

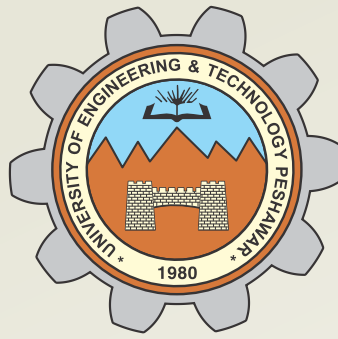
UNIVERSITY OF  
ENGINEERING AND  
TECHNOLOGY, PESHAWAR

ENGINEERING  
**A PROMISING  
FUTURE**

# UNDERGRADUATE **PROSPECTUS**

**2025 - 26**

[www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk)



# UNDERGRADUATE PROSPECTUS 2025-26

## **Vision**

To be among the top ranking universities of the world through Education, Research and Innovation

## **Mission**

To produce highly qualified, well-rounded professionals through education who play a leading role in the society by powering and driving knowledge-based economy and offer research services and innovation for sustainable development







CHIEF MINISTER



## Message from the

## CHANCELLOR

It is with great enthusiasm that we welcome you to the University of Engineering and Technology (UET) Peshawar. UET Peshawar is a hub of innovation and home to the brilliant minds who have emerged as leaders in their respective fields. UET Peshawar has established itself as a prestigious institution, nurturing the best and brightest students from Khyber Pakhtunkhwa and beyond.

Having a strong base of state-of-the-art centers of excellence dedicated to emerging fields such as Artificial Intelligence, Robotics, Renewable Energy, Earthquake Engineering, Gemology and more, the university continues to lead in both degree programs and groundbreaking research that is transforming industries and society.

Your admission to UET Peshawar is a testament to your hard work, commitment and the support of your parents. Getting admission to such an esteemed institution, renowned for its academic excellence and leadership in addressing societal challenges, is a remarkable achievement. The Government of Khyber Pakhtunkhwa is fully committed to providing you with the resources and support needed to ensure a comfortable and conducive study environment. I assure you that you will receive these services without compromise, under the guidance of experienced and capable leadership.

In a rapidly changing global landscape, I am confident that UET Peshawar is at the forefront, offering new undergraduate programs in multiple fields such as Software Engineering, Artificial Intelligence, Interior Design, and Cyber Security. Keeping pace with advancements in technology as well as gaining core engineering knowledge is essential for you as engineering students. We are dedicated to supporting your academic journey by continuously introducing cutting-edge fields of study.

As you embark on this exciting journey, I would advise everyone of you to empower yourself by gaining knowledge and skills and make meaningful contributions to society. We are excited to see you grow, excel, and lead in your chosen fields. Welcome once again to UET Peshawar, where your future begins.

**Ali Amin Khan Gandapur**  
Chief Minister, Khyber Pakhtunkhwa



## Message from the

## VICE CHANCELLOR

Welcome to the University of Engineering and Technology, Peshawar, a leading university in Khyber Pakhtunkhwa delivering quality engineering education for decades. Ranked by the Times Higher Education among the top universities in Asia and the world, we uphold the highest standards in research and academics. We have strong connections with industries, and research and development firms, offering internships, final year projects and scholarships. To make quality engineering education accessible at the door steps, we already have well-built campuses in Abbottabad, Bannu and Jalozi besides Peshawar Campus.

At UET Peshawar, you will study in a multicultural environment guided by renowned faculty, conduct research in state-of-the-art laboratories, and collaborate with students from across the world. Our programs, particularly in Artificial Intelligence, Cyber Security, Computing & AI, Software Engineering, Computer Science, Data Science, Architecture and Interior Design are aligned with market demands. We provide support for international students throughout their academic journey from admissions to housing, and research opportunities.

As a parent, choosing the right university for your child is one of the most important decisions you'll make. At UET Peshawar, we understand that responsibility. For decades, UET Peshawar has been a trusted name in engineering and technological education in Khyber Pakhtunkhwa. We are committed to nurturing responsible, skilled, and globally competitive graduates. With rankings from the Times Higher Education, industry partnerships, and access to financial aid and scholarships, we ensure that quality education remains accessible and purposeful for every student. Let me assure you, when your child joins UET Peshawar, they don't just earn a degree; they build a future.

Our centers of excellence in energy, artificial intelligence and earthquake engineering provide the ideal environment for impactful research through hands-on research and training. UET Peshawar maintains strong links to industry, government, and international academia and our scholars benefit from collaborative projects and funding opportunities at national level and globally.

