at least 2.00 CGPA on the scale of 4.00 from any recognized university/ institution will join from the Bridge semester of their Degree program. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- To ensure students gain a comprehensive understanding of microbial systems, including physiology, genetics, ecology, and pathogenesis.
- To equip students with advanced technical skills in microbiology laboratory techniques, including the use of modern tools and methodologies.
- To encourage students to engage in research projects, fostering innovation and the ability to conduct independent scientific investigations.
- To instill a strong sense of ethical responsibility and an understanding of the social implications of microbiological research and practice.
- To prepare students for diverse career paths in microbiology, including roles in healthcare, biotechnology, environmental science, and public health.

Program Outcomes :

- Graduates will be able to demonstrate a thorough understanding of microbial physiology, genetics, ecology, and pathogenesis, and how these principles apply to real-world scenarios.
- Graduates will efficiently apply advanced microbiological techniques, such as CRISPR, metagenomics, and bioinformatics, to conduct experiments and analyze data accurately.
- Graduates will be competent to design and conduct experiments, analyze data, and interpret results in microbiology research.
- Graduates will have the depth of Knowledge to recognize and address ethical issues in microbiology research and practice, demonstrating an awareness of the social implications and global impact of microbiological work.
- Graduates will demonstrate the knowledge, technical skills, and professional competencies necessary for successful careers in microbiology and related fields, including effective communication and teamwork abilities.

Scheme of Studies:

Bridge Semester (For 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs.15
MB 100	General Microbiology	2-1
MA 100	Mathematics-I (Pre Calculus)	3-0
MB 213	Bacterial Genetics	2-1
MB 215	General Immunology	2-1
BIO 102	Cell Biology	2-1

1st Semester

Course Code	Course Title	Cr. Hrs.17
ENG 100	Functional English	3-0
GS 123/240	Islamic Studies/Values, Ethics & Society (For Non Muslims)	2-0
MA 100	Mathematics – I (Pre-Calculus)	3-0
HS 112	Medical Biochemistry	2-1
MB 100	General Microbiology-I	2-1
BIO 102	Cell Biology-I	2-1
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs.18
ENG 116	Expository Writing	3-0
GE 109	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 110	Mathematics – II (Calculus)	3-0
GE 110	Introduction to Philosophy	2-0
IT 107	Applications of ICT	2-1
MB 101	Microbial Biotechnology	2-1
GE 205	Civics & Community Engagement	1-1

3rd Semester

Course Code	Course Title	Cr. Hrs.18
NS 201	Fundamentals of Biology	2-1
MB 215	Gen. Immunology	2-1
MB 212	Gen. Microbiology – II	2-1
MB 222	Mycology	2-1
MB 213	Bacterial Genetics	2-1
MB 220	Human Physiology-I	2-1

4th Semester

Course Code	Course Title	Cr. Hrs.16
MB 204	Bio-Safety and Risk Management	2-0
GE 307	Entrepreneurship	2-0
BIO 212	Cell Biology-II	2-1
MB 223	General Microbiology – III	2-1
MB 221	Human Physiology – II	2-1
MB 207	Clinical Bacteriology	2-1

5th Semester

Course Code	Course Title	Cr. Hrs.18
MA 219	Biostatistics	3-0
MB 342	Soil Microbiology	2-1
MB 340	Microbial Taxonomy	2-1
MB 334	Food Microbiology	2-1
MB 338	Microbial Anatomy & Physiology	2-1
MB 430	Medical Microbiology	2-1

6th Semester

Course Code	Course Title	Cr. Hrs.18
MB 344	Fresh Water Microbiology	2-1
MB 343	Environmental Current Issues	3-0
BT 335	Environmental Biotechnology	2-1
MB 230	General Virology	3-0
RES 380	Research Methodology	3-0
CS 338	Bioinformatics	2-1

7th Semester

Course Code	Course Title	Cr. Hrs.18
MB 438	Molecular Mechanisms of Antimicrobial Drugs	2-1
MB 332	Epidemiology	2-1
MB 426	Techniques in Microbiology	2-1
MB 434	Molecular Immunology	2-1
MB 422	DNA Damage, Repair And Carcinogenesis	2-1
RES 491	Research Project (Phase I)	0-3

8th Semester

Course Code	Course Title	Cr. Hrs.18
MB 440	Diagnostic Virology	2-1
MB 442	Environmental Microbiology& Public Health	2-1
MB 450	Microbial Enzyme Technology	2-1
MB 446	Genetic Engineering	2-1
BT 336	Immunobiology	2-1
RES 492	Research Project (Phase II)	0-3

DEPARTMENTS

- Computer Science & IT
- Mathematics

FACULTY OF SCIENCES, COMPUTER SCIENCE & IT

Faculty of Sciences, Computer Science & IT

In the scientific fields of this century, revolutionary interdisciplinary research and teaching activities necessitate a visionary role of educational institutions. The faculty has been established to meet this pressing need. We are building upon the scientific tradition in new ways to enhance the educational experience of our students while developing links with business and industry. Efforts have been made to transform the scientific understanding into ways of enriching human experience in the modern world. In the classrooms, our teachers prepare students for leadership roles in scientific fields by providing them sound foundations. We hope that more and more aspiring students would involve themselves in our exciting and important endeavors to change the world for the better through application of the acquired knowledge.

Department of Computer Science & IT

Vision

To be a leading department in the field of Computer Science and Information Technology, recognized for its commitment to academic excellence, innovation, and research, producing graduates and scholars who drive technological advancements and address global challenges.

Mission

Our mission is to provide quality education and cutting-edge research opportunities in Computer Science and Information Technology, preparing students for successful careers and leadership roles in diverse fields. We are dedicated to fostering creativity, critical thinking, and ethical practices, while contributing to the advancement of knowledge and the development of solutions that address societal needs. Through collaboration, interdisciplinary approaches, and partnerships with industry and academia, we strive to make significant contributions to the field and to society at large.

Programs Offered:

Bachelor of Science in Computer Science
Bachelor of Science in Software Engineering
Bachelor of Science in Electronics
Bachelor of Science in Telecommunication
Bachelor of Science in Artificial Intelligence
Bachelor of Science in Data Science
Bachelor of Science in Cyber Security
Bachelor of Science in Computer Engineering Technology

Faculty Members, Department of Computer Science & IT

Prof. Dr. Saeed Mahfooz	Dean, Faculty of Sciences, Computer Science & IT	Ph.D Distributive Systems, Liverpool John Moores University, UK
Prof. Dr. Jahangir Khan	Head of Department	Ph.D Agriculture Information Technology, China Agricultural University, China
Dr. Shahid Latif	Associate Professor	Ph.D Computer Science, University of Peshawar
Dr. Haroon Ur Raheed	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Dr. Muhammad Asif Khan	Assistant Professor	Ph.D Computer Science, FAST-NUCES, Islamabad
Dr. Saadat Khan	Assistant Professor	Ph.D Physics, Gomal University, DI Khan
Dr. Muhammad Ismail Mohmand	Assistant Professor	Ph.D Engineering (Software Engineering), Lincoln University College, Malaysia
Dr. Asad Ali	Assistant Professor	Ph.D Computer Science and Information Technology, University of Salerno, Italy
Dr. Muhammad Sohail	Assistant Professor	Ph.D Computer Science, KUST, Kohat
Mr. Abu Bakar Nauman	Assistant Professor	MSc Computer Science, Bahauddin Zakariya University, Multan
Ms. Zanobia Nisar	Assistant Professor	MS Computer Science, Islamia College University, Peshawar
Mr. Maddad Khan	Assistant Professor	MS Business Information Technology, Southampton SOLENT University, UK
Engr. Mudassir Aman	Coordinator	MS Electrical Engg. (Communication & Electronics Engg., UET Peshawar
Mr. Muhammad Jebran Khan	Assistant Professor	MS Mathematics, Bacha Khan University, Charsadda
Engr. Aiman Rashid	Assistant Professor	MSc Computer System Engineering, UET, Peshawar
Mr. Asad Malook	Assistant Professor	MS Computer Science (Telecom), University of Peshawar
Mr. Adam Khan	Assistant Professor	MS Computer Science, Abasyn University, Peshawar
Mr. Kamran Khan Tatari	Assistant Professor	MS Software Engineering, Sweden
Engr. Aamir Shahzad	Lecturer	MS Software Engineering, University of Bradford, UK

Faculty Members, Department of Computer Science & IT

Mr. Raheem Ullah	Lecturer	MS Software Engineering, Abasyn University Peshawar
Engr. Altamash Khan Afridi	Lecturer	MSc Computer Systems Engineering, UET, Peshawar
Mr. Syed Rohan Ali Shah	Lecturer	MS Information Technology (Computer Networks), IM Sciences, Peshawar
Engr. Zia Ullah	Lecturer	MS Software Engineering, COMSATS University, Islamabad
Mr. Mudassir Shah	Lecturer	MS Computer Science, University of Peshawar
Engr. Muhammad Yasir	Asst. Coordinator	MS Computer Software Engineering, UET, Peshawar
Mr. Ishtiaq Ali	Lecturer	MS Software Engineering, COMSATS University, Islamabad
Mr. Asim Ali	Lecturer	MS Computer Science (Software Engineering), CECOS University Peshawar
Mr. Muhammad Danish Ali	Junior Lecturer	BS Computer Science, Agriculture University, Peshawar
Mr. Niamat Ullah	Junior Lecturer	MSc Computer Science, University of Peshawar
Engr. Ayub Ashraf	Junior Lecturer	BS Computer Systems Engineering, UET, Peshawar
Mr. Nasir Khan	Junior Lecturer	BS Computer Science, Agriculture University, Peshawar
Mr. Muhammad Asfandyar	Junior Lecturer	MS Software Engineering, Abasyn University, Peshawar
Mr. Muhmmad Fawad	Junior Lecturer	BS Software Engineering, Abasyn University Peshawar
Mr. Habib Ullah	Junior Lecturer	BS Computer Science, IM Sciences Peshawar

Bachelor of Science in
Computer Science

Program Code	001
Number of Courses	42 Theory + 17 Lab + FYP
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: Graduates will possess a strong academic foundation and analytical skills to solve complex computing problems, leveraging comprehensive computer science knowledge.

PEO 2 Professional Growth: Graduates will excel in designing and developing innovative computing solutions using modern tools and technologies, while effectively working both independently and as part of diverse teams.

PEO 3 Societal Responsibility: Graduates will demonstrate effective communication skills, uphold ethical standards and professionalism, contribute positively to society, and engage in life-long learning to adapt to evolving technological advancements.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make and understand clear instructions. Effective presentations, and give

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/ Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0

*Mandatory course for Pre-Medical background, Non Credit

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	Mathematics II*	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems (CS Core)	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems (CS Core)	3-0
IT 212L	Database Systems Lab	0-1
	Elective I (Domain Elective)	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
	Elective II (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 340	Theory of Automata	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
CS 437T	HCI & Computer Graphics	2-0
CS 437L	HCI & Computer Graphics Lab	0-1
	Elective III (Domain Elective)	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 345	Compiler Concepts (Pre Req: CS 340)	3-0
CS 252	Computer Architecture	3-0
CS 300T	Advanced Database Management System	2-0
CS 300L	Advanced Database Management System Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232 L	0-1
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 425T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 425L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
	Elective V (Domain Elective)	3-0
SE 668	Software Project Management (UE)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Specialization with List of Electives

Software Engineering

Course Code	Course Title	Cr. Hrs.
SE 452	Object Oriented Software Engineering	3-0
SE 450	Software Metrices & Testing	3-0
SE 370	Applied Software Engineering	2-1
IT 240	User Interface Designing	2-1
SE 468	Software Project Management	2-1
SE 470	Agile Software Development	3-0
IT 477	DevOps Tools	2-1

Data Science

Course Code	Course Title	Cr. Hrs.
CS 321	Introduction to Data Science	2-1
CS 306	Data Mining	2-1
CS 308	Data Warehousing & Business Intel.3	2-1
CS 307	Data Visualization	2-1
CS 303	Big Data Analytics	2-1
IT 335	Database Programming	2-1
IT 465	Distributed Database	2-1

Cyber Security

Course Code	Course Title	Cr. Hrs
CS 206	Introduction to Cyber Security	2-1
CS 322	Network Security	2-1
CS 439	Penetration Testing	2-1
CS 431	Cyber Law & Cyber Crime (Cyber Warfare)	3-0
CS 329	Wireless and Mobile Security	2-1
CS 318	Malware Analysis	2-1
COM 204	Data Communication	3-0

Computer Science Electives

Course Code	Course Title	Cr. Hrs.
IT 302	Advanced Networking	2-1
IT 421	Web Design & Development	2-1
CS 417	Programming For AI in Python	2-1
CS 411	Embedded Systems	3-0
CS 236	Programming in Java	2-1
IE 332	Modeling & Simulation	2-1
IT 333	Information System development	2-1

Web & Application Development

Course Code	Course Title	Cr. Hrs.
CS 334	Multimedia Design & Development	3-0
CS 406	Web Engineering	3-0
IT 275	Web Programming	2-1
CS 236	Programming in JAVA	2-1
CS 455	Mobile Application Development	2-1
CS 333	Visual Programming	2-1
CS 450	Server-Side Scripting	2-1

Artificial Intelligence

Course Code	Course Title	Cr. Hrs.
CS 208	Programming For AI	2-1
CS 301	Artificial Neural Networks	2-1
CS 404	Machine Learning	2-1
CS 305	Computer Vision	2-1
CS 414	Robotics & IoT	2-1
CS 409	Deep Learning	2-1
CS 421	Natural Language Processing	3-0

Bachelor of Science in
Software Engineering

Program Code	002
Number of Courses	42 Theory + 19 Lab + FYP
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: Graduates will possess a comprehensive academic education coupled with in-depth knowledge for solving computing problems and proficient problem analysis skills.

PEO 2 Professional Growth: Graduates will proficiently design and develop software solutions by leveraging modern tools and technologies, demonstrating both individual expertise and collaborative teamwork

PEO 3 Societal Responsibility: Graduates will effectively communicate, demonstrate a commitment to computing professionalism by considering societal implications in software design and development, uphold ethical standards in all aspects of their work, , and actively pursue continuous learning opportunities to adapt to evolving technologies.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make and understand clear instructions. Effective presentations, and give

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
MA 213	Discrete Maths	3-0
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies / Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
SE 201	Software Engineering	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 222T	Software Construction	2-0
SE 222L	Software Construction Lab	0-1
	Elective I (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
SE 313T	Software Requirement Specification	2-0
SE 313L	Software Requirement Specification Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
IT 350	E-Commerce	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
SE 414	Software Design & Architecture	3-0
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232L	0-1
SE 323T	Software Quality Engineering	2-0
SE 323L	Software Quality Engineering Lab	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
	Elective VI (Domain Elective)	3-0
SE 468T	Software Project Management	2-0
SE 468L	Software Project Management Lab	0-1
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Full Stack Developer

Course Code	Course Title	Cr. Hrs.
IT 240	User Interface Designing	2-1
CS 450	Server-Side Scripting	2-1
IT 477	DevOps Tools	2-1
CS 406	Web Engineering	2-1
IT 275	Web Programming	2-1
CS 333	Visual Programming	2-1
CS 455	Mobile Application Development	2-1
CS 334	Multimedia Design & Development	2-1
CS 421	Semantic Web	2-1
CS 403	Systems Programming	2-1

Systems Engineering

Course Code	Course Title	Cr. Hrs.
SE 312	Formal Methods in SE	3-0
SE 470	Agile Software Development	3-0
SE 450	Software Metrics & Testing	3-0
SE 412	Design Patterns	3-0
SE 472	Automated Software Testing	2-1
SE 512	Software Re Engineering	3-0
SE 370	Applied Software Engineering	2-1
CS 304	Business Process Analysis	3-0
IE 332	Modeling & Simulation	2-1
SE 452	Object Oriented Software Engineering	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in
Electronics

Program Code	008
Number of Courses	41 Theory + 18 Lab-based + FYP
Credit Hours	136

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 45% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

The BS Electronics program has been designed to equip our graduates with the necessary tools, teaching techniques and knowledge of the field. These graduates can prove their worth in industrial concerns, businesses, teaching or research. Owing to their knowledge and expertise, they can help the local industry in reaping the benefits of industrial automation in the real sense.

Program Outcomes

- An ability to select and apply the knowledge, techniques, skills and modern tools of the discipline to broadly-defined engineering technology activities.
- An ability to function effectively as a member or leader on a technical team.
- An ability to identify, analyze and solve broadly-defined engineering technology problems.
- An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
- An understanding of the need for and an ability to engage in self-directed continuing professional development.
- An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
- An ability to use current techniques, skills and tools necessary for computing practice, including the ability of expressing algorithms in at least two of the most important computer languages.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 105	Multivariable Calculus	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
EE 111T	Linear Circuit Analysis	3-0
EE 111L	Linear Circuit Analysis Lab	0-1
COM 323T	Micro Processor Architecture & AL	2-0
COM 323L	Micro Processor Architecture & AL Lab	0-1
ELC 229	Solid State Electronics	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 313	Probability & Statistics	3-0
EE 217T	Circuit Analysis	3-0
EE 217L	Circuit Analysis Lab	0-1
EE 367	Electronic Communication	3-0
ELC 216T	Electronics I	3-0
ELC 216L	Electronics I Lab	0-1

5th Semester

Course Code	Course Title	Cr. Hrs. 18
ELL 320	Electronic Circuit Design	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
EE 338T	Microprocessor Interfacing Technolies	3-0
EE 338L	Microprocessor Interfacing Technolies Lab	0-1
EE 315	Electromagnetic Field Theory	3-0
ELC 370	Integrated Circuits	3-0
RES 351	Field Experience	0-2

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
ELC 221T	Instrumentation and Measurements	3-0
ELC 221L	Instrumentation and Measurements Lab	0-1
ELC 330T	Power Electronics	3-0
ELC 330L	Power Electronics Lab	0-1
COM 232T	Signals & Systems	2-0
COM 232L	Signals & Systems Lab	0-1
ELC 321T	Control Systems	3-0
ELC 321L	Control Systems Lab	0-1

7th Semester

Course Code	Course Title	Cr. Hrs. 16
ELC 475	VLSI Design	3-1
ENG 440	Technical & Research Report Writing	3-0
MG 106	Principles of Management	3-0
RES 491	Project Phase I	0-3
EE 411T	Digital Signal Processing	3-0
EE 411L	Digital Signal Processing Lab	0-1

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
ELC 450	Microwave Electronics	3-0
COM 408	Fiber Optic Communications	3-0
RES 492	Project Phase II	0-3

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in
Telecommunication

Program Code	003
Number of Courses	42 Theory + 14 Lab-based + FYP
Credit Hours	138

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 45% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

The BS Telecommunication program is designed to provide students with the skills and knowledge needed to meet the requirements of a rapidly advancing and challenging field that is in great demand in Pakistan and abroad. Emphasis is placed on providing students with the broadband telecommunications background skills required to adapt to the dynamic field of telecommunications. A number of mathematics courses have been included to give the direly needed strength to our graduates in modeling the real world problems. The syllabus is designed so as to keep our students abreast with the latest technologies. The program also aims at providing students with a firm base for undertaking higher studies in Telecommunication Systems.

Program Outcomes

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to function on multi-disciplinary teams.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- An ability to design and conduct scientific and engineering experiments, as well as to analyze and interpret data.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
EE 111T	Linear Circuit Analysis	3-0
EE 111L	Linear Circuit Analysis Lab	0-1
ELC 216T	Electronics I	3-0
ELC 216L	Electronics I Lab	0-1
COM 301	Intro to Telecom	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 16
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
EE 217T	Circuit Analysis	3-0
EE 217L	Circuit Analysis Lab	0-1
EE 367	Electronic Communication	3-0
COM 337	Digital Communication	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
COM 422	Telecom Switching	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
EE 338T	Microprocessor Interfacing Technolies	3-0
EE 338L	Microprocessor Interfacing Technolies Lab	0-1
EE 315	Electromagnetic Field Theory	3-0
IT 340	Network Management	3-0
RES 351	Field Experience	0-2

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
COM 311	Antenna & Wave Propagation	3-0
COM 340	Telecom Standards	3-0
COM 232T	Signals & Systems	2-0
COM 232L	Signals & Systems Lab	0-1
	Elective I (Domain Elective)	3-0
	Elective II (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 18
ENG 440	Technical & Research Report Writing	3-0
MG 106	Principles of Management	3-0
RES 491	Project Phase I	0-3
COM 313	Mobile Communication I	3-0
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
COM 350	Mobile Communication II	3-0
COM 408	Fiber Optic Communications	3-0
RES 492	Project Phase II	0-3

Electives

University Electives

Course Code	Course Title	Cr. Hrs.
COM 408	Optical & Wireless System	3-0
COM 440	Telecom Traffic Engineering	3-0
COM 375	Next Generation Networks	2-1
COM 422	Routing & Switching	3-0
COM 462	Advance Signaling Systems	2-1
EE 455	Microwave & Satellite System	3-0

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in
Artificial Intelligence

Program Code	227
Number of Courses	42 Theory + 21 Lab + FYP
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Academic Foundation: To equip graduates with a solid academic foundation for effectively addressing computing challenges and proficient problem analysis.

PEO 2 Professional Growth: To empower graduates with expertise in designing and developing solutions, adept utilization of modern tools, and proficient both individually and in teams.

PEO 3 Societal Responsibility: Demonstrate professionalism and effective communication while upholding ethical and societal standards, and to foster a commitment to continuous learning throughout their professional journey.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make and understand clear instructions. Effective presentations, and give

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
CS 208T	Programming For AI	2-0
CS 208L	Programming For AI Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
	Elective I (Domain Elective)	3-0
MGT 107	Principles of Management	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 336T	Knowledge Representation & Reasoning	2-0
CS 336L	Knowledge Representation & Reasoning Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 305T	Computer Vision	2-0
CS 305L	Computer Vision Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232L	0-1
CS 404T	Machine Learning	2-0
CS 404L	Machine Learning Lab	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
CS 302T	Artificial Neural Networks & Deep Learning	2-0
CS 302L	Artificial Neural Networks & Deep Learning Lab	0-1
	Elective V (Domain Elective)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Artificial Intelligence

Course Code	Course Title	Cr. Hrs.
COM 406	Digital Image Processing	2-1
CS 426	Fuzzy Systems	2-1
CS 432	Reinforcement Learning	2-1
CS 409	Deep Learning	2-1
CS 435	Swarm Intelligence	2-1
CS 425	Agent Based Modeling	2-1
CS 427	Knowledge Based Systems	2-1
CS 460	AI for Games	2-1
CS 461	Virtual Reality	2-1
CS 462	Prompt Engineering	2-1
CS 414T	Robotics & IoT	2-1
CS 421	Natural Language Processing	3-0

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for it.

Bachelor of Science in
Data Science

Program Code	228
Number of Courses	42 Theory + 19 Lab + FYP
Credit Hours	135
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: To produce graduates with a deep understanding of both the theory and practice of data science, empowering them to effectively solve and analyze complex problems in the field.

PEO 2 Professional Growth: To ensure proficiency in designing and developing solutions to diverse problems, utilizing the latest tools and technologies, while demonstrating expertise both individually and as effective team members.

PEO 3 Societal Responsibility: To produce graduates who exhibit effective communication, uphold professional and ethical standards, and possess the capability for independent learning throughout their personal and professional endeavors.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make and understand clear instructions. Effective presentations, and give

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
MA 213	Discrete Maths	3-0
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
GS 108T	Applied Physics	2-0
GS108L	Applied Physics Lab	0-1
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
CS 321T	Introduction to Data Science	2-0
CS 321L	Introduction to Data Science Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
MA 314	Advanced Statistics	3-0
	Elective I (Domain Elective)	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 16
CS 307T	Data Visualization	2-0
CS307L	Data Visualization Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	2-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MGT 107	Principles of Management	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 306T	Data Mining	2-0
CS 306L	Data Mining Lab	0-1
CS 308T	Data Warehousing & Business Intel.	2-0
CS 308L	Data Warehousing & Business Intel. Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232L	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
	Elective V (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Data Science

Course Code	Course Title	Cr. Hrs.
CS 303T	Big Data Analytics	2-1
IE 332	Modeling & Simulation	2-1
CS 304T	Business Process Analysis	2-1
CS 428T	Platforms & Architectures for Data Science	2-1
CS 341	Cloud Computing Fundamentals	2-1
CS 429T	Topics in Data Science	2-1
CS 421	Semantic Web	3-0
CS 413	Enterprise System	3-0
IT 465T	Distributed Database	2-1
IT 335T	Database Programming	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in
Cyber Security

Program Code	229
Number of Courses	42 Theory+19 Lab+Project
Credit Hours	135
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: Graduates will demonstrate advanced expertise in Cyber Security, possessing in-depth knowledge of cyber security principles, technologies, and best practices.

PEO 2 Professional Growth: Graduates will exhibit proficiency in practical skills related to threat detection, incident response, and secure systems development.

PEO 3 Societal Responsibility: Graduates will embody ethical principles and values essential for responsible cyber security practice and global cyber security initiatives.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

GA-3 Problem Analysis: Identify and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

GA-4 Design/Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs.

