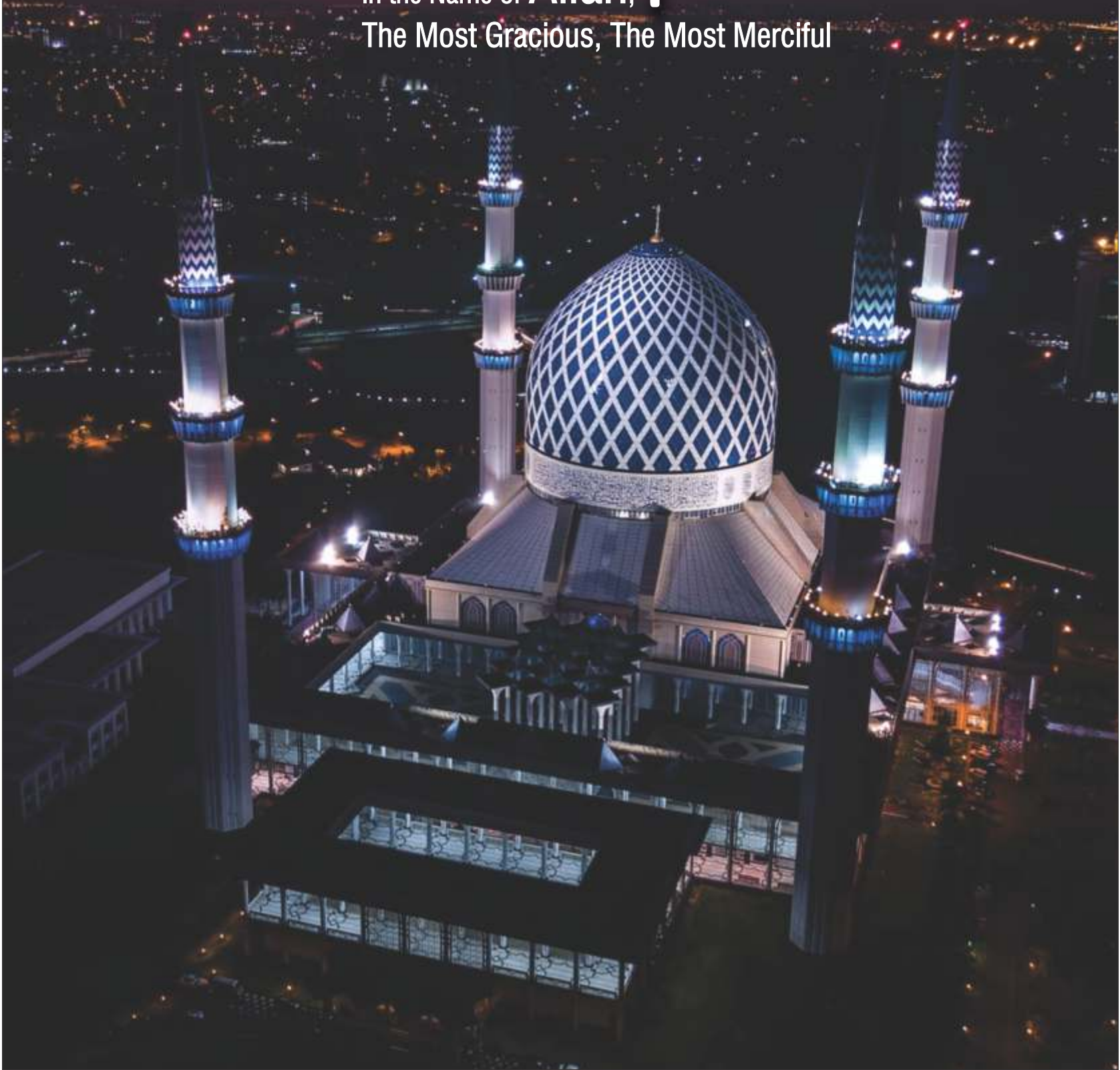بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

In the Name of **Allah**,
The Most Gracious, The Most Merciful

Prophet Muhammad

(Peace Be Upon Him) said:

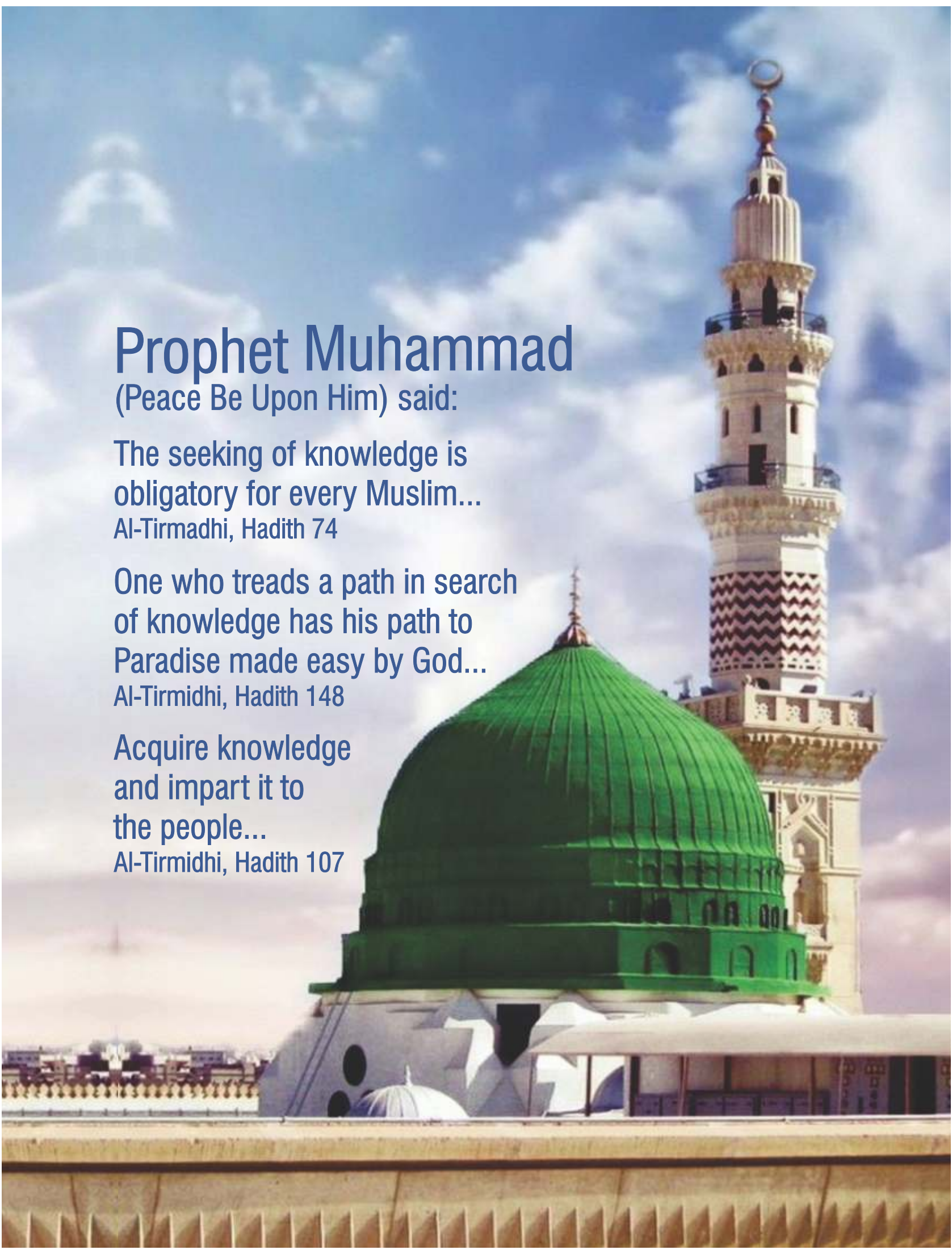The seeking of knowledge is obligatory for every Muslim...
Al-Tirmadhi, Hadith 74

One who treads a path in search of knowledge has his path to Paradise made easy by God...
Al-Tirmidhi, Hadith 148

Acquire knowledge and impart it to the people...
Al-Tirmidhi, Hadith 107
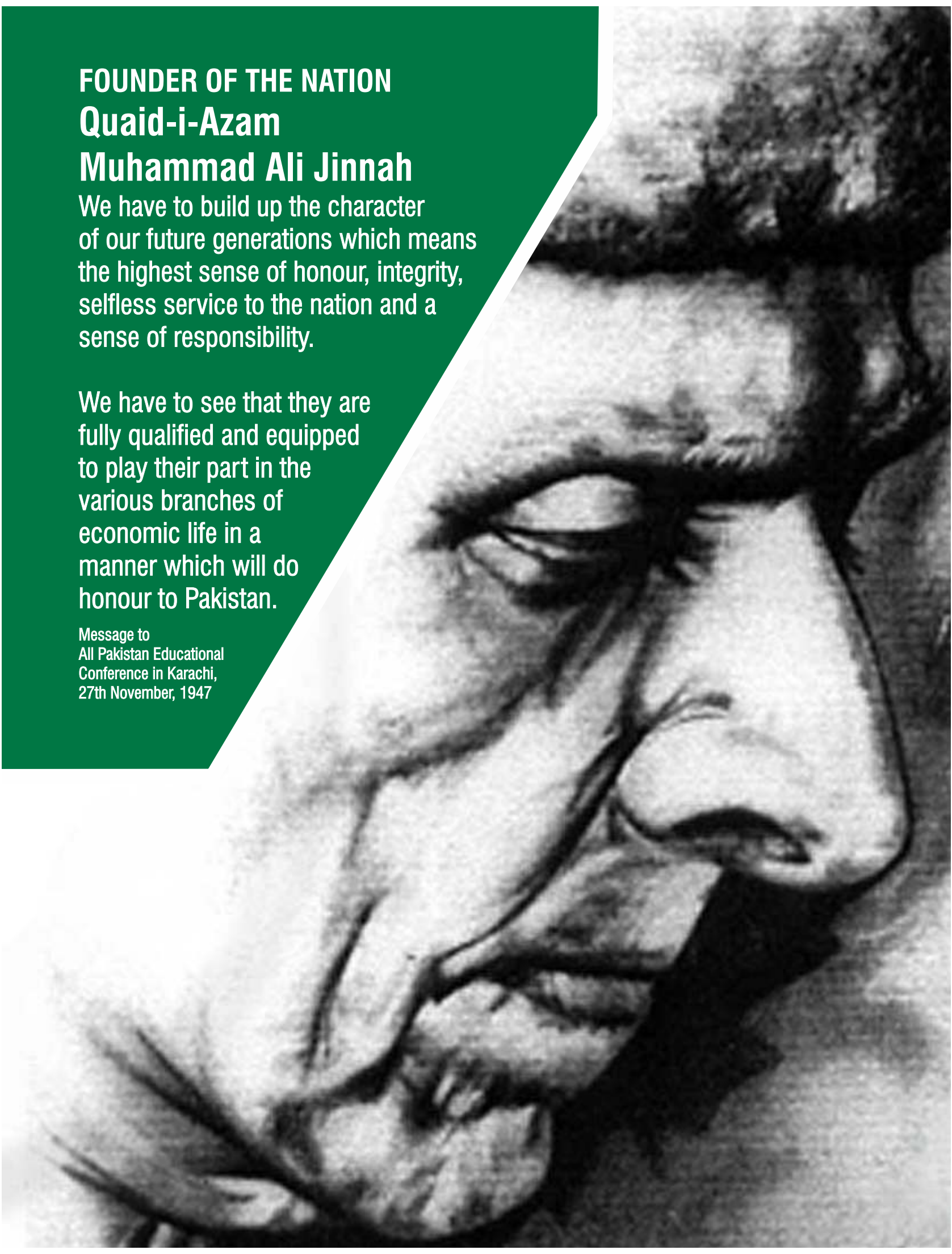
FOUNDER OF THE NATION
Quaid-i-Azam
Muhammad Ali Jinnah

We have to build up the character of our future generations which means the highest sense of honour, integrity, selfless service to the nation and a sense of responsibility.

We have to see that they are fully qualified and equipped to play their part in the various branches of economic life in a manner which will do honour to Pakistan.

Message to
All Pakistan Educational
Conference in Karachi,
27th November, 1947

Proud to be Students of **CUSIT**

Contents

CUSIT BUILDINGS

Message

from the Founder / Chairman,
Peshawar Model Educational Institutes (PMEI)
Mohammad Zahoor Sethi

By the grace of Almighty Allah, we have entered the 22nd year of establishing City University of Science & Information Technology (CUSIT), Peshawar. We had our difficult moments, but with the prayers of our well-wishers and hard work by all concerned, we managed to complete our initial 21 years successfully.

It has always been my desire to promote quality education in our province. I am inspired by my respectable cousin, (Late) Professor Muhammad Ismail Sethi, former Vice Chancellor, University of Peshawar and Gomal University, whose contributions to the academic field are known far and wide. Today, I can proudly claim that I have been sincerely engaged in contributing my share to this noble cause.

Newly established academic institutions take a long time before they become well-known and reputable for their academic achievements.

We have strived for excellence right from the beginning and our experiences with Peshawar Model Schools and Peshawar Model Degree Colleges for boys and girls have helped us to pursue high standards of academic excellence.

We have been vigorously pursuing our dream of achieving excellence in CUSIT by providing highly qualified faculty, a challenging curriculum and an efficient administrative team. We firmly believe in producing well-qualified and competent graduates. Therefore, we have high expectations from our students, administrative staff and faculty. I am sure that as we progress, Insha Allah, CUSIT will compete with the best universities of the country, and our graduates would always be in great demand to fulfil the challenging needs of our nation.

I wish you all the best for achieving your goals. May Allah bless us with His Divine Guidance to carry out this noble mission. Ameen!

Message

from the President,
City University
Mohammad Sabur Sethi

Welcome to City University of Science & Information Technology (CUSIT)

Education is the cornerstone of personal and national advancement. In today's globalized world, a nation's progress hinges on its educational foundation. At CUSIT, we are committed to nurturing graduates of exceptional intellectual caliber, placing our institution among the ranks of esteemed universities worldwide. We uphold the pursuit of knowledge and education, striving for excellence in both traditional and modern learning.

I am delighted to announce that CUSIT has achieved significant milestones, earning a distinguished position among Pakistan's private sector universities. This accomplishment is a testament to the trust and confidence bestowed upon us by our students and their families.

At CUSIT, we are dedicated to excellence, fueled by hard work, dedication, and sincerity toward our goals. Your unwavering confidence in us serves as a constant motivation, propelling us to maintain the highest standards of education and provide you with an exceptional learning environment.

We have created a supportive atmosphere for our students, designed to nurture them into competent professionals. Our faculty, administration, and management are fully committed to this endeavor. It is now up to the students of CUSIT to seize this opportunity, work diligently, and uphold the reputation of their alma mater.

Together, let us continue to strive for excellence and contribute to the growth and prosperity of our beloved institution and our nation.

Message
**from the Vice Chancellor,
City University
Prof. Dr. Mohammad Abid**

Dear Prospective Students

City University of Science and Information Technology (CUSIT), Peshawar is a pioneer private University in Khyber Pakhtunkhwa, established in 2001. The University owes its establishment to the Peshawar Model Educational Institutes founded in 1979. The founders of the University have the vision to provide quality education at affordable cost to the people of Pakistan in general and Khyber Pakhtunkhwa in particular.

Since its establishment, the University management and faculty have strived hard to provide cutting edge education. To achieve this goal, we provide congenial environment and outstanding faculty to impart and disseminate knowledge to the students. Our faculty members are highly qualified; they publish quality research internationally and in the HEC recognized journals and also provide the students with quality knowledge, friendly environment, and help them in the development of their skills for smooth transition to better careers. This is why our alumni contribute in different fields of life in the country and abroad.

The University has four multi-story buildings on its own vast land. The campus is on the outskirts of the city and is therefore almost free from pollution with noticeable difference from the crowded areas. There are lush green lawns and playing fields providing sporting and open-air sitting facilities for the students. The laboratories of the University are equipped with state-of-the-art latest equipment and are replenished on regularly basis. Transport facility, library, cafeteria and Masjid are available on the campus. Last but not least the University has robust IT infrastructure and therefore all the correspondence among students, parents, management, faculty and staff within the University is almost paperless.

We are committed to providing quality knowledge to our students. For this purpose, the courses of the University are regularly updated in meetings of relevant august bodies and the faculty is given opportunities of getting trainings, refresher courses and other avenues to update their knowledge for the benefit of the students.

As you join the University, you will find that the entire community of the University is ready to help you in the pursuit of knowledge, academic growth and career goals. On behalf of the management and faculty, I welcome you to the City University of Science and Information Technology, Peshawar.

Our Vision

To be one of the leading Universities that generates, propagates and disseminates Knowledge in cutting edge Sciences, Engineering & Technologies and Social Sciences to provide solutions to the contemporary problems and directions for the future.

Our Mission

To deliver high quality academic programs in Sciences, Engineering Technologies, Social Sciences and Humanities, based on State of the Art Knowledge, Skills, Attitude.

To attract and nurture quality minds, students and Faculty of high caliber who will contribute towards the national and global knowledge economy for the socio-economic development at regional and global levels.

To develop and nurture strong research culture & climate within a dynamic, efficient and effective team of academic and support staff.

To be financially self-sustaining through high quality education, cutting edge research, national and international collaboration and commercialization of R&D products and services.

Why
City University?

- Chartered by the Government of Khyber Pakhtunkhwa
- Recognized by the Higher Education Commission (HEC)
- Accredited by Pakistan Engineering Council (PEC)
- Accredited by National Computing Education Accreditation Council (NCEAC)
- Permitted by Pakistan Council of Architects and Town Planners (PCATP)
- Placed in the highest category "W" by the HEC
- Vast experience and excellent reputation of the institution in providing quality education at an affordable fee structure
- Emphasis on discipline and character-building
- Certified faculty and professional environment
- Job-oriented degree programmes
- Students counselling and job-placement services
- Full/partial scholarships to meritorious/needy students
- Purpose-built own campus, spread over an area of 90 kanals having spacious classrooms, labs and other academic facilities.
- Spacious library having quality books, magazines, CDs and Digital Library
- State-of-the-art Computer Labs and latest presentation equipment
- Centrally air-conditioned building
- For uninterrupted power supply to the whole campus, auto-start stand-by Diesel Electricity Generators, Solar Energy & UPSs
  Pleasant learning and politics-fee environment
- Free internet facility with wi-fi services
- Free on-campus medical assistance
- Spacious parking for cars, motorcycles, cycles etc.
- Specious Lawns, Mosque and Bookshop facilities
- Transport facility for students and staff
- Cafeteria with refreshments at reasonable prices
- Recreational Centre for in-door games

Location

City University of Science & Information Technology (CUSIT), Peshawar is located in the City of Peshawar, the capital of the   Khyber Pakhtunkhwa, Pakistan.

Peshawar is one of the oldest living cities in South Asia.   Lying at the foot of the world famous Khyber Pass, this historical city has been the gateway to Central Asia, providing a vital commercial, cultural and religious link. The mighty hordes of invaders including Aryans, Scythians, Persians, Bactrians, Kushans, Huns, Turks, Mongols and Mughals have passed through it before moving forward to India. In the past, the city has been mentioned by various names like "Pushpapura" meaning the "City of Flowers" but the present name Peshawar, meaning "The Place at the Frontier" was given by the Mughal Emperor Akbar.

Peshawar, inspite of great stresses, has retained its old complexion. A walk through the city blind alleys will tell you its centuries old grandeur and complexion. Remains of the old walled city and its gates tell the story of the good old days. It is undoubtedly a true metropolis of the Orient. Hospitality is never held back in this land of contrast and beauty. Some of the attractions at the city include Bala Hisar Fort, the 17th century Mahabat Khan Mosque, monuments of Buddhist era, Peshawar Museum, Qissa Khawani Bazar, city centre square-the Chowk Yadgar, reputed educational institutions and the like.

The city is linked with the world through an international airport.   It has good network of roads and railways with other cities of Pakistan. Public transport, intra-city and inter-city, is available.   Hotel accommodation is available from low to very expensive.   Eating areas are available all over the town offering traditional and international cuisines. Shopping areas are generally located in the old city and cantonment area. Weather in Peshawar is extreme, both in summer and winter. Summer months are from April to September with temperature ranging from 25°C - 45°C and winter from November to March with temperature 5°C - 12°C.

Introduction

City University of Science & Information Technology, (CUSIT) Peshawar is one of the first private-sector universities, chartered by the government of Khyber Pakhtunkhwa, recognized by the Higher Education Commission (HEC), accredited by the Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC) and National Accreditation Council for Teacher Education (NACTE). The University is also permitted by Pharmacy Council of Pakistan for Pharm-D Program. The University is an extension of Peshawar Model Educational Institute (PMEI), founded in 1979 with an aim to impart quality education at an affordable cost.

Initially, a primary school was established by Muhammad Zahoor Sethi (Founder), comprising just one moderate campus with 300 students. But in due course of time the continuous efforts of our highly qualified faculty and dedicated management paid off and resulted in the establishment of Twenty (20) separate school campuses, five degree college campuses for boys and five degree college campuses for girls, with a combined strength of over 35, 000 students.

Recognizing the extraordinary reputation of PMEI in providing quality education from primary to bachelor level, City University of Science & Information Technology, Peshawar was granted a charter as a university from the government of Khyber Pakhtunkhwa on 30th August, 2001.

The University was inaugurated by Lt. Gen. (R) Syed Iftikhar Hussain Shah, the then Governor, Khyber Pakhtunkhwa on October 06, 2001.

Dr. Abdul Qadeer Khan was also present at the inauguration. The foundation stone of the new campus at Dalazak Road was laid by the then Governor, Khyber Pakhutunkhwa, Mr. Khalil ur Rehman on 19th May, 2005. The new campus is spread at an area of over 90 kanals. This campus started its full-fledged academic activities since 11th March, 2009.

IT was inaugurated by the then Speaker, Provincial Assembly, Mr. Kiramat Ullah Khan Chagharmati on 12th March, 2011.

The University is managed through university bodies such as Board of Governors, Academic Council, Board of Advanced Studies & Research, Board of Faculties, Selection Board and Finance & Planning Committee. The day-to day affairs of the University are managed by the Vice Chancellor with the help of Deans and Heads of Faculties.

All the efforts of City University's management, administration and faculty are directed to produce competent and efficient professionals who will effectively contribute in taking Pakistan to technological and economic glories.

Academic **Collaborations**

National / International Collaborations Academic Linkages:

For collaboration in teaching and research, the university has established links with many educational institutions in UK and USA, such as:

1. Regents Business School, City University, London
2. Bournemouth University, (UK)
3. Department of Construction Management, East Carolina University, USA
4. McWhorter School of Building Science, Auburn University, USA

They accept our credit hours of first three years of bachelor's degree and give admission in the final year. One of our students Mr. Atiq-ur-Rehman has already earned a bachelor degree from Bournemouth University U.K through this arrangement.