We welcome you with passion for learning, problem-solving and impact. You will find generous opportunities as part of this fraternity. Take the next step in your academic journey; join UET Peshawar's vibrant academic community.

**Prof. Dr. Sadiq Khattak**  
Vice Chancellor





# STATUTORY BODIES

## SENATE

The Senate is the highest statutory body of the University and has the power of general supervision over the University. The Senate has all powers of the University not expressly vested in an Authority or Officer by University Model Act and all other powers not expressly mentioned in the Act that are necessary for the performance of its functions. The Senate consists of the following:

- The Chancellor, who shall be its Chairperson
- The Pro-Chancellor
- The Vice Chancellor
- One member of the Provincial Assembly of the Khyber Pakhtunkhwa to be nominated by the Speaker of the said Assembly.
- A retired judge to be nominated by Chief Justice of Peshawar High Court.
- Secretary of the relevant Administrative Department of Govt. or his nominee not below the rank of an Additional Secretary.
- The Secretary to Government, Higher Education Department, or his nominee not below the rank of an Additional Secretary.
- The Secretary to Government, Finance Department, or his nominee not below the rank of an Additional Secretary.
- The Secretary to Government, Establishment Department, or his nominee not below the rank of an Additional Secretary.
- The Chairman, Higher Education Commission or his nominee not below the rank of Director General.
- One eminent or distinguished graduates of the University who are not its employees to be nominated by the Chancellor.
- Two persons from the academic community of the Province of the Khyber Pakhtunkhwa or the country, other than an employee of the University, at the level of professor or Principal, to be appointed by the Chancellor.
- Four University Teachers, including one Professor, one Associate Professor, one Assistant Professor and one Lecturer to be elected by teachers of their respective cadres from amongst themselves.
- Four persons from society at large being persons of distinction in the fields of administration, management, education, academics, law, accountancy, medicine, fine arts, architecture, industry, agriculture, science, technology and engineering with a view to create diversity and balance across the various fields, to be nominated by the Chancellor.
- One University Administrative Officer to be elected from amongst all the Administrative Officers in the prescribed manner.

## SYNDICATE

The Syndicate is the executive body of the University, subject to the provisions of the Act and Statutes, exercise general supervision over the affairs and management of the University. Members of the Syndicate are:

- The Vice Chancellor, who shall be its Chairperson
- A retired judge to be nominated by Chief Justice of Peshawar High Court
- All the Deans of the faculties of the University
- Secretary of the relevant administrative Department or his nominee not below the rank of an Additional Secretary.
- The Secretary to Government, Higher Education Department, or his nominee not below the rank of a Deputy Secretary.
- The Secretary to Government, Establishment Department, or his nominee not below the rank of Additional Secretary.
- The Secretary to Government, Finance Department, or his nominee not below the rank of Additional Secretary.
- Two Principals (preferably one male and one female) of affiliated colleges to be nominated by the Academic Council.
- One Professor, One Associate Professor, One Assistant Professor and one Lecturer of the University to be elected by teachers of their respective cadres in the manner as may be prescribed by Statutes.
- One Principal or Chairman or Director of the Teaching Department or Institute or Centre to be elected from amongst themselves in accordance with the prescribed Statutes.
- One administrative officer to be elected from amongst themselves in a manner as may be prescribed by Statutes.
- Registrar
- Treasurer
- One nominee of the Commission not below the rank of an advisor or member.
- One person of eminence to be nominated by the Chancellor.
- Two University Administrative Officers to be elected from amongst all the Administrative Officers in the prescribed manner.

## ACADEMIC COUNCIL

The Academic Council is the principal academic body of the University, subject to provisions of the Act-2016 and the statutes, has the powers to lay down proper standards of instruction, research and examinations and to regulate and promote the academic life of the University. The Academic Council consists of the following:

- The Vice Chancellor, who shall be its Chairperson
- The Chairpersons of Teaching Departments or Directors of academic institutes/units
- The Deans
- All Professors including Emeritus and Meritorious Professors
- Six university teachers including two Associate Professors, two Assistant Professors and two lecturers to be elected from amongst themselves in the manner prescribed by Statutes.
- Two Principals, preferably one female, of affiliated colleges, one each from public and private sector, to be nominated by the relevant administrative Secretary of the Government department.
- One Principal of the constituent college, to be nominated by the Senate.
- The Director Admissions
- The Controller of Examinations
- The Registrar, who shall be its member-cum-secretary

# CONTACT US



[www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk)

UETPeshawarOfficial @theuetpeshawar TheUETPeshawar school/uetpeshawarofficial

UET Peshawar strives to provide admission related information to potential students. The following departments respond to various queries regarding selection of academic disciplines, admission schedule and important admissions announcements.