GA-5 Modern Tool Usage: Create, select, or adapt and then apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

GA-7 Communication: Communicate effectively with the computing community about complex computing activities by being able to comprehend and write effective reports, design documentation, make and understand clear instructions. Effective presentations, and give

GA-8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice

GA-9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

GA-10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
	Elective I (Domain Elective)	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 316	Information Assurance	3-0
CS 206T	Introduction to Cyber Security	2-0
CS 206L	Introduction to Cyber Security	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MGT 107	Principles of Management	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 314T	Digital Forensics	3-0
CS 314L	Digital Forensics Lab	
CS322T	Network Security	2-0
CS322L	Network Security Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232L	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
CS 326T	Secure Software Design & Development	2-0
CS 326L	Secure Software Design & Development Lab	0-1
	Elective V (Domain Elective)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Cyber Security

Course Code	Course Title	Cr. Hrs.
CS 439T	Penetration Testing	2-1
CS 431T	Cyber Law & Cyber Crime (Cyber Warfare)	2-1
COM 204	Data Communication	3-0
CS 424	Database Security	3-0
CS 415	Open Source Operating System	3-0
CS 411T	Embedded Systems	2-1
IT 302T	Advanced Netwroking	2-1
COM 375	Next Generation Networks	3-0
COM 422T	Routing & Switching	2-1
CS 430T	Advanced Digital Logic Design	2-1
CS436T	Computer Architecture	2-1
CS 329T	Wireless and Mobile Security	2-1
CS 318T	Malware Analysis	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in
Computer Engineering Technology

Program Code	180
Number of Courses	33 + Research Project
Credit Hours	134

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/Computer Science/DAE in relevant Field) with at least 50% Marks or any equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test and an aptitude interview conducted by the University.

Program Educational Objectives:

PEO-1: Engage in applications oriented work and management of computer systems, including software, hardware, computer networking and network management.

PEO-2: Use appropriate theory, mathematics and computational technology to analyze and solve problems encountered in the applications of computer systems.

PEO-3: Communicate, using oral, written and computer based communication technology, as well as function effectively as an individual and a team member in processional environment.

PEO-4: Pursue lifelong learning and continuous improvement of their knowledge and skills in the design, development, and application of computer systems in diverse industries with the highest professional and ethical standards.

PEO-5: Understand the local, national and global issues related to the development and applications of computer systems and to be considerate of the impact of this issue on different cultures.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
CET 100	Introduction to Computing Technology	0-1
CET 102	Programming Fundamentals	2-1
ENG 111	Communication Skills	3-0
GH 101	Islamic Studies	2-0
GS 101	Applied Physics	2-1
MA 101	Calculus and Analytic Geometry	3-0
MGT 106	Principles of Management	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
CET 103	Discrete Maths	3-0
CET 107	Digital Logic Design	2-1
CET 105	Circuit Analysis	2-1
CET 109	Engineering Drawing in AUTOCAD	0-1
CET 111	Object Oriented Programming	2-1
ENG 220	Effective Communication Skills	3-0
MA 203	Probability and Statistics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
CET 211	Computer Architecture	2-1
CET 213	Data Communication & Networks	2-1
CET 215	Database Systems	2-1
CET 217	Data Structures & Algorithms	2-1
CET 219	Electronics Devices & Circuits	2-1
MA 242	Differential Equations	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CET 220	Assembly Language Programming	2-1
CET 222	Digital System Design	2-1
CET 224	Operating System	2-1
CET 226	System Programming	2-1
MA 235	Linear Algebra	3-0
MKT 225	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
CET 310	Microprocessors Interfacing Technologies	2-1
CET 311	Signals & Systems	2-1
CET 314	Embedded Systems	2-1
CET 316	Mobile App Development	2-1
CET 318	Network Security & Cryptography	2-1
CET 320	Real-time Operating Systems	2-1

6th Semester

Course Code	Course Title	Cr. Hrs. 17
CET 322	Digital Signal Processing	2-1
CET 324	Software Engineering	2-1
CET 390	Technology Project	0-6
GH 103	Pakistan Studies	2-0
ENG 322	Technical Report Writing	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 16
CET 401	Supervised Industrial Training-I	0-16

8th Semester

Course Code	Course Title	Cr. Hrs. 16
CET 401	Supervised Industrial Training-I	0-16

Program Learning Outcomes (PLO's)

PLO-01: Technology Knowledge: To Apply knowledge of computer technology and the implementation of the technology to solve the technical problems and to find solution of complex technical scenarios.

PLO-02: Problem Analysis: To identify, analyze and understand the technical problems and to formulate appropriate solutions for them.

PLO-03: Implementation of Design of Solution: To Develop the ability of implementing the formulated solution for technical problems.

PLO-04: Investigation: To investigate the technical problem in a step-wise manner including a thorough survey of the problem, understanding its design, formulating numerous solutions and experimenting with various solutions to finalize one according to the design.

PLO-05: Modern Tool Usage: To analyze all the updated tools and to utilize most updated IT tools for designing of a solution for a technical problem including prediction and modeling of technical activities with an understanding of limitations.

PLO-06: The Technology and Society: To conduct a survey for the use of technology in the most professional and ethical manner

PLO-07: Environment and Sustainability: To understand the impact of technical tools on the environment and to make sure the technological solutions demonstrate a safe environment along with the sustainable development of society

PLO-08: Ethics: To conduct ethical principles for the fulfillment of all the ethical norms of the technical practices

PLO-09: Individual and Team Work: To be able to work individually if needed and give an effective output as well as to be able to produce best in team work

PLO-10: Communication: To communicate effectively with the engineering community and deliver the best of one's knowledge through effective communication skills and to give/receive clear instructions

PLO-11: Project Management: To be able to demonstrate the impact of technical solutions of one's own work and to manage projects in a multi-disciplinary environment

PLO-12: Life-Long Learning: To be able to recognize the importance of being always indulged in a learning environment and to pursue life-long learning for every new development in technical environment

Hierarchical Model of Outcomes at SUIT

Vision and Mission Statements of SUIT/Faculty/Department

⬇ ⬆

Program Educational Objectives (PEOs)

⬇ ⬆

Program Learning Outcomes (PLOs)

⬇ ⬆

Course Learning Outcomes (CLOs)

Abdur Rahman Khan
Team leads at Saudi Arabia
CCS China
Saudi Communications

SUIT is really the best educational organization. CDC is one of the great platforms for the SUIT alumni which provides a great employment opportunity. I am glad to be a beneficiary of this platform personally.

Department of Mathematics

Mission

The Mathematics Department aims to deliver top-quality education and research, equipping students with essential analytical skills for diverse careers and fostering an inclusive, innovative academic community.

Program Offered: Bachelor of Science in Mathematics

Faculty Members, Department of Mathematics

Dr. Tariq Abbas	Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Azhar Ali	Associate Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Haroon-ur-Rasheed	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Mr. Mumtaz Khan	Associate Professor	M.Phil Maths, Strathclyde University
Dr. Shahid Mahmood	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Ms. Asmarah Kanwal	Assistant Professor	M.Sc Maths, University of Peshawar
Mr. Muhammad Jebran Khan	Assistant Professor	MS Mathematics, Bacha Khan University, Charsadda

Bachelor of Science in
Mathematics

Program Code	220
Number of Courses	45 + FYP
Credit Hours	132

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having F.Sc (Pre-Engineering/ Computer Science) or A-Levels with an Equivalency Certificate from IBCC Islamabad with at least 50% Marks or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an Entry test/aptitude interview conducted by the university.

Program Objectives:

The objectives of BS in mathematics program are to prepare graduates with enhanced skills, knowledge and attributes that will be needed for a successful career and professional accomplishments after graduation. The program aims to produce graduates who:

- Have an appropriate combination of theoretical knowledge and practical skills to advance professionally in mathematics and related fields.
- Are able to use mathematical tools and language to understand the physical world around us.
- Are able to adapt to and succeed in a dynamic global environment.
- Are prepared to participate in lifelong learning opportunities.
- Are prepared for a professional career in education, or in business, industry and research institutions.
- Are prepared to continue formal education and obtain advanced degrees in mathematics or related fields.
- Aspire to evolve as integral part of society through their knowledge and professional skills.

Program Outcomes

At the end of the BS Program in Mathematics, students will be able to:

- Acquire knowledge of the variety of mathematical areas and their interrelation.
- Acquire the mathematical knowledge and skills necessary for success in their program or career.
- Develop the ability to read, discuss, and speak about mathematics.
- Develop the ability to work both independently and collaboratively on mathematical problems.
- Acquire knowledge of the roles of intuition, formalization, and proof in mathematics.
- Develop problem-solving skills.
- Develop the ability to write about mathematics.
- Develop critical thinking skills.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
MAT 101	Calculus-1	3-0
GS 107	Introductory Mechanics	2-1
ENG 101	Functional Communication (English-I)	3-0
GS 123	Islamic Studies	2-0
IT 107	Applications of Information and Communication Technologies	2-1
MAT 103	Elements of Set Theory and Mathematical Logics	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 16
MAT107	Calculus-II	3-0
MAT109	Discrete Mathematics	3-0
Gs201	Islamic History	2-0
GH 200	Pakistan Studies	2-0
MAT 204	Linear Algebra	3-0
ENG 290	Report Writing (English-II)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
MAT 202	Calculus-III (Multivariable Calculus)	3-0
MAT 214	Algebra-1 (Group Theory)	3-0
GE 203	Entrepreneurship	2-0
MAT 401	Complex Analysis	3-0
MAT 209	Elementary Statistics	3-0
MGT 106	Principles of Management	2-0

4th Semester

Course Code	Course Title	Cr. Hrs. 17
MAT 212	Affine and Euclidean Geometry	3-0
MAT 318	Algebra-II (Ring and Field)	3-0
GE 205	Civics and Community Engagement	1-1
MAT 206	Statistics and Probability Theory	3-0
MAT 309	Ordinary Differential Equations	3-0
MAT 220	Vector and Tensor Analyses	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
MAT 301	Real Analysis-1	3-0
MAT 303	Numerical Analysis-I	3-0
MAT 305	Methods of Mathematical Physics	3-0
MAT 307	Dynamics	3-0
MAT 322	Integral Equations	3-0
IT 344	Programming with MATLAB	2-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MAT 312	Real Analysis-II	3-0
MAT 316	Partial Differential Equations	3-0
GS 341	Electricity and Magnetism	2-1
MAT 314	Numerical Analysis-II	3-0
MAT 340	Business Mathematics	3-0
RES 350	Field Experience	0-3

7th Semester

Course Code	Course Title	Cr. Hrs. 15
MAT 406	Basic Topology	3-0
MAT 403	Fluid Mechanics	3-0
MAT 405	Differential Geometry	3-0
RES 477	Research Methodology	3-0
MAT 441	Functional Analysis	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
MAT 420	Number Theory	3-0
MAT 444	General Topology	3-0
ECO 315	Econometrics	3-0
MAT 433	Graph Theory	3-0
RES 485	Final Year Project	0-3

Department of Business Administration

FACULTY OF MANAGEMENT SCIENCES

Faculty of Management Sciences

The Faculty of Management Sciences was the first discipline of study started in the Sarhad University of Science and Information Technology, Peshawar for catering the ever-increasing demand of management professionals. The programs offered by the University at the Undergraduate and Postgraduate levels are aimed at producing managers and entrepreneurs who can promote the trade and industry in the area by putting in the skills and expertise developed during their stay at this university. The outgoing graduates are expected to be professionally equipped with state-of-the-art management techniques and capable enough to tackle the real world Business Management problems. The programs emphasize upon the development of analytical abilities with a view to enable the graduates to handle critical situations concerning humans and materials and to utilize the resources in the best optimum way.

Department of Business Administration

Vision

To be acknowledge and recognized as one of the leading business school at national and world wide for education and research in the areas of Business and Management.

Mission

To provide economically, socially, and culturally relevant business and management related education to all those who wish to benefit from it. We are a demand-led and customer focused education institution. We enhance learning, build confidence and create opportunities for all who choose to invest in studying at our school.

Programs Offered:

Associate Degree in Business Administration
Bachelor of Business Administration
Associate Degree in Commerce
Bachelor of Science in Commerce
Associate Degree in Business Analytics
Bachelor of Science in Business Analytics

Faculty Members, Department of Business Administration

Prof. Dr. Wali Rahman	Head of Department	Ph.D HRD, NUML, Islamabad
Prof. Dr. Syed Gohar Abbas	Prof. / DG DLM / Dir. CDC	Ph.D, EDSEG, IAE University of Lyon3, France
Dr. Rabia Ishrat	Associate Professor	Ph.D Management Sciences, Sarhad University, Peshawar
Dr. Waheed-ur-Rehman	Assistant Professor	Ph.D Management Sciences, Sarhad University, Peshawar
Dr. Lal Muhammad	Assistant Professor	Ph.D Management Sciences, Sarhad University, Peshawar
Dr. Muhammad Irfan	Assistant Professor	Ph.D Economics, University of Peshawar
Mr. Sarmad Jan Mian	Assistant Professor	MS Marketing, University of Birmingham, UK
Ms. Shaima Nisar	Assistant Professor	M.Phil Management Sciences, Qurtuba University, Peshawar
Ms. Sana Tariq	Assistant Professor	MS Management Sciences, IM Sciences, Peshawar
Mr. Muhammad Islam	Coordinator	MS Management Sciences, Sarhad University, Peshawar
MS. Aymun Atta Muhammad	Assistant Professor	MS Finance, IM Sciences, Peshawar
Ms. Zil-e-Huma Najeeb	Lecturer	MBA (Finance), IM Sciences, Peshawar
Mr. Waas Khan	Lecturer	MS Management Sciences (Finance), Sarhad University, Peshawar

Associate Degree in
Business Administration

Program Code	083
Number of Courses	23
Credit Hours	66

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (I. Com, DBA, D. Com, FA, F.Sc.) with at-least 45% Marks or A-Level with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply. Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

This program aims at producing students who are capable and could demonstrate understanding of work as per market need and could adapt quickly to the expectations of employers. To this end the program is set to have the following objectives:

- To enable the students to have early professional life;
- To enable the students to identify and analyze business problems and opportunities and recommend courses of action in the subject context;
- To enable the students to communicate effectively and professionally;
- To enable the students to exhibit awareness of economic, environmental, political, ethical, legal and regulatory business contexts;
- To enable the students to behave professionally, effectively and respectfully with all the stakeholders; and
- To enable them to apply administrative concepts and methods to address office issues and organizational performance.

Program Outcomes

On the completion of the degree, the students would be expected to have:

- The potential to start professional career;
- The required skills to identify and analyze business problems and opportunities and recommend courses of action in the subject context;
- The potential to communicate effectively and professionally;
- The required awareness of economic, environmental, political, ethical, legal and regulatory business contexts;
- Learnt how to behave professionally, effectively and respectfully with all the stakeholders; and
- The potential to apply administrative concepts and methods to address office issues and organizational performance problems.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
ECO 124	Micro Economics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321/305	Arabic / Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
MGT 345	Organizational Behavior	3-0
ECO 144	Macro Economics	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.14
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
IT 350	E-Commerce	3-0
MGT 323	Business and Corporate Law	3-0

Hassan Iqbal

Assistant Manager,
Air Blue Airlines

I graduated in 2007 from the Department of Business Administration, SUIT. As Assistant Manager, I believe in hard work and team dynamics that will pave the path for a culture of respect, peace at the workplace. I consider my time at SUIT as the key that unlocked my potential. SUIT provided me with a strong footing in practical experience.

Bachelor of
Business Administration

Program Code	021
Number of Courses	44+Field Experience+Research Project
Credit Hours	135
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Intermediate (I. Com, DBA, D. Com, FA, F.Sc) with at-least 45% Marks or A-Level (22 Points) with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates who have secured Associate Degree (semester system) in Business Administration with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Students who have 14 years (BA/BSc./B.Com-from annual system or AD non-business education with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

This program aims at producing students with diverse potentials of working as line managers characterized by quick market adaptability in the fluid market. To this end the program is set to have the following objectives:

- To enable the students to have the core business knowledge and their application;
- To enable them to acquire potential for recognizing the need to adapt business practices to the opportunities and challenges of an evolving local and global business environment;
- To have good communication skills so as to convey business messages effectively;
- Work effectively, respectfully, ethically and professionally in the challenge market;
- Be capable of working in team by employing team building skills to facilitate collaborative behaviors to achieve group and organizational goals and objectives;
- Recognize entrepreneurial opportunities for new business ventures; and
- Be capable of making basic investment and financing decisions for a business using financial management concepts, and methods.

Program Outcomes

On the completion of the degree, the passed-out graduates would be expected to have:

- Acquired the core knowledge about business and their respective applications;
- To have acquire the requisite potential for recognizing the need to adapt business practices to the opportunities and challenges of an evolving local and global business environment;
- Such developed good communication skills through which they could communicate effectively;
- The potential to work effectively, respectfully, ethically and professionally in the challenge market;
- The forte of working in team by employing team building skills to facilitate collaborative behaviors to achieve group and organizational goals and objectives;
- Acquired the potential to recognize entrepreneurial opportunities for new business ventures; and
- The core capabilities of making basic investment and financing decisions for a business using financial management concepts, and methods.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
ACC 221	Financial Accounting	3-0
ECO 112	Principles of Economics	3-0
MA 209	Elementary Statistics	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
MGT 305	Organizational Behaviour	3-0

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
ECO 124	Micro Economics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321/305	Arabic / Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
MGT 345	Organizational Behavior	3-0
ECO 144	Macro Economics	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.14
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
IT 350	E-Commerce	3-0
MGT 323	Business and Corporate Law	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
PSY 201	Human Psychology	3-0
HRM 333	Human Resource Management	3-0
GS 302	Logic & Critical Thinking	3-0
MGT 351	Essentials of Supply Chain Management	3-0
FIN 231	Introductory Business Finance	3-0
BA 201	Fundamentals of Business Analytics	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 371	Strategic Management	3-0
MA 252	Statistical Inference	3-0
FIN 434	Financial Management	3-0
MGT 352	Introduction to Hospitality	3-0
MKT 431	Marketing Management	3-0
ECO 361	Managerial Economics	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
BA 314	Data Analysis for Business	3-0
RES 379	Research Methods in Business	3-0
THM 401	Hotel Management	3-0
	Elective I / Minor	3-0
	Elective II / Minor	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.15
MGT 452	Logistics and Operations Management	3-0
MGT 451	Corporate Social Responsibility	3-0
RES 490	Research Project	0-3
	Elective III / Minor	3-0
	Elective IV / Minor	3-0

Students will be asked to undertake (RES 350) Field Experience of at least SIX weeks (In Summer Semester) - 3 Cr Hours

Specialization with List of Electives

Human Resource Management

Course Code	Course Title	Cr. Hrs.
HR 418	Organizational Development	3-0
HR 311	Human Resource Development	3-0
HR 403	Compensation Management	3-0
HR 412	Labour Relations Management	3-0
HR 440	Training & Development	3-0
HR 448	Motivation	3-0
HR 420	Performance Appraisal	3-0
HR 356	Leadership and Team Management	3-0

Tourism & Hotel Management

Course Code	Course Title	Cr. Hrs.
THM 403	Global Tourism & Hospitality	3-0
THM 405	Tourism and Hospitality Laws	3-0
THM 407	Room Division Operations	3-0
THM 409	Food & Beverage Operations	3-0
THM 411	Event Management	3-0
THM 413	Tourism Management	3-0
THM 415	Travel Business	3-0
THM 417	Tour Management	3-0
THM 419	Tourism Marketing	3-0

Business Analytics

Course Code	Course Title	Cr. Hrs.
BA 401	Data Science for Business	2-1
BA 207	Fundamentals of Business Intelligence	3-0
BA 410	Data Structure and Business Applications	2-1
BA 415	Business Data and Text Mining	2-1
BA 301	Database Systems for Business	2-1
BA 405	Ethics in Business Analytics	3-0
BA 305	Machine Learning for Business Analytics	2-1
BA 412	Big Data Technologies	2-1

Banking & Finance

Course Code	Course Title	Cr. Hrs.
FIN 461	Analysis of Capital Markets	3-0
FIN 425	Islamic Modes of Financing	3-0
FIN 330	Analysis of Financial Statements	3-0
FIN 444	Portfolio Management	3-0
FIN 335	International Banking	3-0
FIN 357	Banking Law and Practice	3-0
FIN 470	Fraud Prevention Management	3-0
FIN 475	Tax Policy and Practices in Pakistan	3-0
FIN 451	Project Appraisal	3-0

Marketing

Course Code	Course Title	Cr. Hrs.
MKT 363	Advertising Management	3-0
MKT 411	Industrial Marketing	3-0
MKT 427	Marketing of Services	3-0
MKT 358	Small Business Management	3-0
MKT 360	Strategic Marketing	3-0
MKT 440	Personal Selling	3-0
MKT 451	Export Marketing	3-0
MKT 452	International Marketing	3-0
MKT 455	Marketing Research	3-0
MKT 465	International Trade	3-0

Supply Chain Management

Course Code	Course Title	Cr. Hrs.
MGT 413	Project Management	3-0
MGT 434	Purchasing and Supply Chain Management	3-0
MGT 436	Warehousing and Distribution Management	3-0
MGT 438	Logistics Planning & Management	3-0
MGT 432	Inventory Management & Control	3-0
MGT 430	Crisis and Conflict Management	3-0

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Associate Degree in
Commerce

Program Code	184
Number of Courses	23
Credit Hours	66

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (I. Com, DBA, D. Com, FA, F.Sc.) with at-least 45% Marks or A-Level (22 Points) with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply. Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

This program aims at producing students who are capable and could demonstrate understanding of work as per market need and could adapt quickly to the expectations of employers. To this end the program is set to have the following objectives:

- To enable the students to have early professional life;
- To enable the students to identify and analyze business problems and opportunities and recommend courses of action in the subject context;
- To enable the students to communicate effectively and professionally;
- To enable the student to exhibit awareness of economic, environmental, political, ethical, legal and regulatory business contexts;
- To enable the students to behave professionally, effectively and respectfully with all the stakeholders; and
- Apply accounting concepts and methods to interpret financial statements for evaluating the financial position and performance of organizations.

Program Outcomes

On the completion of the degree, the students would be expected to have:

- The potential to start professional career;
- The required skills to identify and analyze business problems and opportunities and recommend courses of action in the subject context;
- The potential to communicate effectively and professionally;
- The required awareness of economic, environmental, political, ethical, legal and regulatory business contexts;
- Learnt how to behave professionally, effectively and respectfully with all the stakeholders; and
- Have acquired the potentials to apply theory in their professional career.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
ECO 124	Micro Economics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321 /305	Arabic/Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
MGT 345	Macro Economics	3-0
ACC 223	Auditing I	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.14
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
ACC 315	Applied Accounting	3-0
IT 350	E-Commerce	3-0

Muhammad Hassan
Branch Operations Officer,
Meezan Bank Limited.

The day I got admission in Sarhad University, I was uncertain about my academic career and my future goals. After some time, I started finding the teaching faculty very cooperative and supportive. I found in them a true mentor. I would like to say thanks for their efforts and hardship.

Bachelor of Science in
Commerce

Program Code	185
Number of Courses	43+Field Experience+Research Project
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Intermediate (I. Com, DBA, D. Com, FA, F.Sc) with at-least 45% Marks or A-Level (22 Points) with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates who have secured Associate Degree (semester system) in Business Administration with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Students who have 14 years (BA/BSc./B.Com-from annual system or AD non-business education with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

This program aims to prepare professionals having the required knowledge and technical skills necessary to understand and participate in the modern business world. To this end the program is set to have the following objectives:

- To enable the students to have the core business knowledge and skills and their applications;
- To enable them to have a general understanding of the concepts, principles, theories and arguments of selected areas of study outside the core disciplines of economics and business;
- To have good communication skills so as to convey business messages effectively;
- Work effectively, respectfully, ethically and professionally in the challenge market;
- To enable them to be effective problem solvers by employing team building skills to facilitate collaborative behaviors to achieve group and organizational goals and objectives; and
- Be capable of making basic investment and financing decisions for a business using financial management concepts, and methods.

Program Outcomes

On the completion of the degree, the passed-out graduates would be expected to have:

- Acquired the core business knowledge and skills have the potential to apply in practice;
- Acquired a general understanding of the concepts, principles, theories and arguments of selected areas of study outside the core disciplines of economics and business;
- The required skills to communicate effectively so as to address the needs of the convey business;
- The potential to work effectively, respectfully, ethically and professionally in the challenge market;
- Got developed skills to solve problems through team building skills and to facilitate collaborative behaviors to achieve group and organizational goals and objectives; and
- Acquired the critical potential of making basic investment and financing decisions for a business using financial management concepts, and methods.

Scheme of Studies:

Bridge Semester

Course Code	Course Title	Cr. Hrs. 18
MA 127	Business Mathematics	3-0
ACC 221	Financial Accounting	3-0
ECO 112	Principles of Economics	3-0
ACC 223	Auditing I	3-0
MA 209	Elementary Statistics	3-0
MGT 107	Principles of Management	3-0

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
ECO 124	Micro Economics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321 /305	Arabic/Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
MGT 345	Macro Economics	3-0
ACC 223	Auditing I	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.14
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
FIN 231	Introductory Business Finance	3-0
IT 350	E-Commerce	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
ACC224	Auditing II	3-0
PSY 201	Human Psychology	3-0
ACC 315	Applied Accounting	3-0
GS 302	Logic & Critical Thinking	3-0
HRM 333	Human Resource Management	3-0
MGT 305	Production / Operations Mgt	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 15
ECO 361	Managerial Economics	3-0
MA 252	Statistical Inference	3-0
ECO 380	Quantitative Methods in Business	3-0
FIN 332	Financial Institutions & Markets	3-0
FIN 434	Financial Management	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
FIN 357	Banking Laws and Practices	3-0
IT 479	Accounting Information System	3-0
MGT 413	Project Management	3-0
	Elective I / Minor	3-0
	Elective II / Minor	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.15
FIN 473	Anti-Money Laundering & Controls	3-0
MGT 451	Corporate Social Responsibility	3-0
RES 490	Research Project	0-3
	Elective III / Minor	3-0
	Elective IV / Minor	3-0

Students will be asked to undertake (RES 350) Field Experience of at least SIX weeks (In Summer Semester) - 3 Cr Hours

Specialization with List of Electives

Conventional Banking

Course Code	Course Title	Cr. Hrs.
FIN 335	International Banking	3-0
FIN 412	Risks Management in Banks	3-0
FIN 426	Prudential Regulations for Banks	3-0
FIN 428	Company Laws for Good Governance in Banks	3-0
FIN 421	Leasing & Investment Banking	3-0

Finance

Course Code	Course Title	Cr. Hrs.
FIN 330	Analysis of Financial Statements	3-0
FIN 444	Portfolio Management	3-0
FIN 461	Analysis of Capital Markets	3-0
FIN 405	Credit Management	3-0
FIN 451	Project Appraisal	3-0
FIN 568	Investment Analysis	3-0

Islamic Banking & Insurance

Course Code	Course Title	Cr. Hrs.
FIN 425	Islamic Modes of Financing	3-0
FIN 432	Islamic Insurance System (Takaful)	3-0
ECO 438	Islamic Economic System	3-0
FIN 338	Islamic Financial Instruments	3-0
FIN 345	Islamic Commercial & Investment Banking	3-0

Taxation

Course Code	Course Title	Cr. Hrs.
FIN 475	Tax Policy and Management	3-0
FIN 470	Fraud Prevention Management	3-0
FIN 410	Income Tax laws	3-0
FIN 471	Global Taxation	3-0
FIN 472	Business Taxation	3-0

Zainab Zuhaid
Management Trainee Officer
Allied Bank

I did my Bachelor of Commerce from SUIT in 2022. I spent my 4 years of my life at SUIT which will be unforgettable for me. SUIT changed my mind and approach towards challenges and tasks which I need to tackle in my personal and professional life. Thank you, SUIT, for making me enough strong to compete in this competitive environment.