University entered into MoU with the following institutes:

1. Sudan University of Science & IT	13. Pembrokeshire College, Haverfordwest, UK.
2. Open University, Malaysia	14. Regent Business School, City University, London
3. Sultan Idris Education University, Tanjong Malim, Perak, Malaysia	15. Bournemouth University, UK
	16. Ghulam Ishaq Khan Institute, Topi Swabi
4. Islamic University, Uganda	17. Indus University Karachi
5. Kandhar University, Afghanistan	18. Enabler's Inc
6. Islamic School of Arts, Iran	19. Al-Khidmat Foundation
7. University of Kassala, Sudan	20. ALFA College University Malaysia
8. University GAZINTEP Turkey	21. JMM Technologies
9. DICLE University, Turkey	22. Stand For Peace Organization
10. Nile Valley University, Sudan	23. MMC Hospital
11. Bursa Technical University, Bursa, Turkey (BTU)	24. Souvenir General Hospital
12. Khushhali Bank / USAID	

Collaborations with National / International Corporate Linkages:

1. Ihsan Trust/ Meezan Bank
2. Pakistan Red Crescent Society (PRCS)
3. KPIT Board
4. Complete Human Resource Solutions (CHRS) Islamabad
5. Eastern Federal Union (EFU)
6. Momentum Ventures (Pvt) Ltd. Islamabad
7. SysComp International (Pvt Ltd. Islamabad
8. Women's Digital League F-30, Block-7, KDA Scheme-5, Kehkashan, Clifton, Karachi
9. ABE-The Association of Business Executives-UK
10. Nestle Pakistan Limited
11. Allworld Network Inc
12. Securities & Exchange Commission of Pakistan (SECP)
13. Entrepreneurship Development Institute (Pvt.) Ltd. Islamabad
14. Khyber Pakhtunkhwa Chamber of Commerce & Industry (KPCCI)
15. Nishat Mills Ltd. Lahore.
16. Soft Skills Development Institute International (SSDII) USA
17. Khawateen Rozgar Services Pvt. Ltd.
18. C&W Department, Government of Khyber Pakhtunkhwa
19. Peshawar Electric Supply Company (PESCO)
20. Khyber Pakhtunkhwa Education Foundation
21. Akhuwat Foundation
22. Pak Qatar Takkaful
23. MoU with Police Department
24. University of Essex.
25. Akbar Medical Center
26. Dynea

MoUs with Hospitals and Health Care Units

CUSIT is offering many courses in the Department of Health Sciences and Pharmacy. In order to give them hands-on experience in their related equipment, a number of MoUs have been signed with different hospitals and health care centers, such as

1. Rehman College of Rehabilitation Sciences (RMI), Hayatabad, Peshawar.
2. Jinnah Teaching Hospital, Peshawar.
3. Maqsood Medical Complex General Hospital (MMC), ring Road, Peshawar.
4. Souvenir General Hospital, Dalazak Road, Peshawar.
5. Al-Khidmat Foundation Hospital, Nishtar Abad, Peshawar.
6. Rehab Center

Board of Governors

Chairman
Prof. Dr. Mohammad Abid
Vice Chancellor, CUSIT, Peshawar

Secretary
Higher Education Department,
Govt. of Khyber Pakhtunkhawa

Vice Chancellor
Women University, Mardan

Mr. Naveed Akbar
Rector,
University of Chinab, Gujrat

Advocate. Atta Ullah
Peshawar High Court,
Peshawar

Mr. Justice (Rtd) Syed Afsar Shah
Peshawar High Court,
Peshawar

Engr. Prof. Dr. Inayat Ullah Babar
Former VC UET, Peshawar

Representative of
Higher Education Commission
Islamabad, Pakistan

Mr. Khalid Sultan Khwaja
CEO
Tariq Sultan & Co. Peshawar

Ms. Umbreen Arif
Former Technical Advisor,
Ministry of Federal Education and
Professional Training

Educationist (Nominee of BoG)

Scientist (Nominee of BoG)

Prof. Dr. Muhammad Ismail
Dean Faculty of Health Science
CUSIT, Peshawar

Director QEC
CUSIT, Peshawar

Mr. Amjad Ali
Secretary / Registrar, CUSIT

Management / Administration

Mohammad Zahoor Sethi
Founder & Chairman, PMEI
(Peshawar Model Educational Institutes)

Patron
The Honourable Governor of KP

President
Mohammad Sabur Sethi

Executive Director Admin and Strategy
Mohammad Ayub Sethi

Vice Chancellor
Prof. Dr. Mohammad Abid

Registrar
Amjad Ali

Controller of Examinations
Zafar Ahmed

Controller of Finance
Shakeel Ahmed Sethi

Executive Director Administration & Strategy
Mohammad Ayub Sethi

City University

City University invites applications for admissions to its various programs twice a year, once in Spring and then in fall (for more detailed information see CUSIT website http://www.cup.edu.pk). However, faculty of computer science and faculty of engineering announce admissions in fall only. Students who are interested to apply are advised to visit the campus for getting more detailed information about admissions to their respective programs.

Applications, duly filled in, and supported by all required documents are accepted at the admission office within the announced deadline.

On acceptance of an application form bearing the reference number, admission test date , date of interview, merit list of the successful candidates is announced.

On deposit of dues, within the dead line, students are issued their registration number and are given the courses to study in the first semester. Before commencement of classes, students are expected to attend an orientation session and collect their time table from the students' services office.

Every year, CUSIT attracts some of the most talented/gifted students. The network of our alumni is fast spreading in the corporate world and other fields. If you are looking for quality education and facilities, then CUSIT is the right choice for you. From classes to co-curriculars, volunteering and participating, you will be groomed to succeed at CUSIT and later in your practical life.

Important **Information**

Notes

- Full information is set out in the ordinance, statutes, regulations, rules, policies and procedures of the university. Copies are available on request from the Registrar's office.

- Detailed information about the programmes offered and the courses referred to in this prospectus is available from the department concerned.

- The guidelines and instructions of the Higher Education Commission (HEC) regrading curricula development, credit hours, degree duration etc. for the award of degree are strictly implemented. Changes in the foregoing degree programmes may be implemented as and when directed by the HEC.

- In the event of circumstances beyond its control, the university cannot guarantee the provision of all the schemes and services, advertised in the prospectus, . Therefore, it reserves the right to cancel / make any change in the programme/ courses sequence & their credit hours without any notice, should it become necessary.

- Alteration / addition in the rules and regulations may be made from time-to-time. it is the students' responsibility to update themselves and be aware of such amendments which will be promulgated in the form of notices etc.

- All students are expected to behave in an orderly and disciplined manner. ignorance of rules and requlations (academic / administrative) is no excuse for its violations.

- In accepting an offer to be a student of the university, he/she consents to incorporation of this notice as the term of contract between him/her and the university.

- Great care has been taken in compiling this prospectus. It is only for the general guidance of prospective students. For up-to-date information, please contact the Registrar's office.

- This prospectus refers to programmes and courses offered from August, 2022 & Onwards.

Semester System

There will be two semesters in a year, each spreading between 16 to 18 weeks. At the end of each semester, one to two weeks will be allowed for the examination and compilation of results. Students wishing to register in the next semester must complete their registration within one week of the declaration of results.

Teaching Organization

Various courses will be taught at the campus of the university and other approved centres through lectures, seminars, demonstrations, practical work in laboratories, group discussions, and other methods of instructions approved by the Academic Council.

Teaching in each Department / Institute / Centre will be conducted by the university teachers or such other persons as may be declared so by the university regulations.

Teaching in each Department / Institute / Centre will be organized through courses specified for each programme and approved by the university statutory bodies.

No course will be offered unless there are at least 15 students enrolled for that course. In special cases, however, the competent authority may waive-off this requirement.

Medium of Instruction

English will be the medium of instruction and examination, except in case of Islamic Studies (compulsory) which may be in Urdu.

Deficiency Make Up Course(s)

If a candidate lacks the background knowledge for a specific programme of interest, he/she will have to make-up the deficiency by taking the additional course(s) as may be prescribed by the concerned university authority.

Application Procedure

Application for admission must be submitted on the form enclosed with this prospectus. Photocopy or computer print out of the form will not be accepted.

However, international students applying from outside Pakistan may print out the admission form from our website. Incomplete applications in any respect will not be considered.

Attested copies of certificates and testimonials should be submitted with the application form.

The applications for admission should reach the Admissions Office on or before the specified date.

For admission to a degree programme, applicants must qualify the entry test and interview to be conducted by the university or any other Agency authorised by it like ETEA, NTS etc.

The merit for admission will be determined on the basis of entry test, interview and academic record.

Important **Information**

Transfer of Credits

Students desiring to transfer their credits, earned at other institutions, will be accepted under the following conditions:

a. Credits have been earned from institutions recognized / accredited by HEC.
b. Original transcript is produced along with photocopy.
c. No credit hours of a course will be transferred if the grade is less than C for undergraduate and B for graduate.
d. Credits from other institution will be evaluated by the equivalence / evaluation committee on course-to-course basis with courses offered by the University.
e. Course outlines should match minimum 75% with that of the University.
f. Maximum credit equivalent to 40% of the total credits of the degree programme of City University may be accepted.
g. Grades points of the transferred courses will not be counted towards CGPA of courses of the University.
h. The Transferred courses will appear in the full transcript of the University.
i. Character certificate, from the previous institution is produced.
j. In case of acceptance and willingness of the student for admission, he/she will have to produce migration certificate from the previous institution.
k. Student will pay credit transfer fee for each transferred credit hour.

Restrictions and Declarations

All those candidates who were punished by their previous institutions or universities on account of indiscipline or undesirable activities will not be admitted in the university.

The authority concerned may refuse admission to a student who, in its opinion, has malafide intentions or undesirable background.

Students who are admitted to the university and their parents/guardians have to give an undertaking to abide by the rules and regulations of the university and other instructions as may be issued by the competent authority from time-to time.

Admission Authority

Admission to the programmes will be made by the Dean / Head of the department concerned on the recommendation of the Admission Committee.

The admission of a candidate to a programme will initially be provisional, and will be confirmed after verification of his / her testimonials and documents.

Registration

At the beginning of each semester, a student must register in the courses to be studied on the prescribed Course Registration Form.

Only the courses required to complete a specific degree programme, will be selected and offered by the appointed committee from the pool of courses given in this prospectus.

At the beginning of each semester, students will be offered full load of courses according to their degree programme, but they will have the choice to select fewer courses than the full load for any reason whatsoever. However, the maximum duration for completing a degree program should not exceed the limits given in the following table :

Programme	Years of Education	Duration		Total Semesters
		Minimum	Maximum	
BBA/BS-SE/BS-CS/BS- English/BS-Maths/MLT	16	4 years	5 years	8
B.Sc. (Electrical/Civil Engineering) Technology	16 / 17	4 years	5 years	8
B.Sc. (Elect/Civil Engineering)	16	4 years	7 years	8
B. Arch/DPT/Pharm-D	17	5 years	6 years	10
MBA	18	1 1/2 year	3 years	3
MS/M.Phil	18	2 years	4 years	4
Ph.D	21	3 years	8 years	6

Important **Information**

If a student fails in any course in a semester, he/she will have to re-register and re-take the failed course (including classes) whenever the department concerned offers it.

Students will not be allowed to register for a course whose pre-requisite has either been failed or not taken yet.

The registration will not be complete unless a student makes the required initial payment and submits the required documents to the Admissions / Student Services Office.

Registration and required payment must be completed by the dates notified for this purpose, provided that the authority concerned may, in special circumstances, permit a student to register within two weeks after the commencement of a semester.

A student admitted to a programme must register himself/herself for each semester, failing which his/her admission will stand suspended. In case he/she does not register for two consecutive semesters, his/her admission will be cancelled. Readmission of such a student will be considered as a new admission case.

Withdrawal/Change of Course(s)

When a course, for which a student is registered, cannot be offered according to the announced programme, he / she may take an alternative course. However, this must be done not later than 2 weeks after the due date of registration.

A student, with the consent of the concerned Head of Department, may be allowed to: (1) Change a course within 1 week of the commencement of a semester, or (2) Withdraw from a course within 4 weeks of the commencement of a semester.
Withdrawn courses will appear on transcript with letter grade "W".

Attendance Policy

The educational process at City University comprises to a large extent, on regular classes, make-up classes, laboratory work, in-semester tests and examinations. Failure to attend any of these can influence academic record, lead to dropping from the course, award of "F" grade or expulsion from the university.

Students must meet the attendance criterion in every course. Students with less than 75% attendance, in theory and practical / laboratory work separately, of any course, will not be allowed to sit in the final examination of that particular course.

If a student remains absent for one week continuously from all classes without any intimation, his / her admission will be suspended.

Students must take the required number of quizzes /

tests / examinations / assignments / projects, and fulfill other evaluation criteria set by the faculty. In case a student joins a course after it has started, he / she will be responsible for any missed quizzes, assignments, and lectures. No marks will be given for missed quizzes while make-up tests, assignments, projects, and labs can be arranged in consultation with the teacher / Head of Department.

The Head of Department shall grant leave to a student on the recommendation of the concerned teacher(s). The production of a medical certificate in support of leave shall be compulsory for an ailing student.

Fee

Total semester fee is payable in three equal instalments before admission / Registration, Mid Term examination and Final Term examination on or before the notified dates. Failing to do so will restrict the students from appearing in the respective examinations.

Course fee will be calculated as follows :
Total no. of credit hours in a semester x Fee per credit hour.

Students, who apply for Exemption of Course(s) / Transfer of Credits under the university rules shall pay the relevant "processing fee" for each course.

The fee may be increased by a maximum of 20% annually due to inflation.

Important **Information**

Fee Refund Schedule

Fee Deposited at the time of admission by fresh students or before the start of the semester, shall only be refunded subject to the following criteria:

- Upto 7th day of orientation / commencement of classes: 100%
- From 8th-15th day of orientation / commencement of classes: 50%
- From 16th day of orientation / commencement of classes: 0%

Examination and Evaluation

Each course shall carry 100 marks. Students will be assessed for 50% of the marks during the semester and 50% at the end of the semester.

The evaluation, in theory and laboratory work, during the semester shall be made by the teacher through tests, quizzes, time-constraint / group / major assignments, class participation & attendance, presentations, mid term examination etc.

There will be a final examination of the remaining 50% marks at the end of semester. For a course which has theory and laboratory work / practical, the student has to pass both separately. Failing in any one will result in 'F' grade and the course will have to be repeated. The university may engage external examiners for the final examination for quality control purposes. Each course offered at the university is allocated certain credit hours, which is the measure of the amount of work required for the course. For theory courses each credit hour means one contact hour of lecture while for laboratory courses each credit hour means three contact hours of practical work.

At the end of each semester, the students will be awarded letter grades and grade points according to percentage marks obtained in each course. Letter grades "W" (for withdrawn) "I" (for incomplete) and "EX" (for course exemption) will not count towards Semester Grade Point Average (SGPA)/Cumulative Grade Point Average (CGPA) computation. The letter grade "F" will be counted **towards SGPA / CGPA computation. The grade points corresponding to the HEC grading system are as below:**

Percentage Marks	Grade Point	Letter Grade
85 & above	4.00	A
80 - 84	3.67	A -
75 - 79	3.33	B+
71 - 74	3.00	B
68 - 70	2.67	B -
64 - 67	2.33	C+
61 - 63	2.00	C
58 - 60	1.67	C -
54 - 57	1.30	D+
50 - 53	1.00	D
Below 50	0:00	F

Acceptable Grades and CGPA

Programs	Minimum Passing Grades			Minimum Degree Awarding Requirement in CGPA	Improvement Allowed on Grades
	Percentage Marks	Grade Points	Letter Grade		
Bachelor	50-53	1.00	D	2.00	C- D+ D
Master	50-53	1.00	D	2.00	C- D+ D
MS/M.Phil	61-63	2.00	C	2.50	C+ C
Ph.D	68-70	2.67	B-	3	B-

The Controller of Examinations shall issue transcripts to all students on completion of each semester examination and also on completion of a specific degree programme. Request for additional copy of transcript shall be entertained on payment of requisite charges.

Students must take their examinations in a disciplined manner. Instances of indiscipline and unfair means will be dealt with according to the Unfair Means (UFM) regulations.

Calculation of SGPA/CGPA

SGPA/CGPA is calculated at the end of each semester according to the following formula:

SGPA = $\dfrac{\text{Sum over Courses in Semester (Course Credit Hours x Grade Point Earned)}}{\text{Total Semester Credit Hours}}$

CGPA = $\dfrac{\text{Sum over all taken Courses in all Semesters (Course Credit Hours x Grade Point Earned)}}{\text{Total Credit Hours Taken in all Semesters}}$

Academic Progress

Students wishing to improve their grade in a course shall be allowed to do so by re-taking the complete course according to the rules.

Normal academic progress of a student refers to maintenance of minimum CGPA required for award of the degree. A student who falls below the minimum CGPA will be placed on "First Academic Probation" for the next semester and served a written warning. If a student does not come out of probation by increasing his/her CGPA to the minimum desired CGPA, then again he/she will go on "Last Academic Probation".If the student does not come out in the "Last Academic Probation" by achieving the minimum desired CGPA, he/she shall be dropped out from the university.

Scholarships

The University offers generous scholarships to meritorious students based on their academic achievements. For further information, please contact the Admissions Office:

1. Open Merit Scholarship - I

(i) Waiver : 100% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : At least 75% marks or CGPA 3.33 / 4.00 in the preceding exam(Intermediate/Bachelor)

(iii) Renewal : A minimum of CGPA 3.33 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission. For BBA/BS A&F/BS-SE/BS-CS/BS-English/BS-MLT/BS-Mathematics/DPT/BS-Arch Programmes.

2. Open Merit Scholarship - II

(i) Waiver : 50% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : At least 65% marks or CGPA 3.00 / 4.00 in the preceding exam(Intermediate/Bachelor)

(iii) Renewal : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission. For BBA/BS A&F/BS-SE/BS-CS/BS-English/BS-MLT/BS-Mathematics/DPT/BS-Arch Programmes.

3. Merit Scholarship - I

(i) Waiver : 100% Tuition Fee (from 2nd semester & onwards)

(ii) Eligibility : A minimum of CGPA 3.33 / 4.00 in the preceding semester with full load of courses passed

(iii) Renewal : A minimum of CGPA 3.33 / 4.0 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : 5% of students Merit wise of the Batch excluding the Open Merit Scholarship-I & II. One student per batch for B.Sc. Civil/Electrical Engineering.

4. Merit Scholarship - II

(i) Waiver : 50% Tuition Fee (from 2nd semester & onwards)

(ii) Eligibility : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iii) Renewal : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : 5% of students Merit wise of the Batch excluding the Open Merit Scholarship-I & II. One student per batch for B.Sc. Civil/Electrical Engineering.

5. Goodwill Scholarship - I

(i) Waiver : 30% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : Ex-Students of Peshawar Model Educational Institutes (PMEI) / Serving employees of PMEI and their children

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

6. Goodwill Scholarship - II

(i) Waiver : 20% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : Ex-Students of Government Schools or Colleges / Retired or Serving Government Employees and their children.

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

7. Females Scholarship

(i) Waiver : 50% Tuition Fee

(ii) Eligibility : Females only

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

8. PMEI Employee Scholarship (Weekend Programs)

(i) Waiver : 100% Tuition Fee

(ii) Eligibility : Staff members of PMS/PMDC/CUSIT who served for 2 years & above.

(iii) Renewal : A minimum of 2.70 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

Terms & Conditions Apply

In all cases where regulations / Policies are silent or where there is difference of opinion about their interpretation, the decision of the committee appointed by the Vice Chancellor will be final, provided that it is not inconsistent with or repugnant to these regulations.

Requirement for the Award of Degree

Students are required to have CGPA of at least 2.0 in the Bachelor/Master, 2.5 in M.Phil/MS and 3.0 in Ph.D programmes for award of the final degree. Students are required to have GP of at least 1.00 in the Bachelor/Master, 2.33 in M.Phil/MS and 2.67 in Ph.D prgram to clear a course.

Students who fail to complete a course for reasons beyond their control may be granted grade incomplete "I". This course can be completed subsequently but before the end of the following semester by depositing the required fee. The grade "I" will then be replaced ty the earned grade.

Change of Degree Programme

At bachelor level where possible, students will have the option to change their degree programme before the completion of the first semester.

Students will be responsible to fulfill any deficiency which may occur due to this change.

Disciplinary Rules & Regulations

Exemplary conduct and discipline is expected from CUSIT students. Any student found indulging in conduct unbecoming, in the classroom or on the campus, shall be administered a stern warning. If the defaulting student does not show improvement in behavior/conduct, his/her name will be struck off the University Rolls. Friends and relatives of students are discouraged to visit during the university hours. However, in case of emergency they may contact the Information Office. Visitors are not allowed to enter classrooms, the library or the computer labs.

I. D. Cards

All students are required to possess a valid I.D. Card. Students are strictly required to display their Cards before entering University Campus, Labs, and Classrooms. Students are bound to produce I.D. Cards on demand by any University Official.

Dress Code

For males: Formal pants, slacks, khakis, jeans. dress shirts (neatly tucked in), tee shirts (only Polo necks without offensive words/images painted). Leather Shoes, joggers. shalwar kameez (only on fridays) or by special permission.

For females: Shalwar Kameez with scarf/dupata, trousers with long shirt scarf/dupata, modest make-up and jewellery, if worn. Each student, male or female, is expected to give a neat look.

Patchy, tattered and shabby looking Jeans, crew neck tee shirts, loafers, chappals are not allowed. Badly creased clothes or disheveled hair are not allowed. Students violating dress code can be fined Rs. 500 and will also not be allowed to attend classes.

Smoking/Drinking/Eating

CUSIT campus is a smoke free zone. Drinks and eatables can be taken only inside the cafeteria and allowed areas. Drinking/eating at all other places is prohibited.

We Are **Focused on Your Academic Counselling**

Establishment of Integrated Students' Counselling System (ISCS) in Fall-2016 was a step forward in the direction of documentation, tracking, reporting and maintenance of real-time assessment of every Academically Deficient Student (ADS). Monthly meetings of Student Performance Review (SPR) are presided over by the Honourable Vice Chancellor along with Students' Academic and Wellness Counsellor (SAWC), and departmental coordinators. In these meetings, progress over the whole month regarding every ADS is put forth by the SAWC and departmental coordinators. From dealing students struggling with university adjustment, advising about the impact of course selection on the overall academic performance, management of the stress of the course load, intimating the new students with the dos and don'ts of semester system to mitigating exam phobia among students especially newcomers comprise some of the aspects of the scheme of ISCS.

Facilities

Computer Laboratories

The Computer Laboratories are equipped with latest computers, printers, multimedia and other presentation equipment for the personal and academic growth of students. High speed Internet facility is available during university hours through wi-fi.

Library

A library with a variety of books in multiple disciplines is available for students. The library is also equipped with local & international journals, magazines and CDs. For research purpose, the library is equipped with Computer Systems and the digital library provided by Higher Education Commission (HEC).

Civil Engineering Laboratories & Workshops For Civil Engineering programme, Laboratories and Workshops and departmental library are available which give students hands-on practice during their practical, lab-work and workshop practice."

Electrical Engineering Laboratories & Workshops

For Electrical Engineering programmes, Laboratories and Workshops and departmental library are available which give students hands-on practice during their practical, lab-work and workshop practice.

Centrally Air-Conditioned Building

To face extreme weather conditions, the campus is centrally airconditioned, which helps to provide conducive environment for learning at the desired level.

Facilities

Book Bank & Bookshop
A Bookshop is available which caters to the needs of the students regarding book bank, photostat, stationery, basic text-books etc.

Centrally Air-conditioning, Heating, Electricity Generators and UPSs
The plant provides Centrally Air-conditioning for summer season and Centrally heating for winter season. To ensure uninterrupted power supply to the whole campus, the university has auto-start stand-by Diesel Electric Generators, Solar Energy & UPSs'

Transport

Transport facility for designated areas and routes is available to students and staff. Further detail on transport are available from the university office.

Secure Parking

For the students, staff and visitors, spacious Parking for cars, motorcycles and cycles etc is available.

Cafeteria

A neat and clean cafeteria is available to students which provides snacks, food and beverages. The place also provides them an opportunity to relax, chat and share information.

Facilities

Recreational Centre

The university has a Recreational Centre on its premises.
A variety of indoor-games such as snooker, table-tennis, chess,
etc. are provided to the students for their recreation.

Lawns

A lush-green rear lawn and multiple triangular mini front
lawns are available which add to the grandeur and beauty
of the campus. The flower-beds, ornamental plants and
the greenery add to the pleasant environment.

Mosque
An Air-Conditioned mosque with a reasonable capacity is available, which provides sufficient space to offer prayers.