## Directorate of Admissions

The Directorate of Admissions is responsible for the student admissions information; provides specific and general information to prospective students.

**Contact:** 091-9216784, **website:** [www.enggentrancetest.pk](http://www.enggentrancetest.pk) **E-mail:** [admission@uetpeshawar.edu.pk](mailto:admission@uetpeshawar.edu.pk)

## Directorate of Media and Publications

The Directorate of Media and Publications is responsible for media activities and in-house publications. It runs an extensive admission publicity campaign; circulates admission schedules and announcements through social media platforms. **Contact No:** 091-9222147, **E-mail:** [dirmedia@uetpeshawar.edu.pk](mailto:dirmedia@uetpeshawar.edu.pk)

## Campus Management Solutions (CMS) / IT Center

UET Peshawar with its core mandate to provide “quality education” is on a continuous path to bring new technologies in the academic processes. In 2006, UET Peshawar under the auspices of HEC took an initiative and established an advanced network infrastructure through the Campus Management Solutions (CMS) software services. The CMS, a web-based portal was officially launched in 2008 at UET Peshawar with an aim to provide faculty/staff and the students with immediate access to real-time information that helps to streamline the processes, reduce manual handling and building a database that effectively manages student accounts. In 2012, CMS was transformed into Information Technology Center by adding a wide spectrum of services to its domain. These services are offered across the campus which include CMS software services; providing 24/7 internet services on campus and hostels; official email services; VPN to access HEC Digital Library for the students and faculty/staff; video conferencing; issuance of Microsoft licensed softwares to the departments; managing the official website: [www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk) with the latest information on academic and research programs, and IT Help Desk Support. The University also started the Smart Campus (Eduroam), a world-wide education roaming service in 2019 which has further enhanced the internet connectivity for the students and faculty/staff across campus. Over the years, the integration of information technology into academic and administrative processes has completely transformed the learning environment and student lifestyle on campus. **Contact:** (+92-91) 9222141, **Email:** [cmshelp@uetpeshawar.edu.pk](mailto:cmshelp@uetpeshawar.edu.pk)

# LEARNING & SUPPORT SERVICES

**Providing top-notch academic facilities is central to UET's policy. Our relevant and state-of-the-art curricula are fully supported with appropriately trained faculty and administrative staff, working in well-equipped laboratories. In addition, there are support facilities that add another dimension to the learning cycle.**

## Student Services Center

The Student Services Center (SSC) proactively and positively facilitate undergraduate and graduate students, as well as alumni, within a specific period. The SSC ensures the best service delivery and affective support to improve efficiency and address student matters related to campus management solutions, academics, accounts, examination, clearance and scholarships.

## Student Facilitation Centers

Each department of the University has a modern Students' Facilitation Center equipped with state-of-the-art facilities. Semester Coordinators, Academic Advisors, CMS Operators, and Computer Operators are available in the Centers to help students in their academic related matters. Timetables, date sheets, scholarships' notifications and all types of forms & templates required to students are also available in the centers. The facilitation centers work on the principle of one-window operation, where students are provided with services under one roof. The main services provided by the center include but are not limited to:

- Listening to students' queries with respect to improvement in courses, CGPA, etc.
- Solving students' problems related to late fee, clash in timetable, etc.
- Providing guidance to students for success in their academic career.

## Career Development Center

The Career Development Center is committed to serve students in a timely and effective manner to grab job opportunities after their graduation from the university. Our professionally trained career counseling staff provides a comprehensive collection of client counseling services to equip you with the tools to make successful career choices. To achieve this goal, one-to-one counseling sessions and group discussions are held with graduating students to help them in making informed decisions about their career. Internship opportunities and interviews are regularly arranged for potential employers at university for short term placements of the students.

## Computing and Communications Services

These services are available for faculty and students alike and include high speed internet services, video conferencing, access to online databases such as e-journals and e-books provided through HEC digital library.

## Health Care Services

Students requiring medical attention are referred to the Khyber Teaching Hospital, Hayatabad Medical Complex and Lady Reading Hospital for which they are provided ambulance round the clock.

## Day Care Center

UET Peshawar has taken significant measures to facilitate working mothers during their service. A dedicated day-care facility, recently established at Main Campus Peshawar for female employees is aimed to ensure adequate childcare access and ultimately facilitate the female workforce with higher job satisfaction by taking care of their children during job. Child care within the campus would also help the faculty and administration to work with complete concentration when they have the surety that their child is being looked after in a secure and quality environment with love and affection. At large, the center's establishment is a significant step towards promoting a supportive work environment for female workers.