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Associate Degree in
Business Analytics

Program Code	247
Number of Courses	24
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (I. Com, DBA, D. Com, FA, F.Sc.) with at-least 45% Marks or A-Level (22 Points) with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

Modern businesses are driven by the application of contemporary tools and techniques. Graduates are welcomed if they have the potentials of understanding business analytics. This degree program is designed to enable the students to have an easy entry into this application driven business world. To this end the program is set to have the following objectives:

- To enable the students to understand the basics of Business Analytics;
- To develop their analytical and problem-solving skills which could help them in business decision-making;
- To enable them to have essential knowledge for data analysis, visualization, and interpretation techniques;
- To enable them to apply statistical and machine learning methods to solve business problems;
- To enable them to have effective communication skills to market their acquired skills;
- To enable them to have essential awareness of ethical requirements in data collection, analysis, and usage; and
- To enable them to pursue their careers in analytics, data science, or related fields.

Program Outcomes

On the completion of the degree, the passed-out graduates would be expected to have:

- Understood the basics of Business Analytics;
- Got developed their analytical and problem-solving skills which could help them in business decision-making;
- Acquired the essential knowledge for data analysis, visualization, and interpretation techniques;
- Acquired to skills to apply statistical and machine learning methods to solve business problems;
- Developed effective communication skills to market their acquired skills;
- Got essential awareness of ethical requirements in data collection, analysis, and usage; and
- Got the required potentials of pursuing careers in analytics, data science, or related fields.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
IT 228	Management Information System (MIS)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321 /305	Arabic / Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
BA 201	Fundamentals of Business Analytics	3-0
MGT 371	Strategic Management	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
BA 207	Fundamentals of Business Intelligence	3-0
FIN 231	Introductory Business Finance	3-0
MGT 323	Business & Corporate Law	3-0

Bachelor of Science in
Business Analytics

Program Code	248
Number of Courses	43+Field Experience+ Research Project
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (I. Com, DBA, D. Com, FA, F.Sc.) with at-least 45% Marks or A-Level (22 Points) with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates will be required to pass an entry test / an interview conducted by the university.

Program Objectives:

Modern businesses are driven by the application of contemporary tools and techniques. Graduates are welcomed if they have the potentials of understanding business analytics. This degree program is designed to enable the students to be a positive addition in the modern business world. To this end the program is set to have the following objectives:

- To enable the students to understand the basics of Business Analytics;
- To develop their analytical and problem-solving skills which could help them in business decision-making;
- To enable them to have command on data analysis, visualization, and interpretation techniques;
- To enable them to apply statistical and machine learning methods to solve business problems;
- To develop their expertise in data mining, predictive modeling, and forecasting;
- To develop their communication skills for effective communication with all stakeholders;
- To develop their skills to remain updated with industry trends and emerging technologies in analytics;
- Got essential awareness of ethical requirements in data collection, analysis, and usage; and
- Got the required potentials of pursuing careers in analytics, data science, or related fields.

Program Outcomes

On the completion of the degree, the passed-out graduates would be expected to have:

Understood the basics of Business Analytics;

- Got developed their analytical and problem-solving skills which could help them in business decision-making;
- Acquired the skills to have command on data analysis, visualization, and interpretation techniques;
- Acquired to skills to apply statistical and machine learning methods to solve business problems;
- Got developed communication skills for effective communication with all stakeholders;
- Acquired the necessary skills to remain updated with industry trends and emerging technologies in analytics;
- Got essential awareness of ethical requirements in data collection, analysis, and usage; and
- Got the required potentials of pursuing careers in analytics, data science, or related fields.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional English (Eng-1)	3-0
IT 107	Applications of ICT	2-1
GS 124/141	Islamic Study/Values, Ethics & Society (for Non-Muslims)	2-0
ACC 121	Principles of Accounting	3-0
MGT 107	Principles of Management	3-0
MKT 227	Principles of Marketing	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 323	Business Report Writing	3-0
MA 127	Business Mathematics I	3-0
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
ACC 221	Financial Accounting	3-0
MGT 102	Fundamentals of Business	3-0
IT 228	Management Information System (MIS)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 321 /305	Arabic / Chinese Language	3-0
GS 324	Sociology	3-0
MGT 270	Entrepreneurship	3-0
ACC 232	Cost Accounting	3-0
BA 201	Fundamentals of Business Analytics	3-0
MGT 371	Strategic Management	3-0

4th Semester

Course Code	Course Title	Cr. Hrs.17
MA 209	Elementary Statistics	3-0
GE 205	Civics & Community Engagement	1-1
GS 309	Introduction to Geography	3-0
BA 207	Fundamentals of Business Intelligence	3-0
FIN 231	Introductory Business Finance	3-0
MGT 323	Business & Corporate Law	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
ECO 124	Micro Economics	3-0
GS 302	Logic & Critical Thinking	3-0
MGT 413	Project Management	3-0
BA 301	Database Systems for Business	2-1
FIN 434	Financial Management	3-0
BA 305	Machine Learning for Business Analytics	2-1

6th Semester

Course Code	Course Title	Cr. Hrs. 15
ECO 144	Macro Economics	3-0
MA 252	Statistical Inference	3-0
BA 314	Data Analysis for Business	2-1
BA 316	Programing for Business Education	2-1
HRM 333	Human Resource Management	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
BA 401	Data Science for Business	3-0
RES 379	Research Methods in Business	3-0
BA 403	Decision Science for Business	2-1
BA 405	Ethics in Business Analytics	3-0
ECO 327	Econometrics	3-0

8th Semester

Course Code	Course Title	Cr. Hrs.12
BA 415	Business Data and Text Mining	3-0
RES 480	Research Project	0-3
BA 412	Big Data Technologies	2-1
BA 410	Data Structure & Business Applications	3-0

Students will be asked to undertake (RES 350) Field Experience of at least SIX weeks (In Summer Semester) - 3 Cr Hours

DEPARTMENTS

- Education
- Art & Design
- Library & Information Sciences
- Sports Sciences & Physical Education
- English
- Urdu

FACULTY OF ARTS, SOCIAL SCIENCES & EDUCATION

Faculty of Arts, Social Sciences & Education

The broad focus of the faculty of Arts, Social Sciences and Education is on the professional development of individuals, including teachers both through regular programs and in-service education. At the higher levels, research in education and social sciences form the primary area of attention with an endeavor to promote interdisciplinary academic exchange. The design of courses is innovative and practical with emphasis on use of Information Technology. These programs aim at cultivation of professional efficiency with a broad and reflective academic background.

The faculty also arranges lectures, worship, symposiums, conference and seminars on the topics of arts, social sciences and education, throughout the year where eminent scholars and faculty members are invited to keep students updated and to stimulate interaction at the national and international level. Focused on preservation of our heritage, and indigenous culture and sports traditions, collective efforts to accomplish this task are made with the help of contemporary training methods and tools.

Department of Education

Vision

To acquire excellence through Pragmatic Learning, Essential Education and Quality Research.

Mission

To promote Quality Teaching through uplifting Pedagogical Proficiencies, Managerial Expertise and Research Competencies.

Programs Offered:

Associate Degree in Education
Bachelor of Studies in Education
Bachelor of Studies in Education (2.5 Years) (Post BA or Equivalent Degree)
Bachelor of Studies in Education (2 Years) (Non Content Based)
Bachelor of Studies in Education (2 Years) (Content Based)
Bachelor of Education (1.5 Years)
Bachelor of Education (2.5 Years)

Faculty Members, Department of Education

Prof. Dr. Khisro Kaleem Raza	Head of Department	Ph.D Education, University of Peshawar
Prof. Dr. Wasal Khan	Professor	Ph.D Education, Sarhad University, Peshawar
Dr. Abdul Wadood	Assistant Professor	Ph.D Education, Qurtuba University, Peshawar
Dr. Ahsan-Ur-Rehman	Assistant Professor	Ph.D Education, Qurtuba University, DI Khan
Dr. Mufti Kifayat Ullah	Lecturer	Ph.D Islamic Studies, Abdul Wali Khan University, Mardan
Mr. Hazrat Bilal	Coordinator	M.Phil Education, Abasyn University, Peshawar

Associate Degree in
Education

Program Code	093
Number of Courses	22 + Teaching Practice
Credit Hours	66
Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- To equip prospective teachers with adequate knowledge of subject matter, contemporary pedagogies, communication skills, critical thinking and dispositions to be an elementary school teacher.
- To offer students a teacher education program that allows them to move through a four year B.Ed, by completing part of the degree (ADE) and completing the remaining two years of the program immediately or by completing the additional year (s) at a later date.

Program Outcomes:

- To master the contemporary pedagogies of the level desired.
- To practice the communication skills and critical thinking in classroom situation
- To use the ability gained for future oriented teacher education programs
- To enhance focus over quality education at school level.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
GS 123/141	Islamic Studies / Value, Ethics & Society (for Non-Muslims)	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication (English-I)	3-0
EDU 101	Child Development	3-0
EDU 110	Guidance and Counseling	3-0
EDU 206	Classroom Management	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
GS 101	Ecosystem	3-0
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre-Calculus)	3-0
EDU 105	Foundations of Education	3-0
EDU 202	Development of Education in Pakistan	3-0
EDU 234	School Community & Teacher	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 303	Civics and Community Engagement	1-1
IT 107	Applications of Information & Communication Technologies (ICT)	2-1
MA 310	Introduction to Statistics	3-0
EDU 107	General Methods of Teaching	3-0
EDU 307	Curriculum Development & Implementation	3-0
EDU 325	Teacher Education in Pakistan	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
EDU 291	Teaching Practice	0-3
EDU 303	Educational Measurement and Evaluation	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

Bachelor of Studies in
Education

Program Code	187
Number of Courses	43+Teaching Practice+Research Project
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

The Bachelor of Studies in Education Program has been crafted to equip the prospective teachers with the basic knowledge and skills of the field of education. The program also equips the students with the content knowledge of the selected disciplines in three streams including:

1. Biological Sciences
2. Languages
3. Physical Sciences

Program Outcomes:

After completion of the program, the prospective teachers will be able to:

- Gain an insight of the basic knowledge of education
- Internalize the conceptual understanding of the selected disciplines
- Utilize the pedagogic skills in practical teaching
- Gain and use managerial knowledge in educational administration
- Practice quality research in education.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
GS 123/141	Islamic Studies / Value, Ethics & Society (for Non-Muslims)	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication (English-I)	3-0
EDU 101	Child Development	3-0
EDU 110	Guidance and Counseling	3-0
EDU 206	Classroom Management	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
GS 101	Ecosystem	3-0
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics-I (Pre-Calculus)	3-0
EDU 105	Foundation of Education	3-0
EDU 202	Development of Education in Pakistan	3-0
EDU 234	School Community & Teacher	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 303	Civics and Community Engagement	1-1
IT 107	Application of Information & Communication Technologies (ICT)	2-1
MA 310	Introduction to Statistics	3-0
EDU 107	General Methods of Teaching	3-0
EDU 307	Curriculum Development & Implementation	3-0
EDU 325	Teacher Education in Pakistan	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
EDU 291	Teaching Practice	0-3
EDU 303	Educational Measurement and Evaluation	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
	Minor-I (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-I (Biology/English /Physics)	3-0
EDU 419	Teaching and Demonstration	0-3
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 410	Educational Psychology	3-0
EDU 406	Professionalism in Teaching	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 15
	Minor-II (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-II (Biology/English/Physics)	3-0
	Pedagogy (Select from list of electives)	3-0
EDU 412	Comparative Education	3-0
EDU 426	Teaching Strategies	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 18
	Minor-III (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-III (Biology/English/Physics)	3-0
EDU 309	Educational Research	3-0
EDU 321	Critical Thinking and Reflective Practices	3-0
EDU 322	Secondary Education	3-0
EDU 316	Human Development and Learning	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
	Minor-IV (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-IV (Biology/English /Physics)	3-0
EDU 324	Educational Technology	3-0
EDU 402	Educational Leadership & Management	3-0
RES 492	Research Project	0-3

Minor/Content Courses:

Student will select one specialization from the following (as Minor):

1. Chemistry (4 Courses) For Biological Sciences
2. Urdu (4 Courses) For Languages
3. Mathematics (4 Courses) For Physical Sciences

Biological Sciences

Course Code	Course Title	Cr. Hrs.
CH 330	Chemistry-I	2-1
CH 331	Chemistry-II	2-1
CH 430	Chemistry-III	2-1
CH 431	Chemistry-IV	2-1

Physical Sciences

Course Code	Course Title	Cr. Hrs.
MA 331	Complex Variables, Linear Algebra and infinite & Fourier Series (Mathematics)	3-0
MA 332	Differential and Integral Calculus (Mathematics)	3-0
MA 441	Geometry (Mathematics)	3-0
MA 442	Numerical Methods and Differential Equations (Mathematics)	3-0

Languages

Course Code	Course Title	Cr. Hrs.
URD 342	Tahreer o Insha (Urdu)	3-0
URD 343	Sheri Asnaff (Urdu)	3-0
URD 442	Nasri Asnaff (Urdu)	3-0
URD 443	Adabi Istelahatt (Urdu)	3-0

Interdisciplinary/Content Courses

Student will select one category from the following (as Interdisciplinary Course) with strict compliance to their specialization:

1. Biology (4 Courses)----For Biological Sciences
2. English (4 Courses)---For Languages
3. Physics (4 Courses)------For Physical Sciences

Biological Sciences

Course Code	Course Title	Cr. Hrs.
BOT 330	Botany-I	2-1
BOT 331	Botany-II	2-1
ZOO 430	Zoology-I	2-1
ZOO 431	Zoology-II	2-1

Physical Sciences

Course Code	Course Title	Cr. Hrs.
PHY 331	Mechanics (Physics)	2-1
PHY 332	Waves and Oscillation (Physics)	2-1
PHY 441	Electricity and Magnetism (Physics)	2-1
PHY 442	Modern Physics (Physics)	2-1

Languages

Course Code	Course Title	Cr. Hrs.
ENG 341	Novel (English)	3-0
ENG 342	Prose-I (English)	3-0
ENG 442	Prose-II (English)	3-0
ENG 441	Poetry (English)	3-0

Pedagogies

Students will select one pedagogy course from the following, with reference to their Specialization:

Course Code	Course Title	Cr. Hrs.
EDU 391	Teaching of Biological Sciences	3-0
EDU 392	Teaching of Languages	3-0
EDU 393	Teaching of Physical Sciences	3-0

Bachelor of Studies in Education (2.5 Years) (Post BA or Equivalent Degree)

Program Code	225
Number of Courses	24+Teaching Practice+Research Project
Credit Hours	84
Minimum Duration	5 Semesters, 2.5 Years
Maximum Duration	12 Semesters, 6 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having Bachelor's degree or Associate Degree (Non Education) or Equivalent qualification with at least 45% marks in Annual System or 2.00 CGPA on the scale of 4.00 in semester system from any recognized university/DAI are eligible to apply.

Program Objectives:

The Bachelor of Studies in Education (2.5 years) program will enable the prospective teacher to:

- Master Learner-centered and activities based teaching
- Change the traditional and obsolete type of teaching methodology with innovative instructional approaches
- Play active role in enhancement of literacy rate in the country
- Compete and contribute meaningfully in the field of education
- Address societal problems by thoughts and practices
- Practice quality research in education

Program Outcomes:

- To utilize skills in the field of education, teaching and training
- To get the ability to work in groups and different social set ups
- To understand and utilize the basic knowledge of educational philosophy, educational psychology, management, curriculum and evaluation, along with researches
- To bring into practice the theoretical and conceptual knowledge
- To express thoughts and ideas through oral, written and modern means of communication

Scheme of Studies:

Bridge Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 206	Classroom Management	3-0
EDU 110	Guidance and Counseling	3-0
EDU 202	Development of Education in Pakistan	3-0
EDU 234	School Community and Teacher	3-0
EDU 101	Child Development	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

1st Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 300	Foundation of Education	3-0
EDU 408	Educational Statistics	3-0
EDU 307	Curriculum Development and Implementation	3-0
EDU 309	Educational Research	3-0
EDU 312	General Method of Teaching	3-0
EDU 316	Human Development and Learning	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 319	Teaching Practice–I	0-3
EDU 321	Critical Thinking and Reflective Practices	3-0
EDU 322	Secondary Education	3-0
EDU 325	Teacher Education in Pakistan	3-0
EDU 327	Islamic System of Education	3-0
EDU 329	Education in Pakistan (Problem, Issues and Trends)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 419	Teaching Practice–II	0-3
EDU 402	Educational Leadership and Management	3-0
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 406	Professionalism in Teaching	3-0
EDU 303	Educational Measurement and Evaluation	3-0
RES 491	Research Project-Phase I	0-3

4th Semester

Course Code	Course Title	Cr. Hrs. 15
EDU 218	ICT in Education	3-0
ENG 209	Academic Writing	3-0
EDU 412	Comparative Education	3-0
RES 492	Research Project-Phase II	0-3
	Pedagogy (Select from list of Electives)	3-0

List of Electives for Pedagogy Courses

Course Code	Course Title	Cr. Hrs.
EDU 391	Teaching of Biological Sciences	3-0
EDU 392	Teaching of Languages	3-0
EDU 393	Teaching of Physical Sciences	3-0

Bachelor of Studies in
Education (2 Years) (Content Based)

Program Code	205
Number of Courses	20+Teaching Practice+Research Project
Credit Hours	66

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having Associate Degree in Education with at least 45% marks in Annual System or 2.00 CGPA on the scale of 4.00 in semester system from any recognized university/DAI are eligible to apply.

Program Objectives:

The Bachelor of studies in Education (2 Years) Program has been crafted to equip the prospective teachers with the basic knowledge and skills of the field of Education. The program also equips the students with the content knowledge of the selected disciplines in three steams including:

1. Biological Science
2. Languages
3. Physical Sciences

Program Outcomes:

After completing the program, the prospective teacher will be able to:

- Gain an insight of the basic knowledge of Education
- Internalize the conceptual understanding of the selected disciplines
- Utilize the pedagogic skills in practical teaching
- Gain and use managerial knowledge in education administration
- Practice quality research in education

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
	Minor-I (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-I (Biology/English/Physics)	3-0
EDU 419	Teaching and Demonstration	0-3
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 410	Educational Psychology	3-0
EDU 406	Professionalism in Teaching	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 15
	Minor-II (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-II (Biology / English / Physics)	3-0
	Pedagogy (Select from list of electives)	3-0
EDU 412	Comparative Education	3-0
EDU 426	Teaching Strategies	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
	Minor-III (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-III (Biology/English/Physics)	3-0
EDU 309	Educational Research	3-0
EDU 321	Critical Thinking and Reflective Practices	3-0
EDU 322	Secondary Education	3-0
EDU 316	Human Development and Learning	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 15
	Minor-IV (Chemistry/Urdu/Maths)	3-0
	Interdisciplinary-IV (Biology/English /Physics)	3-0
EDU 324	Educational Technology	3-0
EDU 402	Educational Leadership & Management	3-0
RES 492	Research Project	0-3
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

Minor/content Courses:

Student will select one specialization from the following (as Minor):

1. Chemistry (4 Courses) For Biological Sciences
2. Urdu (4 Courses) For Languages
3. Mathematics (4 Courses) For Physical Sciences

Biological Sciences

Course Code	Course Title	Cr. Hrs.
CH 330	Chemistry-I	2-1
CH 331	Chemistry-II	2-1
CH 430	Chemistry-III	2-1
CH 431	Chemistry-IV	2-1

Physical Sciences

Course Code	Course Title	Cr. Hrs.
MA 331	Complex Variables, Linear Algebra and infinite & Fourier Series (Mathematics)	3-0
MA 332	Differential and Integral Calculus (Mathematics)	3-0
MA 441	Geometry (Mathematics)	3-0
MA 442	Numerical Methods and Differential Equations (Mathematics)	3-0

Languages

Course Code	Course Title	Cr. Hrs.
URD 342	Tahreer o Insha (Urdu)	3-0
URD 343	Sheri Asnaff (Urdu)	3-0
URD 442	Nasri Asnaff (Urdu)	3-0
URD 443	Adabi Istelahatt (Urdu)	3-0

Interdisciplinary/Content Courses

Student will select one category from the following (as Interdisciplinary Course) with strict compliance to their specialization:

1. Biology (4 Courses)----For Biological Sciences
2. English (4 Courses)---For Languages
3. Physics (4 Courses)------For Physical Sciences

Biological Sciences

Course Code	Course Title	Cr. Hrs.
BOT 330	Botany-I	2-1
BOT 331	Botany-II	2-1
ZOO 430	Zoology-I	2-1
ZOO 431	Zoology-II	2-1

Physical Sciences

Course Code	Course Title	Cr. Hrs.
PHY 331	Mechanics (Physics)	2-1
PHY 332	Waves and Oscillation (Physics)	2-1
PHY 441	Electricity and Magnetism (Physics)	2-1
PHY 442	Modern Physics (Physics)	2-1

Languages

Course Code	Course Title	Cr. Hrs.
ENG 341	Novel (English)	3-0
ENG 342	Prose-I (English)	3-0
ENG 442	Prose-II (English)	3-0
ENG 441	Poetry (English)	3-0

Pedagogies

Students will select one pedagogy course from the following, with reference to their Specialization:

Course Code	Course Title	Cr. Hrs.
EDU 391	Teaching of Biological Sciences	3-0
EDU 392	Teaching of Languages	3-0
EDU 393	Teaching of Physical Sciences	3-0

Bachelor of Studies in Education (2 Years) (Non Content Based)

Program Code	226
Number of Courses	19+Teaching Practice+Research Project
Credit Hours	69
Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having Associate Degree in Education with 2.00 CGPA on the scale of 4.00 in semester system along with BA/BSc with 45% marks from any recognized University/DAI are eligible to apply.

Program Objectives:

The Bachelor of Studies in Education (2 years) program will enable the prospective teacher to:

- Master Learner-centered and activities based teaching.
- Change the traditional and obsolete type of teaching methodology with innovative instructional approaches
- Play active role in enhancement of literacy rate in the country
- Compete and contribute meaningfully in the field of education
- Address societal problems by thoughts and practices
- Practice quality research in education

Program Outcomes:

- To utilize skills in the field of education, teaching and training.
- To get the ability to work in groups and different social set ups.
- To understand and utilize the basic knowledge of educational philosophy, educational psychology, management, curriculum and evaluation, along with researches.
- To bring into practice the theoretical and conceptual knowledge.
- To express thoughts and ideas through oral, written and modern means of communication.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 300	Foundation of Education	3-0
EDU 307	Curriculum Development and Implementation	3-0
EDU 309	Educational Research	3-0
EDU 312	General Method of Teaching	3-0
EDU 316	Human Development and Learning	3-0
EDU 408	Educational Statistics	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 319	Teaching Practice–I	0-3
EDU 321	Critical Thinking and Reflective Practices	3-0
EDU 322	Secondary Education	3-0
EDU 325	Teacher Education in Pakistan	3-0
EDU 327	Islamic System of Education	3-0
EDU 329	Education in Pakistan (Problem, Issues and Trends)	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
EDU 419	Teaching Practice–II	0-3
EDU 402	Educational Leadership and Management	3-0
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 406	Professionalism in Teaching	3-0
EDU 303	Educational Measurement and Evaluation	3-0
RES 491	Research Project-Phase I	0-3

4th Semester

Course Code	Course Title	Cr. Hrs. 15
EDU 218	ICT in Education	3-0
ENG 209	Academic Writing	3-0
EDU 412	Comparative Education	3-0
RES 492	Research Project-Phase II	0-3
	Pedagogy (Select from list of Electives)	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

List of Electives for Pedagogy Courses

Course Code	Course Title	Cr. Hrs.
EDU 391	Teaching of Biological Sciences	3-0
EDU 392	Teaching of Languages	3-0
EDU 393	Teaching of Physical Sciences	3-0

Muhammad Haroon
Lecturer,
Higher Education Dept., KP

I graduated in 2007 from the Department of Business Administration, SUIT. As Assistant Manager, I believe in hard work and team dynamics that will pave the path for a culture of respect, peace at the workplace. I consider my time at SUIT as the key that unlocked my potential. SUIT provided me with a strong footing in practical experience.