Girls Common Room
A separate Girls Common Room is available to female students to relax, gossip and wait during their spare time at the campus.
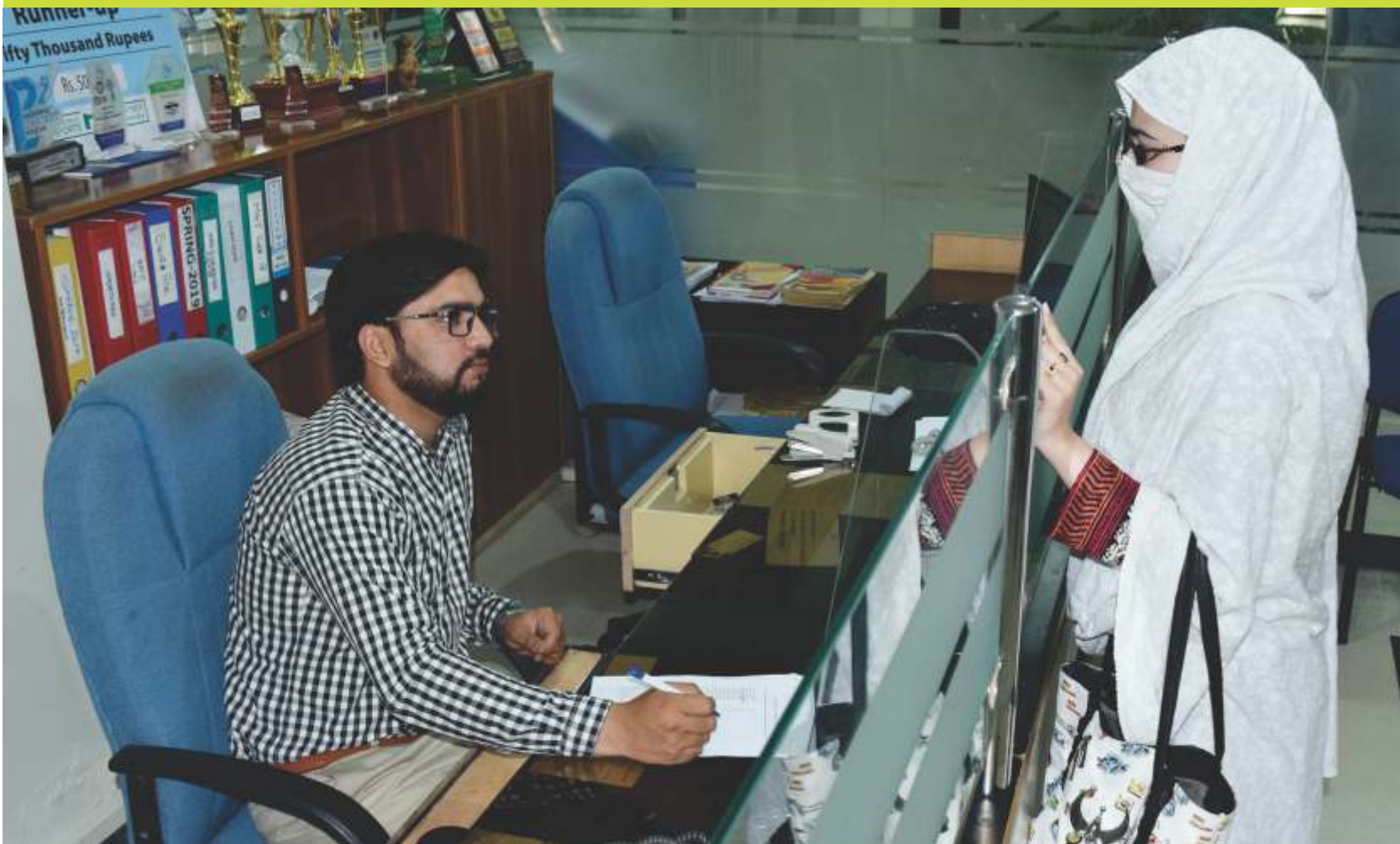
Student Life in CUSIT

Students Services Office

The Students Service Office of CUSIT works as a bridge between the students and the university.

S.S.O inspects all the student affairs and provides student services pertinent to programs offered at the university for students. Students are facilitated in providing all the information and are guided for all the rules and regulations of the university. The S.S.O provides all the services in the following matters:

Students' Counselling

Counselling of freshly admitted as well as existing students is done through a students' counsellor, available to the students during university hours. The students' counsellor works closely with students to solve their academic as well as administrative problems.

Student Life Centre

Co-Curricular Activities

The university encourages students to take part in co-curricular activities. Due importance is given to recreation and exploring the talent of students by providing them means of sports, cultural and stage performances. Students are encouraged to take part in co-curricular activities.

For this purpose CUSIT has introduced **Students Life Centre** in year 2021. The Club Come into being with the mission of empowering the students and vision to enhance their interpersonal skills for the practical life.

Following Eight student societies and Two Teams are working under the umbrella of SLC Each society is headed by the faculty member.

CUSIT Societies

- Sports society
- Debating Society
- Society of IT & Robotics
- Music Society
- Society of Literature Arts & Culture
- Excursion Society
- Welfare Society
- Women's Club
- Organizing Team
- Creative Team

CONVOCATION

12th Convocation

In the 12th Convocation, held on 6th December, 2022 in which 628 successful graduates of MS (Electrical Engineering), MS (Mathematics), MS (Software Engineering), MS (Computer Science), MS in English, M.Phil. (Education), MS (Management Sciences), M.Phil (Economics), B.Sc. Electrical Engineering, B.Sc. Civil Engineering, B.Tech (Electrical), B.Tech (Civil), BS (SE), BS (CS), M.A. English, M.Ed., BS (English), MBA (1.5 Year), M.Com, BBA, DPT, BS-MLT and B. Architecture and B.Com were conferred degrees.

Degrees were distributed by the Chief Guest Mr. Ghulam Ali, Governor, Khyber Pukhtunkhwa.

14 Gold Medals were also awarded to the outstanding graduates.

City University of Science & Information Technology
Alumni Association (CUSITAA)

The Product of an Institute is its graduates. What they become in practical life and where they reach cannot be attributed to him/her only it is the continuation of the accomplishments of their Alma-mater as well. CUSITAA is a non-political and voluntary organization, which has been established to have a social and interactive forum to work for the welfare of the present and old students.

Purpose

- Connect students for a lifetime relationship with their fellow Alumni and the University.
- Provides and Enhances Alumni support to the current students through community leadership, service and fundraising initiatives of Alumni.
- To actively contribute and initiate to arrange for the advancement and financial support of needy students of their Alma-mater.
- Provides a channel of communication between alumni and the University.
- Promotes the public image of the University and its programs.

Alumni Gathering

Academic **Programs**

City University offers degree programs that are demanding, broad and relevant to today's professional needs

Faculty of Management Sciences

- BBA
- BS-Accounting & Finance
- BS-Digital Marketing
- BS-Economics
- BS-Commerce
- M.Phil Economics
- MBA
- MS-MS (HRM/Finance/Marketing)
- Ph.D Management Sciences

Faculty of Engineering Technology and Architecture

- B.Sc. Civil Engineering
- B.Sc. Electrical Engineering
- MS Electrical Engineering
- Ph.D Electrical Engineering

Faculty of Computing & Numerical Sciences

- BS-Computer Science
- BS-Software Engineering
- BS-Data Sciences
- BS-Artificial Intelligence
- Two Year Associate Degree Program
- MS-Computer Science
- MS-Software Engineering
- Ph.D Computer Science

Faculty of Social Sciences

- BS-English (Linguistics & Literature)
- BS-Psychology
- BS-Urdu
- BS-Hindko
- M.Phil English (Linguistics & Literature)
- Ph.D English (Linguistics & Literature)

Faculty of Health Sciences

- Doctor of Pharmacy (Pharm-D)
- Doctor of Physical Therapy (DPT)
- BS-Dental Technology
- BS-Anesthesia Technology
- BS-Medical Lab. Technology (MLT)
- BS-Microbiology
- BS-Nursing
- MS-Healthcare Management

Faculty of Management Sciences

Department of
Management Sciences

BBA, BS. Accounting & Finance (ACCA Accredited with 09 Exemptions)
BS. Digital Marketing
BS. Economics, BS. Commerce,
M.Phil Economics, MBA,
MS. Management Sciences,
Ph.D Management Sciences

Faculty Members of
Management Sciences

Dr. Muhammad Asif
Associate Professor
Head, Department of Management Sciences / Acting Dean
Ph.D (Finance), Qurtuba University, Peshawar

Dr. Naveed
Associate Professor
Director Graduate Programmes
Ph.D (Finance) Abasyn University, Peshawar

Dr. Muhammad Zeeshan
Assistant Professor
Ph.D (Economics), University of Peshawar

Dr. Jangraiz Khan
Assistant Professor
Ph.D (Economics), University of Peshawar

Dr. Zain Ullah,
Assistant Professor
Ph.D (Finance), Qurtaba University, Peshawar

Dr. Zunnoorain Khan
Associate Professor / Director QEC
Ph.D (Management Sciences), SZABIST, Islamabad

Ms. Saima Bano
Lecturer
Ph.D (HRM) (In progress),
City University of Science & I.T, Peshawar
MS (HRM)

Ms. Shahnila Yousaf
Lecturer
Ph.D Marketing (In progress),
Qurtuba University, Peshawar
MBA (Marking)

Ms. Saba Gul Rehmat
Lecturer / Coordinator
MS (HRM), IMSciences, Peshawar

Mr. Ghafar Ali
Lecturer
MS (Finance)
Virtual University, Lahore Pakistan

Mr. Daniyal Saleem
Lecturer
Ph.D (Marketing) Qurtuba University, Peshawar
MBA (Marketing & Finance)

Department of
Management Sciences

Vision

"To be recognized as pioneer business school for business education, research and practices by developing entrepreneurs, business professionals and leaders who are able to face local, national and international challenges."

Mission

Our mission is to provide business education, ranging from undergraduate to post-graduate programs, which have an impact on the business world and society at large with emphasis on creation and dissemination of relevant knowledge, the creation of new and advance learning opportunities, the discovery and engagement of learners in activities that develop their professional competencies, through experienced faculty, conducive learning environment, and community engagement.

Objectives

- To produce leaders who can tackle challenging situations in contemporary business world.
- To develop business graduates with in-depth knowledge of business and related subjects.
- To produce well-groomed students that are able to compete at local, national and global level.
- To provide quality business and management education with market trends, social responsibilities and practical exposures.
- To contribute in the local and national economy by producing entrepreneurs, leaders, and business professionals.
- To create an academia-industry linkage and other understanding with the corporate world that can contribute in the learning of students, faculty and is also used as a mean of contribution to the society.

Learning Outcomes

- The students who earn the Management or Commerce degree will be able to;
- effectively utilize various human relation skills including leadership; oral and written communication; teamwork and collaboration.
- demonstrate competence in applying the tools and techniques of business management, drawing on a broad-based knowledge of the major functions like accounting, economics, finance, information systems, marketing, strategy and management to solve complex business problems and make sound business decisions.
- use qualitative, quantitative methods and analytic tools to diagnose business challenges; identify, and analyze alternatives in a business context.
- think critically and creatively in seeking solutions to establish new business ventures.

Department of
Management Sciences

0248 Bachelor of Business Administration

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Code	Course Title	Credit Hours
-------	Financial Accounting-I	3
-------	Business in Contemporary World	3
-------	Principles of Management	3
-------	Introduction to Philosophy	2
-------	Introduction to computing	3
-------	Functional English	3

2nd Semester

Code	Course Title	Credit Hours
-------	Financial Accounting-II	3
-------	Human Resource Management	3
-------	Introduction to Sociology	3
-------	Business Mathematics	3
-------	Islamic Studies	2
-------	Ideology & Constitution of Pak.	2

3rd Semester

Code	Course Title	Credit Hours
-------	Expository Writing	3
-------	Introduction to Economics	3
-------	Entrepreneurship	3
-------	Business Finance	3
-------	Principles of Marketing	3
-------	Comm. & presentation skills	3

4th Semester

Code	Course Title	Credit Hours
-------	Business Statistics	3
-------	Environmental Sciences	3
-------	Civics & Comm. Engagement	2
-------	Financial Management	3
-------	Marketing Management	3
-------	Globalization & Eco. Integration	3

5th Semester

Code	Course Title	Credit Hours
-------	Cost Accounting	3
-------	Management Information System	3
-------	Consumer Behavior	3
-------	Small & Medium Business Mgt.	3
-------	Business Laws	3
-------	International Relations	3

6th Semester

Code	Course Title	Credit Hours
-------	Organizational Behavior	3
-------	Corporate Governance	3
-------	International Business Mgt.	3
-------	Money, Banking & Finance	3
-------	Intro. to Artificial Intellegence	3
-------	Internship/Field Work	3

7th Semester

Code	Course Title	Credit Hours
-------	Strategic Management	3
-------	Operations Management	3
-------	Business Res. & Report Writing	3
-------	Minor 1	3
-------	Minor 2	3

8th Semester

Code	Course Title	Credit Hours
-------	Leadership	3
-------	Business analytics	3
-------	Capstone project	3
-------	Minor 3	3
-------	Minor 4	3

Department of
Management Sciences

Elective Courses for Specialization in Bachelor of Business Administration

A. Human Resource Management

HRM-401	Organizational Development
HRM-402	Human Resource Development
HRM-403	Strategic Human Resource Management
HRM-404	Training & Development
HRM-405	Compensation Management
HRM-406	Industrial & Labour Laws
HRM-407	Staffing & Performance Management
HRM-408	Change Management
HRM-409	Conflict Management
HRM-412	Case Studies in HRM

B. Finance

FIN-401	Islamic Banking
FIN-402	Financial Institutions & Capital Markets
FIN-403	Investment & Portfolio Management
FIN-404	Financial Statement Analysis
FIN-405	Islamic Financial System
FIN-406	Corporate Finance
FIN-407	Micro Business and Islamic Finance
FIN-408	Business Taxation
FIN-409	Financial Management
FIN-410	Islamic Banking & Finance

C. Marketing

MKT-401	Strategic Marketing
MKT-402	Consumer Behavior
MKT-403	International Business
MKT-404	Advertising
MKT-405	Marketing of Services
MKT-406	Contemporary Issues in Marketing
MKT-407	New Product Management
MKT-408	Strategic Brand Management
MKT-409	Social Marketing
MKT-410	Export Marketing
MKT-412	Integrated Marketing Communication
MKT-413	International Marketing

D. Entrepreneurship

MGT-314	Generating New Startup and Venture ideas
MGT-315	New Venture Feasibility
MGT-316	Entrepreneurial Strategies
MGT-317	Social Innovation and Entrepreneurship
MGT-318	Product Design and Marketing
MGT-319	Project Integration and Planning
MGT-320	Environmental Issues and Ecosystem for Business
MGT-321	Corporate Entrepreneurship
MGT-322	Entrepreneurship Theories

Note: Number of elective courses for specialization is not limited to the above mentioned list.

Department of
Management Sciences

0268   BS Accounting & Finance

ACCA Accredited with Nine (09) Exemptions

Shift : **Morning**
Duration : **4 Years, 8 Semesters, 130 Credit Hours**
Eligibility : **Intermediate or equivalent qualification with at least 50% marks from any recognized Board.**

1st Semester

Code	Course Title	Credit Hours
-------	Financial Accounting-I	3
-------	Business in Contemporary World	3
-------	Introduction to management	3
-------	Functional English	3
-------	Introduction to Philosophy	2
-------	Introduction to computing	3

2nd Semester

Code	Course Title	Credit Hours
-------	Human Resource Management	3
-------	Financial Accounting –II	3
-------	Introduction to Sociology	3
-------	Business Mathematics	3
-------	Islamic Studies	2
-------	Ideology and Con. of Pakistan	2

3rd Semester

Code	Course Title	Credit Hours
-------	Business Finance	3
-------	Cost Accounting	3
-------	Comm. and presentation skills	3
-------	Expository Writing	3
-------	Introduction to Economics	3
-------	Entrepreneurship	3

4th Semester

Code	Course Title	Credit Hours
-------	Globalization & Economic Integ.	3
-------	Principles of Auditing	3
-------	Financial Management	3
-------	Environmental Sciences	3
-------	Civics and Community Engag.	2
-------	Business Statistics	3

5th Semester

Code	Course Title	Credit Hours
-------	Money Banking & Finance	3
-------	Principles of marketing	3
-------	Financial Reporting	3
-------	Managerial Accounting	3
-------	Intro. to Artificial Intellegence	3
-------	Small & Medium Business Mgt.	3

6th Semester

Code	Course Title	Credit Hours
-------	Corporate Finance	3
-------	Business Taxatuion	3
-------	Corporate Governance	3
-------	Methods io Business Research	3
-------	Business Law	3
-------	Internship/Field Work	3

7th Semester

Code	Course Title	Credit Hours
-------	Corporate law	3
-------	Islamic Banking and finance	3
-------	International Business Mgt.	3
-------	Advance Taxation	3
-------	Advance Auditing	3

8th Semester

Code	Course Title	Credit Hours
-------	Accounting Software	3
-------	Financial Markets & Institutions	3
-------	Capstone Project	3
-------	Advance Accounting	3
-------	Performance Management	3

Elective Courses for Specialization

FIN-404	Financial Statement Analysis
FIN-402	Financial Institution and Capital Market
FIN-413	Strategic Finance
FIN-418	Corporate Risk Management
FIN-405	Islamic Financial System
FIN-403	Investment & portfolio Management
FIN-411	Merger & Acquisition
FIN-414	Case studies in Finance
FIN-416	Treasury and Fund Management
ACC-406	Advance Auditing
ACC-408	Accounting Information System
ACC-403	Advance Financial Accounting
ACC-409	Financial Reporting

ACCA Exempted Courses

ACC-208	Managerial Accounting
FIN-412	Performance Management
FIN-408	Business Taxation
FIN-417	Advance Taxation
ACC-407	Financial Reporting
ACC-210	Advance Accounting
ACC-205	Principles of Auditing
ACC-406	Advance Auditing
FIN-303	Financial Management
FIN-301	Business Finance
FIN-505	Corporate Finance

Department of
Management Sciences

270   BS Digital Marketing

Shift   :   Morning
Duration   :   4 Years, 8 Semesters, 130 Credit Hours
Eligibility :   Intermediate or equivalent qualification with at least 50% marks from any recognized Board.

1st Semester

Code	Course Title	Credit Hours
-------	Financial Accounting I	3
-------	Principles of Marketing	3
-------	Introduction to Management	3
-------	Functional English	3
-------	Introduction to Philosophy	2
-------	Introduction to computing	3

2nd Semester

Code	Course Title	Credit Hours
-------	Introduction to Digital Marketing	3
-------	Marketing Management	3
-------	Introduction to Sociology	3
-------	Business Mathematics	3
-------	Islamic Studies	2
-------	Ideology and Con. of Pakistan	2

3rd Semester

Code	Course Title	Credit Hours
-------	Expository Writing	3
-------	Introduction to Economics	3
-------	Entrepreneurship	3
-------	E-Commerce	3
-------	Human Resource Management	3
-------	Communication and presentation skills	3

4th Semester

Code	Course Title	Credit Hours
-------	Business Statistics	3
-------	Environmental Sciences	3
-------	Civics & Community Engagement	2
-------	IT tools for Digital Marketing	3
-------	Social Media Marketing	3
-------	Digital Economy of Pakistan	3

5th Semester

Code	Course Title	Credit Hours
-------	Search engine optimization	3
-------	Organization behavior	3
-------	Online Consumer Behavior	3
-------	Total Quality Management	3
-------	Marketing Information System	3
-------	Small & Medium Business Mgt.	3

6th Semester

Code	Course Title	Credit Hours
-------	Online Store Development	3
-------	Marketing Research Methods	3
-------	Cyber Law and policy	3
-------	Mobile Marketing	3
-------	Intro. to Artificial Intelligence	3
-------	Internshi/ Field Work (summers option is available)	3

7th Semester

Code	Course Title	Credit Hours
-------	International Business Mgt.	3
-------	Digital Sales Management	3
-------	Electronic Integrated Marketing Communication	3
-------	Minor 1	3
-------	Minor 2	3

8th Semester

Code	Course Title	Credit Hours
-------	Business strategy/ Brand Mgt.	3
-------	Working in Virtual Teams	3
-------	Capstone Project	3
-------	Minor 3	3
-------	Minor 4	3

Department of
Management Sciences

0274   BS Economics

Shift   :   Morning
Duration   :   4 Years, 8 Semesters, 130 Credit Hours
Eligibility :   Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Code	Course Title	Credit Hours
-------	Principles of Microeconomics	3
-------	International Relations	3
-------	Functional English	3
-------	Introduction to Philosophy	2
-------	Introduction to computing	3
-------	Basic Mathematics	3

2nd Semester

Code	Course Title	Credit Hours
-------	Principles of Macroeconomics	3
-------	Intermediate Microeconomics	3
-------	Sociology	3
-------	Technical Writing	3
-------	Statistics I	3
-------	Issues in Pakistan Economy	3

3rd Semester

Code	Course Title	Credit Hours
-------	Environmental Sciences	3
-------	Islamic Studies	2
-------	Entrepreneurship	3
-------	Statistics II	3
-------	Intermediate Macroeconomics	3
-------	Comm. and presentation skills	3

4th Semester

Code	Course Title	Credit Hours
-------	Public Finance	3
-------	Ideology and con. of Pakistan	2
-------	Civics & Community Engagement	2
-------	Mathematical Economics	3
-------	Development Economics	3
-------	Introduction to Political Science	3

5th Semester

Code	Course Title	Credit Hours
-------	Econometrics - I	3
-------	Microeconomic Analysis	2
-------	Monetary Economics	3
-------	Globalization & Econ. Integration	3
-------	Economics of Environment and Natural Resources	3
-------	Human Resource Development	3

6th Semester

Code	Course Title	Credit Hours
-------	Operations Research and Mathe. Programing	3
-------	Econometrics - II	2
-------	Macroeconomic Analysis	2
-------	Project Planning and Evaluation	3
-------	Research Methodology	3
-------	Internship/ Field Work (summers option is available)	3

7th Semester

Code	Course Title	Credit Hours
-------	International Economics	3
-------	History of Economics	3
-------	Islamic Economics	3
-------	Minor 1	3
-------	Minor 2	3

8th Semester

Code	Course Title	Credit Hours
-------	Financial Economics	3
-------	Population Economics	3
-------	Capstone Project	3
-------	Minor 3	3
-------	Minor 4	3

A. Non Economics Elective Courses for BS Economics

Code	Course Title
HUM-103	Sociology
HUM-105	Education
PSY-101	Psychology
HUM-204	History
HUM-202	Geography
HUM-401	Philosophy
MTS-204	Mathematics
MGT-307	Business Law
MGT-314	Business Administration

B. Economics Elective Courses for BS Economics

Code	Course Title
ECO-204	Institutional Economics
ECO-205	Industrial Economics
ECO-206	Welfare Happiness Economics
ECO-207	Labor Economics
ECO-312	Population Economics
ECO-313	Comparative Economics System
ECO-314	Agricultural Economics
ECO-315	Regional Economics
ECO-316	Energy Economics
ECO-317	Political Economy

Department of
Management Sciences

BS Commerce

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% in any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Principles of Accounting	3
------	Business in Contemporary World	3
------	Principles of Management	3
------	Introduction to Philosophy	2
------	Introduction to computing	3
------	Functional English	3

2nd Semester

Code	Course Title	Credit Hours
------	Financial Accounting	3
------	Human Resource Management	3
------	Introduction to Sociology	3
------	Business Mathematics	3
------	Islamic Studies	2
------	Ideology and Con. of Pakistan	2

3rd Semester

Code	Course Title	Credit Hours
------	Expository Writing	3
------	Introduction to Economics	3
------	Entrepreneurship	3
------	Advanced Accounting-I	3
------	Principles of Marketing	3
------	Comm. and presentation skills	3

4th Semester

Code	Course Title	Credit Hours
------	Business Statistics	3
------	Environmental Sciences	3
------	Civics & Community Engagement	2
------	Advanced Accounting-II	3
------	Introduction to Business Finance	3
------	Globalization & Eco. Integration	3

5th Semester

Code	Course Title	Credit Hours
------	Cost Accounting	3
------	Money, Banking & Finance	3
------	Financial & Regulatory Institutions	3
------	Auditing	3
------	Business Laws	3
------	Small & Medium Business Management	3

6th Semester

Code	Course Title	Credit Hours
------	Financial Management	3
------	Research Methods in Business	3
------	International Business Mgt.	3
------	Principles of Risk Mgt. & Insurance	3
------	Intro. to Artificial Intelligence	3
------	Internship/ Field Work (summers option is available)	3

7th Semester

Code	Course Title	Credit Hours
------	Managerial Accounting	3
------	Project Management	3
------	Operations Management	3
------	Minor 1	3
------	Minor 2	3

8th Semester

Code	Course Title	Credit Hours
------	Business Taxation	3
------	Corporate Governance	3
------	Capstone Project	3
------	Minor 3	3
------	Minor 4	3

Department of
Management Sciences

Elective Courses for Specialization in BS Commerce

A. Accounting and Finance

ACC-304	Corporate Accounting
FIN-203	Taxation
MGT-307	Company Law
ACC-205	Auditing
ACC-206	Cost Accounting
ACC-202	Money and Banking
ACC-403	Accounting Theory
ACC-305	Advanced Financial Accounting
ACC-306	Cost Management
ACC-307	Accounting Information Systems
ACC-308	Accounting for Specialized Concerns
FIN-305	Corporate Taxation
ACC-309	Seminar in Accounting and Finance
FIN-406	Corporate Finance
FIN-306	Mathematics of Finance
FIN-402	Capital Markets in Pakistan
FIN-404	Financial Statement Analysis
FIN-307	Risk Management in Banking Industry
FIN-403	Investment Management
FIN-410	Islamic Banking

B. Human Resource Management

HRM-401	Organizational Development
HRM-405	Compensation Management
HRM-409	Conflict & Management
HRM-303	Conflict & Negotiation Management
HRM-402	Human Resource Development
HRM-408	Change Management
HRM-404	HRM Training and Development
HRM-304	Organizational Theory
HRM-412	Case Studies in HRM
HRM-407	Staffing & Performance Management

C. Marketing Management

MKT-401	Strategic Marketing
MKT-402	Consumer Behavior
MKT-403	International Business
MKT-404	Advertising
MKT-202	Marketing of Services
MKT-406	Contemporary Issues in Marketing
MKT-407	New Product Management
MKT-409	Social Marketing
MKT-410	Export Marketing
MKT-412	Integrated Marketing Communication
MKT-413	International Marketing

*Number of Elective courses for specialization is not limited to the above mentioned list.