## University Transport

The Transport Directorate provides adequate transport facilities to students and faculty members for official trips only. All official trips including survey camps and field trips for both faculty and students are arranged by the Transport Directorate.

## University Workshops

The University Workshops have extensive equipment serving a broad range of requirements, from heavy engineering applications to small-component shops. It provides ample opportunity to engineering graduates for hands-on experience during their academic stay. During the first and second years, the students are familiarized with tools, machines and processes, while during the third and fourth years, they are assigned to work on projects which count towards their final degree credits.

Major workshops include Drafting Shop, Machine Shop, Fitting Metal Shop, Foundry Shop, Carpentry Shop, Electric Shop and CNC Laboratory.





# Extra-Curricular Activities

## Clubs, Societies and Events

**Orientation Day:** For the new entrants, every department holds Orientation Day before the commencement of classes of a new academic session. Admission folders, having important information including semester schedules, courses offered and contact details are shared with the students as well as desk information is also offered by student organizers and faculty. It gives a great opportunity to see the University and to get a feel of its atmosphere.

**Final Year Project Exhibition:** “The Final Year Project Exhibitions” are arranged annually each year where final-year engineering students publicly demonstrate their design projects. Through this platform the students are engaged with a wide audience of engineering industry members, academics, media and the general public. The exhibitions are widely covered in media to publicize the innovative work done by the students.

**Sports:** The Directorate of Sports provides the opportunity for students to participate in physical activities to achieve a healthier lifestyle, to develop new skills and to improve their sporting talent. The students play friendly matches with neighboring universities, and private clubs. The Directorate also organizes inter-departmental sports tournament annually and friendly faculty cricket matches.

## CLUBS & SOCIETIES

Besides extensive academic learning, the students have the opportunity to develop and enhance their interpersonal and community skills. The Directorate of Clubs and Societies is the umbrella under which professional and general student societies perform different tasks throughout their academic career at the University. Following is the list of registered clubs and societies where students can register themselves and explore their hidden talents.

### Professional / Technical Societies

- Institute of Electrical and Electronics Engineers (IEEE)
- American Society of Mechanical Engineers (ASME)
- Institution of Civil Engineers (ICE)
- Robotics Clubs
- Institute of Industrial & Systems Engineers (IISE)
- Pakistan Institute of Chemical Engineer (PICHE)
- Association of Energy Engineers (AEE)
- American Society of Heating Refrigeration & Air Conditioning Engineers (ASHRAE)
- Computer Cell
- Computer Society
- Institute of Mechanical Engineers (IMechE)
- Institution Of Engineering And Technology (IET)
- Society of Mining Engineers
- Society of Automotive Engineering (SAE)

### General Societies

- Literary and Debating Society
- Hiking and Trekking Club
- Islamic Society of Engineers
- Let's Help Welfare Society
- University Sports Society
- Young Entrepreneurship Society
- University Media Club
- Pakhto Society
- Anti Drugs & Tobacco