Bachelor of
Education (1.5 Years)

Program Code	145
Number of Courses	16 + Teaching Practice
Credit Hours	54

Minimum Duration	3 Semesters, 1.5 Years
Maximum Duration	8 Semesters, 4 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates with 16 years of education like BSCS/BE/MBBS/BDS/MBA/MA or an equivalent degree with at least 2.00 CGPA on the scale of 4.00 in semester system or 45 % marks in annual system are eligible to apply.

Candidates need to pass an entry test or aptitude interview conducted by the university.

Program Objectives:

Our B.Ed (1.5 years) program will enable the prospective teacher to

- Master Learner-centered and activities based teaching.
- Change the traditional and obsolete type of teaching methodology with innovative instructional approaches.
- Play active role in enhancement of literacy rate in the country.
- Compete and contribute meaningfully in the field of education.
- Address societal problems by thoughts and practices.

Program Outcomes:

- To utilize skills in the field of education, teaching and teacher training
- To get the ability to work in groups and different social set ups
- To understand and utilize the basic knowledge of educational philosophy, educational psychology, management, curriculum and evaluation, along with researches
- To bring into practice the theoretical and conceptual knowledge
- To express thoughts and ideas through oral, written, and modern means of communications.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 300	Foundations of Education	3-0
EDU 307	Curriculum Development and Implementation	3-0
EDU 309	Educational Research	3-0
EDU 312	General Methods of Teaching	3-0
EDU 316	Human Development and Learning	3-0
EDU 408	Educational Statistics	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 319	Teaching Practice I	0-3
EDU 321	Critical Thinking and Reflective Practices	3-0
	Area of Specialization (Course I)	3-0
	Area of Specialization (Course II)	3-0
	Area of Specialization (Course III)	3-0
	Area of Specialization (Course IV)	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 419	Teaching Practice II	0-3
EDU 402	Educational Leadership and Management	3-0
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 406	Professionalism in Teaching	3-0
EDU 303	Educational Measurement and Evaluation	3-0
RES490	Research Project	0-3
	OR	
EDU410	Educational Psychology	3-0

Area of Specialization

Teacher Education

Course Code	Course Title	Cr. Hrs.
EDU 322	Secondary Education	3-0
EDU 325	Teacher Education in Pakistan	3-0
EDU 327	Islamic System of Education	3-0
EDU 329	Education in Pakistan; Problems, Issues and Trends	3-0

Technology in Education

Course Code	Course Title	Cr. Hrs.
EDU 324	Educational Technology	3-0
EDU 326	Computer in Education	3-0
EDU 328	Broadcast Media	3-0
EDU 330	Non Broadcast Media	3-0

In pursuit of a vision you never fail to hear the voices of doubt and disbelief. I want to thank SUIT, Peshawar for furthering my ability to silence those voices both internal and external. I will always consider myself blessed and fortunate to have been able to experience that era of my life

Asma Bibi, Alumnus,

Department of Education

Bachelor of
Education (2.5 Years)

Program Code	158
Number of Courses	26 + Teaching Practice
Credit Hours	84

Minimum Duration	5 Semesters, 2.5 Years
Maximum Duration	12 Semesters, 6 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having 14 years of Bachelor's degree or Associate Degree (Non Education) with at least 45% marks in Annual System or 2.00 CGPA on the scale of 4.00 in semester system from any recognized university/ DAI are eligible to apply.

Program Objectives:

Our B.Ed (2.5 years) program will enable the prospective teacher to

- Master Learner-centered and activities based teaching
- Change the traditional and obsolete type of teaching methodology with innovative instructional approaches
- Play active role in enhancement of literacy rate in the country
- Compete and contribute meaningfully in the field of education
- Address societal problems by thoughts and practices

Program Outcomes:

- To utilize skills in the field of education, teaching and training
- To get the ability to work in groups and different social set ups
- To understand and utilize the basic knowledge of educational philosophy, educational psychology, management, curriculum and evaluation, along with researches
- To bring into practice the theoretical and conceptual knowledge
- To express thoughts and ideas through oral, written, and modern means of communications.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 15
EDU 206	Classroom Management	3-0
EDU 110	Guidance and Counseling	3-0
EDU 202	Development of Education in Pakistan	3-0
EDU 234	School Community and Teacher	3-0
EDU 101	Child Development	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 300	Foundations of Education	3-0
EDU 307	Curriculum Development & Implementation	3-0
EDU 309	Educational Research	3-0
EDU 312	General Method of Teaching	3-0
EDU 316	Human Development and Learning	3-0
EDU 408	Educational Statistics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 319	Teaching Practice–I	0-3
EDU 321	Critical Thinking and Reflective Practices	3-0
EDU 322	Secondary Education	3-0
EDU 325	Teacher Education in Pakistan	3-0
EDU 327	Islamic System of Education	3-0
EDU 329	Education in Pakistan (Problem, Issues and Trends)	3-0

4th Semester

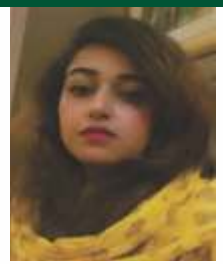
Course Code	Course Title	Cr. Hrs. 18
EDU 419	Teaching Practice–II	0-3
EDU 402	Educational Leadership and Management	3-0
EDU 404	Citizenship Education and Community Engagement	3-0
EDU 406	Professionalism in Teaching	3-0
EDU 303	Educational Measurement and Evaluation	3-0
RES 491	Research Project-Phase I (In lieu of EDU410)	0-3
EDU 410	Educational Psychology (In lieu of RES491)	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 15
EDU 218	ICT in Education	3-0
ENG 209	Academic Writing	3-0
EDU 412	Comparative Education	3-0
RES 492	Research Project-Phase II (In lieu of EDU426)	0-3
EDU 426	Teaching Strategies (In lieu of RES492)	3-0
	Pedagogy (Select from list of Electives)	3-0

List of Electives for Pedagogy Courses

Course Code	Course Title	Cr. Hrs.
EDU 391	Teaching of Biological Sciences	3-0
EDU 392	Teaching of Languages	3-0
EDU 393	Teaching of Physical Sciences	3-0



Hooriya Nasir

SST Teacher,
Facilitator at British Council,
Ambassador/ Event organizer
at Parwana-e-Khanum

I am immensely impressed by the remarkable environment and exceptional quality education offered at SUIT. The university has cultivated a nurturing atmosphere that facilitates both personal and academic growth. SUIT is truly dedicated to delivering excellence in education, making it a prominent institution that sets the bar high.

Department of Art & Design

Vision

To create learning based community for students whose values are based on productivity and creativity. We not only aim to provide practical knowledge to the students but in the long run would strive to prepare students for related roles in fashion, textile industry and retail outlets. Also develop student's artistic aesthetics through drawing and painting. In support of its vision our department values rests on building an academically inspiring community that is a hub of creative activity.

Mission

Department of Art and Design at Sarhad University of Science and Information Technology inculcates a zeal for design through a characteristic undergraduate education in a student-centered environment leading to gratifying careers as design professionals.

Programs Offered:

Diploma in Drawing Master
Associate Degree in Arts
Associate Degree in Textile & Fashion Design
Bachelor of Science in Textile & Fashion Design
Associate Degree in Fine Arts
Bachelor of Science in Fine Arts
Associate Degree in Interior Design
Bachelor of Studies in Interior Design
Associate Degree in Visual Communication Design
Bachelor of Studies in Visual Communication Design

Faculty Members, Department of Art & Design

Ms. Anosha Akbar	Coordinator	MS Project Management, Abasyn University, Peshawar
Ms. Noor-Ul-Ain Ayaz	Lecturer	BS Fashion Designing, Iqra National University, Peshawar
Ms. Zaina Amin	Lecturer	BS Textile, University of Peshawar
Ms. Kaneez Fatima	Lecturer	BS Textile & Fashion Design, Sarhad University, Peshawar
Ms. Zarminah Mahsud	Lecturer	Bachelor of Arts (Hons) Art & Design, University of Peshawar

Diploma in
Drawing Master

Program Code	068
Number of Courses	10 + Teaching Practice
Total Marks	1200
Minimum Duration	2 Semesters, 1 Years
Maximum Duration	6 Semesters, 3 Years
Minimum 45% Marks Required to Earn Diploma	

Eligibility:

Admission to Diploma in Drawing Master shall be open to candidates who have passed intermediate examination from a recognized board of intermediate and secondary education in Pakistan or any other equivalent examination with at least 45% at course in SSC/HSSC.

Program Objectives:

The Program is designed to:

- Equip the drawing teachers with a high level of professional skills
- Help teachers to add an artistic taste of elementary school children to their role as drawing masters
- Improve teacher's performance in classrooms by adopting instructional methods relevant to local situation of both urban and rural areas in arts and drawing
- Provide opportunities to develop skills of curriculum planning, evaluation, creativity, and problem solving contemporary issues
- Offer learning opportunities to potential drawing teachers, so that, after one-year, they are able to work with Middle and Secondary school students

Program Outcomes:

Upon successful completion of this course, students should be able to:

- Understand the visualization process of translating three-dimensional space and form onto a two-dimensional format, develop competence in using dry media techniques and demonstrate a sense of craftsmanship in the end product. (drawing)
- Identify the three components of art, understand the vocabulary of art, the vocabulary of two-dimensional design and utilize design strategies and techniques to produce a product that demonstrates craftsmanship and presentation. (design)
- Discover the creative process and how it can be applied to everyday life, develop technical skill in various media and explore the world of aesthetics (personal enrichment).

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
SDM 176	Technical, Geometrical & Scale Drawing	100
SDM 177	History of Art	100
SDM 178	Black Board Sketching	100
SDM 179	Expressional Art	100
SDM 180	Model Drawing	100
SDM 181	Nature Study	100

2nd Semester

Course Code	Course Title	Cr. Hrs. 17
SDM 182	Design Techniques	100
SDM 189	Arts & Craft	100
SDM 184	Islamiyat	100
SDM 185	Physical Education	100
SDM 186	Teaching Practice	200

Associate Degree in Arts

Program Code	255
Number of Courses	24
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- To furnish students with a comprehensive understanding across multiple disciplines within the arts, establishing a robust academic foundation.
- To equip students with a breadth of knowledge in various arts subjects, adequately exposing them to diverse disciplines.

Program Outcomes:

- Upon graduation, students will be adept at merging insights and competencies from the two distinct streams of arts covered in the program, enabling them to tackle intricate challenges through diverse viewpoints.
- Completing the program will equip students with a holistic grasp of fundamental principles and conceptual framework of two specified streams of arts, empowering them to adapt to emerging trends and interdisciplinary partnerships.
- Graduates will demonstrate proficiency in critically evaluating and synthesizing information from the two focal areas of arts, fostering effective communication and innovative problem-solving across academic and creative domains which will enable them to select their professional career.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication (English-I)	3-0
	Elective 1 of Stream 1	3-0
	Elective 2 of Stream 1	3-0
	Elective 3 of Stream 1	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Ecosystem	3-0
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
MA 100	Mathematics-I (Pre-Calculus)	3-0
	Elective 1 of Stream 2	3-0
	Elective 2 of Stream 2	3-0
	Elective 3 of Stream 2	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 205	Civics and Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
	Elective 4 of Stream 1	3-0
	Elective 5 of Stream 1	3-0
	Elective 6 of Stream 1	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
	Elective 4 of Stream 2	3-0
	Elective 5 of Stream 2	3-0
	Elective 6 of Stream 2	3-0

Streams:

Student will select any two streams from the following:

1. International Relations
2. Political Science
3. Sociology
4. Psychology
5. Pakistan Studies
6. English
7. Education
8. Library &Information Sciences
9. Urdu
10. Physical Education
11. Art & Design

International Relations

Course Code	Course Title	Cr. Hrs.
IR 101	Basic Factors in International Relations	3-0
IR 103	History of International Relations 1648-1945	3-0
IR 105	Theories of International Relations	3-0
IR 202	Introduction to Political Geography	3-0
IR 204	International Politics of South Asia	3-0
IR 206	Research Methodology	3-0

Political Science

Course Code	Course Title	Cr. Hrs.
POL 101	Introduction to Political Science	3-0
POL 103	Political Systems of UK, USA, France	3-0
POL 105	Political Systems of India, Iran, China & Turkey	3-0
POL 202	Western Political Thoughts	3-0
POL 204	Muslim Political Thoughts	3-0
POL 206	Pakistan Movement	3-0

Sociology

Course Code	Course Title	Cr. Hrs.
SGY 101	Introduction to Sociology	3-0
SGY 103	Development of Social Thoughts	3-0
SGY 105	Sociological Theories	3-0
SGY 202	Pakistani Society and Culture	3-0
SGY 204	Introduction to Social Work	3-0
SGY 206	Introduction to Social Research	3-0

Psychology

Course Code	Course Title	Cr. Hrs.
PSY 101	Introduction to Psychology	3-0
PSY 103	History of Psychology	3-0
PSY 105	Schools of Psychology	3-0
PSY 202	Educational Psychology	3-0
PSY 204	Experimental Psychology	3-0
PSY 206	Introduction to Social Psychology	3-0

Pakistan Studies

Course Code	Course Title	Cr. Hrs.
PS 101	Political & Constitutional Development in Pakistan (1947-1988)	3-0
PS 103	Genesis of Pakistan Movement (1857-1947)	3-0
PS 105	Foreign Policy of Pakistan	3-0
PS 202	Political & Constitutional Development in Pakistan (1988-2018)	3-0
PS 204	Muslim Reformist Movements in Indo-Pak Subcontinent	3-0
PS 206	The Status of Human Rights in Pakistan	3-0

English

Course Code	Course Title	Cr. Hrs.
ELL 100	History of English Literature	3-0
ELL 204	Introduction to Morphology	3-0
ELL 209	Psycholinguistics	3-0
ELL 105	Introduction to Language Studies	3-0
ELL 113	Introduction to English Literature	3-0
ELL 211	Literary Theory & Practical Criticism	3-0

Education

Course Code	Course Title	Cr. Hrs.
EDU 206	Classroom Management	3-0
EDU 110	Guidance and Counseling	3-0
EDU 202	Development of Education in Pakistan	3-0
EDU 234	School Community and Teacher	3-0
EDU 101	Child Development	3-0
EDU 105	Foundations of Education	3-0

Library & Information Sciences

Course Code	Course Title	Cr. Hrs.
LIS 101	Information Library & Society	3-0
LIS 122	Introduction to Classification	3-0
LIS 124	Introduction to Cataloguing	3-0
LIS 109	Management of Library & Information Center	3-0
LIS 107	Evaluation of Libraries & Information Sources	3-0
LIS 105	Basic References to Information Sources	3-0

Urdu

Course Code	Course Title	Cr. Hrs.
URD 100	تاریخ زبان وادب اُردو (حصّہ اوّل)	3-0
URD 105	افسانوی ادب (حصہ اول)	3-0
URD 108	قدیم اصناف نظم (مثنوی، قصیدہ، مرثیہ)	3-0
URD 106	تحریر وانشاء (عملی تربیت)	3-0
URD 110	ادب اور ابلاغیات	3-0

Physical Education

Course Code	Course Title	Cr. Hrs.
SSS 101	Philosophical Basis of Physical Education	3-0
SSS 102	Anatomy & Physiology	3-0
SSS 103	Rules and Techniques of Games	3-0
SSS 104	Rules & Techniques of Track and Field	3-0
SSS 207	Techniques and Teaching of Games (Practical)	0-2
SSS 114	Techniques and Teaching of Gymnastics (Practical)	0-1
SSS 214	Techniques and Teaching of Track & Field (Practical)	0-2

Art & Design

Course Code	Course Title	Cr. Hrs.
AD 101	Elements & Principles of Design	1-2
AD 105	Basic Drawing	0-2
AD 104	Color Theory	2-1
AD 103	Drawing Techniques	0-2
AD 108	Basic Drafting	0-2
AD 109	History of Art	3-0
AD 201	Material & Models	0-2

Associate Degree in
Textile & Fashion Design

Program Code	163
Number of Courses	27
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- Graduates striving to create and utilize the study of design.
- Graduate acquiring the fundamental knowledge of design related to Textile and Fashion.

Program Outcomes:

- Students will be able to create textile prints.
- Students will have complete knowledge of the fashion and textile industry.
- Students will communicate their ideas effectively.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre- Calculus)	3-0
TFD 221	Design History & Theory-I	3-0
AD 103	Drawing Techniques	0-2
TFD 119	Fibers & Yarn	3-0
TFD 106	Pattern	1-1

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
TFD 204	Basic Sewing	0-2
AD 201	Material & Models	0-2
TFD 214	Pattern-II	0-2
TFD 216	Textile Surface Development	2-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
TFD 270	Draping	1-1
TFD 217	Design History & Theory-II	2-0
TFD 219	Fashion Illustration-I	1-2
TFD 228	Pattern-III	0-2

Bachelor of Science in
Textile & Fashion Design

Program Code	111
Number of Courses	48
Credit Hours	135
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

- Graduate demonstrating the blend of creativity and professional fabric and fashion design skills.
- Graduate striving to enhance textile & fashion entrepreneurship skills

Program Outcomes:

- Students will be able to produce creative works that demonstrate innovative concepts, formal language, and material exploration.
- Students will be able to describe, analyze, and interpret their artwork.
- Students will be able to recognize elements of design in artwork.
- Students will get an insight into fashion and clothing, and it will enhance their aesthetic sense.
- Students will develop textile and fashion entrepreneurship skills.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
TFD 119	Fibers & Yarn	3-0
TFD 219	Fashion Illustration-I	1-2
TFD 270	Draping	1-1
TFD 216	Textile Surface Development	2-1
TFD 204	Basic Sewing	0-2
TFD 131	Pattern Making	0-2
AD 101	Elements & Principles of Design	1-2

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre- Calculus)	3-0
TFD 221	Design History & Theory-I	3-0
AD 103	Drawing Techniques	0-2
TFD 119	Fibers & Yarn	3-0
TFD 106	Pattern	1-1

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
TFD 204	Basic Sewing	0-2
AD 201	Material & Models	0-2
TFD 214	Pattern-II	0-2
TFD 216	Textile Surface Development	2-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
TFD 270	Draping	1-1
TFD 217	Design History & Theory-II	2-0
TFD 219	Fashion Illustration-I	1-2
TFD 228	Pattern-III	0-2

5th Semester

Course Code	Course Title	Cr. Hrs. 15
AD 301	Digital Design-I	1-1
TFD 366	Advance Sewing	0-2
TFD 340	Draping-II	0-2
TFD 224	Textile Design-I	1-2
TFD 361	Weave Design Studio	1-2
TFD 365	Fashion Illustration-II	1-2

6th Semester

Course Code	Course Title	Cr. Hrs. 19
RES 380	Research Methodology	3-0
AD 303	Digital Design-II	1-2
TFD 368	History of Costume	3-0
TFD 339	Fashion Drawing and Illustration	1-2
TFD 377	Textile Design-II	1-2
TFD 379	Weave Design Studio-II	0-2
TFD 380	Surface Embellishment	0-2

7th Semester

Course Code	Course Title	Cr. Hrs. 17
MKT 401	Digital Marketing	3-0
HR 355	Leadership & Team Management	3-0
AD 401	Digital Design-III	0-2
TFD 401	Batik Technique	1-2
TFD 404	Textile Dyes	3-0
RES 415	Research Thesis (Phase I)	0-1
	Collection + Portfolio (Phase I)	0-2

8th Semester

Course Code	Course Title	Cr. Hrs. 15
GS 422	Professional Ethics	3-0
EDU 312	General Methods of Teaching	3-0
TFD 454	Fashion Accessories	0-2
RES 486	Research Thesis (Phase II)	0-2
	Collection + Portfolio (Phase II)	0-2
RES 430	Field Practice	0-3

Select one for collection:

Fashion Collection

Course Code	Course Title	Cr. Hrs.
TFD 481	Fashion Collection + Portfolio (Phase I)	0-2
TFD 482	Fashion Collection + Portfolio (Phase II)	0-2

Textile Collection

Course Code	Course Title	Cr. Hrs.
TFD 483	Textile Collection + Portfolio (Phase I)	0-2
TFD 484	Textile Collection + Portfolio (Phase II)	0-2

Associate Degree in
Fine Arts

Program Code	170
Number of Courses	26
Credit Hours	66
Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- Graduate acquiring basic knowledge of techniques and skills used in Fine Arts.
- Graduate developing an understanding of contemporary visual arts development, current trends, and market issues.

Program Outcomes:

- Students will know different techniques and skills by using essential tools and processes.
- They will develop skills to demonstrate and express their concepts in a concrete form.
- They will be able to resolve complex problems related to the artwork.
- They will be able to express artistic concepts through manipulating various media (e.g., charcoal, paint) and the psychology of colors.
- They will be aware of contemporary visual arts development and issues and current trends in the market.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0
FA 107	Basic Painting	0-2

3rd Semester

Course Code	Course Title	Cr. Hrs. 15
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
FA 210	Drawing-I	0-2
FA 215	Painting-I	0-2
FA 214	Sculpture	0-2

4th Semester

Course Code	Course Title	Cr. Hrs. 17
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
AD 203	History of Culture	3-0
FA 219	Advance Color Theory	2-1
FA 207	Nature Study	0-2

Bachelor of Science in
Fine Arts

Program Code	169
Number of Courses	48
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

- Graduate demonstrating advanced knowledge and skills in the field of Fine Arts.
- Graduate demonstrating an advanced level of competence in the field of contemporary art from a critical perspective.

Program Outcomes:

- Advanced knowledge and skills are acquired and applied in professional studio practices.
- To work professionally by understanding various mediums.
- An effective artistic vocabulary to demonstrate their work visually and verbally.
- A portfolio of their artistic achievements and work that reflects the ability to communicate effectively in visual form.
- An awareness of current professional standards in their media and in the larger field of contemporary art from a critical perspective.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
AD 108	Basic Drafting	0-2
AD 201	Material & Models	0-2
FA 210	Painting-I	0-2
FA 215	Drawing-I	0-2
FA 219	Advance Color Theory	2-1
FA 207	Nature Study	0-2
AD 101	Elements & Principles of Design	1-2
FA 214	Sculpture	0-2

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0
FA 107	Basic Painting	0-2

3rd Semester

Course Code	Course Title	Cr. Hrs. 15
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
FA 210	Drawing-I	0-2
FA 215	Painting-I	0-2
FA 214	Sculpture	0-2

4th Semester

Course Code	Course Title	Cr. Hrs. 17
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
AD 203	History of Culture	3-0
FA 219	Advance Color Theory	2-1
FA 207	Nature Study	0-2

5th Semester

Course Code	Course Title	Cr. Hrs. 17
AD 301	Digital Design-I	1-1
FA 402	Muslim Architecture	3-0
FA 222	Painting-II	0-2
FA 413	En Plein Air-I	0-2
FA 303	Drawing-II	0-2
FA 321	Calligraphy	1-2
FA 305	Pakistani Artists	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 19
RES 380	Research Methodology	3-0
FA 424	En Plein Air-II	0-2
FA 302	History of Modern and Post Modern Era	3-0
AD 303	Digital Design-II	1-2
FA 307	Advance Painting	0-2
FA 309	Printmaking	2-1
FA 315	Experimental Art	1-2

7th Semester

Course Code	Course Title	Cr. Hrs. 17
MKT 401	Digital Marketing	3-0
HR 355	Leadership & Team Management	3-0
AD 401	Digital Design-III	0-2
TFD 401	Batik Technique	1-2
FA 412	Art Criticism	3-0
RES 415	Research Thesis (Phase-I)	0-1
FA 481	Project + Portfolio (Phase I)	0-2

8th Semester

Course Code	Course Title	Cr. Hrs. 16
GS 422	Professional Ethics	3-0
EDU 312	General Methods of Teaching	3-0
FA 401	Art Psychology	3-0
RES 486	Research Thesis (Phase-II)	0-2
FA 482	Project + Portfolio (Phase II)	0-2
RES 430	Field Practice	0-3

Sadaf,
CEO,
Tarkashi SMC Pvt. Ltd.

I remained a student of Sarhad University in 2015 and am really proud to be part of T&F Design Department. I learnt here a lot from my teachers and my friends. My teachers helped me to build my career. I do remember my happy days in the Sarhad University wherein I grew and learnt to create. Thank you, Sarhad University.

Associate Degree in
Interior Design

Program Code	249
Number of Courses	27
Credit Hours	69

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- Graduate is equipped with the basic knowledge of interior design field with technical skills.
- Graduate visualize concepts through sketching, plan a space, create an ambiance and understand interior design concepts.

Program Outcomes:

- Students will be capable to demonstrate knowledge and an understanding of basic ethical and relevant areas of the interior design profession.
- Develop students understanding of human behaviours, needs and responses to various interior environments.
- Students will know about different tools and working process to learn technical skills.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0
TFD 119	Fibers & Yarn	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
ID 201	Interior History	2-0
ID 203	Interior Drawing	0-2
ID 205	3D Space Planning	1-1
TFD 216	Textile Surface Development	2-1

4th Semester

Course Code	Course Title	Cr. Hrs. 16
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
ID 207	Interior Perspective	0-2
ID 209	Lighting Design	1-1
ID 211	Residential Design	1-2

Bachelor of Studies in
Interior Design

Program Code	250
Number of Courses	49 + Research + Project
Credit Hours	134
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

- Graduate acquiring to establish functional, sustainable and aesthetically pleasing spaces in various setups.
- Graduate contributes significantly to the economy and helps meet the demand for skills professionals.