Department of
Management Sciences

0314   Master of Business Administration

Shift   :   Weekend
Duration   :   1.5 years, 3 semesters, 36 credit hours
Eligibility   :   BBA (4 years) or BBS (2 years) degree with CGPA 2.00/4.00 from any HEC recognized university.

1st Semester

Code	Course Title	Credit Hours
ACC-501	Managerial Accounting	3
FIN-520	Strategic Finance	3
MGT-502	Advanced Research Methodology	3
MGT-505	Advanced Strategic Management	3

2nd Semester

Code	Course Title	Credit Hours
MGT-503	Project Management	3
MKT-505	Strategic Marketing Management	3
-------	Elective-I (HRM/FIN/MKT)	3
-------	Elective-II (HRM/FIN/MKT)	3
MGT-599	Dissertation/Research Project-I	3

3rd Semester

Code	Course Title	Credit Hours
-------	Elective-III (HRM/FIN/MKT)	3
-------	Elective-IV (HRM/FIN/MKT)	3
-------	Dissertation/Research Project	3

0324   Master of Business Administration

Shift   :   Weekend
Duration   :   2 years, 4 semesters, 66 credit hours
Eligibility   :   16 years (Non-Business Degree in any Discipline) having at least 2 division with 45% or equivalent qualification with CGPA 2.00/4.00 from any HEC recognized University

1st Semester

Code	Course Title	Credit Hours
ECO-503	Principles of Management	3
MGT-521	Business Mathematics	3
MTS-521	Financial Accounting	3
ACC-504	Business Law	3
MGT-518	Human Resource Management	3
HRM-523	Principle of Marketing	3

2nd Semester

Code	Course Title	Credit Hours
ECO-502	Micro Economics	3
ENG-524	Business Communication	3
MTS-520	Business Statistics	3
FIN-527	Business Finance	3
MKT-516	Marketing Management	3
MGT-502	Advance Research Methods	3

3rd Semester

Code	Course Title	Credit Hours
ACC-501	Managerial Accounting	3
MGT-512	Macro Economics	3
MGT-505	Strategic Management	3
-------	Elective-I	3
-------	Elective-II	3
MGT-599	Dissertation / Research Project	3

4th Semester

Code	Course Title	Credit Hours
-------	Entrepreneurship	3
-------	Organizational Behavior and Leadership	3
MGT-599	Production & Operation Management	3
HRM-524	Elective-III	3
-------	Elective-IV	3
MGT-599	Dissertation / Research Project	3

Department of
Management Sciences

Elective Courses For Specialization:

A. HRM
HRM-501   Motivation
HRM-502   Applied Research in HRM
HRM-503   Strategic Human Resource Management
HRM-504   Organizational Development
HRM-505   Conflict and Negotiation Management
HRM-506   Micro Organizational Dynamics
HRM-507   Training and Development
HRM-508   Compensation Management
HRM-509   Staffing and Performance Management
HRM-510   Change Management
HRM-511   Organizational Theory Design & Change
HRM-512   Contemporary Issues in HRM
HRM-513   Conflict Management
HRM-514   International Human Resource Management
HRM-515   Case Studies in HRM

B. Finance
FIN-501   International Trade, Finance & Foreign
           Exchange
FIN-502   Credit Management
FIN-504   Financial Statement Analysis
FIN-505   Corporate Finance
FIN-506   Advance Investment & Portfolio
           Management
FIN-507   Financial Risk Management
FIN-508   Micro Business & Islamic Finance
FIN-509   Corporate Governance
FIN-510   Accounting & Auditing Standards for
           Islamic Banks
FIN-511   Financial Institutions & Capital Markets
FIN-512   Strategic Financial Management
FIN-513   Theory of Finance
FIN-514   Merger & Acquisitions
FIN-515   Case Studies in Finance
FIN-516   Islamic Banking & Takaful
FIN-517   Income Tax Law

C. Marketing
MKT-501   Brand Management
MKT-502   Marketing Research
MKT-503   Integrated Marketing Communication
MKT-504   Marketing of Services
MKT-506   Advance Marketing Strategies
MKT-507   International Marketing
MKT-508   Strategic Brand Management
MKT-509   New Product Management
MKT-510   Contemporary Issues in Marketing
MKT-511   Advertising
MKT-512   Social Marketing

*Number of Elective courses for specialization are not
 limited to the above mentioned list.

D. Project Management
Project Risk Management
Project Human Resource Management
Project Monitoring & Evaluation
Advance Project Management
Public Sector Project Management
Disaster Management
Project Procurement
Government Projects (PC1-5)
Supply Chain Management
Operations Research
Environmental Assessment
Financial Decision Analysis
Software Project Management
Project Change Management

E. Logistics and Supply Chain Management
Supply Chain Management
Logistics and Transportation
Inventory and Warehouse Management
Operations Management
Operations Research
Supply Chain Strategy
Procurement Management
Supply Chain Accounting and Finance
MIS and E-Business
Case Studies in Logistics and Supply Chain Management
Freight Transportation
Humanitarian Logistics

F. Healthcare Management
Healthcare Management
Supply Chain Management
Logistics Management
Leadership and Team Management
Operations Management
Medical Devices and Diagnostics
Negotiation and Communication
Healthcare Financial Management

G. Pharmaceutical Management
Pharmaceutical Selling
Intro to Pharma Regulatory Affairs
Pharma Business Strategy
Supply Chain Management
Medical Devices and Diagnostic
Negotiation and Communication

H. Hospitality and Tourism Management
Public Relations
Event Management
Tourism and Hospitality Laws and Ethics
Hospitality Infrastructure
Issues in Tourism and Hospitality Management
Tourism Policies
Hospitality Management
Leadership and Team Management
Restaurant Management
Sustainable Tourism
Conflict and Negotiation Management

0318 Master of Philosophy in Economics

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : M.Sc/MA in Economics / BS Economics with 16 years of education with at least 50% marks or CGPA 2.50 / 4.00 from any HEC recognized university and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Code	Course Title	Credit Hours
ECO-603	Advanced Micro Economics	3
ECO-604	Econometrics-I	3
-------	Elective-I	3

2nd Semester

Code	Course Title	Credit Hours
ECO-606	Econometrics-II	3
ECO-607	Advanced Macro Economics	3
-------	Elective-II	3
-------	Elective-III	3

3rd Semester

Code	Course Title	Credit Hours
-------	Elective-IV	3
ECO-699	Research Thesis	3

4th Semester

Code	Course Title	Credit Hours
ECO-699	Research Thesis	3

Elective Courses for M.Phil Economics

ECO-605	Economics of Natural Resources & Environment
HRM-613	Human Resource Development & Management
FIN-608	Project Analysis & Investment Decision Making
ECO-601	Advanced Managerial Economics
ECO-614	Topics in Public Sector Economics
ECO-610	Issues in Agricultural Economics
ECO-613	Public Sector Economics
ECO-609	Issues in Islamic Economics
MGT-607	Research Methodology

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Management Sciences

0308 **Master of Science in Management Sciences**
Specialization: Human Resource Management / Finance / Marketing

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : 4 years (BBA/BBIT), B.Com (4 years), MBA/MPA (16 years), MA/M.Sc. Economics/M.Com/ ICMA/CA or equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized university. GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Code	Course Title	Credit Hours
MGT-601	Advance Research Methods	3
MGT-603	Strategic Management	3
MGT-608	Contemporary Issues in Management	3

2nd Semester

Code	Course Title	Credit Hours
MKT-602	Strategic Marketing	3
-------	Elective-I (HRM/FIN/MKT)	3
-------	Elective-II (HRM/FIN/MKT)	3

3rd Semester

Code	Course Title	Credit Hours
-------	Elective-III (HRM/FIN/MKT)	3
-------	Elective-IV (HRM/FIN/MKT)	3
MGT-699	Research Thesis	3

4th Semester

Code	Course Title	Credit Hours
MGT-699	Research Thesis	3

Elective Courses For Specialization

A. HRM

HRM-601	Compensation Management
HRM-602	Training & Development
HRM-603	Organizational Development & Change Management
HRM-604	Recruitment & Selection
HRM-605	Conflict & Negotiation
HRM-606	Organizational Development
HRM-607	Strategic Human Resource Management
HRM-608	Contemporary Issues in HRM
HRM-609	Workforce Diversity Management
HRM-610	International HRM
HRM-611	Leadership & Motivation Techniques
HRM-612	Case Studies in HRM
HRM-613	Human Resource Management & Development
HRM-614	Legal & Ethical Environment of Business

B. Finance

FIN-601	Investment & Portfolio Management
FIN-602	Advanced Financial Management
FIN-603	Islamic Financial System
FIN-605	Corporate Governance
FIN-606	International Banking Systems
FIN-607	International Finance
FIN-608	Project Analysis & Investment Decision
FIN-609	Corporate Finance
FIN-610	Merger & Acquisition
FIN-611	Case Studies in Finance
FIN-612	Financial Risk Management

C. Marketing

MKT-601	Advanced Marketing Strategies
MKT-603	Social Marketing
MKT-604	Brand Management
MKT-605	Strategic Marketing Management
MKT-606	Marketing of Services
MKT-607	International Marketing
MKT-608	Marketing Research
MKT-609	Integrated Marketing Communication
MKT-610	Export Marketing
MKT-611	Digital Marketing

Note:
Specialization subjects can be offered other than the given list, subject to the current market needs and availability of faculty member.

Department of
Management Sciences

0408 Ph.D Management Sciences

Shift : Weekend
Duration : 3 Years, 6 Semesters, 48 Credit Hours
Eligibility : MS-MS / M.Phil degree from an HEC recognized university with CGPA of 3.00 / 4.00 or 60% marks equivalent degree (foreign or national) in the relevant field is required.
A valid GAT subject test with minimum of 60% score or ETS-GRE (Subject) passed with 50% score is mandatory for admission.
In case of course based MS the applicant should have published a research paper in HEC X or Y category Journal as principal author.

1st Semester

Code	Course Title	Credit Hours
MGT-701	Current Issues in Management	3
MGT-702	Quantitative Research Techniques	3
MGT-703	Qualitative Research Techniques	3

2nd Semester

Code	Course Title	Credit Hours
-------	Elective-I (Marketing/ Finance/ HRM)	3
-------	Elective-II (Marketing/ Finance/ HRM)	3
-------	Elective-III (Marketing/ Finance/ HRM)	3

3rd to 6th Semester

Code	Course Title	Credit Hours
MGT-799	Ph.D Thesis	30

Elective Courses For Specialization

A HRM

HRM-701	Compensation Management
HRM-702	Training & Development
HRM-703	Organizational Development & Change Management
HRM-704	Recruitment & Selection
HRM-705	Conflict & Negotiation
HRM-706	Organizational Development
HRM-707	Strategic Human Resource Management
HRM-708	Contemporary Issues in HRM
HRM-709	Workforce Diversity Management
HRM-710	International HRM
HRM-711	Leadership & Motivation Techniques
HRM-712	Case Studies in HRM
HRM-713	Human Resource Information Systems
HRM-714	Legal & Ethical Environment of Business

B. Finance

FIN-701	Investment & Portfolio Management
FIN-702	Advanced Financial Management
FIN-703	Islamic Financial System
FIN-705	Corporate Governance
FIN-706	International Banking Systems
FIN-707	International Finance
FIN-708	Project Analysis & Investment Decision
FIN-709	Corporate Finance
FIN-710	Merger & Acquisition
FIN-711	Case Studies in Finance
FIN-712	Financial Risk Management

C. Marketing

MKT-701	Advanced Marketing Strategies
MKT-702	Social Marketing
MKT-703	Brand Management
MKT-704	Strategic Marketing Management
MKT-705	Marketing of Services
MKT-706	International Marketing
MKT-707	Marketing Research
MKT-708	Integrated Marketing Communication
MKT-709	Export Marketing
MKT-710	Digital Marketing

Note:
Specialization subjects can be offered other than the given list, subject to the current market needs and availability of faculty member.

Faculty of Engineering, Technology and Architecture

Department of
Civil Engineering
B.Sc. Civil Engineering

Faculty Members of
Civil Engineering

Prof. Dr. Noor ul Amin
Professor (Head of Department)
Ph.D (Geotechnical Engineering) Osaka University, Japan
MS (Geotechnical Engineering) Asian Institute of Technology, Thailand
BS. (Geotechnical Engineering) UET, Peshawar

Engr. Dr. Muhammad Mahboob Alam, Associate Professor
Ph.D Civil Engineering (Water Resources)
University of Stuttgart, Germany

Engr. Aziz Ahmad, Assistant Professor/Incharge
MS Civil Engineering (Water Resources)
University of Engineering & Technology, Peshawar

Engr. Syed Bilal Ahmed Shah, Lecturer/OBE Coordinator
M.Sc. Civil Engineering (Structural Engineering)
MCE, Rislapur

Engr. Johar Hafeez, Lecturer
MS Civil Engineering (Structural Engineering)
University of Engineering & Technology, Peshawar

Engr. Waleed Ahmad, Lecturer
MS Civil Engineering (Water Resources)
University of Engineering & Technology, Peshawar

Engr. Kamran Khan, Lecturer
M.Sc. Civil Engineering (Transportation Engineering)
Abasyn University, Peshawar

Engr. Muhammad Mashhood Khan, Lecturer
MS Civil Engineering (Construction Management)
CECOS University, Peshawar

Engr. Rozi Khan, Lab Engineer
B.Sc, Civil Engineering, Sarhad University, Peshawar

Engr. Hizb Ullah Khan, Lab Engineer
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Asmat Ullah, Lab Engineer
B.Sc. Civil Engineering, UET, Peshawar

Department of
Civil Engineering

Introduction

Department of Civil Engineering was established in 2014 in lower case the short and long term requirements of industrial/commercial organizations of Pakistan for graduates in Civil Engineering. Subsequent to the decision of the Board of Governors for starting the discipline of Civil Engineering, university improved its infrastructure in accordance with the Pakistan Engineering Council (PEC) guidelines and developed purpose-built classrooms, laboratories and allied facilities.

The 86th EA & QEC/EAB meeting of Pakistan Engineering Council held on March 29-30 and April 8, 2018 at Islamabad, granted accreditation to the first batch of Civil Engineers. The department is now in the process of applying for change of scope (increased intake) to the accreditation body.

Outcome Based Education(OBE) Model in Civil Engineering

To enhance the quality of education and learning process, Department of Civil Engineering, CUSIT, has adopted OBE (Outcome Based Education) model of Washington Accord, USA. Student's assessment is based on the achievement of specified goals (outcomes).This model focuses on the outcomes of learning, rather than traditional teaching system.

Vision & Mission of Department of Civil Engineering

The Vision of the department is to provide State-of-the-Art education in Civil Engineering that enables new generation of Civil Engineers to meet the challenges of the future, promote a sense of scholarship, leadership and service to the mankind through creativity and innovations.

The Mission of the CE department can be summarized as

"To produce graduates equipped with education, in-depth knowledge and relevant soft and technical skills to develop effective socio-economical engineering solutions for meeting the present and future challenges."

Program Educational Objectives (PEOs):

The graduates of Civil Engineering Program after 4-5 years of graduation will:

PEO-1: Successfully practice Civil Engineering at the appropriate level.

PEO-2: Demonstrate necessary background knowledge and communication skills to work professionally in one or more relevant areas of Civil Engineering.

PEO-3: Participate in societal activities with recommended social and ethical values.

PEO-4: Demonstrate pursual of continued lifelong learning with the prospect of attaining sustainable goals.

Program Learning Outcomes (PLOs):

The PLOs define by Washington accord will be customized to the needs of Civil Engineering Programme.

PLO-1: Engineering Knowledge: An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PLO-2: Problem Analysis: An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PLO-3: Design/Development of Solutions: 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.

PLO-4: Investigation: An ability to investigate complex engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

Department of
Civil Engineering

PLO-5: Modern Tool Usage: An ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex engineering activities, with an understanding of limitations.

PLO-6: The Engineer and Society: An ability to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to complex engineering problems.

PLO-7: Environment and Sustain ability: An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge, and need for sustainable development.

PLO-8: Ethics: Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.

PLO-9: Individual and Team Work: An ability to work effectively, as an individual or in a team, on multifaceted and /or multi disciplinary settings.

PLO-10: Communication: An ability to communicate effectively, orally as well as in writing, 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, make effective presentations, and give and receive clear instructions.

PLO-11: Project Management: An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multi disciplinary environment.

PLO-12: Lifelong Learning: An ability to recognize importance of, and pursue life long learning in the broader context of innovation and technological developments.

Scheme of Studies

Courses offered to the students are selected by the Department from the given list of HEC/PEC approved courses and approved by statutory bodies of the university. The Courses work comprise of theory courses, laboratory courses, survey camp and final year project.

During the 7th and 8th semesters, students carry out group projects and submit project reports. The project comprises of 3 credit hours in each semester. Grade "I" (Incomplete) is awarded for the project in 7th semester, which is converted into earned letter grade at the end of 8th semester, based on student's performance in both semesters.

Further more, students are also taken out of campus for survey cam to apply the knowledge of survey in field.

Department of
Civil Engineering

0252   B.Sc. Civil Engineering

Shift   : **Morning**
Duration   : **4 Years, 8 Semesters, 132 Credit Hours**
Eligibility : **F.Sc. (Pre-Engineering) / DAE (Civil) or equivalent with at least 60% marks form any recognized Board and Entrance test conducted by Educational Testing & Evaluation Agency (ETEA)**

1st Semester

Course	Course Title	Credit Hours
CE-111	Civil Engineering Materials	2
CE-112	Basic Electro-Mechanical Engg.	2
CE-112(L)	Basic Electro-Mechanical Engg.	1
CE-113	Engineering Drawing	2
CE-113(L)	Engineering Drawing	1
ENG-115	English Language Skills	2
MTS-117	Applied Calculus/Maths-I	3
HUM-101	Islamic Studies	2

2nd Semester

Course	Course Title	Credit Hours
CE-121	Properties of Concrete	2
CE-121 (L)	Properties of Concrete	1
CE-122	Engineering Mechanics	3
CE-122 (L)	Engineering Mechanics	1
CSC-220 (L)	Intro. to Computer Applications	1
HUM-102	Pakistan Studies	2
MTS-116	Differential Equations/Math-II	3
HUM-108	Professional Ethics	2

3rd Semester

Course	Course Title	Credit Hours
CE-211	Engineering Surveying-I	2
CE-211 (L)	Engineering Surveying-I	1
CE-212	Mechanics of Solids-I	3
CE-212 (L)	Mechanics of Solids-I	1
CE-213	Construction Engineering	2
CE-214 (L)	Computer Aided Civil Engineering Drawing & Graphics	1
MTS-305	Numerical Analysis/Maths-III	3
MTS-307	Probability and Statistics/Maths-IV	3

4th Semester

Course	Course Title	Credit Hours
CE-221	Mechanics of Solids-II	3
CE-221 (L)	Mechanics of Solids-II	1
CE-222	Structural Analysis-I	3
CE-223	Fluid Mechanics-I	3
CE-223 (L)	Fluid Mechanics-I	1
CE-224	Engineering Surveying-II	2
CE-224 (L)	Engineering Surveying-II	1
CE-225	Architecture & Town Planning	2

5th Semester

Course	Course Title	Credit Hours
CE-311	Fluid Mechanics-II	3
CE-311 (L)	Fluid Mechanics-II	1
CE-312	Structural Analysis-II	4
CE-313	Geotechnical Engineering-I	3
CE-313 (L)	Geotechnical Engineering-I	1
CE-314	Environmental Engineering-I	2
CE-314 (L)	Environmental Engineering-I	1
CE-315 (L)	Introduction to QGIS	1
CE-316	Engineering Geology	2

6th Semester

Course	Course Title	Credit Hours
CE-321	Geotechnical Engineering-II	3
CE-321 (L)	Geotechnical Engineering-II	1
CE-322	Transportation Engineering-I	3
CE-323	Reinforced Concrete Design-I	4
CE-324	Environmental Engineering-II	2
ECO-303	Engineering Economics	2
ENG-201	Business Communication	2

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Civil Engineering

Course	Course Title	Credit Hours
CE-411	Reinforced Concrete Design-II	3
CE-411(L)	Reinforced Concrete Design-II	1
CE-412	Quantity Surveying & Estimation	2
CE-413	Transportation Engineering-II	3
CE-413 (L)	Transportation Engineering-II	1
CE-414	Hydrology & Water Resources Management	2
CE-414 (L)	Hydrology & Water Resources Management	1
ENG-102	Research Metho. & Technical Report Writing	1
CE-426	Civil Engineering Project	3

Course	Course Title	Credit Hours
CE-421	Steel Structures	3
CE-422	Hydraulics & Irrigation Engineering	3
CE-422 (L)	Hydraulics & Irrigation Engineering	1
CE-423	Intro. to Earthquake Engineering	2
CE-424	Disaster Management	1
CE-425	Construction Management	2
CE-425 (L)	Construction Management	1
MGT-302	Entrepreneurship	2
CE-426	Civil Engineering Project	3

Note: Pre-requisite for the award of degree:

The students of B.Sc Civil Engineering programme shall complete 6 to 8 weeks Internship & Survey in an organization acceptable to the university and shall get an internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship.

Hence, to earn the bachelor's degree, a student must have an internship certificate and a survey camp certificate.

Also as per the criteria of Outcome Based Education System, a student must also have to qualify all the prescribed program learning outcomes of PEC.

*The information provided in this section is subject to change according to the recommendations of approved statuary bodies of CUSIT.

Department of
Civil Engineering

Civil Engineering Survey Camp

Department of
Civil Engineering

Civil Engineering Survey Camp

Department of
Electrical Engineering

B.Sc. Electrical Engineering
MS Electrical Engineering
Ph.D Electrical Engineering

Faculty Members of
Electrical Engineering

Engr. Dr. Shaheer Shaida Durrani
(Head of Department)
Ph.D Electrical Engineering (Power Electronics)
Universiti Malaysia, Pahang, Malaysia

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DAE (Electrical Technology)

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Department of
Electrical Engineering

Introduction

Department of Electrical Engineering was established in 2008 in order to meet the short and long term requirements of industrial/ commercial organizations of Pakistan for graduates in Electrical Engineering. Subsequent to the decision of the Board of Governors for starting the discipline of Electrical Engineering, University improved its infrastructure in accordance with the Pakistan Engineering Council (PEC) guidelines and developed purpose built Classrooms, Laboratories and allied facilities.

Electrical Engineering is one of the oldest fields of engineering. Initially, Electrical Engineering was confined to Power Generation, Transmission lines distribution and Telephony. However, due to advancement and rapid growth in technology, there is tremendous expansion in various areas of Electrical Engineering.