# TABLE OF CONTENTS

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| ABOUT PESHAWAR                                                    | 01        |
| THE UNIVERSITY                                                    | 02        |
| PESHAWAR CAMPUS AND SATELLITE CAMPUSES                            | 03        |
| PROGRAM LEARNING OUTCOMES (PLO'S)                                 | 04        |
| <b>FACULTY OF CIVIL, AGRICULTURAL AND MINING ENGINEERING</b>      | <b>05</b> |
| Department of Civil Engineering, Peshawar Campus                  | 06        |
| Department of Civil Engineering, Bannu Campus                     | 08        |
| Department of Civil Engineering, Jalozai Campus                   | 09        |
| Department of Agricultural Engineering, Peshawar Campus           | 10        |
| Department of Mining Engineering, Peshawar Campus                 | 12        |
| <b>FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING</b>             | <b>14</b> |
| Department of Electrical Engineering, Peshawar Campus             | 15        |
| Computing and Artificial Intelligence                             | 19        |
| Department of Electrical Engineering, Bannu Campus                | 20        |
| Department of Electrical Engineering, Jalozai Campus              | 21        |
| Department of Electronics Engineering, Abbottabad Campus          | 22        |
| Department of Computer Systems Engineering Peshawar Campus        | 24        |
| Software Engineering Program, Peshawar Campus                     | 26        |
| Software Engineering Program, Abbottabad Campus                   | 28        |
| Department of Computer Science, Peshawar Campus                   | 29        |
| Artificial Intelligence Program, Peshawar Campus                  | 32        |
| Artificial Intelligence Program, Bannu Campus                     | 34        |
| Cyber Security Program, Peshawar Campus                           | 35        |
| Department of Computer Science, Jalozai Campus                    | 37        |
| Department of Computer Science, Abbottabad Campus                 | 38        |
| Department of Computer Science, Bannu Campus                      | 39        |
| <b>FACULTY OF MECHANICAL, CHEMICAL AND INDUSTRIAL ENGINEERING</b> | <b>40</b> |
| Department of Mechanical Engineering Peshawar Campus              | 41        |
| Department of Mechanical Engineering, Jalozai Campus              | 43        |
| Department of Mechatronics Engineering, Peshawar Campus           | 44        |
| Department of Chemical Engineering Peshawar Campus                | 46        |
| Department of Industrial Engineering Peshawar Campus              | 48        |
| Department of Industrial Engineering Jalozai Campus               | 50        |
| Energy Engineering Program (USPCAS-E)                             | 51        |
| <b>FACULTY OF ARCHITECTURE, ALLIED SCIENCES AND HUMANITIES</b>    | <b>53</b> |
| Department of Architecture, Abbottabad Campus                     | 54        |
| Department of Architecture, Peshawar Campus                       | 56        |
| Department of Basic Sciences & Islamiat, Peshawar Campus          | 59        |
| <b>UNIVERSITY RULES AND REGULATIONS</b>                           | <b>61</b> |
| Admission Rules (Engineering Program)                             | 62        |
| Admission Rules (Non-Subsidized Program)                          | 72        |
| Admission Rules (Non-Engineering Program)                         | 73        |
| Allocation of Seats                                               | 74        |
| University Fee                                                    | 76        |
| Examination Rules                                                 | 80        |
| Scholarships and Awards                                           | 88        |
| Conduct and Discipline Regulations                                | 90        |
| Hostel Regulations                                                | 94        |
| CONTACTS                                                          | 102       |