Program Outcomes:

- Students will learn to work with cutting-edge design software, building information modelling and other technologies transforming the field.
- Students get the knowledge and skills, including spatial reasoning, material selection and building layouts for different requirements.
- Student communication & collaboration skills will be develop for effective client and team interactions.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
AD 108	Basic Drafting	0-2
ID 309	Interior Graphics-I	1-2
ID 203	Interior Drawing	0-2
ID 209	Lighting Design	1-1
ID 205	3D Space Planning	1-1
TFD 119	Fibers & Yarn	3-0
ID 201	Interior History	2-0
AD 201	Material & Models	0-2

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0
TFD 119	Fibers & Yarn	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
ID 201	Interior History	2-0
ID 203	Interior Drawing	0-2
ID 205	3D Space Planning	1-1
TFD 216	Textile Surface Development	2-1

4th Semester

Course Code	Course Title	Cr. Hrs. 16
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
ID 207	Interior Perspective	0-2
ID 209	Lighting Design	1-1
ID 211	Residential Design	1-2

5th Semester

Course Code	Course Title	Cr. Hrs. 17
ID 301	Model Making	0-2
TFD 361	Weave Design Studio	1-2
ID 303	Furniture Design	1-2
ID 305	Product Design-I	0-2
ID 307	Commercial Design	1-2
ID 309	Interior Graphics-I	0-2
ID 311	Building Material Studies	2-0

6th Semester

Course Code	Course Title	Cr. Hrs. 17
RES 380	Research Methodology	3-0
ID 313	Interior Landscape Design	1-2
ID 315	Interior Graphics-II	0-2
ID 317	Digital Design	1-2
ID 319	Cost Estimation & Planning	2-0
ID 321	Product Design-II	0-2
AD 323	Photography	0-2

7th Semester

Course Code	Course Title	Cr. Hrs. 16
MKT 401	Digital Marketing	3-0
HR 355	Leadership & Team Management	3-0
ID 401	Event Planning	0-2
FA 401	Art Psychology	3-0
ID 403	Kitchen & Bath Design	0-2
RES 415	Research Thesis (Phase 1)	0-1
ID 481	Project + Portfolio (Phase 1)	0-2

8th Semester

Course Code	Course Title	Cr. Hrs. 15
GS 422	Professional Ethics	3-0
EDU 312	General Methods of Teaching	3-0
ID 405	Décor & Accessories Design	0-2
RES 486	Research Thesis (Phase 2)	0-2
ID 482	Project + Portfolio (Phase 2)	0-2
RES 430	Field Practice	3-0

Associate Degree in
Visual Communication Design

Program Code	251
Number of Courses	26
Credit Hours	68

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

- Graduate of communication design will gain functional competence with principles of visual organization to work with 2D & 3D visual elements.
- Graduate of visual communication design establish conceptual, experimental and self-evaluation while evolving theoretical & technical proficiency.

Program Outcomes:

- Students will be able to have complete knowledge of commercialization with in the capacity of market requirements.
- Students will be capable of basic knowledge and an understanding of ethical and relevant areas of the visual communication.
- Students will know about different tools and working process to learn technical skills.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 16
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
VCD 201	Calligraphy & Lettering	1-2
VCD 203	Communication Design-I	1-2
VCD 205	3D Space Planning	1-1

4th Semester

Course Code	Course Title	Cr. Hrs. 19
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
AD 301	Digital Design-I	1-1
VCD 207	Communication Design-II	0-2
AD 203	History of Culture	3-0
FA 219	Advance Color Theory	2-1

Bachelor of Studies in
Visual Communication Design

Program Code	252
Number of Courses	46 + Research + Project
Credit Hours	133
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

- Graduate play a crucial role in communicating & highlighting social aspects, ideas and information through visual media.
- Graduate of visual communication is the key component of the creative industries, which are driving economic growth and innovation.

Program Outcomes:

- Students will learn specialized knowledge and skills, including typography, colour theory and visual storytelling.
- Students will create socially responsible and inclusive designs that promote positive change through graphical skills.
- Students will develop strong brand identities and marketing materials.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
AD 108	Basic Drafting	0-2
VCD 201	Calligraphy & Lettering	1-2
AD 301	Digital Design-I	1-1
VCD 205	3D Space Planning	1-1
FA 219	Advance Color Theory	2-1
VCD 203	Communication Design-I	1-2
AD 101	Elements & Principles of Design	1-2

1st Semester

Course Code	Course Title	Cr. Hrs. 16
GS 123/141	Islamic Studies /Value, Ethics & Society	2-0
AD 100	Introduction to Art	3-0
ENG 101	Functional Communication	3-0
AD 105	Basic Drawing	0-2
AD 101	Elements & Principles of Design	1-2
AD 104	Color Theory	2-1
QT 100	Quran-e-Majeed Teachings (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 16
GS 103	Ecosystem	3-0
IT 107	Applications of ICT	2-1
MA 100	Mathematics (Pre-Calculus)	3-0
AD 108	Basic Drafting	0-2
AD 103	Drawing Techniques	0-2
AD 109	History of Art	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology & Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
AD 201	Material & Models	0-2
VCD 201	Calligraphy & Lettering	1-2
VCD 203	Communication Design-I	1-2
VCD 205	3D Space Planning	1-1

4th Semester

Course Code	Course Title	Cr. Hrs. 19
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
AD 301	Digital Design-I	1-1
VCD 207	Communication Design-II	0-2
AD 203	History of Culture	3-0
FA 219	Advance Color Theory	2-1

5th Semester

Course Code	Course Title	Cr. Hrs. 17
AD 303	Digital Design-II	1-2
VCD 301	Typography-I	1-2
VCD 303	Illustrations	0-2
VCD 305	Packaging	1-2
VCD 307	Graphics History	3-0
FA 305	Pakistani Artists	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 15
RES 380	Research Methodology	3-0
VCD 309	Typography-II	0-2
AD 401	Digital Design-III	0-2
AD 323	Photography	0-2
VCD 311	Commercial Printing	1-2
VCD 313	Branding	1-2

7th Semester

Course Code	Course Title	Cr. Hrs. 17
MKT 401	Digital Marketing	3-0
HR 355	Leadership & Team Management	3-0
ID 401	Event Planning	0-2
FA 401	Art Psychology	3-0
VCD 403	UI Design	1-2
RES 415	Research Thesis (Phase I)	0-1
VCD 481	Project + Portfolio (Phase I)	0-2

8th Semester

Course Code	Course Title	Cr. Hrs. 16
GS 422	Professional Ethics	3-0
EDU 312	General Methods of Teaching	3-0
VCD 417	Graphic Design Ethics & Communication	1-2
RES 486	Research Thesis (Phase II)	0-2
VCD 482	Project + Portfolio (Phase II)	0-2
RES 430	Field Practice	0-3

Department of Library & Information Sciences

Vision

The Department envisions a society in which library and information professionals design and manage systems and services that benefit individuals, groups, communities and organizations.

Mission

To educate, empower, and transform the lives of LIS students with an educational foundation that addresses the theories, history, ethics, values and technologies associated with the information professions.

Programs Offered:

Associate Degree in Library & Information Sciences

Bachelor of Science in Library & Information Sciences

Faculty Members, Department of Library & Information Sciences

Syed Arif Ali Shah	Head of Department	MS Library & Information Sciences, Sarhad University, Peshawar
Dr. Ata-ur-Rehman	Assistant Professor	Ph.D Library & Information Sciences, Karachi University
Dr. Shehzad Ahmad	Assistant Professor	Ph.D Library & Information Sciences, University of Punjab
Dr. Saima Hanif	Assistant Professor	Ph.D Information Management, University of Punjab
Mr. Muhammad Ibrahim	Assistant Professor	MS Library & Information Sciences, Sarhad University, Peshawar

Associate Degree in
Library & Information Sciences

Program Code	162
Number of Courses	23
Credit Hours	66

Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

The Program is designed to provide comprehensive knowledge in the core areas of Library & Information Sciences along with necessary computer skills. The breed of these graduates will help and support the work force of professionally qualified and skilled librarians which can meet market demand.

Program Outcomes:

- To apply the knowledge, Techniques, Skills and modern tools of the discipline broadly –defined library technologies activities.
- To apply knowledge of librarians/information professionals to library problems that require the application of principles and procedure of methodologies.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
GS 123/141	Islamic Studies /Value, Ethics & Society (for Non-Muslims)	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication	3-0
LIS 101	Information Library & Society	3-0
LIS 122	Introduction to Classification	3-0
LIS124	Introduction to Cataloguing	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Ecosystem	3-0
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
MA 100	Mathematics-I (Pre-Calculus)	3-0
LIS 109	Management of Library & Information Center	3-0
LIS 107	Evaluation of Libraries & Information Sources	3-0
LIS 105	Basic References to Information Sources	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 303	Civics and Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 310	Introduction to Statistics	3-0
LIS 202	User Services in Libraries	3-0
LIS 204	Introduction to Publishing & Book Trade	3-0
LIS 206	Information Storage & Retrieval	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
LIS 208	Bibliographic Control	3-0
LIS 210	Use of Emerging Technologies in Library	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

Bachelor of Science in
Library & Information Sciences

Program Code	181
Number of Courses	42 + Research Project
Credit Hours	132
Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

Students will be able to studies concentration, prepares and to work as para professionals and provisional librarians in a variety of settings, including public libraries.

It introduces students to the exciting world of information management and information transfer, in both traditional and emerging venues.

Program Outcomes:

- An understanding of Professional management of institutions providing access to information and information services
- A modern knowledge of Strategic development of innovative information services
- A knowledge of International knowledge management
- Assessment and implementation of target group-specific subject indexing of information resources
- Assessment and development of solutions for the optimization of information processes
- An ability to use current Library and information policy skills
- An ability to use Classification, assessment and anticipation of informational developments in the context of social and media-related developments
- An ability to participate in professional discussions on current developments based on scientifically sound knowledge and specific practical experience

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
LIS 101	Information Library & Society	3-0
LIS 122	Introduction to Classification	3-0
LIS 124	Introduction to Cataloguing	3-0
LIS 109	Management of Library & Information Center	3-0
LIS 107	Evaluation of Libraries & Information Sources	3-0
LIS 105	Basic References to Information Sources	3-0

1st Semester

Course Code	Course Title	Cr. Hrs. 17
GS 123/141	Islamic Studies /Value, Ethics & Society (for Non-Muslims)	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication	3-0
LIS 101	Information Library & Society	3-0
LIS 122	Introduction to Classification	3-0
LIS124	Introduction to Cataloguing	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Ecosystem	3-0
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
MA 100	Mathematics-I (Pre-Calculus)	3-0
LIS 109	Management of Library & Information Center	3-0
LIS 107	Evaluation of Libraries & Information Sources	3-0
LIS 105	Basic References to Information Sources	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 303	Civics and Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 310	Introduction to Statistics	3-0
LIS 202	User Services in Libraries	3-0
LIS 204	Introduction to Publishing & Book Trade	3-0
LIS 206	Information Storage & Retrieval	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
LIS 208	Bibliographic Control	3-0
LIS 210	Use of Emerging Technologies in Library	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
URD 117	Functional Urdu	3-0
LIS 212	Library Information Services in Pakistan	3-0
LIS 214	Knowledge Management	3-0
LIS 216	Acquisition	3-0
LIS 218	Library Automation System	3-0
LIS 103	Organization of Information	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 106	Principles of Management	3-0
LIS 305	Collection Development and Management	3-0
LIS 307	Applied Classification	2-1
LIS 309	Archives and Record Management	3-0
EDU 300	Foundation of Education	3-0
LIS 416	Field Experience	0-3

7th Semester

Course Code	Course Title	Cr. Hrs. 15
LIS 400	Information Sources of Literature & Social Sc.	3-0
LIS 402	Applied Cataloging	2-1
LIS 404	Indexing & Abstracting	3-0
RES 477	Research Methodology	3-0
LIS 407	Information Seeking Behavior	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
LIS 410	Library Resource Sharing & Networking	3-0
LIS 406	Intellectual Property Rights	3-0
LIS 411	Marketing of Library & Information Services	3-0
GS 422	Professional Ethics	3-0
RES 490	Research Project	0-3

Department of Sports Sciences & Physical Education

In line with the University's mission and vision, the Department of Sports Sciences & Physical Education is committed to academic excellence and professional pursuits in the world of work and society. For quality assurance and enhancement, all teaching staff members are actively engaged in teaching and research projects that focus investigation of issues specifically related to sports and physical activities; and their influence on the health from different perspectives. Our research not only establishes linkage with the international academia and scientific community but also influences local professionals in the field of Sports, Exercise and Health-related industries, including School and out-of-School settings.

Vision

The basic motto for the establishment of Department of Sports Sciences & Physical Education, Sarhad University is to bridge the gap of supply & demand of Sports Sciences & Physical Education professionals across the country and to become the leading seat of learning in the region.

Mission

To develop and initiate quality Physical Education programs that duly emphasize meaningful participation in Physical activities; to help the students to develop the knowledge, attitude, motor skills, social skills and confidence needed to begin and maintain a healthy and physically active lifestyle for rest of their life.

Programs Offered:

Junior Diploma in Physical Education (JDPE)

Associate Degree in Physical Education

Bachelor of Science in Sports Sciences & Physical Education

Faculty Members,
Department of Sports Sciences & Physical Education

Prof. Dr. Abdul Waheed Mughal	Dean, Faculty of Arts, Social Sciences & Edu.	Ph.D Sports Sciences, University of Leipzig, Germany
Dr. Irfan Ullah	Assistant Professor	Ph.D Sports Sciences & Physical Edu., Gomal University, D.I Khan
Dr. Inayat Shah	Assistant Professor	MBBS, Ph.D Sports Physiology, University of Glosgow, UK
Dr. Ashiq Muhammad	Assistant Professor	Ph.D Sports Sciences & Physical Edu., Gomal University, D.I Khan
Dr. Khalid Usman	Assistant Professor	Ph.D Sports Sciences & Physical Edu., Gomal University, D.I Khan
Dr. Hazrat Ullah	Assistant Professor	Ph.D Sports Sciences & Physical Edu., Gomal University, D.I Khan
Mr. Khalid Zaman	Lecturer	MS Sports Sciences & Physical Edu., Sarhad University, Peshawar
Mr. Farid Usman	Lecturer	Mphil Sports Sciences & Physical Edu., Hazara University Mansehra
Mr. Ashfaq Ali Khattak	Lecturer	MS Sports Sciences & Physical Edu., Sarhad University, Peshawar
Mr. Ishtiaq Khan	Coordinator	MS Management Sciences, Sarhad University, Peshawar
Ms. Fehmina Bibi	Lecturer	MS Sports Sciences & Physical Edu., Sarhad University, Peshawar
Mr. Imran Ullah	Lecturer	MPhil Sports Sciences & Physical Edu., Gomal University D.I Khan
Mr. Ubaid Ullah Mughal	Lecturer	MS Sports Sciences & Physical Edu., Sarhad University Peshawar
Mr. Ghulam Mustafa	Lecturer	MS Sports Sciences & Physical Edu., Sarhad University Peshawar
Mr. Muhammad Iftikhar Khan	Lecturer	MPhil Sports Sciences & Physical Edu., Gomal University, DI Khan

Junior Diploma in
Physical Education

Program Code	070
Number of Courses	13
Credit Hours	36

Minimum Duration	2 Semesters, 1 Years
Maximum Duration	6 Semesters, 3 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate Certificate with at least 45% marks or A level with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

Students will be able to promote physical, mental, emotional and social aspect of their lives.

The program will enhance student sports and athletics performance through improving health fitness and wellness.

Program Outcomes:

After successful completion of the program the students will be able to teach at school level regarding maintaining discipline and organization of the games. In addition to that the students will understand about the rules & techniques of major Games. It will be also possible to know about anatomy and physiology and about basic health related problems in relation with Sports Science as well.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
ENG 101	Functional Communication (English-I)	3-0
SPE 101	Foundation of Physical Education	3-0
SPE 119	Fundamental Rules and Techniques of Games and Sports	3-0
SPE 114	Basic Health Education	3-0
SPE 118	Olympic and Re-Creative Sports	3-0
SPE 121	Anatomy and Physiology	3-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
SPE 129	Science of Movement	3-0
SPE 132	Sports Injuries (Treatment by Rehabilitation)	3-0
SPE 131	Basic Sports Nutrition	3-0
SPE 141	Techniques and Teaching of Track & Field Events	0-2
SPE 142	Techniques and Teaching of Games	0-2
SPE 143	Techniques and Teaching of Gymnastic	0-2
SPE 191	Teaching Practice + Project	0-3

Associate Degree in
Physical Education

Program Code	174
Number of Courses	26
Credit Hours	68
Practical	04
Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate Certificate with at least 45% marks or A level with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

Program being offered to provide an opportunity to enhance the knowledge, skills and qualification in the field of sports sciences & Physical Education as well as to produce such a force of professionally qualified and skilled sports professionals which can meet the market demands.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
GE 110	Introduction to Philosophy	2-0
NS 100	Introduction to Physics	3-0
SSS 105	Philosophical Basis of Physical Education	3-0
SSS 109	Rules & Techniques of Games	3-0
GS123/240	Islamic Studies / Values, Ethics and Society (for Non-Muslims)	2-0
SSS 207	Techniques and Teaching of Games (Practical)	0-2
SSS 108	Introduction to Gymnastics	2-0
SSS 114	Techniques and Teaching of Gymnastics (Practical)	0-1

2nd Semester

Course Code	Course Title	Cr. Hrs. 15
GE 109	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics	3-0
GS 322	Sociology	2-0
SSS 111	Rules and Techniques of Track & Field	3-0
SSS 214	Techniques and Teaching of Track & Field (Practical)	0-2
SSS 115	Health Education	3-0
QT 100	Quran-e- Majeed Teaching (Audit Basis)	2-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 303	Civics and Community Engagement	1-1
ENG 101	Functional English	3-0
MGT 270	Entrepreneurship	3-0
SSS 203	Test, Measurement & Evaluation in Physical Education and Sports	3-0
SSS 205	Trauma and Rehabilitation	3-0
SSS 107	Anatomy & Physiology	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
ENG 209	Academic Writing	3-0
MA 210	Introduction to Statistics	3-0
SSS 218	Administration & Management in Sports	3-0
SSS 220	Sports Psychology	3-0
SSS 210	Curriculum Development in Physical Education	3-0

Bachelor of Science in
Sports Sciences & Physical Education

Program Code	186
Number of Courses	48
Credit Hours	130

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

Program being offered to provide an opportunity to enhance the knowledge, skills and qualification in the field of sports sciences & Physical Education as well as to produce such a force of professionally qualified and skilled sports professionals which can meet market demands.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 16
SSS 101	Philosophical Basis of Physical Education	3-0
SSS 108	Anatomy & Physiology	2-0
SSS 103	Rules and Techniques of Games	3-0
SSS 104	Rules & Techniques of Track and Field	3-0
SSS 207	Techniques and Teaching of Games (Practical)	0-2
SSS 114	Techniques and Teaching of Gymnastics (Practical)	0-1
SSS 214	Techniques and Teaching of Track & Field (Practical)	0-2
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

1st Semester

Course Code	Course Title	Cr. Hrs. 18
GE 110	Introduction to Philosophy	2-0
NS 100	Introduction to Physics	3-0
SSS 105	Philosophical Basis of Physical Education	3-0
SSS 109	Rules & Techniques of Games	3-0
GS123/240	Islamic Studies / Values, Ethics and Society (for Non Muslims)	2-0
SSS 207	Techniques and Teaching of Games (Practical)	0-2
SSS 108	Introduction to Gymnastics	2-0
SSS 114	Techniques and Teaching of Gymnastics (Practical)	0-1

2nd Semester

Course Code	Course Title	Cr. Hrs. 15
GE 109	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 100	Mathematics	3-0
GS 322	Sociology	2-0
SSS 111	Rules and Techniques of Track & Field	3-0
SSS 214	Techniques and Teaching of Track & Field (Practical)	0-2
SSS 115	Health Education	3-0
QT 100	Quran-e- Majeed Teaching (Audit Basis)	2-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
GE 303	Civics and Community Engagement	1-1
ENG 101	Functional English	3-0
MGT 270	Entrepreneurship	3-0
SSS 203	Test, Measurement & Evaluation in Physical Education and Sports	3-0
SSS 205	Trauma and Rehabilitation	3-0
SSS 107	Anatomy & Physiology	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
ENG 209	Academic Writing	3-0
MA 210	Introduction to Statistics	3-0
SSS 218	Administration & Management in Sports	3-0
SSS 220	Sports Psychology	3-0
SSS 210	Curriculum Development in Physical Education	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 15
SSS 311	Teaching and Techniques of Games–II (Practical)	0-2
SSS 301	Exercise Physiology	3-0
SSS 303	Bio-Mechanics	3-0
SSS 315	Health & Wellness	3-0
CMS 316	Media Studies	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 17
SSS 307	Research Methodology in Physical Education	3-0
SSS 309	Physical Education for Special Population	3-0
SSS 201	Sports Nutrition	3-0
SSS 317	Adapted Physical Education	3-0
SSS 313	Introduction to Planning & Management	3-0
SSS 402	Techniques and Teaching of Track & Field-II (Practical)	0-2

7th Semester

Course Code	Course Title	Cr. Hrs. 16
SSS 212	Science of Sports Training	3-0
SSS 403	Techniques and Teaching of Gymnastic II (Practical)	0-1
SSS 407	Recreation And Outdoor Pursuits	3-0
EDU 300	Foundations of Education	3-0
RES 485	Capstone Project	0-3
RES 350	Field Experience	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
SSS 410	Planning Sports Facilities	3-0
SSS 412	Physiotherapy	3-0
SSS 113	Sports Medicine	3-0
SSS 400	Introduction to Modern Technologies	3-0
SSS 305	Talent Development and Identification in Sports	3-0

Field Experience:

Eight weeks of field experience will be carried out during the summer break in competitions at the inter-school, inter-collegiate, or inter-university/board level in games, gymnastics, track, and field events. A competition certificate, along with group photos with the trainers, must be submitted to the Controller of Examinations before the final term examinations of the 7th semester.

Participants must earn a certificate of successful completion of the field experience.

Department of English

Vision

To stand tall amongst other Universities of the country in producing brilliant students in the discipline of English Language & Literature.

Mission

To promote quality education in English and allied subjects by uplifting Pedagogical Proficiency, Managerial Expertise & Research Competence.

Programs Offered:

Associate Degree in English

Bachelor of Studies in English Language and Literature

Faculty Members, Department of English

GC (R) Muhammad Sadiq Malik	Coordinator	M.A, English Language & Literature, University of Punjab, Lahore
Dr. M. Shakil Ur Rehman	Assistant Professor	Ph.D English, Qurtuba University, Peshawar
Dr. Dilawar Khan	Assistant Professor	Ph.D International Relations, Preston University, Karachi
Ms. Asimah Samad	Assistant Professor	M.Phil English (Linguistics), Islamia College University, Peshawar
Mr. Muhammad Arshad Haleem	Assistant Professor	M.Phil English (Literature), Qurtuba University, Peshawar
Mr. Zafar Ali	Assistant Professor	M.Phil English (Linguistics), Northern University, Nowshera
Mian Wakeel Uddin	Lecturer	M.A English, University of Peshawar
Ms. Aroona Saleem Jan	Lecturer	MS English (Literature), Northern University, Nowshera
Mr. Naveed Ali Shah	Lecturer	M.Phil English (Linguistics), Northern University, Nowshera
Mr. Minhas Rahim	Lecturer	MS English (Linguistics), City University, Peshawar
Ms. Noreen Zafar	Lecturer	MS English (Linguistics), City University, Peshawar
Ms. Amreen Ahmed	Lecturer	M.Sc (Human Resource Development), College of Home Economics, Peshawar
Ms. Saeeda Akbar	Lecturer	M.Phil English (Literature), Qurtuba University, Peshawar
Ms. Shahida Banu	Lecturer	M.Phil English (Linguistics), Qurtuba University, Peshawar
Ms. Syeda Maliha Zainab Hashmi	Lecturer	M.Phil English (Linguistics), Qurtuba University, Peshawar
Ms. Mahnoor Naeem	Lecturer	M.Phil English (Linguistics), Qurtuba University, Peshawar

Associate Degree in English

Program Code	222
Number of Courses	25
Credit Hours	69
Minimum Duration	4 Semesters, 2 Years
Maximum Duration	10 Semesters, 5 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test or an aptitude interview conducted by the University.

Program Objectives:

The AD English (02 Years) program is an Associate Degree program which follows the guidelines of Higher Education Commission, Islamabad, Pakistan. It helps the learner how to use various skills involved with the interpretation, understanding, analysis, reading and research of various texts and pieces of English literature. Courses are selected in order to develop an understanding of different genres and forms of literary expression (poetry, prose, novel, drama, non- fiction) as well as linguistic and rhetorical skills through frequent reading and writing assignments and class discussions.

Program Outcomes:

- The students will demonstrate the capacity to write and speak clearly, read perceptively, and think critically.
- The students will have the knowledge of historical traditions in literature.
- The students will understand how written and spoken language expresses diverse cultural experiences.
- The students will have profound knowledge of the key concepts in English language and literature.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional Communication (English-I)	3-0
GS 123/141	Islamic Studies / Values, Ethics & Society	2-0
GE 112	Introduction to Philosophy	3-0
ELL 102	History of English Literature-I	3-0
ELL 106	Introduction to Language Studies	2-1
ELL 110	Introduction to Phonetics & Phonology	2-1

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Eco System	3-0
IT 107	Applications of Information & Communication Technologies	2-1
MA 100	Mathematics-I (Pre-Calculas)	3-0
ELL 113	Introduction to English Literature	3-0
ELL 115	History of English Literature-II	3-0
ELL 204	Introduction to Morphology	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Study)	2-0
MA 210	Introduction to Statistics	3-0
ELL 307	Sociolinguistics	3-0
ELL 318	Grammar & Syntax	3-0
ELL 201	Prose-I	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
ELL 209	Psycholinguistics	3-0
ELL 211	Literary Theory & Pratical Critisism	3-0
ELL 213	Prose-II	3-0

Bachelor of Studies in
English Language & Literature

Program Code	221
Number of Courses	47 + Research Project
Credit Hours	138

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

I. **4 Years:** Candidates holding Intermediate certificate with at least 45% marks or A-Levels with equivalency certificate from IBCC Islamabad or an equivalent certificate from a recognized institution are eligible to apply.

ii. **2 Years:** Candidates holding Associate Degree in relevant discipline with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. The scheme from 5th till 8th Semester will be followed.

iii. **2.5 Years:** Candidates holding Bachelor degree (14 years of education) with at least 45% marks or 2.00 CGPA on the scale of 4.00 from a recognized institution are eligible to apply. After Bridge Semester, the scheme from 5th till 8th Semester will be followed.