This expansion is so large that each area is now recognized as independent discipline. These include Telecommunication Engineering, Electronic Engineering, Power Engineering, Computer Engineering, Control System Engineering and many more. However, Electrical Engineering is still considered as parent discipline to these areas.

The department has up-to-date library, stocked with the latest reading materials and text-books for the use of students and the faculty members. The department arranges seminars and workshops on various areas of Electrical Engineering. These seminars are delivered by faculty members and prominent scholars. Before the commencement of the program, Pakistan Engineering Council inspected the University's facilities under its Zero Visit's and gave prior permission to start degree program in Electrical Engineering. PEC through its visits accredited eleven batches of the University i.e. 2008, 2009, 2010, 2011,2012,2013, 2014 , 2015, 2016 , 2017 & 2018 so far. The Electrical Engineering program at CUSIT is recognized and level-II accreditation (substantially equivalent to Washington accord) by Pakistan Engineering Council.

Department of
Electrical Engineering

Department of Electrical Engineering offers the following degree programs:

- B.Sc. Electrical Engineering
- MS Electrical Engineering
- Ph.D. Electrical Engineering

B.Sc. Electrical Engineering

Mission Statement

To produce graduates equipped with education, in-depth knowledge and relevant soft and technical skills to develop effective socio-economical engineering solutions for meeting the present and future challenges.

Program Educational Outcomes (PEOs)

PEO – 1: Successfully practice Engineering knowledge and skills with professional integrity.

PEO – 2: Demonstrate technical and communication skills, as an individual or a team member, to provide solutions to contemporary problems in or more relevant areas of Electrical Engineering.

PEO – 3: Participate in societal activities with ethical, social and professional values in pursual of continued learning.

Program Learning Outcomes (PLOs)

PLO-1: Engineering Knowledge: An ability to apply knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex electrical engineering problems.

PLO-2: Problem Analysis: An ability to identify, formulate, research literature, and analyze complex electrical engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PLO-3: Design/Development of Solutions: An ability to design solutions for complex electrical 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.

PLO-4: Investigation: To investigate complex electrical engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

PLO-5: Modern Tool Usage: To create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex electrical engineering activities, with an understanding of the limitations.

PLO-6: The Engineer and Society: To apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to the complex electrical engineering problems.

PLO-7: Environment and Sustain ability: To understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge and need for sustainable development.

PLO-8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

PLO-9: Individual and Team Work: To work effectively, as an individual or in a team, on multifaceted and /or multi disciplinary settings.

PLO-10: Communication: To communicate effectively, orally as well as in writing, on complex electrical engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Department of
Electrical Engineering

PLO-11: Project Management: An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multi disciplinary environment.

PLO-12: Lifelong Learning: An ability to recognize importance and pursue life long learning in the broader context of innovation and technological developments.

Undergraduate Program

The undergraduate program offers a 4-years degree in "Bachelor of Science in Electrical Engineering".

The degree program is covered with State-of-the Art courses designed by the Pakistan Engineering Council (PEC) and in accordance with the Higher Education Commission (HEC) guidelines. The electrical engineering program at CUSIT is recognized and level-II accredited (substantially equivalent to Washington accord) by Pakistan Engineering Council. Laboratory work is done with theoretical courses to illustrate important concepts and provide practical demonstration to students. The laboratories are well equipped with the related courses requirements.

The Bachelor's degree curriculum provides exposure to a wide spectrum of basic knowledge in Physics, Mathematics and Computer, followed by an intensive coverage of the principles of Electrical Engineering, both in class-rooms as well as in the laboratories.

Scheme of Studies

Course work for earning degree comprises theory courses, laboratory courses and final year project. Courses offered to the students are selected by the department from the given list of HEC/ PEC approved courses.

During the 7th and 8th semesters, students carry out group projects and write project reports. The project comprises of 3 credit hours (9 contact hours per week) in each semester. Grade "I" incomplete is awarded for the project in the 7th semester, which is converted into the earned letter grade at the end of 8th semester, based on students' performance in both semesters.

Department of
Electrical Engineering

0260   **B.Sc. Electrical Engineering**

Shift : Morning

Duration : 4 Years, 8 Semesters, 133 Credit Hours

Eligibility : F.Sc. (Pre- Engineering)/ DAE (Electrical) or equivalent with at least 60% marks from any recognized Board and Entrance Test conducted by the Educational Testing & Evaluation Agency (ETEA).

1st Semester

Course	Course Title	Credit Hours
CSC-101	Intro to Computing	1
CSC-101(L)	Intro to Computing	1
EE 103(L)	Workshop Practice	1
ENG-116	Functional English	2
HUM-101	Islamic Studies/ Ethics/ Theology	2
MTS-122	Calculus and Analytical Geometry	3
PHY-102	Applied Physics	3
PHY-102(L)	Applied Physics	1

2nd Semester

Course	Course Title	Credit Hours
CSC-115	Programming Fundamentals	2
CSC-115(L)	Programming Fundamentals	1
EE-101	Linear Circuit Analysis	3
EE-101(L)	Linear Circuit Analysis	1
ENG-101	Communication Skills	2
HUM-102	Pakistan Studies	2
MCE-102(L)	Engineering Drawing	1
MTS-123	Linear Algebra and Differential Equation	3

3rd Semester

Course	Course Title	Credit Hours
CSC-201	Digital Logic Design	3
CSC-201(L)	Digital Logic Design	1
EE-204	Electrical Network Analysis	3
EE-204(L)	Electrical Network Analysis	1
EE-209	Electronic Devices and Circuits	3
EE-209(L)	Electronic Devices and Circuits	1
MTS-215	Complex Variable & Transforms	3
MCE-201	**IDEE-I** (Thermodynamics)	3

4th Semester

Course	Course Title	Credit Hours
EE-302	Signals and Systems	3
EE-302(L)	Signals and Systems	1
CSC-216	Data Structure & Algorithms	3
CSC216(L)	Data Structure & Algorithms	1
MTS-216	Probability Methods for Engineers	3
EE-xxx	**Elective-I**	3
EE-xxx(L)	**Elective-I**	1
HUM-108	Professional Ethics	3

5th Semester

Course	Course Title	Credit Hours
EE-206	Electromagnetic Field Theory	3
EE-301	Electrical Machines	3
EE-301(L)	Electrical Machines	1
EE-304	Communication Systems	3
EE-304(L)	Communication Systems	1
MTS-203	Numerical Analysis	3
CSC-327	**IDEE-II** (Computer Organization and Architecture)	3

6th Semester

Course	Course Title	Credit Hours
EE-313	Introduction to Embedded System	3
EE-313(L)	Introduction to Embedded System	1
EE-404	Linear Control System	3
EE-404(L)	Linear Control System	1
EE-4XX	**Breadth Core-I**	3
EE-4XX(L)	**Breadth Core-I**	1
EE-4XX	**Breadth Core-II**	3
EE-4XX(L)	**Breadth Core-II**	1
ENG-102	Technical Report Writing	2

7th Semester

Course	Course Title	Credit Hours
EE-4XX	Elective-II	3
EE-4XX(L)	Elective-II	1
EE-4XX	Elective-III	3
EE-4XX(L)	Elective-III	1
MGT-311	Entrepreneurship Skills	3
MGT-301	Project Management	3
EE-499	Final Year Project Phase-I	3

8th Semester

Course	Course Title	Credit Hours
EE-4XX	Elective-IV	3
EE-4XX(L)	Elective-IV	1
EE-4XX	Elective-V	3
EE-412	Renewable Energy System	3
ECO-303	Engineering Economics	3
EE-499	Final Year Project Phase-II	3

Department of
Electrical Engineering

List of courses under breadth core and elective options for specialization of the HEC's course Framework for Engineering.

Breadth Core Courses for Electrical Engineering

EE-407 Power System Analysis

EE-410 Power Transmission & Distribution

Elective Courses for Electrical Engineering

EE-205 Instrumentation & Measurement

EE-408 Advanced Electrical Machines

EE-309 Power Electronics

EE-312 Power System Protection

EE-411 Power Generation and Utilization

Note: Pre-requisite for the award of degree

The B.Sc Electrical Engineering program students shall complete 6 to 8 weeks Internship in an organization acceptable to the university and shall get an internship letter/certificate from the concerned organization. The students who are already in service shall be exempted from internship.

Department of
Electrical Engineering

0320   MS Electrical Engineering

Shift   :   Afternoon
Duration   :   2 Years, 4 Semsters, 30 Credit Hours
Eligibility   :   B.Sc. Electrical Engineering/ B.Tech. (Electrical)/ B.Sc. Electrical Engineering Technology (4 years) or equivalent qualification with at least CGPA 2.50/4.00 or equivalent from any HEC recognized University and qualify University test.

The Master's degree courses are aimed at bringing the students abreast with the most recent developments in their fields of specialization. These courses are offered for both part-time and full-time students.

At postgraduate level the department of Electrical Engineering offers MS Program in Electrical Engineering. The areas of active research includes Electronic Devices and Materials, Intelligent Systems, Microelectronics and Computer Systems, Nano-Engineering, Photonics Systems, Systems and Control, Telecommunications and Signal Processing. This gives graduates an unparalleled advantage in both technical skills and intellectual discipline to become leaders in overcoming the challenges of modern technological advancements.

1st Semester

Course	Course Title	Credit Hours
EE-6XX	Core Course-I	3
EE-6XX	Core Course-II	3
EE-6XX	Elective-I	3

2nd Semester

Course	Course Title	Credit Hours
EE-6XX	Core Course-III	3
EE-6XX	Core Course-IV	3
EE-6XX	Elective-II	3

3rd Semester

Course	Course Title	Credit Hours
EE-699	Research Thesis	3
EE-6XX	Elective-III	3
EE-6XX	Elective-IV	3

4th Semester

Course	Course Title	Credit Hours
EE-699	Research Thesis	3
EE-6XX	Elective-V**	3
EE-6XX	Elective-VI**	3

Core Courses for MS Electrical Engineering

EE-614	Linear System Theory
EE-619	Renewable Energy System
EE-602	Stochastic Processes
EE-623	Optimization Technique for Engineers

Elective Courses for MS Electrical Engineering

EE-610	Advance Power Electronics
EE-6XX	Advance Power System Control
EE-6XX	Power System Stability and Control
EE-6XX	High Voltage Engineering
EE-612	Advance Power System Analysis
EE-620	Advance Power System Protection
EE-6XX	Smart Grid
EE-6XX	Power Devices & Circuits
EE-618	Advance Digital Communications
EE-6XX	Mobile & Wireless Networks
EE-609	Advance Digital System Design
EE-619	Advance Wireless Communications
EE-6XX	RF Devices & Circuits
EE-6XX	*Research Methodology

* Mandatory for students under Plane - A

**Mandatory for students under Plane - B

Department of
Electrical Engineering

Ph.D Electrical Engineering

Shift   :   Weekend / Afternoon

Duration   :   3 Years, 6 Semsters, 30 Credit Hours

Eligibility :   MS. Electrical Engineering with research thesis in the relevant field or equivalent qualification with at least CGPA 3.00/4.00 or equivalent from any HEC recognized University and ETS-GRE(Subject) passed with 50 percent percentile or NTS-GAT(Subject) with 60% marks.

Research Opportunities (Power & Control)

- Renewable Energy resources and integration to grid.
- Advance Control methods and its application to FACTS devices. DC/ DC converters, wind energy, smart energy buildings and fuel cells process.
- Fault tolerant power system and solution using embedded and FPGA.
- High voltage insulation, reliability and life cycle for each.

Electronics & Communication

- Fault tolerant digital systems.
- Reconfigurable real time systems.
- Software defined radio and defined networks.
- VLSI testing.
- Electronic design automation for reliability and configurability.
- Adaptive signal image processing system.
- Wireless sensor networks.

Faculty of Computing & Numerical Sciences

Department of
Computer Science

BS Computer Science, BS Software Engineering
BS Data Sciences
BS Artificial Intelligence
MS Computer Science
MS Software Engineering
Ph.D Computer Science

Faculty Members of
Computer Science

Prof. Dr. Muhammad Abid
Professor
Dean Faculty of Computing
& Numerical Sciences
Ph.D (NLP),
Cranfield University, UK

Dr. Muhammad Arshad
Associate Professor
Head of Department
Ph.D Computer Science
Liverpool John Moores University,
Liverpool, UK

Dr. Shahab Haider, Associate Professor
Ph.D (CS) GIK, Topi, Swabi

Dr. Zulfiqar Ali, Assistant Professor
Ph.D (CS) TU Graz, Austria

Mr. Mumtaz Ali, Assistant Professor
Ph.D (CS) in progress
MS (IT) IMSciences, Peshawar

Dr. Iftikhar Alam, Associate Professor
Ph.D (CS) University of Peshawar

Dr. Ikram Ullah, Assistant Professor
Ph.D (CS) COMSATS University, Islamabad

Mr. Shehzad Saifullah, Lecturer
MS (CS) FAST, Islamabad

Mr. Saifullah Jan, Lecturer/Coordinator (CS)
Ph.D (CS) in progress
MS (CS) Iqra National University, Peshawar

Mr. Bilal Khan, Lecturer/Coordinator (SE)
Ph.D (Copmuter Systems Eengineering) in progress
MS (CS) City University, Peshawar

Engr. Farhan Naeem, Lecturer
MS (Computer Systems Engineering) UET, Peshawar

Engr. Nazir Jan, Lecturer
Ph.D (Computer Systems Engineering) in progress
MS (Computer Systems Engineering), UET Peshawar

Mr. Muhammad Adnan, Lecturer
Ph.D (Computer Systems Engineering) in progress
MS (CS) City University, Peshawar

Mr. Subhan Ullah, Lecturer
MS (CS) Muhammad Ali Jinnah University, Karachi

Mr. Muhammad Wasim, Lecturer
MS (SE) City University, Peshawar

Mr. Wahab Khan, Lecturer/Coordinator (SE)
Ph.D (CS) in progress
MS (SE) CASE Islamabad

Ms. Aiman, Lecturer
MS (CS), City University, Peshawar

Mr. Sameed Ur Rehman, Lecturer
MS (CS), IMSciences, Peshawar

Ms. Sadaf Masood, Lecturer
MS (CS), University of Haripur

Mr. Falak Niaz, Lecturer
MS (CS), Islamia College Peshawar

Mr. Samiullah, Lab Engineer
BS (SE) City University Peshawar

Mr. Haider Ali, Lab Engineer
BS (SE) University of Sci. & Tech. Bannu

Mr. Muhammad Usman, Lab Engineer
M.Sc (CS) University of Peshawar

Mr. Fayaz Khan, Lab Engineer
MS (CS) in progress
BS (CS), University of Peshawar

Mr. Said Muhammad, Lab Engineer
M.Sc (CS), University of Peshawar

Ms. Manahil Shah, Lab Engineer
BS (SE), City University, Peshawar

Mr. Bilal Babar, Lab Engineer
BS (SE), City University Peshawar

Mr. Ubaid Ul Akbar, Lab Engineer
BS (SE), City University Peshawar

Mr. Tanveer Malik, Lab Engineer
BCS (Hons), IMSciences, Peshawar

Department of
Computer Science

Mr. Furqan Nasir, Lecturer
MS (CS) Abasyn University, Peshawar

Ms. Noreen Khan, Lecturer
MS (CS) City University, Peshawar
MCS, City University, Peshawar

Mr. Zain Ali Lab Engineer
BS (CS), City University, Peshawar

Mr. Izaz Ali, Departmental Assistant
M.A (Political Science), University of Peshawar

Vision

The vision of the Computer Science department is to provide quality education in the field of computer science and to enable the students to meet the challenges of this new technological world, to serve the nation through innovations and to be among the nation's leading research and teaching Computer Science departments.

Mission

M-1. Educate the youth with an in-depth understanding of the theoretical and practical concepts of computer science through a rigorous course work and participating in cutting edge research.

M-2. Equip them with the technological tools to meet the challenges in their professional career or in pursuit of advanced degrees in computer science.

M-3. Support society by participating in and encouraging technology transfer for economically sustainable and socially acceptable department.

Program Educational Objectives

The overall objective of the computer science program is to prepare graduates who will be successful in their chosen career paths. Within a few years of graduation, graduates/alumni of the computer science program will attain following objectives:

BS Computer Science

PEO1
Engineering Quality: Our graduates will engage in the productive practice of computer science to identify and solve significant problems across a broad range of application areas.

PEO2
Leadership: Our graduates will engage in successful careers in industry, academia, and public service, providing technical leadership for their business, profession and community.

PEO3
Economic Impact: Our graduates will enhance the economic well-being of Pakistan through a combination of technical expertise, leadership and entrepreneurship.

PEO4
Lifelong Learning: Our graduates will adapt to new technologies, tools and methodologies to remain at the leading edge of computer science practice with the ability to respond to the challenges of a changing environment.

S.No	Program Learning Outcomes (PLOs)	Computing Professional Graduate
To prepare the students for a successful professional and personal life, the BS Computer program is designed to produce computer science graduates who have attained the following program/student learning outcomes at the time of graduation:		
1	**Academic Education**	To prepare graduates as computing professionals.
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.

3	**Problem Analysis**	Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.
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 with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
5	**Modern Tool Usage**	Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
6	**Individual and Team Work**	Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.
7	**Communication**	Communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.
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.
9	**Ethics**	Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.
10	**Life-long Learning**	Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

BS Software Engineering

Program Educational Objectives

The educational objective of the BS Software Engineering programs is to ensure that the graduates are fundamentally sound, practical, participatory and professional. Specifically after three to four years our graduates will have the following career and professional goals.

Engineering Quality

PEO-1: Our graduates will engage in the productive practice of software engineering to identify and solve significant problems across a broad range of application areas.

Leadership

PEO-2: Our graduates will engage in successful careers in industry, academia, and public service, providing technical leadership for their business, profession and community.

Economic Impact

PEO-3: Our graduates will enhance the economic well-being of Pakistan through a combination of technical expertise, leadership and entrepreneurship.

Lifelong Learning

PEO-4: Our graduates will adapt to new technologies, tools and methodologies to remain at the leading edge of computer science practice with the ability to respond to the challenges of a changing environment.

Department of
Computer Science

Program Learning Outcomes

The following are the Software Engineering outcomes describing what students are expected to know to be able to do by the time of graduation from the program.

S.No	Program Learning Outcomes (PLOs)	Computing Professional Graduate
The following are the Software Engineering outcomes describing what students are expected to know or be able to do by the time of graduation from the program.		
1	**Foundation**	Demonstrate mastery of Software Engineering in the following core knowledge areas (1) Computing Essentials; (2) Mathematical and Engineering fundamentals; (3) Professional Practice; 3) Software lifecycle process (4) Software Modeling and Analysis; (5) Software design; (6) Software Verification and Validation; (7) Software Evolution; (8) Software Process; (9) Software Quality; (10) Software Management.
2	**Problem Analysis/ Investigation**	Apply system-level perspective by thinking at multiple levels of detail and abstraction and by recognizing the context in which a software system may function, including its interactions with people and the physical world. (Architecture and design patterns)
3	**Development of Solutions/ Project Management**	Apply problem-solving skills and the knowledge of software engineering over the entire system life cycle to solve real problems, as a member and/or leader in a team, to manage projects in a multidisciplinary environment. (Development and Process and quality)
4	**Environment and Sustainability**	An ability to understand the impact of professional software engineering solutions. In social and environmental contexts and demonstrate knowledge of and need for sustainable development.
5	**Modern Technologies**	Understand how technological advances impact society and the social, legal, ethical and cultural ramifications of software engineering technologies and their usage.
6	**Ethics**	Apply ethical principles and commit to professional ethics and responsibilities and norms of software engineering practice.
7	**Individual and Team Work**	An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
8	**Communication or Presentation**	Prepare and publish the necessary documents required throughout the project lifecycle using electronic communication tools to effectively collaborate with team members in different countries with different cultural backgrounds. Graduates can effectively contribute to project discussions, presentations, and reviews.
9	**Lifelong Learning**	An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

Department of
Computer Science

0244   **BS Computer Science**

Shift   :   Morning
Duration   :   4 Years, 8 Semesters, 130 Credit Hours
Eligibility   :   Intermediate or equivalent qualification with at least 50% marks from any recognized Board. The students who have not studied Mathematics at intermediate level have to pass deficiency courses of Mathematics (06 credits) in first two semesters.

1st Semester

Code	Course Title	Credit Hours
--------	Introduction to Info. & Comm. Technologies	3+1
--------	Programming Fundamentals	3+1
--------	English Composition & Comprehension	3+0
--------	Calculus & Analytical Geometry	3+0
--------	Pakistan Studies	2+0
--------	Applied Physics	2+1

2nd Semester

Code	Course Title	Credit Hours
--------	Object Oriented Programming	3+1
--------	Communication & Presentation Skills	3+0
--------	Digital Logic Design	3+1
--------	Probability & Statistics	3+0
--------	Islamic Studies	2+0
--------	University Elective-I	3+0

3rd Semester

Code	Course Title	Credit Hours
--------	Data Structures & Algorithms	3+1
--------	Computer Architecture & Organization	3+1
--------	Discrete Structures	3+0
--------	Professional Practices	3+0
--------	CS Supporting-I	3+0

4th Semester

Code	Course Title	Credit Hours
--------	Design & Analysis of Algorithm	3+0
--------	Theory of Automata	3+0
--------	Database Systems	3+0
--------	Linear Algebra	3+0
--------	University Elective-II	3+0

5th Semester

Code	Course Title	Credit Hours
--------	Compiler Construction	3+0
--------	Operating Systems	3+0
--------	Software Engineering	3+0
--------	CS Supporting-II	3+0
--------	CS Supporting-III	3+0

6th Semester

Code	Course Title	Credit Hours
--------	Artificial Intelligence	3+1
--------	Data Communication & Computer Networks	3+1
--------	CS Elective-I	3+0
--------	CS Elective-II	3+0
--------	Technical & Business Report Writing	3+0

7th Semester

Code	Course Title	Credit Hours
--------	University Elective – III	3+0
--------	Parallel & Distributed Computing	3+0
--------	CS Elective-III	3+0
--------	CS Elective-IV	3+0
--------	Final Year Project – I	0+3

8th Semester

Code	Course Title	Credit Hours
--------	University Elective-IV	3+0
--------	CS Elective-V	3+0
--------	Information Security	3+0
--------	Final Year Project-II	0+3

Department of
Computer Science

University Elective Courses:	21
Course Title	**Credit Hours**
Computing Core	0
Domain Core	0
Domain Elective	0
Mathematics & Supporting Courses	0
Elective Supporting Courses	0
General Education Requirement	0

Elective courses not limited to the list

Computer Science Elective Courses: Course Title	21 Credit Hours	Computer Science Elective Courses: Course Title	21 Credit Hours
Algorithms and Complexity		Professional Practices	
Architecture and Organization		Differential Equations	
Graphics and Visual Computing		Multi-variate Calculus	
Human-Computer Interaction		Graph Theory	
Information Assurance and Security		Theory of Programming Languages	
Information Management		Numerical Computing	
Intelligent Systems		Enterprise Systems	
Networking and Communications		Modeling and Simulation	
Platform-based Development		Formal Methods	
Parallel and Distributed Computing		Operations Research	
Programming Languages		Software Requirements Engineering	
Software Development Fundamentals		Business Process Engineering	
Software Engineering		Formal Methods in Software Engineering	
Systems Fundamentals		Simulation and Modeling	
Social Issues and Professional Issues		Stochastic Processes	

Department of
Computer Science

0246 **BS Software Engineering**

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board. The students who have not studied Mathematics at intermediate level have to pass deficiency courses of Mathematics (06 credits) in first two semesters

1st Semester

Code	Course Title	Credit Hours
--------	Introduction to Info.& Comm. Technologies	3+1
--------	Programming Fundamentals	3+1
--------	English Composition & Comprehension	3+0
--------	Calculus & Analytical Geometry	3+0
--------	Pakistan Studies	2+0
--------	Applied Physics	2+1

2nd Semester

Code	Course Title	Credit Hours
--------	Object Oriented Programming	3+1
--------	Communication & Presentation Skills	3+0
--------	Discrete Structures	3+0
--------	Software Engineering	3+0
--------	Islamic Studies	2+0
--------	University Elective-I	3+0

3rd Semester

Code	Course Title	Credit Hours
--------	Data Structures & Algorithms	3+1
--------	Software Requirement Engineering	3+0
--------	Human Computer Interaction	3+0
--------	Linear Algebra	3+0
--------	University Elective-II	3+0