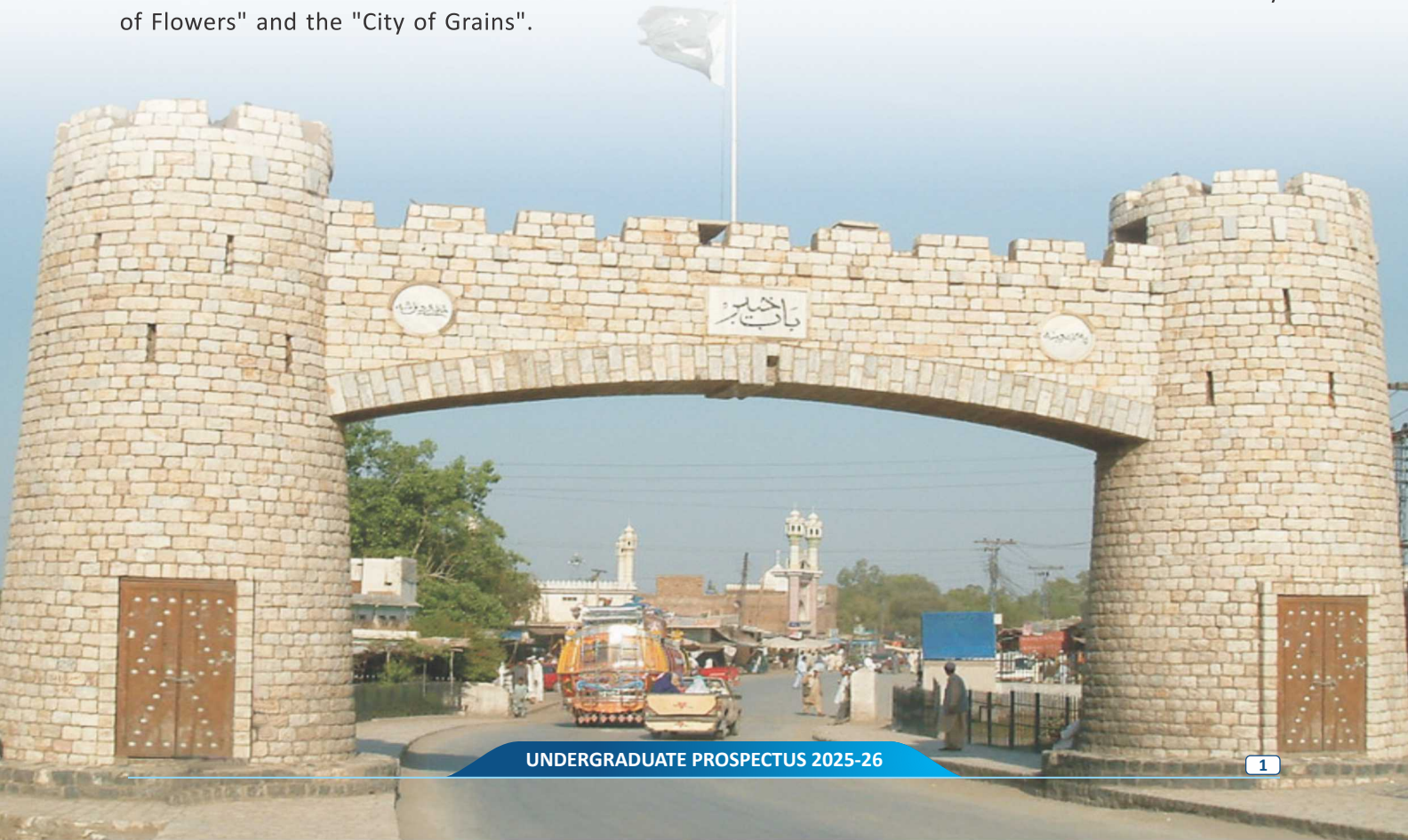
# About Peshawar

**P**eshawar is home to proud Pakhtoons. It is the capital of the Khyber Pakhtunkhwa, and is a truly frontier town, a meeting place of the subcontinent and Central Asia. It is also a place where ancient traditions rub against those of today, where the bazaar and the old city has changed little in the past hundred years, except to have a modern university, some first-class hotels, several international banks and one of the best museums in Pakistan. Peshawar is located around 172 km (107 miles) west of Islamabad by road, and around half an hour by air.

No other city is quite like Peshawar. The bazaar within the walls is like an American Wild West movie, costumed as a Biblical epic. Pashtun tribesmen stroll down the streets with hands hidden within their shawls, their faces half obscured by the loose ends of their turbans. Overlooking all are the massive Bala Hisar Fort, a military installation, and the elegant Mahabat Khan Mosque.

On the other side of the railway line is the cantonment, its tree lined streets wide and straight, as they pass gracious administrative buildings and spacious bungalows, commanding equally spacious gardens. Further west is University Town, Peshawar's "newer" section, and the site of UET, Peshawar. Further west is the sprawling township of Hayatabad, edged by the Karkhano Markets (Industrial Markets).

The fortunes of Peshawar are inextricably linked to the Khyber Pass, the eastern end of which it guards. The pass seems to have been little used in prehistoric times, and even in early historic times, it was generally shunned as too narrow, and thus too prone to ambush. Not until the powerful Kushans invaded Gandhara and pacified the area in the first century AD did the Khyber become a popular trade route. Since then, many emperors and rulers have ruled over this area and during this time, Peshawar has had as many names as its rulers. Moghul emperor Akbar, formally gave the city the name Peshawar which means "The Place at the Frontier". Earlier it had been known as the "City of Flowers" and the "City of Grains".





# THE UNIVERSITY

UET Peshawar is a premier institution of higher learning in the field of engineering sciences in Khyber Pakhtunkhwa. Started as a College in 1952 and University in 1980, it boasts twenty nine engineering and non-engineering departments through four faculties (Faculty of Electrical and Computer Engineering, Faculty of Civil, Agricultural and Mining Engineering, Faculty of Mechanical, Chemical and Industrial Engineering and Faculty of Architecture, Allied Sciences and Humanities) covering an entire spectrum of engineering and non-engineering disciplines at undergraduate and postgraduate degree programs offered in its three campuses i.e. Abbottabad, Jalozai and Bannu Campus.

With producing more than 2000 graduates every year, UET Peshawar has been treading on a continuous path to achieve its goal with a stronger and more efficient infrastructure and qualified Ph.D. faculty. Currently more than 8,500 students are enrolled in various disciplines of undergraduate and postgraduate levels.

The Centers of Excellence at UET Peshawar are recognized for high impact research in various fields of engineering and teaching excellence in Pakistan. Excellence in teaching is a cornerstone of the UET experience and is based on Outcome Based Education system that emphasizes the achievement of student outcome thus brings it at par with international standards.