Candidates will be required to pass an entry test or an aptitude interview conducted by the university.

Program Objectives:

The program aims at developing learners' ability to critically read and analyze linguistics and literary texts in their historical, socio political, cultural and philosophical contexts combined with aesthetic pleasure and intellectual stimulation. Emphasis is on literary expression (poetry, prose, novel, drama, non- fiction) as well as linguistic and rhetorical skills through frequent reading and writing assignments, and class discussions.

Program Outcomes:

- The students will have profound knowledge of the techniques of textual analysis.
- The students will be competent to adequately express themselves by oral and written communication.
- The students will have profound knowledge of the key concepts in English language and literature.
- The students will be able to critically explore major schools of literacy, criticism and theory.
- The graduates will be able to conduct both qualitative and quantitative research in the fields of English literature and Linguistics.

Scheme of Studies:

Bridge Semester (for 2.5 Years Degree)

Course Code	Course Title	Cr. Hrs. 18
ELL 100	History of English Literature	3-0
ELL 204	Introduction to Morphology	3-0
ELL 209	Psycholinguistics	3-0
ELL 105	Introduction to Language Studies	3-0
ELL 113	Introduction to English Literature	3-0
ELL 211	Literary Theory & Practical Criticism	3-0

1st Semester

Course Code	Course Title	Cr. Hrs. 17
ENG 101	Functional Communication (English-I)	3-0
GS 123/141	Islamic Studies / Values, Ethics & Society	2-0
GE 112	Introduction to Philosophy	3-0
ELL 102	History of English Literature-I	3-0
ELL 106	Introduction to Language Studies	2-1
ELL 110	Introduction to Phonetics & Phonology	2-1

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
GS 103	Eco System	3-0
IT 107	Applications of Information & Communication Technologies	2-1
MA 100	Mathematics-I (Pre-Calculas)	3-0
ELL 113	Introduction to English Literature	3-0
ELL 115	History of English Literature-II	3-0
ELL 204	Introduction to Morphology	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 16
GE 205	Civics & Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Study)	2-0
MA 210	Introduction to Statistics	3-0
ELL 307	Sociolinguistics	3-0
ELL 318	Grammar & Syntax	3-0
ELL 201	Prose-I	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
ELL 209	Psycholinguistics	3-0
ELL 211	Literary Theory & Pratical Critisism	3-0
ELL 213	Prose-II	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
EDU 304	General Study Skills	3-0
SGY 301	Gender Studies	3-0
ELL 300	Poetry I (Classical)	3-0
ELL 302	Novel I (18th Century)	3-0
ELL 304	Drama I (Classical)	3-0
ELL 306	Semantics & Pragmatics	3-0

6th Semester

Course Code	Course Title	Cr. Hrs. 18
IR 301	Introduction to International Relations	3-0
ELL 321	Novel-II (Romantic & Modern)	3-0
EDU 307	Curriculum Development	3-0
ELL 323	Introduction to Discourse Analysis	3-0
ELL 325	Poetry II (Romantic & Modern)	3-0
ELL 327	Drama II (Romantic & Modern)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 18
ELL 402	Popular Fiction	3-0
ELL 403	Introduction to Applied Linguistics	3-0
ELL 410	Post-colonial Literature	3-0
ELL 414	Introduction to Translation Studies	3-0
ELL 404	Teaching of English as a Foreign Language + (Practical Teaching)	2-1
RES 477	Research Methodology	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
ELL 418	Stylistics	3-0
ELL 407	Pakistani Literature in English	3-0
ELL 412	American Literature	3-0
ELL 405	Post Modern Fiction	3-0
RES 495	Research Project	0-3

شعبۂ اُردو

ضرورت واہمیت:

زبان انسان کے افکار، خیالات، تصوّرات، جذبات واحساسات کے اظہار کا بہترین ذریعہ ہے۔اوراس میں مہارت کے حصول سے اغراض کی وجہ سے وہ اپنے علم، افکاراور تجربات کا صحیح اظہارنہیں کرسکتا۔اُردو پڑھانے اور بولنے کا مقصد یہی ہے کہ طلباء اس زبان میں مسلسل اور مربوط طریق پر خوب صورت گفتگو کرسکیں۔اردو زبان میں مہارت خود اُردو ہی کے نقطۂ نظر سے نہیں دوسرے علوم کی تفہیم وترقی کے لحاظ سے بھی ضروری ہے۔

اُردو پاکستان کی قومی زبان ہے اور کوئی ملک اپنی قومی زبان سے صَرفِ نظر نہیں کرسکتا۔قومی زبان علاقائی فرق کو مٹا کر پورے ملک کو ایک وحدت کی لڑی میں پروتی ہے اس لیے قومی زبان نہ صرف پورے ملک کے رابطے کی زبان ہوتی ہے بلکہ قومی وحدت اور اتحاد کا ایک بڑا ذریعہ بھی ہوتی ہے۔

مقاصد:

اُردو زبان وادب کے ذریعے طلباء میں حصولِ علم کا جذبہ پیدا کرنا، تاکہ وہ ملک و قوم کے لیے مفید شہری ثابت ہوں۔

طالب علموں کے لیے زبان وادب کے مضامین کے علاوہ ایسے مضامین کی تدریس کا بھی اہتمام کیا گیا ہے جن کی تحصیل سے وہ عملی زندگی کے مختلف شعبوں میں اپنی صلاحیتوں کو آزما سکیں اور ان کی معاشی ضرورت کو پورا کرسکیں۔

طلباء کے لیے ایسے موضوعات منتخب کرنے میں آسانی پیدا کرنا جو ان کی معاشی ضرورت کو پورا کرسکیں اور عملی زندگی میں مفید ثابت ہوسکیں۔

ایسوسی ایٹ ڈگری اِن اُردو
بی ایس اُردو

Faculty Members, Department of Urdu

Dr. Ghuncha Begum	Head of Deptartment	Ph.D Urdu, University of Peshawar
Dr. Muhammad Imtiaz	Professor	Ph.D Urdu, University of Peshawar
Dr. Mian Humayun	Assistant Professor	Ph.D Urdu, Govt. College University, Lahore
Dr. Muhammad Nasir Afridi	Assistant Professor	Ph.D Urdu, Sarhad University, Peshawar
Dr. Rubina Yasmeen	Assistant Professor	Ph.D Urdu, GCWU, Faisalabad
Mr. Ubaid Bazigh	Lecturer	MPhil Urdu, Sarhad University, Peshawar
Mr. Naveed Akhtar	Coordinator	MPhil Urdu, Sarhad University, Peshawar

ایسوسی ایٹ ڈگری اِن اُردو

پروگرام کوڈ	: 199	کم ازکم دورانیہ :	4 سمسٹرز 2 سال
کل تدریسی گھنٹے	: 66	زیادہ سے زیادہ دورانیہ :	10 سمسٹرز 5 سال
مضامین کی تعداد	: 23	ڈگری کے حصول کے لیے کم ازکم CGPA 2.00 حاصل کرنا ضروری ہے	

معیارِ اہلیت:

ایسے اُمیدوار جس نے کسی بھی گورنمنٹ سے منظور شدہ انٹر میڈیٹ بورڈ سے ایف اے، ایف ایس سی (بارہ سال تعلیم) 45% نمبر سے پاس کیا ہو یا اے لیول کا مساوی درجے کا سرٹیفکیٹ IBCC اسلام آباد سے حاصل کیا ہو۔

مقاصد :

- اُردو زبان و ادب کے ذریعے طلباء میں حصولِ علم کا جذبہ پیدا کرنا، تاکہ وہ ملک و قوم کے لیے مفید شہری ثابت ہوں۔
- اُردو زبان کا دامن صرف ادب تک محدود نہیں، اس میں تاریخ، جغرافیہ، سیاسیات، شماریات، اقتصادیات، طب، ارضیات، محاسبات، بلکہ عصرِ حاضر کے تمام علوم و فنون کا اظہار ہو رہا ہے اور ہو سکتا ہے۔ لہٰذا طلباء کو اس قابل بنانا کہ وہ جب اپنی عملی زندگی کا آغاز کریں تو مذکورہ علوم کا اپنی قومی زبان میں اظہار کر سکیں۔
- کسی بھی زبان کا ادب اس خطے کی تہذیب، ثقافت اور اقدار کا نمائندہ ہوتا ہے۔ لہٰذا اُردو کی تدریس کے ذریعے طالب علموں کو اپنی اقدار اور ثقافت سے روشناس کرانا بھی پیشِ نظر ہے۔
- اُردو کی مختلف نثری، منظوم اصناف اور دیگر طرزِ بیان کو پڑھ کر ان میں امتیاز، استحسان اور تنقید کر سکیں۔

حاصلاتِ تعلّم :

- طلباء ایسوسی ایٹ ڈگری اِن اُردو کے حصول کے بعد اپنی پیشہ وارانہ صلاحیتوں کا اظہار قومی اور نجی اداروں میں کر سکیں گے۔ جن میں شعبۂ تعلیم (تدریس)، نشریاتی ادارے (ریڈیو، ٹیلی ویژن، اخبارات)، خصوصی طور پر شامل ہیں۔
- طلباء میں نہ صرف قومی خدمت کا جذبہ پیدا ہو گا بلکہ باعزت اور اچھے روزگار کی وجہ سے ان کی معاشی ضروریات بھی پوری ہو سکیں گی۔
- طلباء ادب پارے کو پڑھ کر اس کا فکری و فنّی جائزہ لے سکیں گے۔

Scheme of Studies

پہلا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 17
GS123/141	Islamic Studies/Value, Ethics & Society (for Non-Muslims)	2-0
GE 112	Introduction to Philosophy	3-0
ENG 101	Functional Communication (English-I)	3-0
URD 100	تاریخ زبان وادب اُردو (حصّہ اوّل)	3-0
URD 105	افسانوی ادب (حصہ اول)	3-0
URD 106	تحریر وانشاء (عملی تربیت)	3-0

دوسرا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 18
GS 103	Ecosystem	3-0
IT 107	Applications of Information and Communication Technologies (ICT)	2-1
MA 100	Mathematics-I (Pre-Calculus)	3-0
URD 108	قدیم اصناف نظم (مثنوی، قصیدہ، مرثیہ)	3-0
URD 110	ادب اور ابلاغیات	3-0
URD 112	دفتری اُردو	3-0

تیسرا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 16
GE 205	Civics and Community Engagement	1-1
GE 201	Ideology and Constitution of Pakistan (Pakistan Studies)	2-0
MA 210	Introduction to Statistics	3-0
URD 204	اردو زبان: قواعد واملا	3-0
URD 208	فصاحت وبلاغت	3-0
URD 210	ادبی اصطلاحات	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

چوتھا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
URD 214	جدید نظم	3-0
URD 216	تدریسِ اردو	3-0

بیچلر آف سٹڈیز اِن اُردو

پروگرام کوڈ	: 188	کم از کم دورانیہ	: 8 سمسٹرز 4 سال
کل تدریسی گھنٹے	: 132	زیادہ سے زیادہ دورانیہ	: 16 سمسٹرز 8 سال
مضامین کی تعداد	: Research Project + 45	ڈگری کے حصول کے لیے کم از کم CGPA 2.00 حاصل کرنا ضروری ہے	

معیارِ اہلیت:

چار سالہ پروگرام میں داخلے کی اہلیت: ایسے اُمیدوار جس نے کسی بھی گورنمنٹ سے منظور شدہ انٹر میڈیٹ بورڈ سے ایف اے، ایف ایس سی (بارہ سال تعلیم) 45% نمبر سے پاس کیا ہو یا، اے لیول کا مساوی درجے کا سرٹیفکیٹ IBCC اسلام آباد سے حاصل کیا ہو۔

دو سالہ پروگرام میں داخلے کی اہلیت: اے ڈی اُردو (ایسوسی ایٹ ڈگری اِن اُردو) (چودہ سال تعلیم) کے ساتھ کم از کم 2.00 CGPA/4.00 سے کسی بھی ایچ ای سی سے منظور شدہ یونیورسٹی سے پاس کیا ہو۔ ایسے اُمیدوار پانچویں سمسٹر سے آٹھویں سمسٹر تک اپنا تعلیمی سلسلہ مکمل کریں گے۔

ڈھائی سالہ پروگرام میں داخلے کی اہلیت: اس پروگرام میں داخلے کے لیے وہ اُمیدوار اہل ہوں گے جنھوں نے کسی بھی ایچ ای سی سے منظور شدہ یونیورسٹی سے سالانہ تعلیمی نظام کے تحت بی اے /بی ایس سی ۴۵ فیصد نمبروں کے ساتھ چودہ سالہ تعلیم مکمل کی ہو یا سمسٹر سسٹم کے تحت اُردو کے علاوہ کسی بھی مضمون میں ایسوسی ایٹ ڈگری CGPA 4.00 /2.00 سے پاس کی ہو۔ ایسے اُمیدوار کو پہلے ایک ارتباطی سمسٹر کروایا جائے گا اور اُس کے بعد پانچویں سمسٹر سے آٹھویں سمسٹر تک اپنا تعلیمی سلسلہ مکمل کرنا ہوگا۔

مقاصد :

- انسان کے ذاتی خیالات، افکار، تصوّرات اور جذبات واحساسات کے باہمی اظہار کا بہترین ذریعہ زبان ہے۔ زبان پر کامل عبور کے بغیر یہ مقاصد حاصل نہیں ہوسکتے۔ طلباء کو اس قابل بنانا کہ وہ مسلسل، رواں اور لائقِ فہم گفتگو کر سکیں۔
- اُردو زبان و ادب کے ذریعے طلباء میں حصولِ علم کا جذبہ پیدا کرنا، تاکہ وہ ملک و قوم کے لیے مفید شہری ثابت ہوں۔
- اُردو زبان کا دامن صرف ادب تک محدود نہیں، اس میں تاریخ، جغرافیہ، سیاسیات، شماریات، اقتصادیات، طب، ارضیات، محاسبات، بلکہ عصرِ حاضر کے تمام علوم و فنون کا اظہار ہو رہا ہے اور ہو سکتا ہے۔ لہٰذا طلباء کو اس قابل بنانا کہ وہ جب اپنی عملی زندگی کا آغاز کریں تو مذکورہ علوم کا اپنی قومی زبان میں اظہار کر سکیں۔

حاصلاتِ تعلّم :

- طلباء بی ایس اُردو کی ڈگری کے حصول کے بعد اپنی پیشہ وارانہ صلاحیتوں کا اظہار قومی اور نجی اداروں میں کر سکیں گے۔ جن میں شعبۂ تعلیم (تدریس)، نشریاتی ادارے (ریڈیو، ٹیلی ویژن، اخبارات)، خصوصی طور پر شامل ہیں۔
- طلباء میں نہ صرف قومی خدمت کا جذبہ پیدا ہو گا بلکہ باعزت اور اچھے روزگار کی وجہ سے ان کی معاشی ضروریات بھی پوری ہو سکیں گی۔
- طلباء ادب پارے کو پڑھ کر اس کا فکری و فنّی جائزہ لے سکیں گے۔
- کسی بھی زبان کا ادب اس خطے کی تہذیب، ثقافت اور اقدار کا نمائندہ ہوتا ہے۔ لہٰذا اُردو کی تدریس کے ذریعے طالب علموں کو اپنی اقدار اور ثقافت سے روشناس کرانا بھی پیشِ نظر ہے۔
- طلباء کو اُردو زبان و ادب سکھانا اور اس کی تاریخ سے آگاہ کرنا۔
- اُردو کی مختلف نثری، منظوم اصناف اور دیگر طرزِ بیان کو پڑھ کر ان میں امتیاز، استحسان اور تنقید کر سکیں۔

Scheme of Studies

ارتباطی سمسٹر

تدریسی گھنٹے: 18	مضمون کا نام	کورس کوڈ
3-0	تاریخ زبان و ادب اُردو (حصّہ اوّل)	URD 100
3-0	افسانوی ادب (حصہ اول)	URD 105
3-0	قدیم اصناف نظم (مثنوی، قصیدہ، مرثیہ)	URD 108
3-0	تحریر و انشاء (عملی تربیت)	URD 106
3-0	ادب اور ابلاغیات	URD 110
3-0	دفتری اُردو	URD 112

پہلا سمسٹر

تدریسی گھنٹے: 17	مضمون کا نام	کورس کوڈ
2-0	Islamic Studies/Value, Ethics & Society (for Non-Muslims)	GS123/141
3-0	Introduction to Philosophy	GE 112
3-0	Functional Communication (English-I)	ENG 101
3-0	تاریخ زبان و ادب اُردو (حصّہ اوّل)	URD 100
3-0	افسانوی ادب (حصہ اول)	URD 105
3-0	تحریر و انشاء (عملی تربیت)	URD 106

دوسرا سمسٹر

تدریسی گھنٹے: 18	مضمون کا نام	کورس کوڈ
3-0	Ecosystem	GS 103
2-1	Applications of Information and Communication Technologies (ICT)	IT 107
3-0	Mathematics-I (Pre-Calculus)	MA 100
3-0	قدیم اصناف نظم (مثنوی، قصیدہ، مرثیہ)	URD 108
3-0	ادب اور ابلاغیات	URD 110
3-0	دفتری اُردو	URD 112

تیسرا سمسٹر

تدریسی گھنٹے: 16	مضمون کا نام	کورس کوڈ
1-1	Civics and Community Engagement	GE 205
2-0	Ideology and Constitution of Pakistan (Pakistan Studies)	GE 201
3-0	Introduction to Statistics	MA 210
3-0	اردو زبان: قواعد و املا	URD 204
3-0	فصاحت و بلاغت	URD 208
3-0	ادبی اصطلاحات	URD 210
2-0	Quran-e-Majeed Teaching (Audit Basis)	QT 100

چوتھا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 15
MGT 270	Entrepreneurship	3-0
ENG 209	Academic Writing	3-0
GS 324	Sociology	3-0
URD 214	جدید نظم	3-0
URD 216	تدریسِ اردو	3-0

پانچواں سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 18
EDU 307	Curriculum Development	3-0
URD 300	ترجمہ: اُصول و مباحث	3-0
URD 311	اُردو غزل (کلاسیکی)	3-0
URD 318	ادب اور سماجی علوم	3-0
URD 322	تاریخ زبان و ادب اُردو (حصّہ دوم)	3-0
URD 324	قدیم اسالیب نثر	3-0

چھٹا سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 18
MGT106	Principles of Management	3-0
URD 321	اُردو غزل (جدید)	3-0
URD 330	معاصر نثری ادب	3-0
URD 421	جدید اسالیب نثر	3-0
EDU 300	Foundation of Education	3-0
	Field Experience*	0-3

ساتواں سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 15
URD 419	افسانوی ادب (حصہ دوم)	3-0
URD 427	معاصر شعری ادب	3-0
URD 431	اقبال کا خصوصی مطالعہ	3-0
URD 435	اُصولِ تحقیق	3-0
URD 441	عالمی کلاسیک ادب	3-0

آٹھواں سمسٹر

کورس کوڈ	مضمون کا نام	تدریسی گھنٹے: 15
URD 423	اُصولِ تنقید	3-0
URD 429	لغت نویسی کا فن اور روایت	3-0
URD 437	لسانیات	3-0
GS 422	Professional Ethics	3-0
RES 490	Research Project	0-3

Field Experience (Select any one):

Course Code	Course Title	Cr. Hrs.
RES 350	Field Experience	0-3
URD 350	Teaching Practice in Urdu	0-3

ADMISSION PROCESS

1. Application/ Admission Procedure

   University offers undergraduate admissions bi-annually in the Fall and Spring Semesters (other than Nursing, Engineering and Pharmacy Programs, which are offered once a year in Fall Semester) in accordance with the following procedure:

   1.1 Admission to undergraduate programs of the University shall be advertised by the Directorate of Admissions in consultation with Concerned Heads of Departments / Directors of Institutes.

   1.2 The Candidate shall meet the eligibility criteria as mentioned against the program of interest.

   1.3 Prospectus along with admission forms are available on the website, at TCS outlets of Khyber Pakhtunkhwa, and Main Campus of the University.

   1.4 Application for admission must be made on the form enclosed within the prospectus. Photocopy or computer print will not be accepted. In case candidates apply online, they should submit hard copy of online submitted form only with all required credentials to the directorate of Admissions on or before prescribed dates mentioned in the advertisement.

   1.5 Each candidate shall submit only one application. The applicant shall clearly mention the choices of the programs of interest.

   1.6 Applications for admissions shall be submitted online through website or physically to the Directorate of Admissions within the prescribed period.

   a. Receipt of online application shall be acknowledged through text message on the cell number given in the application form.

   b. Receipt of application submitted through surface mail (by post/courier service) shall be acknowledged via text message on the cell number given in the application form.

   c. Receipt of application submitted on campus shall be acknowledged at the time of submission.

   1.7 The University reserves the right to reject any application received after due date and allotted time and/or found deficient in any respect.

   1.8 Incomplete Applications in any respect will not be considered.

   1.9 The number of students to be admitted shall be determined by the Head of Department/Director of institute in consultation with concerned Dean, Competent Authority as per allocated seats.

   1.10 Entry Test/Interview are to be conducted as per the respective Department/Institute Policy.

   1.11 Merit lists will be uploaded on the University's Website, other official social media platforms, and Directorate of Admissions Notice Board.

1.12 Two sets of attested copies of certificates, testimonials and four colour photographs (White background) should be attached with the application form.

1.13 Hard copies of the online submitted application form along with all required credentials should be submitted by the selected applicant to the Directorate of Admissions on or before prescribed dates as per advertisement.

1.14 According to merit list(s), the selected candidates shall be required to submit their original credentials to the Admissions Committee for verification. An Admissions Committee shall consider the applicants for admission to different programs on the basis of academic record, entry / aptitude test and or interview of the candidates. After successful scrutiny of the documents, the Admission Committee shall issue invoices to the selected candidates.

1.15 The admission of a candidate to a program shall initially be provisional, to be confirmed after:

i. verification of testimonials / documents,

ii. removal of course deficiencies, if any.

1.16 Applicants and their parents shall give an undertaking to abide by the Rules and Regulations of the University and such instructions as may be issued by the Competent Authority of the University from time to time.

1.17 Responsibility of correctness of the provided data in the application form shall rest upon the applicant. In case of any discrepancy or false information provided in application form/submitted documents, the admission shall be cancelled at any stage of the degree program.

1.18 In order to secure admission, the selected student shall deposit Admission Fee along with Tuition Fee of the first semester in designated branch of the authorized bank of the University by the due date given in the invoice.

1.19 Applicants with a Bachelors (2 years) or Associate Degree completed in Annual System whether their qualification is relevant or irrelevant to the subject program will be required to study a bridge semester/additional courses in order to complete at least 130 credit hours (as only 50 credit hours of their previous Annual Mode degree will be considered). In case of relevant qualification in annual mode, the concerned Department will decide the courses to be taken in the appropriate semester. In addition, candidates must have studied compulsory subjects of Islamic Studies and Pakistan Studies / Ideology of Pakistan in their Bachelors/Associate Degree, otherwise, they will be required to study these subjects at SUIT in order to overcome the deficiency.

2. Restrictions and Declarations

2.1 Candidates punished by their previous institutions or universities on account of indiscipline or undesirable activities (major penalties) shall not be admitted in the University .

2.2 The authority concerned may refuse admission to a student who, in its opinion, has malafide intentions or undesirable background.

4. Procedure for Admission of Foreign Students

Non-Pakistani candidates desirous of joining Sarhad University are required to produce the following documents:

4.1. For Provisional Admission

i. No Objection Certificate (NOC) from the Pakistan Embassy in the respective foreign country .

ii. Duly-filled HEC Admission Proforma for Foreign Candidates.

iii. Copy of valid Passport along with Visa.

iv. Photocopies of all previous educational certificates/degrees attested by the concerned Embassy and Pakistan Foreign Office.

v. Equivalence Certificate for Higher Secondary School Certificate (12-years of education) from the Inter Board Committee of Chairmen (IBCC), Plot No. 25, Street 38, G-10/4, Near Federal Government Employees Housing Foundation, Islamabad (Pakistan), Phone No: 051-9106630-36.

vi. English Language Proficiency Certificate from the Pakistan Embassy in the respective foreign country .

4.2. For Confirmed Admission

i. No Objection Certificate (NOC) from Higher Education Commission (HEC) for Admission in concerned degree program.

ii. Study VISA for concerned degree program.

5. Admissions Committee

The following Admissions Committee is responsible to process admissions of all undergraduate programs:

a. Head of the concerned Department / Director of the concerned Institute.

b. One senior faculty member, other than Lecturer, to be nominated by the Dean of the concerned Faculty.

c. Director Admissions.