4th Semester

Code	Course Title	Credit Hours
--------	Operating Systems	3+0
--------	Database Systems	3+1
--------	Software Design & Architecture	3+0
--------	Probability and Statistics	3+0
--------	University Elective-III	3+0

5th Semester

Code	Course Title	Credit Hours
--------	Software Construction and Development	3+0
--------	Computer Networks	3+1
--------	Technical and Business Writing	3+0
--------	SE Supporting-I	3+0
--------	SE Supporting-II	3+0

6th Semester

Code	Course Title	Credit Hours
--------	Software Quality Engineering	3+0
--------	Information Security	3+0
--------	Professional Practice	3+0
--------	Web Engineering	2+1
--------	SE Elective-I	3+0
--------	SE Supporting-III	3+0

7th Semester

Code	Course Title	Credit Hours
--------	Software Project Management	3+0
--------	Software Re-Engineering	3+0
--------	SE Elective-II	3+0
--------	SE Elective-III	3+0
--------	Final Year Project-I	0+3

8th Semester

Code	Course Title	Credit Hours
--------	SE Elective-III	3+1
--------	SE Elective-III	3+1
--------	University Elective-IV	3+0
--------	Final Year Project-II	0+3

Department of
Computer Science

University Elective Courses:	21
Course Title	**Credit Hours**
Fundamentals of Accounting	3
Organizational Behaviour	3
Principles of Management	3
Entrepreneurship	3
Leadership	3
Marketing Management	3
Fundamentals of Psychology	3

Elective courses not limited to the list

Software Engineering Elective Courses:	21
Course Title	**Credit Hours**
System Analysis & Design	3
Web - Engineering	3
Artificial Intelligence	3
Web Engineering - II	3
Data Mining	3
Mobile Application Development	3
Data Warehousing	3
Modern Web Technology	2
Modern Web Technology	1
Software Engineering Economics	3
Aspect Oriented Software Design	3

Software Engineering Elective Courses:	21
Course Title	**Credit Hours**
Information System Audit	3
Agent Based Computing	3
Cloud Computing	3
Introduction to Soft Computing	3
Real-Time Systems	3
Data Security & Encryption	3
Secure Software Development	3
Business Process Engineering	3
Advance Database Management Systems	3
Introduction to Bioinformatics	3
Bioinformatics Software Engineering	3

Department of
Computer Science

000   **BS Data Sciences**

Shift   :   **Morning**
Duration   :   **4 Years, 8 Semesters, 130 Credit Hours**
Eligibility   :   **Intermediate or equivalent qualification with at least 50% marks from any recognized Board. The students who have not studied Mathematics at intermediate level have to pass deficiency courses of Mathematics (06 credits) in first two semesters**

1st Semester

Code	Course Title	Credit Hours
---------	Introduction to ICT	3
---------	Programming Fundamentals	4
---------	Discrete Structures	3
---------	Calculus & Analytic Geometry	3
---------	English Composition & Comprehension	3

2nd Semester

Code	Course Title	Credit Hours
---------	Object Oriented Programming	4
---------	Database Systems	4
---------	Linear Algebra	3
---------	Probability & Statistics	3
---------	Communication & Presentation Skills	3

3rd Semester

Code	Course Title	Credit Hours
---------	Data Structures & Algorithms	4
---------	Information Security	3
---------	Artificial Intelligence	4
---------	Digital Logic Design	4
---------	Differential Equations	3

4th Semester

Code	Course Title	Credit Hours
---------	Computer Networks	4
---------	Computer Org. & Assembly Language	4
---------	Analysis of Algorithms	3
---------	Introduction to Data Science	3
---------	Advance Statistics	3

5th Semester

Code	Course Title	Credit Hours
---------	Operating System	4
---------	Data Mining	3
---------	Data Warehousing & Business Intel.	3
---------	DS Elective-I	3
---------	DS Elective-II	3
---------	University Elective-I	3

6th Semester

Code	Course Title	Credit Hours
---------	Final Year Project-I	2
---------	Software Engineering	3
---------	University Elective-III	3
---------	Technical & Business Writing	3
---------	Islamic Studies / Ethics	2

7th Semester

Code	Course Title	Credit Hours
---------	Parallel & Distributed Computing	3
---------	Big Data Analytics	3
---------	Data Visualization	3
---------	DS Elective-III	3
---------	DS Elective-IV	3
---------	University Elective-II	3

8th Semester

Code	Course Title	Credit Hours
---------	Final Year Project-II	4
---------	University Elective-IV	3
---------	Professional Practices	3
---------	Pakistan Studies	2

Department of
Computer Science

000 BS Artificial Intelligence

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board. The students who have not studied Mathematics at intermediate level have to pass deficiency courses of Mathematics (06 credits) in first two semesters

1st Semester

Code	Course Title	Credit Hours
--------	Introduction to ICT	3
--------	Programming Fundamentals	4
--------	Discrete Structures	3
--------	Calculus & Analytic Geometry	3
--------	English Composition & Comprehension	3

2nd Semester

Code	Course Title	Credit Hours
--------	Object Oriented Programming	4
--------	Database Systems	4
--------	Linear Algebra	3
--------	Probability & Statistics	3
--------	Communication & Presentation Skills	3

3rd Semester

Code	Course Title	Credit Hours
--------	Data Structures & Algorithms	4
--------	Information Security	3
--------	Artificial Intelligence	4
--------	Digital Logic Design	4
--------	Differential Equations	3

4th Semester

Code	Course Title	Credit Hours
--------	Computer Networks	4
--------	Computer Org. & Assembly Language	4
--------	Analysis of Algorithms	3
--------	Programming & Artificial Intelligence	3
--------	AI Elective-I	3

5th Semester

Code	Course Title	Credit Hours
--------	Operating System	4
--------	Artificial Neural Networks	3
--------	Machine Learning	3
--------	AI Elective-III	3
--------	AI Elective-IV	3
--------	University Elective-I	3

6th Semester

Code	Course Title	Credit Hours
--------	Parallel & Distributed Computing	3
--------	Computing Vision	3
--------	Natural Language Processing	3
--------	AI Elective-III	3
--------	AI Elective-IV	3
--------	University Elective-II	3

7th Semester

Code	Course Title	Credit Hours
--------	Final Year Project-I	2
--------	Software Engineering	3
--------	University Elective-III	3
--------	Technical & Business Writing	3
--------	Islamic Studies / Ethics	2

8th Semester

Code	Course Title	Credit Hours
--------	Final Year Project-II	4
--------	University Elective-IV	3
--------	Professional Practices	3
--------	Pakistan Studies	2

Department of
Computer Science

0306 Master of Science in Computer Science

Shift : Weekend
Duration : 2 Years, 4 Semsters, 30 Credit Hours
Eligibility : MCS / BCS (4 Years) / M.Sc /B.E or equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized University and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Code	Course Title	Credit Hours
---------	Core-I	3
---------	Core-II	3
---------	Core-III	3
---------	Core-IV	3

2nd Semester

Code	Course Title	Credit Hours
---------	1 Electives	3
---------	2 Electives	3
---------	3 Electives	3
---------	4 Electives	3

3rd Semester

Code	Course Title	Credit Hours
---------	Research Thesis-I	3

4th Semester

Code	Course Title	Credit Hours
---------	Research Thesis-II	3

Core Courses

--------- Advanced Analysis of Algorithms
--------- Advanced Operating Systems
--------- Theory of Programming Languages
--------- Theory of Automata-II
--------- Advanced Computer Architecture

Elective Courses

--------- Network Security & Cryptography
--------- Advance Wireless Networks
--------- Network Programming
--------- Network Simulation & Modeling
--------- Wireless Sensor Networks
--------- Advance topics in Database
--------- Data Warehousing
--------- Distributed Database Systems
--------- Virtual Reality
--------- Advanced Computer Graphics
--------- Computer Vision
--------- Human Computer Interaction
--------- Data Mining
--------- Machine Learning
--------- Utility Computing
--------- Image Processing

Department of
Computer Science

0304 **Master of Science in Software Engineering**

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : BS-CS / BS-SE / BS-IT (4 Years) equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized University and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Code	Course Title	Credit Hours
---------	Software System Design & Architecture	3
---------	Topics in Soft Requirement Engineering	3
---------	Elective-I	3
---------	Elective-II	3

2nd Semester

Code	Course Title	Credit Hours
---------	Software Quality Assurance	3
---------	Elective-III	3
---------	Elective-IV	3

3rd Semester

Code	Course Title	Credit Hours
---------	Elective-V	3
---------	Research Thesis	3

4th Semester

Code	Course Title	Credit Hours
---------	Research Thesis	3

Elective Courses
- --------- Data Mining
- --------- Advance Software Project Management
- --------- Formal Methods
- --------- Research Methods in Computing
- --------- Machine Learning
- --------- Digital Image Processing
- --------- Topics in Software Engineering
- --------- Software Testing

Department of
Computer Science

406   Ph.D Computer Science

Shift : Weekend
Duration : 3 Years, 6 Semesters, 27 Credit Hours
Eligibility : M.S /M.Phil. degree in Computer science with research thesis in relevant area, securing at least minimum CGPA 3.0 (out of 4.0 in the Semester System) or First Division (in the Annual System) in M.Phil./ M.S/ Equivalent degree is required from HEC recognized university with NTS-GAT (subject) with 60% marks. University test with 60% marks.

Ph.D Program Structure
The complete details of PhD (CS) are given below;
- Minimum credit hours for course work shall be 18 C.H. + 9 C.H for PhD (CS) Thesis, and followed by a comprehensive examination for granting candidacy as PhD researcher.
- The program shall comprise of minimum Six (6) semesters spread over Three (3) years with two semesters a year. The maximum duration for PhD program is seven (7) years.
- The list of elective courses/specialization for PhD (CS) is given below which may be updated by the university time-to-time.

1st Semester

Code	Course Title	Credit Hours
---------	Elective-I	3
---------	Elective-II	3
---------	Elective-III	3

2nd Semester

Code	Course Title	Credit Hours
---------	Elective-IV	3
---------	Elective-V	3
---------	Elective-VI	3

3rd Semester

Code	Course Title	Credit Hours
---------	Comprehensive Exam	-
---------	Ph.D Research Proposal	-

4th Semester

Code	Course Title	Credit Hours
---------	Ph.D Thesis-I	3

5th Semester

Code	Course Title	Credit Hours
---------	Ph.D Thesis-II	3

6th Semester

Code	Course Title	Credit Hours
---------	Ph.D Thesis-III	3

Faculty of Social Sciences

Department of
English

BS. English (Linguistics & Literature)
M.Phil in English (Linguistics & Literature)
Ph.D. in English (Linguistics & Literature)

Department of English
Faculty Members

Dr. Humaira Riaz
Assistant Professor
(Head of Department)
Ph.D English (Literature)
Fatima Jinnah Women University,
Rawalpindi

Dr. Rubina Rahman, Professor
Ph.D English (Applied Linguistics) University of Peshawar

Dr. Riaz Ud Din, Assistant Professor
Ph.D English (Linguistics) AJK, Muzaffarabad

Dr. Nijat Ullah Shah, Assistant Professor
Ph.D English (Literature) Qurtuba University, Peshawar

Mr. Ahmad Farooq, Lecturer
MS English (Linguistics) Islamia College University, Peshawar

Mr. Rehman Ullah, Lecturer
MS English (Literature) City University, Peshawar

Mr. Rizwan Safdar, Lecturer
M.Phil English (Literature) Qurtuba University, Peshawar

Mr. Syed Zia Ullah Shah, Lecturer
MS. English (Literature) Qurtuba University, Peshawar

Mr. Rahil Kashif
MS English (Literature) in progress, City University, Peshawar

Mr. Muhammad Hussain Damsaz, Lecturer
M.Phil (Literature) Northern University, Nowshera

Ms. Malghalara, Lecturer
MS English (Literature) City University, Peshawar

Mr. Muhammad Zubair, Lecturer
M.Phil English (Literature) University of Haripur, Haripur

Ms. Khadija, Junior Lecturer
M.Phil English (Literature) Qurtuba University, Peshawar

Ms. Laraib, Lecturer
MS English (Linguistics) City University, Peshawar

Ms. Sumira Wali, Lecturer
MS English (Linguistics) City University, Peshawar

Mr. Naveed ur Rehman, Lecturer
M.Phil English (Linguistics) University of Central Punjab, Lahore

Mr. Muhammad Maaz, Lecturer
M.Phil English (Literature) University of Haripur, Haripur

Department of **English**

Vision Statement
To foster intellectual and philosophical vitality through teaching and research in the field of English Literature and Linguistics with a view to enhance critical and analytical thinking of the students.

Mission Statement
To prepare graduates for the real world challenges by inculcating critical and creative thinking and an understanding of diverse literature, linguistics and command of essential writing skills.

Objective
- To provide excellent, accessible and affordable learning opportunities including new trends in research.
- To prepare productive and responsible citizens by motivating undergraduate and graduate students and researchers in the area of language, linguistics and English Literature.
- To engage students in academic activities in order to promote analytical reasoning.
- To facilitate students in developing intellectual flexibility, creativity and curtural sensitising

Follow an expected outcomes of the programme in which students should be able to:
- Read literary and linguistic texts in a variety of forms and styles
- Demonstrate an understanding of major literary works, genres, eras, and critical approaches to British, American, and World Literatures.
- Enhance to understanding of linguistics as a field of study,
- Write clearly, effectively and modify writing style accordingly to the content and the context.
- Develop and carry out research by identifying issues and propose solutions.
- Build a connection among culture, history and texts, including structures of power.

Alignment of Programs' objectives with University's Mission Statement
University and program's mission statement guide the program's objectives of English Programs of BS and MS/MPhil. It is done through imparting related linguistic and literary skills through quality education which enables them to serve their organization and nation.

Main Elements of Strategic plan (Curriculum Design)
The main elements of CUSIT strategic plan for MS/MPhil and BS English programs are programs course contents, delivery/teaching methodology and output evaluation. This educates and prepare students professionally and personally through conceptual understanding and practical exposure.

Department of **English**

0258 BS English (Linguistics & Literature)

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Introduction to Computing /ICT	3
------	Arts and Humanities/Psychology	2
------	Introduction to Language Studies	3
------	Introduction to English Literature	3
------	International Relations	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writing	3
------	Social Sciences/Philosophy	2
------	Natural Sciences/ Environmental Science/Intro.duction to Mathes.	3
------	Phonetics and Phonology	3
------	History of English Literature-I (Medieval to Romantics)	3
------	Gender Studies (Allied Course)	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	3
------	Quantitative Reasoning- I	3
------	Entrepreneurship	3
------	History of English literature-II (19th century realism to Modernism)	3
------	Morphology and Syntax	3
------	Human Rights & Citizenship (Allied)	3

4th Semester

Code	Course Title	Credit Hours
------	Quantitative Reasoning-II	3
------	Ideology & Constitution of Pakistan	2
------	Civics and Ethics	3
------	English Prose	3
------	Rise of the Novel (17 to 18 century)	3
------	Semantics	3

5th Semester

Code	Course Title	Credit Hours
------	Classic and Romantic Poetry-I	3
------	Classic and Renaissance Drama	3
------	Critical Discourse Analysis	3
------	Intro. to Mass Comm. (Allied)	3
------	Foundations of Literary Criticism	3
------	Sociolinguistics	3

6th Semester

Code	Course Title	Credit Hours
------	Critical Theory	3
------	Research Methodology	3
------	Victorian and Modern Poetry	3
------	Victorian and Modern Novel	3
------	Psycholinguistics	3
------	Introduction to Forensic Linguistics	3

7th Semester
Linguistics & Literature

Code	Course Title	Credit Hours
------	Applied Linguistics	3
------	Stylistics	3
------	Pakistani Literature in English	3
------	Shakespearean Studies	3
------	World Englishes	3

8th Semester
Linguistics & Literature

Code	Course Title	Credit Hours
------	Capstone Project	3
------	Postcolonial Literature	3
------	Pragmatics	3
------	Post Modern American Literature	3
------	Field Experience	3

Course	Course Title	Credit Hours
	BS. English Elective Courses (Literature)	
	American Literature	3
	Psycho-Analytical Studies-I	3
	Commonwealth Literature-I	3
	(Post-colonial Discourse+South Asian Literature+	3
	20th Century Literature (Poetry & Drama)+ 20th Century English Literature	
	Psycho-Analytical Studies-II	3
	Science Fiction	3
	Commonwealth Literature-II	3
	(Post-colonial Discourse+South Asian Literature+	3
	20th Century Literature (Poetry & Drama)+ 20th Century English Literature	3
	Pakistan Literature	3

Course	Course Title	Credit Hours
	BS. English Elective Courses (Linguistics)	
	Discourse Analysis (Also Critical Discourse Analysis)	3
	World Englishes	3
	Second Language Acquisition	3
	Trends and Issues in Linguistics	3
	Genre Analysis	3
	Pragmatics	3
	Syllabus Designing and Testing	3
	Media Discourse: Media and Language	3
	English Language Teaching	3

Department of English

000 M.Phil in English (Literature & Linguistics)

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : BS. English, MA. English or equivalent qualification with at least 50% marks or CGPA 2.50 / 4.00 from any HEC recognized university and GAT Test obtaining at least 50% marks / university test with 50% score. (Departmental test is mandatory for all the candidates)

LITERATURE

1st Semester

Code	Course Title	Credit Hours
------	Elective-I	3
	Critical Theories (core for M.Phil English Literature)	3
	Elective-II	3
	Elective-III	3

2nd Semester

Code	Course Title	Credit Hours
------	Research Methodology and Writing (core)	3
	Elective-IV	3
	Elective-V	3
	Elective-VI	3

3rd Semester

Code	Course Title	Credit Hours
------	Research Thesis-I	3

4th Semester

Code	Course Title	Credit Hours
------	Research Thesis-II	3

LINGUISTICS

1st Semester

Code	Course Title	Credit Hours
------	Elective-I	3
	Linguistics Theories (core for M.Phil English Linguistics)	3
	Elective-II	3
	Elective-III	3

2nd Semester

Code	Course Title	Credit Hours
------	Research Methodology and Writing (core)	3
	Elective-IV	3
	Elective-V	3
	Elective-VI	3

3rd Semester

Code	Course Title	Credit Hours
------	Research Thesis-I	3

4th Semester

Code	Course Title	Credit Hours
------	Research Thesis-II	3

Course Title	Credit Hours
M.Phil English Elective Courses (Literature)	
1. Contemporary Postcolonial Studies	3
2. War Literature	3
3. Literature and Globalization	3
4. Literature and Environment	3
5. Literature and Film Studies	3
6. Women's Writings	3
7. Postmodern Fiction	3
8. Transnational Poetry	3
9. Digital Humanities	3
10. Shakespearean Studies	3
11. Postmodern American Literature	3
12. World Literature & Translation	3
13. South Asian Literature	3
14. Diaspora Literature	3
15. Postcolonial African Studies	3
16. World Literatures in English	3
17. Literature and Film Studies	3
18. Literary Semiotics	3

Course Title	Credit Hours
MS. English Elective Courses (Linguistics)	
Corpus Linguistics	3
2. Language and Technology	3
3. Psycho-Neurolinguistics	3
4. Advanced Stylistics	3
5. Anthropological Linguistics	3
6. Systemic Functional Linguistics	3
7. Critical Discourse Analysis	3
8. Bilingualism	3
9. Genre Analysis	3
10. Issues in Syntax	3
11. Applied Linguistics	3
12. Multilingualism	3
13. Teaching and Learning English in Large Classes	3
14. Cross-Cultural Communication	3
15. Theoretical Phonology	3
16. Phonetics	3
17. Language Program Management	3
18. Morphology & its Theoretical Foundations	3
19. Neuro-linguistics	3
20. Cognitive Linguistics	
21. Sociolinguistics	3
22. World Englishes	3
23. Language Planning	3

Department of **English**

000 Ph.D. in English (Literature & Linguistics)

Shift : Weekend
Duration : 3 Years, 6 Semesters, 30 Credit Hours
Eligibility : MS / M.Phil (English) with Research Thesis in the relevant field or equivalent qualification with at least 60% marks or 3.00/4.00 CGPA from any HEC recognized university and achieved NTS GAT (Subject) with 60% marks or ETS GRE (Subject) with 50% percentile.

LITERATURE

1st Semester

Course	Course Title	Credit Hours
ENG-xxx	Advanced Research Methods and Seminar (core)	3
ENG-xxx	Issues in Critical Theories (core)	3
ENG-xxx	Elective- I	3

2nd Semester

Course	Course Title	Credit Hours
ENG-xxx	Elective-II (Independent Study)	3
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3

3rd to 6th Semester

Course	Course Title	Credit Hours
ENG-xxx	PhD Thesis	3

LINGUISTICS

1st Semester

Course	Course Title	Credit Hours
ENG-xxx	Advanced Research Methods and Seminar (core)	3
ENG-xxx	Issues in Applied Linguistics (core)	3
ENG-xxx	Elective- I	3

2nd Semester

Course	Course Title	Credit Hours
ENG-xxx	Elective-II (Independent Study)	3
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3

3rd to 6th Semester

Course	Course Title	Credit Hours
ENG-xxx	PhD Thesis	3

Course Title **MS. English Elective Courses (Literature)**	Credit Hours
Contemporary Postcolonial Studies	3
War Literature	3
Literature and Globalization	3
Literature and Environment	3
Literature and Film Studies	3
Women's Writings	3
Postmodern Fiction	3
Transnational Poetry	3
Digital Humanities	3
Shakespearean Studies	3
Postmodern American Literature	3
World Literature & Translation	3
South Asian Literature	3
Diasporic Literatures	3

Course Title **MS. English Elective Courses (Linguistics)**	Credit Hours
Corpus Linguistics	3
Language and Technology	3
Psycho-Neurolinguistics	3
Advanced Stylistics	3
Anthropological Linguistics	3
Systemic Functional Linguistics	3
Critical Discourse Analysis	3
Bilingualism	3
Genre Analysis	3
Issues in Syntax	3
Applied Linguistics	3
Multilingualism	3
Teaching and Learning English in Large Classes	3
Cross-Cultural Communication	3
Theoretical Phonology	3
Phonetics	3
Language Program Management	3
Morphology & its Theoretical Foundations	3
Neuro-linguistics	3
Cognitive Linguistics	
Sociolinguistics	3
World Englishes	3

CRITICAL THINKING CIRCLE

Thinking
Learning
Problem-Solving
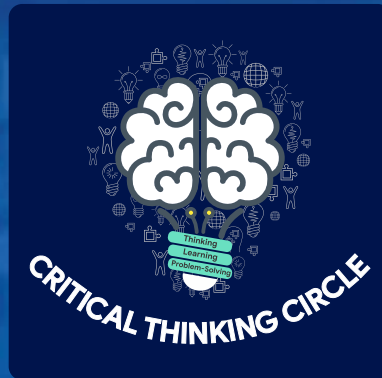
Teaching of English as a Foreign Language (TEFL)

The programme is offered by the Department of English. The course covers practical as well as theoretical aspects of English language teaching. The course is useful not only for those teachers who are already teaching English but also beneficial for the ones who want to pursue their careers as teachers of English.