## PESHAWAR CAMPUS

The Peshawar Campus houses twenty nine academic departments, offering a wide range of undergraduate and postgraduate programs in engineering and non-engineering disciplines. All engineering academic programs are accredited under the Outcome-Based Education (OBE) system and internationally recognized through the Washington Accord, ensuring global acceptability of its degrees. With a strength of over 200 Ph.D. qualified faculty members, UET Peshawar places a strong emphasis on quality teaching and research-driven learning. The campus features modern classrooms and state-of-the-art laboratories, offering a dynamic and supportive environment that



fosters academic excellence and practical, hands-on training to the students. The Peshawar Campus also hosts several Centers of Excellence including the U.S.-Pakistan Center for Advanced Studies in Energy (USPCAS-E), National Institute of Urban Infrastructure Planning (NIUIP), Center for Intelligent Systems and Networks Research (CISNR), Earthquake Engineering Center, Center for Robotics and Automation, and Gems and Jewelry Center of Excellence. These centers serve as hubs for cutting-edge research, certifications, industrial collaborations and innovation that addresses critical real-world challenges in relevant fields.



## SATELLITE CAMPUSES

### Abbottabad Campus

The Abbottabad Campus of UET Peshawar, established in October 2002, is located in the scenic and educationally vibrant city of Abbottabad. The campus currently offers undergraduate programs in Electronic Engineering, Architecture, Computer Science, and Software Engineering, along with MS programs in the Departments of Architecture and Electronic Engineering, serving over 450 students. Expansion plans are in progress to introduce new programs in Electrical Engineering, Civil Engineering, and Urban & Regional Planning. On-campus hostel facilities include Sarban Hall Boys Hostel, Jalal Baba Boys Hostel, and Fatima Jinnah Girls Hostel, with an additional boys hostel under construction—all located within the secure boundaries of the campus. UET Abbottabad Campus continues to grow as a hub of academic excellence in engineering, architecture, and technology.

### Bannu Campus

Bannu Campus became operational in May 2002, in the premises of the Comprehensive High School in the city. This has brought higher education in engineering sciences to this neglected middle-southern region. Prior to this, students would go to Dera Ismail Khan, Kohat or Peshawar to pursue their higher studies.

Currently, two traditional disciplines in engineering are offered and efforts are afoot to consolidate these Programs. Large investment in strengthening laboratories, and upgrading infrastructure are being done to quickly bring this campus at par with others.

### Jalozai Campus

The Jalozai Campus funded by HEC at the cost of Rs. 6,565.272 Million is being established on Pabbi-Cherat Road at 11 KM Southwards from GT Road in district Nowshera. Total area of the campus is 402 acres and the total covered area is approximately 1,021,233 sq. ft. with live-in strength of 1700 students in five departments. The Campus includes academic blocks, central facilities, amenities, sports & recreational facilities, hostels, staff residences together with all necessary infrastructure facilities.

Having the services of all Ph.D faculty, Jalozai Campus offers education in various engineering disciplines including Civil Engineering, Electrical Engineering, Mechanical Engineering, Industrial Engineering and Computer Science.



Abbottabad Campus



Jalozai Campus



Bannu Campus



# Program Learning Outcomes (PLOs)

The Outcome-Based Education (OBE) framework is a student-centric approach with a focus on achieving learning outcomes to ensure that graduates possess the necessary skills and competencies for professional success. Recognized globally, OBE aligns with the standards set by the Washington Accord, an international agreement that promotes mutual recognition of engineering qualifications by emphasizing outcome-based accreditation. As a signatory of the Washington Accord since 2017, Pakistan has adopted OBE to align its engineering education with global standards, facilitating international recognition and mobility for its graduates. UET Peshawar has achieved Level 2 accreditation from the Pakistan Engineering Council (PEC), demonstrating its commitment to OBE principles and compliance with international accreditation standards.

The engineering curriculum is the most important instrument for grooming the students based on 11x Graduate Attributes (GAs) encompassed under the Program Learning Outcomes (PLOs). The PLOs are the narrower statements that describe what students are expected to know and be able to do at the time of their graduation. These PLOs mainly relate to the knowledge, skills and attitudes that students acquire during their studies.

## 1. Engineering Knowledge

Apply knowledge of mathematics, natural science, engineering fundamentals and Engineering specialization to the solution of complex engineering problems.

## 2. Problem Analysis

Identify, formulate, conduct research literature, and analyse complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

## 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.

## 4. Investigation

Conduct investigation of complex Engineering problems using research-based knowledge and research methods, including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

## 5. Tool Usage

Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex Engineering problems, with an understanding of the limitations.