IMPORTANT RULES & REGULATIONS

1.1 Enrolment in Semester / Term

a. At the beginning of each semester/ term, a student must enroll in courses of studies on the prescribed enrolment form.

b. The enrolment shall not be deemed complete unless a student makes payment of all prescribed fees and submits the course enrolment form.

c. Enrolment and fee payment shall be completed by the dates notified for this purpose, provided the authority concerned may, in special circumstances and on the payment of a late fee of Rs. 5,000/-, permit a student to enroll within 3 weeks after the commencement of a semester/ term. This permission of late admission/ enrolment shall be at the student's risk who shall be responsible to make up for the deficiency on his/her own.

d. A student admitted to a program shall, for so long as he/she has not completed all requirements for the degree, enrol himself/ herself for each semester/ term, failing which his/her admission shall stand cancelled. In case he/she desires readmission, he/she shall have to apply afresh. The concerned authority may re-admit such a candidate, or refuse admission if reasons advanced are not convincing.

e. A student who discontinues with permission may seek readmission in the same or subsequent semester/ term on the recommendations of the concerned faculty/ department/ institute and approval of the Competent Authority.

f. A student shall not be allowed to enrol in a course having a pre-requisite course unless he/she passes that pre-requisite course.

g. Course Audits: Students enrolled at Sarhad University may, on recommendations of their advisors/ tutors and approval of the concerned Dean/ Head of Department / Director of Institute, audit courses. Such students shall not receive any credit for the courses taken on audit basis. In order for a successful audit to show on a student's academic record (transcript), the student shall comply with all requirements specified by the teacher/ concerned department. Failure in meeting such requirements may lead to award of letter grade W (for withdrawn). Successful audit shall be indicated by letter grade V (for verified). Students registering for courses on audit basis shall pay tuition fees at the regular rate.

h. In some programs, the theory and lab components are treated as separate courses. In such a case, if the theory component of a course (say Level I) is pre-requisite for the next higher course (Level II), enrolment in theory and lab components of Level II course shall be allowed only if the theory component of Level I is passed. A student who has failed theory of Level I, but passed lab of Level I shall neither be allowed to enrol in theory nor lab of Level II.

i. The courses will be offered subject to the availability of the faculty and reasonable number of students.

1.2 Freezing of Semester/Term

a. A bonafide student of the University may apply in person, or through parents/ guardian, for freezing of a regular semester, within five weeks from the date of commencement of semester, provided the student has paid the semester dues by the prescribed date. No fee shall be paid when the student subsequently enrols in the next semester except for the difference of fee of the semester frozen and the semester in which the student enrols.

b. If a student freezes semester(s), he/she shall resume his/her studies from the same stage where he/she left (froze).

c. If a student is not enrolled in any course in a semester, he/she shall not be considered a regular student of the University in that period. The student may then enrol in the courses in a subsequent semester; however, he/she shall meet pre-requisites of any course taken. Further, the University is not required to offer all courses in each semester.

d. In special hardship cases, the University may develop any criteria for freezing a semester with the prior permission of

the Competent Authority. Medical certificate shall be duly issued by Government Hospital Doctor/ Physician.

e. The duration of freezing is one year; a candidate who gets a semester frozen can get readmission next year with the upcoming session.

f. Freezing of first semesters shall not be allowed.

g. Under special hardship circumstances, freezing of first semester may be considered with the approval of the Competent Authority.

. Iddat
. Maternity
. Death in the immediate family
. Any other situation, subject to acceptance on justified rationale.

Note: Freezing of semester shall only be allowed after successful completion of 1st Semester.

2. Cancellation of Admission

Admission shall be cancelled if:

1.1 A bonafide student of the University applies in person, or through parents/guardian, for cancellation of admission on a non-judicial stamp paper , duly attested by an Oath Commissioner . The Vice Chancellor shall cancel the admission of the student on the recommendation of the Head of Department / Director of Institute through the concerned Dean.

1.2 A student registered in a semester/term remains willfully absent from the classes continuously for a period of 40 days. Such action shall be taken on the recommendation of the Head of the concerned Department.

1.3 If a student enrolls himself / herself in any other program of Sarhad University or some other University/DAI while registered at Sarhad University , his / her admission shall be cancelled immediately .

1.4 On the recommendation of the University Disciplinary/ Un Fair Means Committee the admission can be cancelled with the approval of the Vice Chancellor. However, the concern student can appeal to the Appellate Committee through proper channel.

3. Re-Enrolment

3.1 Semester System

a. A student receiving F or W grade in any course shall be required to re-enrol in that course. A student receiving C, D or D+ grade in a course may also re- enrol in that course, subject to a maximum of one chance to improve his/her grade.

b. A department may offer Repeated Courses (over and above the regularly scheduled courses with total credit hours not exceeding 18 for two/ four-Year degree programs and 22 credit hours for five-year degree program) during a regular semester to facilitate re-enrolling students. However, minimum number of students re-enrolling shall be 10; otherwise, the course shall be dropped.

c. A student may re-enrol for a maximum of 2 courses during the Summer Semester. During a regular semester (Spring/Fall), a student may re-enrol for a course (in addition to the prescribed courses) on the payment of prescribed fee provided the maximum credit hours limit is not violated.

d. If a course is abolished due to revision in curriculum or scheme of studies, the Head of Department / Director of Institute may recommend a relevant course from the existing curriculum as replacement for the

candidates who need to re- enrol in the abolished course. The same shall be reflected in the students' Registration Forms and Transcripts.

3.2 Term System

a. A student receiving F grade in any course shall be required to re-enrol in that course. A student receiving up to 64 marks in a course may also re-enrol in that course, subject to a maximum of one chance to improve his/her marks.

b. A department may offer Repeated Courses (over and above the regularly scheduled courses and total courses not exceeding 7) during a regular term in order to facilitate the students. However, the number of re-enrolment students must be at least 5 or with the approval of the Dean on the recommendation of the Head of Department / Director of Institute. Otherwise, the course shall be dropped.

c. During a regular term a student may re-enrol for courses (in addition to the prescribed courses) on the payment of the prescribed fee provided the maximum limit of courses is not violated.

d. If a course is abolished due to revision in curriculum or scheme of studies, the Head of Department / Director of Institute may recommend a relevant course from the existing curriculum as replacement for the candidates who need to re-enrol in the abolished course. The same shall be reflected in the students' Registration Forms and DMCs.

4. Payment of Dues

At the time of admission, every student shall be required to deposit admission fee, registration fee, security, semester / term enrolment fee, tuition fee, examination fee, lab/chemical charges, and any other fee prescribed in the form of demand draft in the name of Sarhad University Peshawar, or deposit it at specified branch(es) of an authorized bank.

Similarly, for each subsequent semester/ term, dues shall be paid by the prescribed dates. Otherwise, the admission shall be cancelled.

5 (a) Semester System

a. Sarhad University follows the semester system. There are two semesters (Fall and Spring) every year. Each semester is spread over 18 weeks (including examinations). At the end of each semester, two to three weeks are allowed for the compilation of results. Students promoted to the next semester have to complete their enrolment during the first week of each semester. Admissions are announced in August for the Fall semester usually commencing in October/November, whereas admissions for the Spring semester are announced in February. The Spring semester usually commences in April each year.

b. The University may plan a crash semester (Summer Semester) of eight weeks during the summer break. Students who are interested to reappear and clear their failed courses / or want to improve grade shall be afforded the opportunity to do so during the Summer Semester. A student shall be allowed to take maximum two courses during the Summer Semester.

c. While all degree programs have their specific durations, number of courses, and credit hour requirements, in general, a four-year degree program requires the completion of about 130 credit hours usually in eight semesters, whereas a two-year degree program requires the completion of more than 66 credit hours, usually in four semesters.

d. By definition, a credit hour means teaching a theory course for one hour each week throughout the semester (provided the semester duration is at least 16 weeks excluding examinations). One credit hour in laboratory or experimental work requires contact of three hours per week throughout the semester. The

credit hours are denoted by two digits with a hyphen in between. The first digit represents the theory part, whereas the second (right side) digit represents the practical. Thus, 3-0 means three credit hours of theory, whereas 3-1 means a total of four credit hours, of which three credit hours are for theory and one credit hour is for laboratory. The weekly contact hours of a 3-0 course shall be three, the contact hours of a 3-1 course shall be six, and the contact hours of a 1-2 course shall be seven. The contact hours during the crash (Summer) semester shall be doubled to ensure that the course is completely taught in the semester with half the duration as compared to a regular (Fall or Spring) semester.

e. (I). In accordance with the directive of the Government of Pakistan issued vide HEC Letter No. HEC/Curr/SR-533/2023/4520, teaching of the Holy Quran to Muslim Students will be completed during the course of each program.

(ii). Those students will be exempted from the above condition who have already studied Holy Quran previously, subject to submission of any relevant certificate / diploma issued by Wifaq Ul Madaris Al Arabia, Pakistan / DAI.

5(b) Term System

a. In the Term System, examination is conducted within six months. Thus, two term examinations are conducted in a year. Evaluation of the students is made on the basis of these two examinations.

b. (I). In accordance with the directive of the Government of Pakistan issued vide HEC Letter No. HEC/Curr/SR-533/2023/4520, teaching of the Holy Quran to Muslim Students will be completed during the course of each program.

(ii). Those students will be exempted from the above condition who have already studied Holy Quran previously, subject to submission of any relevant certificate / diploma issued by Wifaq Ul Madaris Al Arabia, Pakistan / DAI.

6. Withdrawal/Change of Course(s)

a. When a course, for which a student has enrolled, cannot be offered according to the announced program, the student may take an alternative course. However, this shall be done no later than 15 days after the date of enrolment.

b. A student, with the consent of the concerned Dean/ Head of Department/Director of Institute, may be allowed to:

(i) Change a course within 7 days of the commencement of a semester/ term, and

(ii) Drop a course within 5 weeks of the commencement of a regular semester/ term. No fee shall be paid when a dropped course is taken at a later stage.

c. A student, with the consent of the concerned Dean/ Head of Department/Director of Institute, shall be allowed to withdraw from a course at the latest by the end of the 12th week of the commencement of a regular semester/ term. Withdrawn courses shall appear on the transcript with letter grade W. Students shall have to pay the requisite fee when taking a course from which they had withdrawn earlier.

7. Attendance

a. A student at the Main Campus shall have attended at least 75% of the classes held in a course in order to be allowed to sit in the final examination. The student shall meet higher attendance requirement if the requirement established by the concerned council is greater than 75 %.

b. A student having less than 75% attendance, but more than 60% attendance in a particular course and having made up the deficiency in consultation with the concerned teacher, may be allowed by the concerned Dean/ Head of Department/Director of Institute to take the final examination. This clause is not applicable if the attendance requirement established by the concerned council is greater than 75%.

c. Students having class attendance less than 60% in a particular course shall be required to repeat the course when it is

offered again.

8(a) Examinations (Semester System)

a. At the Campus, the examination papers for the midterm and final examinations shall usually be set by the subject teacher and submitted to the Head of Department / Director of Institute. The Head of Department / Director of Institute may decide to have the papers set externally. In any case, the Head of Department / Director of Institute shall check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. Otherwise, the Head of Department / Director of Institute shall refer the paper back to the paper setter for revision.

b. In each semester, a student's academic progress and standing shall be determined through quizzes, midterm and final examinations, presentations, assignments, and lab reports. These modes of evaluation shall have different weightages and shall contribute towards the overall assessment in percentage marks. The weightages shall be determined by the teacher concerned on the basis of the following guidelines:

Nature of Evaluation	Course with Lab	Theory Course	Lab
Quizzes	5 – 10 %	5 – 15%	---------
Midterm Examination	20 – 30%	30 – 40%	15 – 20%
Presentations and Assignments	5 – 10%	5 – 10%	---------
Lab Work	----------	----------	25 – 30%
Viva	----------	----------	15 – 20%
Report	----------	----------	0 – 10%
Final Examination	30 – 60 %	35 – 60 %	20 – 30 %

c. In-semester evaluation will be based on quizzes, midterm examination, presentations and assignments, and lab work.

d. In case a student joins a course after it has started, he/she shall be responsible for any missed lectures, quizzes, assignments, projects and lab work. The marks in the missed quizzes shall be zero, whereas assignments, projects, and lab work may be arranged in consultation with the concerned teacher/Head of Department / Director of Institute.

e. No make-ups shall be arranged for the quizzes and midterm examinations.

f. Make-up for the final examination in a course shall be arranged only if a student has been awarded letter grade I in that course.

8(b) Examinations (Term System)

At the campus, the examination paper for midterm and final examinations shall usually be set by the subject teacher and submitted to the Head of Department / Director of Institute. The Head of Department / Director of Institute may also decide to have the papers set externally. In any case, the Head of Department / Director of Institute shall check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. The Head of Department / Director of Institute may refer the paper back to the paper setter for revision. In each term, students shall be required to appear in quizzes, written tests, final examination, and make presentations, participate in group discussions and submit assignments/lab reports by the set dates. These (to be determined by the teacher concerned) shall have different weightages and contribute towards the overall assessment in percent marks.

9(a) Grading Policy (Semester System)

a. At the end of each semester, the students shall be awarded letter grades A, B+, B, C+, C, D+, D, or F based on the

percent marks earned in each course. Letter grades W (for withdrawal), I (for incomplete), S (for satisfactory), U (for unsatisfactory), V (for verified) shall not count towards GPA computation. The grade points corresponding to these grades are:

Percent Marks	Letter Grade	Grade Point	Remarks
85 - 100	A	4.00	Excellent
78 - 84	B+	3.50	Outstanding
70 - 77	B	3.00	Good
65 - 69	C+	2.50	Above Average
60 - 64	C	2.00	Average
55 - 59	D+	1.50	Below Average
50 - 54	D	1.00	Poor but Passing
< 50	F	0.00	Failing
-	I	-	Incomplete
-	W	-	Withdrawn
-	S	-	Satisfactory
-	U	-	Unsatisfactory
-	V	-	Verified

b. The Dean/ Head of Department / Director of Institute of the concerned Faculty/ Department/ Institute may decide to use curving for the award of letter grades instead of using fixed percentages tabulated above.

c. Seminars and field-work shall be graded Satisfactory (S) or Unsatisfactory (U) instead of letter grades carrying numerical values.

d. Courses taken on Audit Basis shall show up on the transcript with letter grade V (for verified) and shall not contribute towards GPA computation.

e. A student, who fails to complete a course for reasons beyond his/her control, may be granted letter grade I. In that case, if the student has secured passing marks in the in-semester evaluations, his/ her make-up final examination shall be conducted to enable him/ her to complete the course and earn a grade. In case, the student has not been able to appear or has failing marks in the in-semester evaluations and is not in shortage of attendance, he/ she shall have to take the course again. The letter grade I shall subsequently be replaced by the earned grade.

f. Students receiving F grade in any course shall have to repeat the course whenever it is offered again. A student obtaining a D or D+ grade in a course may also repeat that course, if necessary, to improve his/her CGPA. In case of repeated courses, all grades earned by the student shall appear on the transcript; however, only the best grade shall be counted for computation of GPA.

g. A student not allowed to appear in the final examination of a course due to shortage of attendance shall be deemed to have obtained zero marks in the final examination. The grade shall be awarded based on the student's sessional and midterm examination marks.

9(b) Grading Policy (Term System)

Grades	Percent Marks	Remarks
A+	80% Marks and above	Distinction
A	70% and above but below 80%	Excellent
B	60% and above but below 70%	Very Good
C	50% and above but below 60%	Good
D	45% and above but below 50%	Fair
E	Less than 45% to minimum	Satisfactory

10. Computation of Semester and Cumulative GPA

Semester and cumulative Grade Point Averages (GPAs) shall be calculated using the following relationships: The GPAs shall be on a scale of 4.00. The semester GPA shall have three digits after decimal (e.g., 2.835), whereas the cumulative GPA will have two digits after decimal (e.g., 2.84).

$$GPA = \frac{\text{Sum over Semester (Course Credit Hours x Grade Points Earned)}}{\text{Total Semester Credit Hours}}$$

$$CGPA = \frac{\text{Sum over all taken (Course Credit Hours x Grade Points Earned)}}{\text{Total Credit Hours Taken}}$$

10(a) Transcript (For Semester System)

Provisional transcripts shall be issued to all students free of charge within four weeks of declaration of semester result. Official transcripts shall be issued on the completion of the degree program or on request, provided the requisite fee is paid. Additional copies of the transcripts may also be obtained on the payment of the requisite fee. Mode of education, (i.e. On- campus/Distance/Sub campus) and place of study shall be mentioned on the transcript.

10(b) DMC (Detailed Marks Certificate) (For Term System)

Provisional DMC shall be issued to all students free of charge within four weeks of declaration of term results. Official DMC shall be issued on the completion of the degree program or on the payment of the requisite fee. Additional copies of the DMC may also be obtained on the payment of the requisite fee. Mode of education (i.e. On-campus/Distance/ Sub campus) and place of study shall be mentioned on the transcript.

11 (a) Promotion Policy (For Semester System)

a. Students who maintain minimum semester and cumulative GPAs of 2.00 shall be promoted to the next semester. Students of Pharm-D / BS Nursing program with CGPA 2.0 shall be promoted to the next professional year.

b. A student who fails to maintain the above-mentioned GPA/ CGPA shall be promoted to the next semester on Probation, provided his/her semester and cumulative GPAs are not less than 1.50 (Not applicable for Pharm-D / BS Nursing students).

c. A student scoring GPA less than 1.50, but more than 1.00, shall be promoted on Warning. If a student fails to achieve the required GPA/ CGPA after repetition of courses, he/she shall be removed from the University roll.

d. A student scoring GPA less than 1.00 shall be declared Failed and shall be required to repeat the semester

(essentially the courses in which he/ she has grades lower than C). The student may be allowed to take a few courses from those of the next semester. If a student fails to achieve the required GPA/ CGPA after repetition of courses, he/she shall be removed from the University roll.

e. Students shall show satisfactory academics progress in order to remain in good standing. The following rules are meant to ensure that students get timely feedback on their academic progress:

I. A student who obtains SGPA of less than 2.0 in any semester shall be issued written warning by the Head of Department / Director of Institute. A copy of the warning letter shall be also sent to the parents/guardian.

II. A student who obtains SGPA of less than 2.0 for three consecutive semesters and his/her CGPA is also less than 2.0 shall have his/her name struck off the rolls of the university and may be readmitted with the junior batch. A written warning of this possibility shall be sent to the student (with copy to the parents/guardian) if his/her SGPA is less than 2.0 for two consecutive semesters.

III. A student whose CGPA in the first two semesters is less than 1.5 shall not be allowed to register for the third semester until his/her CGPA has improved to 1.5 or more through reappear.

IV. A student who has earned four or more F grades in the first two semesters and these F grades are still outstanding at the end of the 4th semester with CGPA less than 1 shall not be allowed to register in the 5th semester until he/she passes these courses and improve CGPA to 1.5 or more.

11 (b) Promotion Policy (For Term System)

A student shall be promoted to the next term if he/she passes at least 50% courses.

12. Final Year Project

As part of most of the degree programs, students need to complete projects individually or in groups of size not exceeding three.

Title of the proposed Project:

Title should be a crisp phrase. It should neither be too lengthy nor too brief. It must not include name of some organization or individual.

Example: Software Development for Airline Booking System.

Outline of Proposal:

Give details of major objectives and arguments to justify the project. Provide description of approach/scheme/methodology that is intended to be used for the development of this project.

Duration of Project:

For a four-year degree program, the project shall be completed in two semesters, 7th and 8th. Those pursuing one- or two-year degree program may take project during their last semester. The students shall provide a tentative schedule along with the project break down structure.

Plagiarism policy for undergraduate Final Year Project:

Students must make sure that document they are submitting is in proper documenting style (i.e., IEEE, Chicago, MLA, APA, etc.) and is free of plagiarism.

If the research project report has a similarity index <=30%, then the benefit of the doubt may be given to the author, but, in case, any single source has a similarity index >=5% without citation, then it needs to be revised.

A Project Evaluation Committee, constituted by the Head of Department, shall assess the progress of the project through four presentations by students, each carrying 5% marks. In the first presentation, students shall present the project proposal on prescribed format, whereas in the other presentations, progress reports shall be presented. The presentations shall be scheduled as follows:

First Presentation:	Second week of 7th semester.
Second Presentation:	Midterm exam week of 7th semester.
Third Presentation:	Final exam week of 7th semester.
Fourth Presentation:	Midterm exam week of 8th semester.

The viva voce shall be taken by an Departmental Committee comprising the External Examiner, Project Supervisor of the concerned group, and Head of the concerned Department. Each member shall award marks out of 15% making a total of 45% marks. The Examination Committee shall be appointed by the Vice Chancellor on the recommendation of the Head of the concerned Department.

Note: The evaluation of project shall be carried as follows:

Factors on the basis of which the advisors shall rate progress during the project phase:

- Progress
- Independence of work
- Ingenuity
- Overall Learning
- Complexity

Factors on the basis of which Project Reports shall be evaluated:

- Grammar
- Style
- Report Format
- Problem Statement
- Scope and Limitations
- Procedure
- Raw Data / Computer Code (Report and Diskette)
- Theoretical Background and Sample Calculations
- Graphs and Pictures
- Discussion on Results and Conclusions
- Recommendations
- Overall Learning

Factors on the basis of which Presentation shall be evaluated:

- Project procedure stated briefly and to the point i.e. presentation style and skill
- Continuity and clarity of thought reflected
- Requirements and importance of work clearly specified
- Difficulty level of the project
- Conclusions drawn well-explained
- Technical terms used in talk well-defined and correct
- Answers given to the questions put forward by the Examiner(s)

13. Program Completion & Graduation

a. For graduation, all F grades have to be cleared. Besides, the minimum qualifying CGPA for undergraduate program students is 2.00/4.00. Faculties/ departments/institutes may impose additional requirements like satisfactory completion of internship, practical training, field work, seminars etc.

b. To earn B.Sc Engineering Degree, a student shall:

i. Pass all courses of study prescribed in the relevant scheme of studies.

ii. Obtain a Cumulative Grade Point Average (CGPA) of at least 2.00.

iii. Complete Survey Camp by the BSc Civil Engineering students to be conducted by the University and certified by the Head, Department of Civil Engineering/Incharge Survey Camp).

c. Engineering students shall carry out supervised and evaluated internship of 6-8 week duration in line with elective subjects/ specific stream in the 3rd to 4th year of the engineering program. The internships shall be reflected in the transcripts under a prescribed mechanism and with defined and mapped rubrics program objectives:

- Attendance (At least, 75% attendance is mandatory) 10%
- Assessment report from the employer 50%
- Evaluation at relevant HEI/ Department - Presentation 40%
- Total 100%
- Qualifying score in the above assessment 70%

d. Similarly, Pharm-D students need to meet the clerkship requirement as outlined by their department.

14.1 Transfer of Credits

a. The policy regarding the acceptance of courses by transfer is to allow credit for courses completed with letter grades C or better (usually, 60% or higher marks) in other recognized Universities.

b. The transfer student shall file an official transcript of transfer courses and provide other relevant information (course contents/ outlines/ titles of text and reference books) enabling the University to award credit.

c. An Equivalence Committee comprising three senior faculty members shall oversee such cases. The University may co-opt someone from outside, if necessary. The Committee shall ensure that:

I. the courses correspond in time and content to the courses offered at Sarhad University,

ii. the courses being considered for transfer were taken within the last five years.

iii. the semester duration matches with that of Sarhad University. Thus 16 credit hours taken in a quarter (10 weeks of teaching) shall be considered equivalent to 10 credit hours of a semester of 16 weeks of teaching.

d. In no case, the transfer credits shall exceed 50% of the overall credit hours for any degree program of interest at Sarhad University.

e. Applicants shall have to pay the prevalent credit transfer fee.

f. Transferred /exempted courses shall be reflected on the transcript, but shall not count towards CGPA computation.

g. Any student taking admission in BS Program after completing 14 years of education under Annual System shall receive 50 credit hours against first 2 years of his/her BS Program and will be required to complete remaining credit hours as per scheme of studies of concerned BS Program to earn 4 years Bachelor degree.

14.2 Exemption Policy

a. The policy regarding exemption of courses is to allow credit for courses completed with letter grades C or better (usually, 60% or higher marks) in other recognized Universities.

b. The applicant shall file an official transcript of courses previously taken and provide other relevant information (course contents/outlines/titles of text and reference books) enabling the University to award credits.

c. An Equivalence Committee comprising three senior faculty members shall oversee such cases. The University may co-opt someone from outside if necessary. The Committee is to ensure that:
   i. The courses correspond in time and content to the courses offered at Sarhad University,
   ii. For courses that were taken more than five years back, the contents are still valid and match with those currently being taught.
   iii. The semester duration matches with that of Sarhad University. Thus, 16 credit hours taken in a quarter (10 weeks of teaching) shall be considered equivalent to 10 credit hours of a semester of 16 weeks of teaching.

d. In no case, the credits of exempted courses shall exceed from 50% of the overall credit hours for any degree program of interest at Sarhad University.

e. Applicant shall have to pay the prevalent course exemption fee. Transferred/Exempted courses shall be reflected on the transcript, but shall not count towards CGPA computation.

15. Library

The University has a spacious library with adequate and comfortable seating. It is run by a qualified librarian, and is well-stocked with several thousand books and journals. The following rules, subject to change/ modification by the Library Committee of the University, shall be followed:

a. A card, known as Library Card, shall be issued to each student/person permitted to borrow books from the library. Such cards shall be strictly non-transferable and shall have to be presented at the time of using Library facilities.

b. A borrower who loses his/her card shall immediately inform the Librarian in writing. A duplicate card shall be issued to him/her on the payment of fee of Rs. 500/-.

c. Books shall be issued to the students and staff of Sarhad University of Science & Information Technology, Peshawar, only.

d. Books shall not be transferred from one person to another.

e. If a person obtains more than one membership by concealing the facts or in any other way, his/her subsequent membership(s) shall be cancelled and a fine of Rs. 500/- shall be levied for further usage of the library facilities. No Books shall be issued to a defaulting borrower, unless he/she returns the books borrowed previously and pays the due fine.

f. The borrower who fails to return books at the time of stock-taking shall be liable to fine as decided by the Library Committee.

g. Manuscripts, reference books as well as reserved materials shall not be issued.

h. The borrowers shall have to conduct themselves in an orderly manner. The library administration shall have the right to cancel the membership of a person who misbehaves with the library staff or is found taking away the books/reading material without the knowledge of the Librarian or is involved in such activities which are detrimental to the interest of the library. The library administration can also recall a book, if needed, and the borrowers shall be required to meet any such demand.