WEEKEND PROGRAM (SATURDAY - SUNDAY)

COURSE DURATION

Certification: **03 MONTHS** (Fee: Rs. 30 Thousand)
06 MONTHS (Fee: Rs. 50 Thousand)
Diploma: **1 YEAR** (Fee: Rs. 80 Thousand)

ELIGIBILITY

F.Sc / FA / BS / MA / MS / M.Phil

THE DEPARTMENT OF ENGLISH
CITY UNIVERSITY OF SCIENCE & INFORMATION TECHNOLOGY, PESHAWAR OFFERS

FICTION WRITING WORKSHOP

CRITICAL THINKING CIRCLE

Thinking
Learning
Problem-Solving
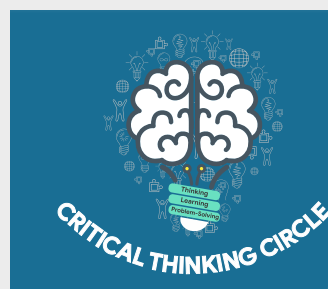
JUNE-JULY 2022
SUMMER PROGRAMME

COURSE DURATION

- 6 WEEK SERIES
  (1.5 HOURS PER CLASS IS STANDARD)
- WEDNESDAY-THURSDAY
- 2-DAYS CLASS

FEE

- (Fee: Rs. 30 Thousand)

Department of
Psychology

294   BS Psychology

Shift   :   **Morning**
Duration   :   **4 Years, 8 Semesters, 135 Credit Hours**
Eligibility :   **Intermediate or equivalent qualification with at least 50% marks from any recognized board.**

1st Semester

Course	Course Title	Credit Hours
------	Introduction to Psychology	3
------	Functional English	3
------	Ideology and Constitution	2
------	Quantitative Reasoning I	3
------	History of Psychology	3
------	Principles of Management	2
	Teaching Learning Strategies	
------	and Reflective Practices	2

2nd Semester

Course	Course Title	Credit Hours
------	Expository writing	3
------	Islamic Studies	2
------	Psychopharmacology	3
------	Developmental Psychology I	3
------	Quantitative Reasoning II	3
------	Introduction to Mathematics	3

3rd Semester

Course	Course Title	Credit Hours
	Applications of Information and	
------	Comm. Technologies (ICT)	3
------	Developmental Psychology-II	3
------	Introduction to Sociology	2
------	Intro. To Psycho diagnosis	3
------	Intro to Social Psychology	3
------	Forensic Psychology	3

4th Semester

Course	Course Title	Credit Hours
------	Trauma, Resilience and Disaster management	3
------	Implications Psycho diagnosis	3
------	Ethics in Psychology	3
	Cognitive Psychology	
------	(Major course)	3
------	Gender Related issues in Psychology	3
------	Forensic Linguistics	3

5th Semester

Course	Course Title	Credit Hours
------	Personality Theories	3
	Human resource management	
	Psychological testing &	
------	Practicum	3
------	(Psychological testing lab)	3
------	Child Psychology	3
------	Research Methods-I	3

6th Semester

Course	Course Title	Credit Hours
------	Health Psychology	3
------	Muslim Psychology	3
------	Behavioral Neuroscience	3
------	Educational Psychology	3
------	Introduction to Mass Comm.	3
------	Research Methods-II	3

7th Semester

Course	Course Title	Credit Hours
------	Basic Psychotherapeutic Tech.	3
------	Psychological assessment	3
------	Clinical Psychology	3
------	Counseling Psychology	3
	Capstone Project 1	
------	(group research)	3

8th Semester

Course	Course Title	Credit Hours
------	Advance Psychotherapeutic Tech.	3
------	Organizational Psychology	3
	Basic Tools of Data Analysis	
------	through SPSS	2
	Capstone Project II	
------	(group research)	3
------	Cross Cultural Psychology	3
------	Report writing/internship	3

Department of
Hindko

BS Hindko

Shift : **Morning**
Duration : **4 Years, 8 Semesters, 130 + Credit Hours**
Eligibility : **Intermediate or equivalent qualification with at least 50% marks from any recognized board.**

1st Semester

Course	Course Title	Credit Hours
XXX	Functional English-I	3
XXX	Islamiat	3
401	Ancient Hindko Poetry (1947)	3
402	Ancient Hindko Prose (1947)	3
403	Elementary Mathematics	3
404	An Introduction to Social Science	3

2nd Semester

Course	Course Title	Credit Hours
XXX	Functional English-II	3
XXX	Pak Studies	3
505	Modern Hindko Poetry (1947)	3
506	Modern Hindko Prose (1947)	3
XXX	Elementary Statistics	3
XXX	Computer Applications-I	3

3rd Semester

Course	Course Title	Credit Hours
XXX	Computer Applications-II	3
407	Evolution of Hindko Language	3
408	Important Literary Terminologies	3
409	An Intro. to Regional Languages	3
410	Evolution of Culture and Civilization	3
411	History of Peshawar	3

4th Semester

Course	Course Title	Credit Hours
XXX	Principles of Management	3
412	Hindko Rules of Scripting	3
413	Hindko Prosody	3
414	Hindko Character Illustration	3
415	Hindko Drama	3

5th Semester

Course	Course Title	Credit Hours
416	Hindko Religious Poetry	3
417	Hindko Religious Prose	3
418	Conventional Principles of Research	3
419	Hindko Fictional Prose-I	3
420	Hindko Non-Fictional Prose-I	3

6th Semester

Course	Course Title	Credit Hours
421	Conventional Principles of Criticism	3
422	History of Hindko Literature	3
423	Hindko Fictional Prose-II	3
424	Hindko Non-Fictional Prose-II	3
425	Hindko Translations	3
426	Hindko Classical Poets	3

7th Semester

Course	Course Title	Credit Hours
427	Saain Ahmad Ali	3
428	Iqbaliat	3
429	Hindko Travelogue	3
430	Literary Movements	3
431	Project-I	3

8th Semester

Course	Course Title	Credit Hours
432	Hindko Linguistics	3
433	Journalism in Khyber Pakhtunkhwa	3
434	An Introduction to International Classic Literature	3
435	Linguistics	3
436	Project-II	3

Department of
Urdu

M.Phil Urdu

Shift : **Morning**
Duration : **2 Years, 4 Semesters, 30 Credit Hours**
Eligibility : **Sixteen years of education in a relevant subject with a minimum CGPA 2.5/4.0 or 50% marks from any HEC recognized university and qualify university.**

1st Semester

Course	Course Title	Credit Hours
601	اصولِ تحقیق اور روایت	3
602	تنقید اور اس کے مباحث	3
603	لسانیات	3
604	علم معانی، بیان، بدیع،عروض(Minor)	3

2nd Semester

Course	Course Title	Credit Hours
605	أصول تدوین اور روایت (Fundamental)	3
606	عملی تنقید (Fundamental)	3
607	ترجمہ؛ أصول اور روایت(Fundamental)	3

3rd Semester

Course	Course Title	Credit Hours
608	تقابلی مطالعہ ادبیات(Minor)	3
609	ادبی تاریخ نویسی؛ اصول اور روایت(Minor)	3
610	أردو میں مطالعہ اقبال کی روایت (Minor)	3
611	کمپیوٹر اور سافٹ ونیر(Minor)	3

4th Semester

Course	Course Title	Credit Hours
XXX	تحقیق	3

Faculty of Health Sciences

Department of
Pharmacy
Doctor of Pharmacy (Pharm-D)

Faculty Members of
Pharmcy

Prof. Dr. Muhammad Ismail
Head of Department of Pharmacy /
Dean of Faculty of Health Sciences
B.Pharm, M.Phil, Ph.D

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Mr. Fawad Saleem, Lecturer
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Conventry University, United Kindom (UK)

Department of
Pharmacy

Doctor of Pharmacy

Introduction

Being a five years degree program, pharmacy is a well-acknowledged health care profession that links health sciences with chemical & biological sciences. It is a knowledge of safe and effective usage of drugs and medicines in all health care practices. Currently, department of pharmacy at CUSIT is aiming to produce professionally competent & legally qualified pharmacists who offer their services as Drug Inspector, Clinical Pharmacist, Hospital Pharmacist, Retail Pharmacist, Community Pharmacist, Quality Control Analyst, Academician, Drug Regulator, Industrial Pharmacist & Pharmaceutical Scientist. Their role as pharmacist would be indispensable in the deliverance of all health care services.

Mission

To provide state of the art pharmacy education and research driven academic program to develop global competencies among student by adopting best teaching practices and updated resources.

Vision

- To ensure highest standards of quality education and to create a flagship and stable position amongst the competing institutions.
- To provide leadership in pharmaceutical sciences and to equip its professional programs with the demand and ever-changing market needs and with assurance of a superior job market for its graduates at national & international levels.

Number of Seats Allocated by Pharmacy Council of Pakistan(PCP)

100 students divided into two sections of 50 each (Open merit).

Eligibility

- Intermediate Science / 'A' Level (PRE-MEDICAL) minimum marks of 60% aggregate from any recognized board.
- Passed a higher examination of a Pakistani university with biological sciences provided that the candidate has passed the intermediate examination. (PRE-MEDICAL)

Medicinal Plants Collection Tour

Pharmacy

280 Doctor of Pharmacy (Pharm-D)

Shift : **Morning**
Duration : **5 Years, 10 Semesters, 198 Credit Hours**
Eligibility : Intermediate Science / 'A' Level (PRE-MEDICAL) minimum marks of 60% aggregate from any recognized board. Passed a higher examination of any Pakistani university with biological sciences provided that the candidate has passed the intermediate examination (PRE-MEDICAL).

1st Professional Pharm-D

1st Semester

Code	Course Title	Credit Hours
ENG 116(2)	English-A (Functional English)	2
PH-101	Pharmaceutics-IA (Physical Pharmacy)	3+1
PH-102	Pharmaceutical Chemistry-IA (Organic)	3+1
PH-103	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1
PH-104	Physiology-A	3+1
PH-105	Anatomy & Histology	3+1

2nd Semester

Code	Course Title	Credit Hours
ENG-132	English-B (Communication & Writing skills)	4
PH-106	Pharmaceutics-IB (Physical Pharmacy)	3+1
PH-107	Pharmaceutical Chemistry-IB (Organic)	3+1
PH-108	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PH-109	Physiology-B	3+1

2nd Professional Pharm-D

3rd Semester

Code	Course Title	Credit Hours
HUM-101	Islamic Studies	3
PH-201	Pharmaceutics-IIA (Dosage Forms Science)	3+1
PH-202	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	3+1
PH-203	Pharmacology and Therapeutics-IA	3+1
PH-204	Pharmacognosy-IA (Basic)	3+1
PH-205	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3

4th Semester

Code	Course Title	Credit Hours
HUM-102	Pakistan Studies	2
PH-206	Pharmaceutics-IIB (Dosage Forms Science)	3+1
PH-207	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	3+1
PH-208	Pharmacology and Therapeutics-IB	3+1
PH-209	Pharmacognosy-IB (Basic)	3+1
PH-210	Pharmacy Practice-IB (Bio-Statistics)	3

3rd Professional Pharm-D

5th Semester

Code	Course Title	Credit Hours
PH-301	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1
PH-302	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	3+1
PH-303	Pharmacology and Therapeutics-IIA	3+1
PH-304	Pharmacognosy-IIA (Advanced)	3+1
PH-305	Pathology	3+1

6th Semester

Code	Course Title	Credit Hours
PH-306	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
PH-307	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PH-308	Pharmacology and Therapeutics-IIB	3+1
PH-309	Pharmacognosy-IIB (Advanced)	3+1
PH-310	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1

Department of
Pharmacy

4th Professional Pharm-D

7th Semester

Code	Course Title	Credit Hours
PH-401	Pharmacy Practice-IVA(Hospital Pharmacy)	3
PH-402	Pharmacy Practice-VA (Clinical Pharmacy-I)	3+1
PH-403	Pharmaceutics-IVA (Industrial Pharmacy)	3+1
PH-404	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1
PH-405	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1

8th Semester

Code	Course Title	Credit Hours
PH-406	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PH-407	Pharmacy Practice-VB (Clinical Pharmacy-I)	3+1
PH-408	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PH-409	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PH-409	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1

5th Professional Pharm-D

9th Semester

Code	Course Title	Credit Hours
PH-501	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1
PH-502	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	3+1
PH-503	Pharmacy Practice-VIIA (Forensic Pharmacy)	3
PH-504	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3
PH-505	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	3+1

10th Semester

Code	Course Title	Credit Hours
PH-506	Pharmaceutics- VIIB (Pharmaceutical Technology)	3+1
PH-507	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PH-508	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PH-509	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PH-510	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1

Pharm-D Five-Year Credit Hours Summary

Pharm-D Professional	1st Semester Credit Hours	2nd Semester Credit Hours	Total Credit Hours
1st	22	20	42
2nd	22	21	43
3rd	20	19	39
4th	19	19	38
5th (Final)	18	18	36
Total Credit Hours	101	97	198

Department of
Health Sciences

Doctor of Physical Therapy (DPT), BS Medical Laboratory Technology (MLT)
BS Dental Technology, BS Anesthesia Technology, BS Microbiology
MS Health care Management, BS Cardiology Technology
BS Surgical Technology
BS Radiology Technology
BS Public Health

Faculty Members of
Health Sciences

Dr. Lalina Maroof
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Mr. Qaiser Shah, Junior Lecturer
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Ms. Khadija Rehman, Junior Lecturer
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Ghandhara University, Peshawar

Mr. Muhammad Awais Khan Khalil, Junior Lecturer
BS (Anesthesia Technology)
Khyber Medical University, Peshawar

Mr. Aman Ullah, Lab Technologist
BS (Medical Lab Technology)
City University of Science & I.T, Peshawar

Department of
Health Sciences

Doctor of Physical Therapy

Rationale

Physical Therapy is an essential segment of modern health care system. It is a "science of healing and art of caring". It pertains to the Clinical Examination, Evaluation, assessment, diagnosis and treatment of Msculoskeletal, Neurological, Cardio-Vascular and Respiratory systems functional disorders including symptoms of pain, edema, Physiological, structural and psychosomatic ailments. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications.

Hence, Physical Therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curatie.

Goals of the Programme

The purpose of the Doctor of Physical Therapy programme (DPT) is to prepare physical therapists who will:

- be primary providers of physical therapy care.
- serve as responsible members in the professional community, and are willing to be able to assume leadership roles in the communities they serve.
- identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
- understand and place in context the social, economic and cultural issues of practice, and effectively advocate for changes in policy.
- correlate theory with practice and think creatively about, react to, adapt or shape new practice environments.
- participate in, and provide education for communities, patients, peers, students and others.

Department of
Health Sciences

266   **Doctor of Physical Therapy (DPT)**
Shift   :   Morning
Duration   :   5 Years, 10 Semesters, 181 Credit Hours
Eligibility :   F.Sc. (Pre-Medical) equivalent with a minimum of 60% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Psychology	2
------	Introduction to Computing	3
------	Anatomy- I	4
------	Physiology- I	3
------	Kinesiology-I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writing	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Anatomy- II	4
------	Physiology- II	3
------	Kinesiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Entrepreneurship	2
------	Sociology	3
------	Biomechanics & Ergonomics-I	3
------	Anatomy-III	3
------	Physiology-III	3
------	Biochemistry-I	2

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Biostatistics-II /Bioinformatics	3
------	Public Heath	2
------	Biomechanics & Ergonomics-II	3
------	Anatomy-IV	3
------	Exercise Physiology	3
------	Biochemistry-II	3

5th Semester

Code	Course Title	Credit Hours
------	Pathology & Microbiology-I	3
------	Pharmacology & Therapeutics-I	3
------	Physical Agents & Electrotherapy-I	3
------	Therapeutic Exercises & Techniques	3
------	Medical Physics	3
------	Molecular Biology & Genetics	2
------	Supervised Clinical Practice-I	3

6th Semester

Code	Course Title	Credit Hours
------	Pathology & Microbiology-II	3
------	Pharmacology & Therapeutics-II	2
------	Physical Agents & Electrotherapy-II	3
------	Health & Wellness	2
------	Community Medicine & Rehabilitation	3
------	Supervised Clinical Practice-II	3

7th Semester

Code	Course Title	Credit Hours
------	Medicine-I	3
------	Surgery-I	3
------	Radiology & Diagnostic Imaging	3
------	Musculoskeletal Physical Therapy	3
------	Evidence Based Practice	3
------	Supervised Clinical Practice-III	3

8th Semester

Code	Course Title	Credit Hours
------	Medicine-II	3
------	Surgery-II	3
------	Neurological Physical Therapy	3
------	Scientific Inquiry & Research Methodology	3
------	Emergency Procedure & Primary Care in Physical Therapy	3
------	Supervised Clinical Practice-IV	3

9th Semester

Code	Course Title	Credit Hours
------	Cardiopulmonary Physical Therapy	3
------	Prosthetics & Orthotics	2
------	Clinical Decision Making & Differential Diagnosis	3
------	Manual Therapy	3
------	Professional Practice (Laws, Ethics & Administration)	2
------	Integumentary Physical Therapy	2
------	Internship/ Field Experience	3
------	Supervised Clinical Practice-V	3

10th Semester

Code	Course Title	Credit Hours
------	Obstetrics & Gynecological Physical Therapy 2	2
------	Pediatric Physical Therapy 2	2
------	Gerontology & Geriatric Physical Therapy 2	2
------	Sports Physical Therapy 2	2
------	Capstone Project 3	3
------	Supervised Clinical Practice-VI 3	3

Department of
Health Sciences

264   BS-Medical Laboratory Technology (MLT)

Shift   :   Morning
Duration   :   4 Years, 8 Semesters, 133 Credit Hours
Eligibility   :   F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives: To prepare a cadre of health technologists, who can effectively enhance the ability of doctors in the delivery of quality health services.

- To prepare paramedical workers for all levels of health care delivery system from basic to the advanced level.
- To introduce and impart standard technical education with new modern techniques, within the fields of medical technologies, by replacing the conventional methods of pre-service training (certificate level).
- To provide medical workers a status and recognition in the health care delivery system through improving their capacity along with increasing awareness of their responsibilities, authority and job description.
- To equip medical staff with modern skills and latest technical knowledge and bring them at par with other national and international standards.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Biochemistry- I	3
------	Psychology	2
------	Introduction to Computing	3
------	Human Anatomy- I	3
------	Human Physiology- I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writings	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Biochemistry- II	3
------	Human Anatomy- II	3
------	Human Physiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Entrepreneurship	2
------	General Pathology –I	3
------	Hematology-I	3
------	Clinical Bacteriology	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Bioinformatics	3
------	Public Heath	2
------	General Pathology-II	3
------	Clinical Virology & Mycology	3
------	Chemical Pathology	3
------	Systemic Diagnostic Bacteriology	3

5th Semester

Code	Course Title	Credit Hours
------	RBCs Disorder	3
------	Micro-techniques	3
------	Pharmacology	3
------	Biotechnology	2
------	Clinical Pathology	3
------	Clinical Parasitology	3

6th Semester

Code	Course Title	Credit Hours
------	WBCs and Platelet Disorders	3
------	Immunology and Serology	3
------	Toxicology and forensic serology	3
------	Medical Lab Instrumentations	3
------	Research Methodology	3
------	Blood Banking	3

7th Semester

Course	Course Title	Credit Hours
------	Medical Lab Management skill	3
------	Fundamental of Infection control and Biosafety	3
------	Molecular Biology and Human Genetics	3
------	Cytology & cytogenetic	3
------	Lab Calculations	3
------	Seminar	1
------	Internship	3

8th Semester

Course	Course Title	Credit Hours
------	Epidemiology	2
------	Medical Sociology	3
------	Capstone Project	3
------	Bioethics	2

Department of
Health Sciences

288   BS-Dental Technology

Shift   :   Morning
Duration :   4 Years, 8 Semesters, 134 Credit Hours
Eligibility :   F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives:

- To perform an effective role in the field of dentistry to improve the community dental health.
- To provide dental therapist/technologists a status and recognition in the dental care delivery system through improving their capability and increasing awareness of their responsibilities.
- To assist Maxillofacial surgeons during surgeries.
- To perform effective role in delivering the conservative treatment for the primary teeth.
- To enable the Dental Technologists of a fabricate prosthodontic appliances, crown and bridges, orthodontic appliances and surgical splints etc.
- To provide primary dental care services to the community.
- To enable the dental Technologist performs the exodontia of primary teeth and simple permanent teeth.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Biochemistry- I	3
------	Psychology	2
------	Introduction to Computing	3
------	Human Anatomy- I	3
------	Human Physiology- I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository writing	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Biochemistry- II	3
------	Human Anatomy- II	3
------	Human Physiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Entrepreneurship	2
------	Oral Histology	3
------	Dental Material-I	3
------	Partial Dental Prosthodontics	3
------	Tooth Morphology	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Bioinformatics	3
------	Public Heath	2
------	Dental Material-II	3
------	Complete Denture Prosthodontics	3
------	Minor Oral Surgery	3

5th Semester

Code	Course Title	Credit Hours
------	Periodontology	3
------	General Pharmacology-I	3
------	Microbiology	3
------	Fundamentals of infection control	3
------	General pathology	3
------	Oral Surgery and Prosthetics	3

6th Semester

Code	Course Title	Credit Hours
------	Oral Pathology and Oral Medicine	3
------	Pediatric dentistry	3
------	Research methodology	3
------	Conservative dentistry-I	3
------	General Pharmacology-II	3
------	Bioethics	2

7th Semester

Code	Course Title	Credit Hours
------	Community & Preventive Dentistry	3
------	Fixed denture prosthodontics	3
------	Field Experience/Internship	3
------	Fundamentals of Oral and Maxillofacial Radiology	3
------	Fundamentals of Implantology	3
------	Conservative Dentistry-II	3

8th Semester

Code	Course Title	Credit Hours
------	Orthodontics	3
------	Medical Emergencies in Dental Practice	3
------	Seminar	1
------	Medical Sociology	3
------	Capstone Project	3

286 BS-Anesthesia Technology

Shift : Morning
Duration : 4 years, 8 semesters, 143 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Psychology	2
------	Introduction to Computing	3
------	Biochemistry-I	3
------	Human Anatomy-I	4
------	Human Physiology-I	4

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writings	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Biochemistry-II	3
------	Human Anatomy-II	4
------	Human Physiology-II	4

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Entrepreneurship	2
------	General Pharmacology-I	3
------	General Pathology-I	3
------	Anatomy related to Anesthesia	3
------	Anesthesia Equipment's	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Bioinformatics	3
------	Public Health	2
------	General Pharmacology-II	3
------	Haematology and Blood Banking	3
------	Physiology related to Anesthesia	3
------	Systemic Pathology	3

5th Semester

Code	Course Title	Credit Hours
------	Pharmacology related to anesthesia	3
------	Anesthesia and Co-existing Disease	3
------	History taking, pre-operative assessment, Medication and post-Operative Care	3
------	Physics related to Anesthesia	3
------	Microbiology	3
------	Community Medicine	3

6th Semester

Code	Course Title	Credit Hours
------	Anesthesia related Complication and their Management	3
------	Different types of Anesthesia	3
------	Critical care	3
------	Research Methodology	3
------	Anesthesia for Cardiothoracic Surgery	3
------	Anesthesia for Neuro And Geriatric's Surgery	3

7th Semester

Code	Course Title	Credit Hours
------	Anesthesia for Obstetrics and Pediatrics	3
------	Anesthesia for General Surgery, Orthopedic and Urological Procedures	3
------	Field Experience /Internship	3
------	Anesthesia for Ear,Nose,Throat Surgery	3
------	Epidemiology	2
------	Anesthesia for Eye Surgery	3

8th Semester

Code	Course Title	Credit Hours
------	Anesthesia for Dental, Maxillofacial, Head and Neck Surgery	3
------	Seminar	1
------	Capstone Project	3
------	Bioethics	2
------	Leadership and Management	2
------	Electrocardiograph for Anesthetist	3

Department of
Health Sciences

282   BS-Microbiology

Shift   : Morning
Duration : 4 years, 8 semesters, 130 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives: The curriculum designed for the BS Microbiology will prepare the graduates to cope up with the issues for wide spectrum of areas including Medicine, Dairy, Poultry, Agriculture and Industry. These groomed men power will play a vital role in the economic growth, and would bring qualitative change in the above mentioned areas in the country. Internship in the curriculum will provide hands on experience in different fields mentioned above. It will also create awareness about public health and safety, and facilitate the establishment of liaison among Microbiologist with society & industry.

1st Semester

Code	Course Title	Credit Hours
ENG-116	Functional English	3
HUM-101	Islamiat	2
CSC-116	Introduction to Computer	2
MB-101	Fundamentals of Microbiology	4 (3+1)
MB-102	Biochemistry-I	3 (2+1)
MTS-115	Mathematics	3

2nd Semester

Code	Course Title	Credit Hours
HUM-102	Pakistan Studies	2
MB-103	Biostatistics	2
MB-104	Principles of Genetics	4 (3+1)
MB-105	Biodiversity of Plants	3 (2+1)
MB-106	Biodiversity of Animals	3 (2+1)
MB-107	Biochemistry-II	3 (2+1)

3rd Semester

Code	Course Title	Credit Hours
MB-201	Ecosystem	3 (2+1)
MB-202	Cell Biology -I	4 (3+1)
MB-203	Microbial genetics	4 (3+1)
MB-204	Human genetics	3 (2+1)
MB-205	Environmental Microbiology	3 (2+1)

4th Semester

Code	Course Title	Credit Hours
MB-206	Microbial Physiology	4 (3+1)
MB-207	Microbial Ecology	4 (3+1)
MB-208	Cell Biology-II	4 (3+1)
MB-209	Immunology	3 (2+1)
MB-210	Bacterial Metabolism	4 (3+1)

5th Semester

Code	Course Title	Credit Hours
MB-301	Food and Dairy Microbiology	3 (2+1)
MB-302	Recombinant DNA Technology	3 (2+1)
MB-303	Medical Microbiology	3 (2+1)
MB-304	Microbial Diversity	3 (2+1)
MB-305	Molecular mechanism of Gene Expression	3 (2+1)
MB-306	Soil and Agriculture Microbiology	3 (2+1)

6th Semester

Code	Course Title	Credit Hours
MB-307	Industrial Microbiology	4 (3+1)
MB-308	Human genetic diseases and their Diagnosis	3 (2+1)
MB-309	Plant Pathology	3 (2+1)
MB-310	Chromosomal abnormalities and genetic counseling	2
MB-311	Virology	3 (2+1)
MB-312	Bioinformatics	2 (1+1)

7th Semester

Code	Course Title	Credit Hours
MB-401	Molecular genetics of yeast	4 (3+1)
MB-402	Ethical issues of Genetics	2
MB-403	Biodegradation and Bioremediation	3 (2+1)
MB-404	Gene Therapy	3 (2+1)
MB-405	Antiviral Agents	3 (2+1)
MB-406	Research Methodology	2

8th Semester

Code	Course Title	Credit Hours
MB-407	Industrial Microbiology-II	3 (2+1)
MB-408	Plant Biotechnology	3 (2+1)
MB-409	Seminar	2 (0+2)
MB-499	Research Project	8 (0+8)

Department of
Health Sciences

000   **MS-Healthcare Management**

Shift   : Weekend
Duration   : Minimum 1.5 years, 3 semesters, 30 credit hours
Eligibility : Sixteen years of education with 50% marks in the annual system or 2.5 CGPA on the scale of 4.00
              (Semester System) from HEC recognized University/degree awarding institutions in any Medical/
              Allied Health Sciences/Social Sciences/Management sciences or equivalent qualification.

Introduction:

Healthcare is one of the fastest-growing sectors today. Behind every hospital or medical practice are healthcare managers who keep everything running smoothly and are responsible for overseeing areas such as quality of care and budgeting. Healthcare managers perform tasks of supervising, maintaining budgets, dealing with organizational operations, implementing various policies, and communicating with staff and sub-ordinates. They are also dealing with planning to optimize existing facilities, seeking operational solutions, tackles new processes and future plans, develops new contracts and maintains old ones, and deals with new challenges in healthcare planning. The administrator is responsible for bridging the gap between the hospital board and medical staff; recruiting, hiring, and training new staff or members of the organization; integrating and monitoring all the activities in the whole organization.

Specialization: Public Health / Hospital Management

1st Semester

Code	Course Title	Credit Hours
------	Healthcare Systems	3
------	Advanced Research Methods	3
------	Elective-I	3
------	Elective-II	3

2nd Semester

Code	Course Title	Credit Hours
------	Epidemiology and Biostatistics	3
------	Health Care Laws, Policies and Regulations	3
------	Elective-III	3
------	Elective-IV	3

3rd Semester

Code	Course Title	Credit Hours
------	Research Thesis / Project / Two additional courses	6

Elective Courses for Specialization in MS HCM

A. Public Health	B. Hospital Management
Applied Data Analysis	Advanced Infection Prevention and Control
Corporate Governance	Emergency and Disaster Management
Environmental and Occupational Health	Financial Management in Healthcare
Environmental Health	Fundamentals of Hospital Management
Financial Management in Healthcare	Healthcare Analytics and Decision Making
Global health issues	Healthcare Communication and Interpersonal Skills
Global Public Health	Healthcare facility planning and design
Health disparities	Healthcare Finance and Accounting
Health Economics	Healthcare Informatics
Health promotion and disease prevention	Healthcare Information Privacy and Security
Health security	Healthcare Innovation and Entrepreneurship
Health System Monitoring & Evaluation	Healthcare Leadership and Change Management
Healthcare Information Systems	Healthcare Leadership and Governance
Healthcare Marketing	Healthcare Marketing and Public Relations
Healthcare Operations Management	Healthcare project management
Healthcare Quality and Safety	Healthcare Risk Management
HRM in Healthcare Organizations	Healthcare Supply Chain Management
Innovation and Entrepreneurship in Healthcare	Healthcare Technology Management
Leadership and organizations behavior in Healthcare	Hospital Information System
Managerial Decision Making	HRM in Healthcare Organizations
Nutrition and health	Operations Management in Hospitals
Primary Healthcare	Organizational Behavior and Leadership
Public health informatics	Quality Improvement and Patient Safety
Quality Assurance and Quality Control	Quality Management in Hospitals
Reproductive and Child Health Programs and Interventions	Quality, Risk and Performance Management

*The Department can offer any other course with the availability of teachers

Department of
Health Sciences

286   **BS-Cardiology Technology**

Shift   : Morning
Duration   : 4 years, 8 semesters, 134 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Medical Biochemistry- I	3
------	Psychology	2
------	Introduction to Computing	3
------	Human Anatomy- I	3
------	Human Physiology- I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writing	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Medical Biochemistry- II	3
------	Human Anatomy- II	3
------	Human Physiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Public Heath	2
------	Entrepreneurship	2
------	General Pathology –I	3
------	General Pharmacology	3
------	Cardiopulmonary Anatomy	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Biostatistics-II	3
------	Pathology-II	3
------	Hematology	3
------	Medical Microbiology	3
------	Drugs related to Cardiology	3

5th Semester

Code	Course Title	Credit Hours
------	Cardiopulmonary Physiology	3
------	Electrocardiography-I	3
------	Clinical Medicine	3
------	Medical Physics	3
------	Echocardiography-I	3
------	Electrophysiology	3

6th Semester

Code	Course Title	Credit Hours
------	Critical care	3
------	Cardiac Surgery	3
------	Diagnostic Equipments in Cardiology	3
------	Echocardiography-II	3
------	Pulmonary Diseases	3
------	Electrocardiography-II	3

7th Semester

Code	Course Title	Credit Hours
------	Heart Diseases	3
------	Research Methodology	3
------	Preventive Cardiology	3
------	Epidemiology	2
------	Interventional Cardiology	3
------	Field Experience	3

8th Semester

Code	Course Title	Credit Hours
------	Capstone Project	3
------	Nuclear Cardiology	3
------	Seminar	1
------	Subject of own choice	3
------	Bioethics	2

Department of
Health Sciences

286 **BS-Surgical Technology**

Shift   : Morning
Duration   : 4 years, 8 semesters, 136 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Medical Biochemistry- I	3
------	Psychology	2
------	Introduction to Computing	3
------	Human Anatomy- I	3
------	Human Physiology- I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository writing	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Medical Biochemistry- II	3
------	Human Anatomy- II	3
------	Human Physiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Biostatistics-I	3
------	Entrepreneurship	2
------	Public Heath	2
------	Surgical Instruments /Equipments and Biosafety	3
------	General Pathology-I	3
------	General Pharmacology-I	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Biostatistics-II	3
------	Diagnostic Imaging	2
------	Hematology-I	3
------	General Pharmacology-II	3
------	Sterilization And Disinfection	2
------	General Pathology-II	3

5th Semester

Code	Course Title	Credit Hours
------	Surgical Emergency	3
------	Surgical setup and Positioning	3
------	ENT Surgery	3
------	Medical Microbiology	3
------	Anesthesia Equipment	3
------	Clinical Operative Thoracic Surgery	3

6th Semester

Code	Course Title	Credit Hours
------	General Surgery	3
------	Perioperative Care	3
------	Clinical Operative General Surgery	3
------	Clinical Operative Gynecology Obstetrics	3
------	Diagnostic and Endoscopic Surgery	3
------	Clinical Operative Ophthalmic Surgery	3

7th Semester

Code	Course Title	Credit Hours
------	Research Methodology	3
------	Fundamentals of Infection Control	2
------	Field Experience	3
------	Clinical Operative Neurosurgery	3
------	Epidemiology	2
------	Seminar	1
------	Clinical Operative Urology Surgery	3

8th Semester

Code	Course Title	Credit Hours
------	Clinical Operative Orthopedic Surgery	3
------	Clinical Operative Pediatric Surgery	3
------	Bioethics	2
------	Operating Room Management	2
------	Capstone project	3

Health Sciences

286   **BS-Rardiology Technology**

Shift   : Morning
Duration : 4 years, 8 semesters, 136 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Medical Biochemistry- I	3
------	Psychology	2
------	Introduction to Computing	3
------	Human Anatomy- I	3
------	Human Physiology- I	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writings	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Medical Biochemistry- II	3
------	Human Anatomy- II	3
------	Human Physiology- II	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Bioinformatics	3
------	Entrepreneurship	2
------	Public Heath	2
------	Regional and Radiological Anatomy-I	3
------	General Radiology	3
------	General Pathology	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Biostatistics	3
------	Regional and Radiological Anatomy-II	3
------	General Pharmacology	3
------	Conventional Radiological Procedures & Clinical Practice	3
------	Systemic Pathology	3

5th Semester

Code	Course Title	Credit Hours
------	Radiobiology & Radiation Protection	2
------	Computed Tomography(CT)	3
------	Computed & Digital Radiography	2
------	Radiological Positioning & Clinical Practice	4
------	General Surgery	2
------	Magnetic Resonance Imaging (MRI)	3
------	Radiation Sciences and Technology	3

6th Semester

Code	Course Title	Credit Hours
------	Radiological & Cross sectional Anatomy	3
------	Computed Tomography (CT) Procedures & Clinical Practice	3
------	Magnetic Resonance Imaging (MRI) Procedures & Clinical Practice	3
------	Therapeutic Radiology	3
------	Mammography & Special Radiological Techniques	3
------	Research Methodology	3

7th Semester

Code	Course Title	Credit Hours
------	Clinical Sonography	4
------	Angiography and Cardiac Imaging	4
------	Field Experience	3
------	Echocardiography	2
------	Interventional Radiology	2
------	Clinical Pathology & Radiological Presentation-I	2

8th Semester

Code	Course Title	Credit Hours
------	Patient care & Management	2
------	Clinical Pathology & Radiological Presentation-II	2
------	Nuclear Medicine	3
------	Bioethics	2
------	Seminar	1
------	Capstone project	3

Department of
Health Sciences

286   BS-Public Health

Shift   : Morning
Duration   : 4 years, 8 semesters, 130 credit hours
Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

1st Semester

Code	Course Title	Credit Hours
------	Functional English	3
------	Mathematics-I (Pre-Calculus)	3
------	Psychology	2
------	Introduction to Computing	3
------	Life Sciences Biology	3
------	Sociology of Health and Diseases	3

2nd Semester

Code	Course Title	Credit Hours
------	Expository Writing	3
------	Behavioral Sciences	2
------	Environmental Sciences	3
------	Medical Anthropology	3
------	Personal Hygiene	3
------	Population Dynamics	3

3rd Semester

Code	Course Title	Credit Hours
------	Islamic Studies	2
------	Bioinformatics	3
------	Entrepreneurship	2
------	Public Heath	2
------	Health Economics	3
------	Primary Health Care	3
------	Concept of Health & Disease	3

4th Semester

Code	Course Title	Credit Hours
------	Pakistan Studies	2
------	Biostatistics	3
------	Professional Ethics	3
------	Basic Epidemiology	3
------	Health Promotion, Advocacy & Social Mobilization	3

5th Semester

Code	Course Title	Credit Hours
------	Community Nutrition	3
------	Disaster Management	3
------	Entomology	3
------	Microbiology	3
------	Applied Epidemiology	3
------	Nutritional Assesment	3

6th Semester

Code	Course Title	Credit Hours
------	Mother and Child Health	3
------	Environment & Occupational Health	3
------	Health Policy & Management	3
------	Health Planning	3
------	Health Care Management	3
------	Health Professional Education	3

7th Semester

Code	Course Title	Credit Hours
------	Mental Health	3
------	Health Marketing	3
------	Field Experience	3
------	Research Marketing	3
------	Elective-1	3
------	Elective-2	3

8th Semester

Code	Course Title	Credit Hours
------	Fundamental Principles of Infectious Diseases	3
------	Elective-3	3
------	Elective-4	3
------	Capstone project	3

Department of
Health Sciences

EVENTS AND ACHIEVEMENTS
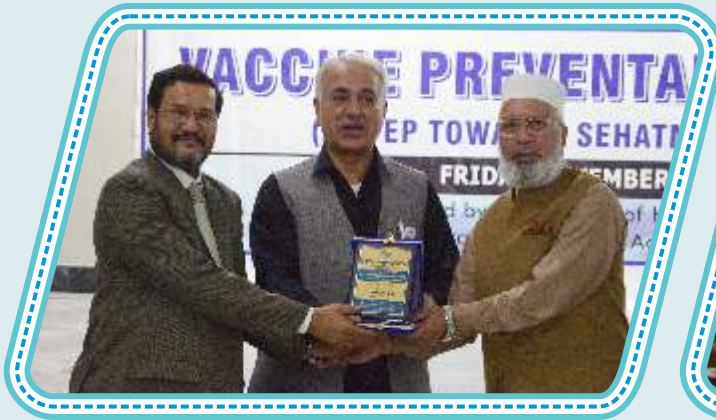
Department of
Nursing
BS Nursing (BSN)

Faculty Members of
Nursing

Ms. Jafaryad Hussain
Assistant Professor/ Head of Department
Master of Science in Nursing (MSN), The Aga Khan University Karachi,
Master of Public Health (MPH), University of Peshawar

Ms. Shbana Isaacs
Lecturer
Post RN BSN
Master in Public Health (in progress)

Mr. Afrasiyab Afridi
Junior Lecturer
Bachelor of Science in Nursing (BSN)
Rehman College of Nursing, Peshawar

Mr. Sahil Sjjad
Junior Lecturer
Bachelor of Science in Nursing (BSN)
Khyber Medical University (KMU), Peshawar

Department of
Nursing

BS Nursing

Mission
Our mission is to develop competent, skilled, and professional nurses through context-based training, professional development, and research opportunities that enable them to deliver healthcare services nationally and internationally.

Vision
The vision of the City University Department of Nursing is to be an innovative leader in developing healthcare professionals with a world-class profile in research, education, and patient care by providing comprehensive and high-quality nursing education and research opportunities to improve the health and well-being of individuals, families, and communities.

Objectives
- To provide a comprehensive understanding of the theoretical concepts, principles, and practices of nursing.
- To develop critical thinking skills and ethical decision-making abilities in nursing practice.
- To foster effective communication and interdisciplinary collaboration in healthcare settings.
- To cultivate leadership and management skills necessary for assuming roles in nursing practice and healthcare administration.
- To promote evidence-based practice in nursing through research and continuous professional development.
- To instill a commitment to lifelong learning, professional growth, and community engagement.

Learning Outcomes
- Upon completion of the program, students will be able to;
- Demonstrate a comprehensive understanding of the foundational knowledge and theories in nursing, including anatomy, physiology, pharmacology, pathophysiology, psychology, community health, and mother & child health,
- Apply evidence-based nursing practices, utilize critical thinking skills, and demonstrate competency in performing various clinical skills, such as medication administration, wound care, and patient assessment, patient advocacy, and patient education
- Communicate effectively and collaborate with patients, families, and interdisciplinary healthcare teams, demonstrating active listening, empathy, and cultural sensitivity.
- Exhibit professionalism and ethical conduct in all aspects of nursing practice, including respecting patient confidentiality, maintaining professional boundaries, and adhering to legal and ethical standards.
- Provide holistic and patient-centered care, considering the physical, emotional, social, and spiritual needs of patients and families, while respecting their cultural beliefs and values.
- Demonstrate leadership and management skills necessary for effective nursing practice, including prioritization, delegation, and coordination of care, as well as participation in quality improvement initiatives.
- Develop a commitment to lifelong learning and engage in professional development activities to stay current with advancements in nursing practice and contribute to the improvement of healthcare outcomes.

Department of
Nursing

000 BS Nursing (BSN)

Shift : **Morning**
Duration : **4 Years, 8 Semesters, 134 Credit Hours**
Eligibility : Intermediate Science / 'A' Level (PRE-MEDICAL) minimum marks of 50% aggregate from any recognized board. Passed a higher examination of any Pakistani university with biological sciences provided that the candidate has passed the intermediate examination (PRE-MEDICAL).

1st Semester

Code	Course Title	Credit Hours
------	Fundamental of Nursing-I	4
------	Microbiology	3
------	Anatomy and Physiology-I	3
------	Biochemistry for Nurses	3
------	English-I	2
------	Computer Skills	1

2nd Semester

Code	Course Title	Credit Hours
------	Fundamental of Nursing-II	4
------	Anatomy and Physiology- II	3
------	Community Health Nursing-I	3
------	Applied Nutrition	1
------	English-II	2
------	Islamiat*	2
------	Pak. Studies*	2

3rd Semester

Code	Course Title	Credit Hours
------	Adult Health Nursing I	8
------	Pathophysiology I	2
------	Health Assessment -I	2
------	Pharmacology-I	2
------	Mathematics	1
------	English-III	2

4th Semester

Code	Course Title	Credit Hours
------	Adult Health Nursing-II	8
------	Pathophysiology II	3
------	Health Assessment-II	2
------	Developmental Psychology	2
------	Pharmacology II	2
------	English III	2
------	Nursing Ethics	1

5th Semester

Code	Course Title	Credit Hours
------	Pediatrics Health Nursing	7
------	Community Health Nursing -II	6
------	Teaching/Learning: Principles and Practices	3
------	English-V	2

6th Semester

Code	Course Title	Credit Hours
------	Mental Health Nursing	6
------	Introduction to Biostatics	3
------	Behavioral Psychology	3
------	Epidemiology	2
------	English-VI	2
------	Culture, Health and Society	2

7th Semester

Code	Course Title	Credit Hours
------	Critical Care Nursing	7
------	Introduction to Nursing Theories	2
------	Leadership and Mgt. in Nursing	3
------	Nursing Research	3
------	English-VII	2

8th Semester

Code	Course Title	Credit Hours
------	Community Health Nursing-III	5
------	Nursing Seminar /role transition	2
------	Clinical Practicum	5

CDC

City University Career Development Centre (CU-CDC)

The continuous assessment, counseling and development of students and staff are precursors of high quality education and research. The City University Career Development Centre (CU-CDC) has been established mainly with the following objectives:

- To provide Career Development Services to students, Alumni and staff, enabling them to make effective career choices.
- To explore opportunities for staff, students and Alumni for exploring and fostering strong professional networks with employers and other institutions
- The centre will assess the training needs of students and staff for their development in their career paths.

The centre will function under following sections:

- Students Support Section
- Students Counseling and Wellness (SCWO) Section
- Internship, Placement & Alumni (IPA) Section
- Industry Liaison Section

CDC is working directly under the guidance of Vice Chancellor, where the individual performance of each student is reviewed on monthly basis under Integrated Counseling System (ICS). The department HoDs, Department Counselors, faculty and parents of the students are involved in this process.

The Internship and Placement section plans various courses and trainings for the students in the areas of personal development, communication presentation skills, and interview skills etc. The section is also connects students and graduates with the employers, through internships and job placements. It also involves them in various curricular & co-curricular activities, alumni feedback and curriculum review meetings.

The Industrial Liaison Section collaborates with industies at local and national levels. Visits of students to industries and sites are arranged. They also interact with industry and business concerns for identifying areas of common interest including areas of research, staff development etc. They also undertake MoUs with various industries and international universities and HEIs in consultation with Director ORIC.

Office of Research Innovation & Commercialization (ORIC)

Dr. Mohammad Haroon Khan
Director ORIC

Introduction

The Office of Research, Innovation & Commercialization (ORIC) at City University of Science and Information Technology, Peshawar has been established under the directives of Higher Education Commission (HEC), Islamabad and in pursuance of Vice Chancellor's Directives for streamlining the management of Research Initiatives and Programs.

City University of Science and Information Technology (CUSIT) is a nationally competitive and research focused university with national and internationally recognized multidisciplinary research to promote sustainable development. We aim to create transformative development opportunities through innovative approaches and demand-driven research to promote stability and building a mechanism ready to solve tomorrow's problems.

We believe that the research undertaken by the university faculty must be ethical, safe and in accordance with international codes for research. ORIC is responsible for assuring that the quality of research reflects the highest standards and advances the stature of the university among the world's best research institutions for transforming the economic focus of the country through internationally recognized research outcomes. ORIC is also positively contributing to develop research leadership to play their role in achieving our targets so that the university is to be regarded as a valued, independent voice advocating for the role of research beyond academia and in the provision of services to the community for the national interest in specific and broader global interest in general related to the UN's Sustainable Development Goals (SDGs).

Mission

The mission of ORIC is to develop, expand, enhance and manage the university's research programs, and entrepreneurial environment and to link the research activities directly to the educational, social and economic priorities of the university and its broader community.

Vision

We envision to become the national hub of research and innovation, driving research excellence and market utility in Pakistan

International Conferences

CUSIT is regularly organizing its flagship international biennial event entitled "Emerging trends in Engineering, Management and Sciences (ICETEMS)" since 2014 with its theme "Bridging Gaps through Multidisciplinary Research and Innovation for sustainable development".

CUSIT organized the 4th International conference on Emerging trends in engineering, management and sciences (ICETEMS-21), from October 13-14, 2021. Scientists and researchers from industry and academia, public health professionals, clinicians, business delegates, manufacturers, and engineers from different countries participated and about 300 research papers were presented in the core areas of the conference.

Office of Research Innovation & Commercialization (ORIC)

Collaborations

Department of Mathematics, CUSIT take a leading role in Computational Analysis Research Group funded by TDT University, Vietnam.

City University signed letter of collaboration with UTM, Malaysia for joint research. Under the agreement, both the Universities will collaborate in the areas of joint research, faculty development, graduate research supervision, joint teaching in the areas of Computer Science, Engineering, Management Sciences, Social Science and Humanities.

City University in collaboration with PEC, successfully completed 3 week training program for Engineers of Local Govt. and Rural Development Department of GB.

Department of Management Sciences signed MoUs with United States Education Foundation in Pakistan (USEFP), U.S. - Pakistan University Partnerships Grants Program, National Vocational and Technical Training Commission (NAVTTC) Pakistan, Akhuwat Islamic Microfinance (AIM) for different activities.

Quality Enhancement Cell (QEC)

Dr. Zunnoorain Khan
Director QEC / Assistant Professor
Ph.D (HRM)
SZABIST, Islamabad
MS (HRM)
CECOS University, Peshawar

Dr. Nadeem Ahmad Sheikh
Additional Director / Assistant Professor
Mr. Muhammad Shakir
Deputy Director, QEC
Mr. Tahir Nigah
Office Assistant

Vision

QEC (CUSIT) aspires to be a distinguished cell to ensure excellence in quality assurance instruments and viable procedures for assurance and enhancement of excellent quality delivery of educational services to the university students

Mission

QEC, CUSIT mission is to coordinate and evaluate quality assurance processes in teaching and support services aimed at achieving the university goals. It delivers services with accuracy, consistency, elasticity, reviewing and improving the work processes involving all stakeholders for continuous quality improvement and perpetuation of academic standards. Excellence is the commitment of QEC towards teaching and educational services.

Objectives

- To arrange faculty development programs as per need and requirements.
- To Monitor and review the internal academic activities through self-assessment.
- to improve the quality of teaching, research and development facilities.
- to achieve the academic standards by implementing processed criteria and ensure that all the programs meet their objectives and institutional goals.
- obtaining the feedback from all stakeholders for quality assurance of academic programs.
- to promote public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
- to equip the students for international competition in academics and serving the society.

Quality Enhancement Cell (QEC)

Activities at a Glance

Institutional Performance Evaluation IPE Self Evaluation 2022-23

AT's Self Assessment (Self Evaluation 2022-23)

Post Graduate Program Review (Self Evaluation 2022-23)

Awareness Session on Use of LMS 2022