16. Laboratories

Sarhad University has modern laboratories with large number of computers and related training tools, in all laboratories and project labs. Students of the University shall observe the following rules.

a. All laboratories shall remain open during the office hours. After office hours, permission may be granted for laboratory use under special circumstances.

b. No software shall be installed on laboratory PCs without the prior, written consent of the System Administrator/ Laboratory In-charge.

c. Students shall be allowed to use internet in a laboratory when no class is in progress.

d. All laboratories provide no-smoking environment and hence all are expected to refrain from smoking.

e. Viewing obscene material in the laboratories is strictly prohibited and disciplinary action shall be taken against offenders.

f. In case of technical problem, Laboratory In-charge should be immediately approached.

17. Award of University Gold Medal

Gold Medals shall be awarded to students who fulfil the following conditions:

a. Pass all University examinations in the first attempt and complete the course work and research project work along with other requirements of internship/course of Quran-e-Majeed Teaching etc in the prescribed number of semesters/ terms / years.

b. Secure CGPA of at least 3.00 on a scale of 4.00 in Semester System or 1st division in Term/Annual System.

c. Secure Highest CGPA in his/her discipline. In case of tie between two or more students, aggregate marks obtained in all examinations shall form the basis. If still there is a tie, more than one Gold Medal shall be awarded.

d. Transferred/ migrated student(s) or those who improve their grades by appearing in makeup or regular examinations shall not be entitled for award a Gold Medal.

e. Candidate in any discipline or UFM case by the University or Disciplinary Committee or Unfair Means Committee.

18. Rechecking / Re-Totalling

Any student, who is not satisfied with his/her marks /grade in a course may apply for rechecking within 15 days of the declaration of result. Application for rechecking shall be accepted on payment of registration dues (Rs. 1000/- per course). Initially, only re-totalling shall be performed and the paper examined for any unchecked/unmarked portion. If some portion is found unchecked, the paper shall be sent to the concerned grader for rechecking/ re-marking. In case the students marks are enhanced as a result of rechecking/ re-totalling, the fee paid by him/ her shall be refunded.

19. Conduct & Discipline Regulations

a. These regulations framed as under may be called “The University Students/Scholars Conduct and Discipline Regulations”. The University Discipline Committee constituted by the Vice Chancellor shall have the authority and jurisdiction to deal with and decide all cases of indiscipline in accordance with the University Students/Scholars Conduct and Discipline Regulations.

b. Applicability and Commencement: These regulations shall apply to all students on the rolls of the University.

c. Students, Code of Conduct: Every student shall observe the following code of conduct:-

i. Faithfulness in his/her religious duties and respect for the convictions of others in matters of religion, conscience and customs.

ii. Loyalty to Pakistan and refraining from doing anything which might lower its honour and prestige in any way.

iii. Truthfulness and honesty in dealing with others.

iv. Respect for elders and politeness to all, especially to women, children, old people, weak, deformed and the helpless.

v. Respect for teachers and others in authority in the University.

vi. Cleanliness of body, mind, speech and habits.

vii. Helpfulness to fellow beings.

viii. Devotion to studies and sports.

ix. Protection of public and private property.

d. Prohibited Acts

The students shall refrain from:

i. Smoking and use of mobile phone in classrooms, laboratories, workshops, examination halls, Convocation Hall, and during study and academic functions.

ii. Using or carrying alcoholic drinks or other intoxicating drugs within the University campus/ University hostels, during instruction, sports/cultural tours, survey camps, entering such places, attending any such tour camp while under the influence of such intoxicants, and any other University/College functions outside the Campus.

iii. Organizing or taking part in any function within the University campus or hostel, or organizing any club or society of students or students' associations, unions and federations, except in accordance with the prescribed rules and regulations.

iv. Collecting any money, receiving funds or pecuniary assistance for, or on behalf, of the University, except with the written permission of the Vice Chancellor.

v. Staging, inciting or participating in any walk-out, strike, or other form of agitation against the University or its teachers or officers, inciting any one to violence, disruption of the peaceful atmosphere of the University in any way, making provocative speeches or gestures which may cause resentment, issuing of pamphlets or cartoons casting aspersions on teachers or staff or the University or University's bodies, or doing anything in anyway likely to promote rift and hatred among various groups or castes of student community, issuing statements in the press making false accusations or lowering the prestige of the University or writing and pasting posters on the walls.

vi. Bringing, carrying and keeping of fire arms or any other weapon (of any nature/type) forbidden by law, within the University Campus, class rooms, hostels and offices.

vii. Causing damage to University property or Government public property.

viii. Use of loud speakers, mega-phones, “decks” etc.

e. Acts of Indiscipline

A student shall be deemed to have committed an act of indiscipline if he/she:

i. Commits a breach of rules of conduct specified above, or

ii. Disobeys the lawful order of a teacher or other person in authority in the University, or

iii. Habitually neglects his work or habitually absents himself/herself from his/her class without valid reason, or

iv. Wilfully damages University (or) public property or the property of fellow students or any teacher or any employee of the University, or

v. Does not pay the fees, fines or other dues payable under the University Regulations and Rules, or

vi. Uses indecent language, wears immodest clothes, makes indecent remarks or gestures, or behaves in a disorderly manner, or commits any criminal, immoral or dishonourable act (whether committed within the University Campus or in University-organized events) or any act which is detrimental to the interest of the University.

f. Procedure in Case of Breach of Discipline

The Registrar may refer an act of indiscipline to the University Discipline Committee for necessary action under the Rules/Regulations.

g. Rustication and Expulsion

I- Rustication

a. Rustication, whenever imposed on a student, shall always mean the loss of one semester or one academic year as well as appearance in a University examination. The rusticated student may be readmitted in the same program of the University on the expiry of the rustication period.

b. Such students shall become ineligible to take admission in any program of the University in future.

ii- Expulsion

a. The period of expulsion shall be counted from the date of issue of such a notice by the University. Expulsion period may vary.

b. Name of the expelled scholar shall immediately be removed from the University's rolls.

c. A student expelled from a Department may be re-admitted into the same program after the expiry of the period of expulsion.

d. Cases of expulsion shall be registered in the University and notified to all Departments and Universities by the Registrar.

e. Such students shall become ineligible to take admission in any program of the University in future.

h. Appeal

i. An appeal against the punishment awarded by the University Discipline Committee may be made to the Appellate Committee

ii. No appeal by any student against the decision of the University Disciplinary Committee shall be entertained unless it is presented within thirty days from the date on which the decision is communicated to him/her.

Note: This code of conduct shall repeal all previous regulations relating to expulsion and rustication or any other instructions relating to the maintenance of discipline among the students.

I. General

i. The authority which has the power to rusticate, can also withdraw the same order before the expiry of the period.

ii. No student shall be rusticated/expelled from the University unless he/she has been served with the Show Cause Notice, and allow reasonable time for explanation and replying to the charges framed against him/her.

iii. The Discipline Committee may impose any other penalty or penalties mentioned in the Regulations if, in its opinion, the rustication or expulsion is not called for in a case referred to it.

20. Clinical Practice

All courses in which clinical practice/ training is required, will be conducted in the following manner:

Activity Type	Duration	Location	Remarks
Theory + Practical	4 Weeks	University	First Half of Course to be covered before Mid Examinations
*Clinical Practice / Training	4 Weeks	Hospital	Relevant Clinical Practice to be completed before Mid Examinations
Mid Examinations	1 Week	University	To be conducted as per University rules.
Theory + Practical	4 Weeks	University	Second Half of Course to be covered before Final Examinations
*Clinical Practice / Training	4 Weeks	Hospital	Relevant Clinical Practice to be completed before Final Examinations
Final Examinations	1 Week	University	To be conducted as per University rules.

* It is recommended to complete Clinical Practice / Training as per prescribed manner in each semester. However, the same will be arranged as per confirmation by the designated hospitals in each semester.

21. Demotion

In case the student does not satisfy the promotion criteria mentioned in clause 11(a), will get demoted. The HoD shall constitute a committee comprising three senior faculty members which shall oversee such cases. The department may co-opt any university official, if necessary. The Committee shall ensure the following:

i. Identify the batch/ prospectus under which the concerned student shall continue his/ her degree.
ii. The scheme of studies indicating all courses and credit hours to be studied by the student to complete degree requirements.
iii. The degree completion requirements after demotion shall be communicated to the student concerned as well as all relevant sections/ departments of the university after the approval of the Competent Authority.

22. Internship

i. Engineering Degree Programs
As per PEC's requirement, supervised and evaluated internship of 6-8 week duration in line with elective subjects/ specific stream in the 3rd to 4th year of the engineering program is mandatory. (Details are given in Section 18c of the Rules and Regulations.)

ii. Four-Year Degree Programs (Non-Engineering)
Students are encouraged to undergo internship program of at least 9-week duration at any time after the completion of fourth semester, generally during summer. (A graduate of the AD program who enrolls subsequently in a BS program shall receive credit, if earned during his/ her AD program, towards the fulfilment of internship requirement for the BS program.)

23. Practical Learning Lab (PLL)

i. Four-Year/ Five Year Degree Programs
Students are encouraged to enroll in at least one non-credit co-curricular program for at least 4 hours per week for at least 4 semesters in one or more of the following three areas: entrepreneurship, youth clubs, and sports. (A graduate

of the AD program who enrolls subsequently in a BS program shall receive credit, if earned during his/ her AD program, towards the fulfilment of the PLL requirement for the BS program.)

ii. Two-Year Associate Degree Programs
Students are encouraged to enroll in non-credit co-curricular program for 4 hours per week for 2 semesters in one or more of the following three areas: entrepreneurship, youth clubs, and sports.

iii. The PLL may be completed by taking part in the following societies of the university:

S. No	Name of Society	Convener / Focal Person
1	Drama, Literary and Debating Society	Engr. Muhammad Faisal Khan, Assistant Professor, Department of Technologies.
2	Health Society	Dr. Inayatullah, Lecturer, SIAHS.
3	Pakistan International Human Rights Organization (SUIT Chapter)	Dr. Syed M. Hassan Shah, Professor, Department of Pharmacy.
4	Sports Society	Dr. Irfanullah Head, Department of Sports Sciences & Phy. Education.
5	Science & Technology Society	Engr. Muhammad Fahim, Assistant Prof., Department of Electrical Engineering.
6	Society for ICT Affairs and Incubation Center	Mr. Maddad Khan, Assistant Professor, Department of Computer Science & IT.
7	Character Building Society	Dr. Muhammad Kamran Khan Assitant Professor, Department Computer Science & IT.
8	Green Club/ Environmental Protection Society	Prof. Dr. Habib-Ur-Rahman Associate Dean, Faculty of Management Sciences.
9	Community Services Society	Mr. Muhammad Arshad Haleem Assistant Professor, Department of English
10	Islamic Value and Ethics Society	Engr. Dr. Obaid-ur-Rehman Associate Professor, Department of Electrical Engg.
11	SUIT Volunteers & Blood Donors Society	Engr. Akif Shah Assistant Registrar (Student Affairs / Security).
12	Library and Book Sharing Society	Syed Arif Ali Shah Assistant Professor, Department of Library & Info. Sciences.

S. No	Name of Society	Convener / Focal Person
13	Society for Women in Science & Education	Ms. Asmarah Kanwal Assistant Professor, Department of Civil Engineering.
14	Girls Affair Society	Ms. Nasreen Ghani Professor, Institute of Nursing Sciences.
15	Photography & Film Making Society	Mr. Muhammad Bilal Lecturer, Department of Urdu.
16	Iqbalians Society	Dr. Muhammad Imtiaz Associate Professor, Department of Urdu.
17	Painting & Fine Arts Society	Ms. Faiza Hassan Head, Department of Art & Design.
18	Adventure Club Society	Dr. Amir Aziz Associate Professor, SIAHS
19	Cultural Society	Mr. Muhammad Irfan Assistant Professor, Department of Business Administration.

Special Provisions:

The University authorities reserve the right to make any change in these Academic Rules at any time without prior notice. In all cases where these Academic Rules are silent, the decisions of the Vice-Chancellor shall be final.

UNIVERSITY CODE OF CONDUCT & DISCIPLINE REGULATIONS

PENALTIES THAT MAY BE IMPOSED BY THE UNIVERSITY AUTHORITIES FOR VARIOUS OFFENCES COMMITTED

	OFFENCE	PENALTY
1.	Using/carrying of alcoholic drinks or other intoxicating drugs within the University Campus or University Hostels or during Study Tours or Cultural Tours or Survey Camps, any such tours of any other University/College or such outside the campus under the influence of such intoxicants or misbehaving with others, especially females, during tours, etc.	Debar from classes for one week or fine not exceeding Rs. 20000/- OR Expulsion from the University.
2.	Organizing or taking part in any function within the University campus or hostel or organizing any club or society of students or students association, unions or federation, except in accordance with the prescribed rules and regulations.	Stern warning and / or Fine not exceeding Rs. 30000/-
3.	Collecting any money or receiving funds or pecuniary assistance for or on behalf of the University, except with the written permission of the Vice Chancellor.	All money supposed to have been collected shall be confiscated in favour of the University. AND / OR Fine not exceeding Rs. 30000/-
4.	Staging or inciting or forcing fellow students to a walkout from classes or examination halls or organizing, conducting or participating in strikes or agitation or violence against the University authorities or members of teaching or administrative staff or disrupting the classes or any other academic activity of the University being held inside or outside the campus.	Expulsion from the University for one to four semesters/two academic years, depending on the nature and gravity of the crime. AND / OR Fine not exceeding Rs. 30000/-
5.	Casting aspersions or using abusive and derogatory language in speeches, pamphlets or posters against the University authorities or members of teaching or administrative staff of the University or physically manhandling, beating or disgracing the University authorities or members of the teaching or administrative staff of the University or committing an act of moral turpitude against fellow students.	Expulsion from the University for one to six semesters/three years, depending on the nature and gravity of the crime. AND / OR Fine not exceeding Rs. 45000/-

6.	Conducting or inciting or participating in a violent attack on the offices of the University authorities, Chairmen, faculty members or any other officers of the University or Student.	Recovery of the amount equal to the value of the damage caused; and / or fine not exceeding Rs. 20000/-. AND / OR Rustication from the University.
7.	Damaging/destroying or trying to damage/destroy the property (movable or immovable) of the University or University employees of Government or any other Public Organization or stealing or taking away by force any item of University property.	Fine not exceeding Rs. 20000/- AND / OR Expulsion from the hostel. Expulsion from the University for a maximum period of two semesters / one year.
8.	Bringing, carrying or keeping or firing of arms or any other weapon (of any nature/type) within the University campus or classrooms or hostels or examination halls or offices of the University.	Fine not exceeding Rs. 20000/-; expulsion from the hostel. AND / OR Expulsion from the University for maximum period of two semester / one year.
9.	Using loudspeakers or mega-phones in the University hostels or on the University campus or making provocative speeches or gestures which may cause resentment or doing anything in anyway which is likely to promote rift and hatred among various ethnic and religious groups or castes of students community or issuing statements in the press, making false accusations against the University or University Authorities or members of teaching staff.	Fine not less than Rs. 10000/- AND / OR Stern warning.
10.	Misbehaving with student and or not cooperating with faculty members, University proctors, Hostel Wardens, and other authorities.	Rustication / expulsion from University.

25. PENALTIES FOR ACTS OF UN-FAIR MEANS IN EXAMINATIONS (CONTINUE)

No.			Report		Status	Penalty
1.	POSSESSION	A	One paper case	Not copied	a. Failed	As per I with fine
					b. Passed	As per I without fine
				Copied	a. Failed	As per I with fine
					b. Pass	As per I with fine
		B	Two papers case	Not copied in both papers	a. Failed in both	As per I in each with fine
					b. Passed in one	As per I in each with fine
					c. Passed in both	As per I in each with fine
				Copied in one paper	a. Failed in both	As per II with fine
					b. Passed in one	As per II with fine
					c. Passed in both	As per I in each with fine
				Copied in both papers	a. Failed in both	As per II with fine
					b. Passed in one	As per II with fine
					c. Passed in both	As per II with fine
		C	Three or more papers case shall be dealt with at a higher punishment level than that provided for two papers case and penalties imposed shall not be less than B above depending upon the nature of the case.			
2.	Page Removal	A	Removal of sheets from scripts or continuation sheet			As per I with fine
		B	Using abusive words in answer books on the report of the Examiner			
		C	Smuggling of question paper outside the hall.			
3.	Cheating by Force	A	Refusing to handover cheating materials.			As per III with Fine
		B	Disobeying Supervisory staff.			
		C	Cheating by force			
4.	Smuggling of Answer Book	A	Smuggling Answer Book or Answer Sheets in / out of the Examination Hall.			As per III with Fine
		B	Misbehaving with the Supervisory staff/ Inspector.			
5.	Firearms / Impersonation	A	Possession or display of firearms			As per IV with Fine and the case may be referred to police.
		B	Impersonation: 1) Real Candidate 2) Impersonator Any act other than above.			

PENALTIES FOR ACTS OF UN-FAIR MEANS IN EXAMINATIONS (CONTINUE)

No.	Report		Status	Penalty
6.	Mobile Phone Case	A	Possession / Holding of mobile	As per I with Fine
		B	Using Mobile	As per I with Fine
7.	Staging / Smuggling of Question Paper	A	Staging a walkout or persuading others to do so.	As per II with Fine
		B	Writing wrong Roll No. to deceive inspector / supervisory staff.	
8.	Threatening	A	Assault on Supervisory staff / Inspector	As per V with a Fine and the case may be referred to police.
		B	Damaging/spoiling/parting other candidates answer book or any other important document/item related to examination.	
9.	Tempering	A	Unauthorized Centre change.	As per II with Fine
		B	Tempering.	As per III with Fine
10.	About Supervisory staff		If any member of the Supervisory staff or inspector is found guilty of an act inconsistent with the fair discharge of his duty shall be liable for disqualification from examination duties for a period of ten years and shall not be entitled for payment of the TA/DA and remuneration for the subject examination.	
11.	Absent in UFM Committee		If a candidate fails to appear before the UFM Committee, the committee will proceed according to the rules and impose relevant penalty as per rules.	
12.	if a candidate practices any other unfair means in connection with an examination not covered by the above Rules & Regulations, he/she may be awarded penalty warranted by the circumstances of the case, provided that the penalty awarded does not exceed the maximum as laid down in the Rules & Regulations mentioned.			

DESCRIPTION OF UFM COMMITTEE PENALTIES:

As per I:This paper is cancelled and Fine up to Rs.2000/-
As per II:This Examination is cancelled and Fine up to Rs.3000/-
As per III:This Examination is cancelled and also disqualified for the next examination and Fine up to Rs.5000/-
As per IV:This Examination is cancelled, fine up to Rs.20000/- and expulsion from the University. *
As per V:This Examination is cancelled, fine up to Rs.25000/- and expulsion from the University.

* If the impersonator is not on the rolls of the university/affiliated institution/DEC but holds a degree or diploma conferred or granted by the University, the Registrar shall register a case with the Local Police under section 419 PPC, and shall send intimation to this effect to the concerned Vice Chancellor for cancellation of his/her Degree/diploma/certificate.

IMPORTANT INSTRUCTIONS FOR STUDENTS DURING EXAMINATIONS

- Candidates without Roll Number Slip or whose particulars on the roll number slips do not match with those of the confidential list with the superintendent will not be allowed in the examination centre except with the prior permission of the Competent Authority will not be allowed to take examination.
- A candidate shall present himself/herself at the Centre of Examination at least 45 minutes before the time fixed for the first paper and 30 minutes before the time fixed for each subsequent paper(s).
  Candidates will not be allowed to enter in the Examination centre after 15 minutes of the start of the paper and no extra time will be given to late comers.
- No Candidate can leave Examination centre before half of the time allotted for the paper he/she is appearing in.
- Candidate who wants to leave the exam centre early will not be allowed to take question paper along with him/her.
- The candidates are required to take the allocated seats only. They may be required/ directed to change their seats during exam by the invigilation staff.
- Candidates are not allowed to bring Mobile Phones to the Examination Hall. In special cases if permitted, Mobile/Cellular phones must be switched off, not to be put on silent mode. Any mobile ringing, giving signals will be confiscated. Further Mobile phone cannot be used as a calculator.
- Scientific calculator is allowed in all relevant papers. However, computerized/ programmable calculator cannot be used in any paper under any circumstances unless specifically allowed.
- No candidate will be allowed to attend washroom during examination without the permission of the superintendent.
- Candidates should not write anything on the question paper except their name and roll numbers. All rough work should be done on the answer book.
- Exchange of any material (including calculator, pen, pencil, eraser, sharpener, ruler etc) is not allowed during examination.
- Only plain clip boards without any prints/writings will be allowed during examination.
- No answer book, question paper or paper of any kind is to be fetched out from Examination centre.
- Answer book is required to be returned back to the supervisory staff even if no question has been attempted.
- Body search of a candidate can be done at any stage during examination.
- Candidates shall write Roll number and other particulars before writing anything on the answer book or on the supplementary material provided by the supervisory staff.
- Candidate shall not write his/her name on any part of Answer Book. He/she shall not write his/her Roll number except in the space specifically provided for the purpose.
- Candidate shall not write on the question paper or on the blotting paper, or any part of his body, clothes or other material other than the answer book/ supplements. However, he/she shall write only Roll No. on the question paper. Use of electronic aid is also forbidden, except for authorized calculator in relevant papers.

- In case, there is a choice of language (English or Urdu), the candidate will have to attempt the entire paper in one language. Attempting the paper in both languages may result in cancellation of full paper of some part thereof.
- Candidates are advised to use ink or ball point pen (blue or black) for writing and lead pencil for drawing diagram.
- The questions solved with lead pencil will not be assessed.
- Candidates need to write on both Sides of pages of answer book using each line. Candidates should neither leave any page blank nor should they tear off pages from the answer book provided, but cross those if spoiled.
- Candidates can attempt the question in any order (sequence) but shall mention question number according to number mentioned in the question paper.
- A candidate misbehaving with the invigilation staff shall be liable for the cancellation of paper/ examination. Candidates are forbidden to bring any book, notes or paper or any material which can be helpful in the examination.
- Candidates can ask for extra sheets (continuation sheets) only after the answer book/ previously issued continuation sheet is fully utilized. Extra sheets/continuation sheets will not be issued during the last 15 minutes.
- Candidates need to mention the serial number of the continuation sheet(s) on the front page of the answer book.
- In case a continuation sheet is not utilized, it has to be returned to the invigilation staff.
- A candidate walking out or instigating others to walk out of the examination centre will be liable for the cancellation of paper and other penalties.
- A candidate in possession of fire-arms or any other weapon of offence in or around the Examination Centre shall entail the penalty of cancellation of Examination and any other action under the rules of the University.
- Smoking or use of any kind of drugs during examination is strictly prohibited. A candidate found guilty will be penalized under the rules of the University.
- A candidate found involved in cheating/impersonation shall be liable for the cancellation of paper/ whole examination or expulsion along with other penalty under the rules of the University.
- Each answer must be commenced with a number of question or part of sub-section thereof as shown in the question paper. A question should be attempted as a whole. The candidate may lose marks if parts of a question are attempted haphazardly on various portions of the answer book.
- Candidates shall clearly write “THE END”, at the end of their paper and cross all pages left blank in the answer book.
- Candidates shall not leave their seats or attempt to communicate with other candidate in the centre on any account. If a candidate wants something, he/she may draw the Invigilator’s attention by standing up.
- During the last fifteen (15) minutes before the close of the examination and at the announcement or signal, the collection of answer books will begin. Candidates shall not leave their seats until the answer books have been collected by the Invigilator.

LEGAL STATUS

The University is recognized by the Higher Education Commission of Pakistan and established under Ordinance No. XXIV/2001 of the Government of Khyber Pakhtunkhwa. The Governor of Khyber Pakhtunkhwa is the Patron of the University. The Ordinance of the University provides for a Board of Governors which exercises general supervision over the affairs of management of the University. The Board of Governors of the University is the highest executive authority of the University, which comprises personalities of high standing in the academic and professions both from the public and private sectors of higher education. The Board has all the powers necessary to formulate the statutes, regulations and policies aimed at high academic standards in respect of all academic programs run by the University from Undergraduate to Postgraduate Level. The Board also enjoys powers to frame laws and policies aimed at recruiting persons of eminence in academics for senior slots in the academic hierarchy who are able to give their best to the students.

The Rules & Regulations mentioned in the Prospectus are approved by the statutory bodies of the University and are fully binding on the students taking admission in any degree/diploma program of the University under this legal document.

The University reserves the right to amend any rule/regulation at any stage.

NOTICE

This Prospectus is published in August 2024 and shall remain in force till it is revised.

Every effort has been made to ensure the accuracy of the information given in this publication, but the University reserves the right to make changes in regulations, courses, fees, etc. at any time before or after a candidate's admission without prior notice.

Documents to be attached with Admission Form

- [ ] Matric DMC & Provisional Certificate / Secondary School Certificate
- [ ] Intermediate DMC & Provisional Certificate / Higher Secondary School Certificate
- [ ] Equivalency Certificate from IBCC (for A Level / other than BISE students)
- [ ] Bachelors DMC & Provisional Certificate / Bachelor Degree
- [ ] Masters DMC & Provisional Certificate / Master Degree
- [ ] Copy of Computerized National Identity Card - Mandatory*
- [ ] Domicile
- [ ] Copy of Computerized National Identity Card (Father/Guardian)
- [ ] Letter from the Concerned Embassy (for Foreign Student)
- [ ] Passport Copy other than Pakistani Citizen
- [ ] Four Recent Passport Size Photographs Light Blue Background
- [ ] Experience Certificate (M.Ed)

* If a candidate doesn't possess his/her CNIC he/she should attach copy of Form-B
* Two copies of all documents must be attached with admission form.
* All documents must be attested by a gazetted officer

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