## 6. The Engineer and the World

Analyze and evaluate sustainable development impacts to society, the economy, sustainability, health and safety, legal frameworks, and the environment while solving complex engineering problems.

## 7. Ethics

Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant national and international laws. Demonstrate an understanding of the need for diversity and inclusion.

## 8 Individual and Collaborative Team Work:

Function effectively as an individual, and as a member or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings.

## 9. Communication

Communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, and make effective presentations, taking into account cultural, language, and learning differences.

## 10. Project Management and Finance

Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, to manage projects in multidisciplinary environments.

## 11. Lifelong Learning

Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change.



# FACULTY OF CIVIL, AGRICULTURAL AND MINING ENGINEERING



## MESSAGE FROM DEAN

Welcome to the Faculty of Civil, Agricultural and Mining Engineering!

It is a matter of great pride to welcome the brightest of our youth to the Faculty of Civil, Agricultural, and Mining Engineering at UET Peshawar. A professional and specialized education has become essential for future success in today's competitive and globalised world. Our faculty is dedicated to providing practical, knowledge-based academic excellence in these fields.

Our graduates have made countless contributions to various economic and social sectors, demonstrating their leadership and commitment to society. This reflects the quality of teaching by our highly qualified and experienced faculty members, who bring practical, experience-based knowledge to their classrooms. As experts in their fields, the research conducted by our faculty members continues to drive positive change across the region.

We constantly strive to enhance our programs to remain at the forefront of higher education trends. Our PEC (Pakistan Engineering Council) accreditations ensure we maintain high academic standards. Each student here has a bright future, equipped with the skills necessary to meet the demands of private, public, and international organizations. Our classrooms, well-equipped laboratories, and libraries are all focused on preparing you to successfully navigate the challenges of the modern world.

With this message, I welcome you and wish you an enjoyable and intellectually satisfying four-year journey with us.

**Prof. Dr. Bashri Alam**  
Dean, Faculty of Civil, Agricultural  
and Mining Engineering

## Mission Statement

To support teachers in providing dynamic leadership for excellent teaching, research, innovation and support to industry thereby, contributing to sustainable socio-economic growth of Pakistan; and to produce well-rounded, enterprising engineering graduates possessed with strong ethical values, professionalism, willingness to work hard and dedicatedly towards improving the world a better place to live for all.

## Department of Civil Engineering Peshawar Campus

### Introduction

The courses of study leading to the Degree of B.Sc. Civil Engineering have been planned to offer a broad spectrum of Civil Engineering subjects. The curriculum lays emphasis on subjects of structures, irrigation, geotechnical engineering, transportation engineering, environmental engineering and hydraulics. These courses include laboratory and design work.

The prescribed syllabi and examination standards compare favorably with the standards of undergraduate work developed in UK, USA and Canada.

In addition to course work, the final year students are required to work on a project under the guidance of a senior faculty member. Study tours and extension lectures are also arranged during the session for the benefit of the students.

Second or third year students during their summer break and final year students after passing the final examination in civil engineering may work with some recognized organizations, registered with PEC or government department or semi-government department to acquire practical training required for award of degree.

The Department of Civil Engineering offers a postgraduate Program with specialization in Structural Engineering, Water Resources Engineering, Environmental Engineering, Geotechnical Engineering, Transportation Engineering and Earthquake Engineering.

### Academic Programs

- B.Sc. Civil Engineering
- M.Sc. Civil Engineering
- Ph.D. Civil Engineering

### Mission

To produce civil engineers having the knowledge, skills, and professional attitude that will enable them to develop innovative, safe, economical and sustainable solutions for society.

### Program Educational Objectives (PEOs)

There are four educational objectives of civil engineering program:

The Civil Engineering graduates will:

**PEO-1.** "Exhibit flexibility and competency in bringing demanding projects to completion by applying in-depth engineering principles, analytical skills and modern practices."

**PEO-2.** "Practice relevant codes for the betterment of civic/communal issues using eco-friendly standard protocols considering hazard mitigation and human well-being."

**PEO-3.** "Pursue a strategy of long-term knowledge acquisition by considering modern computational techniques and novel tools so as to bring noticeable change."

**PEO-4.** "Lead and work collaboratively, through sound communication, efficient resource management and effective public dealing, to achieve quality assurance in diverse field and office environments."

### List of Laboratories

The Department of Civil Engineering is supported by well-equipped laboratories having state-of-the-art machinery and equipment. It has the following laboratories:

- Concrete Laboratory
- Hydraulics Laboratory
- Soil Mechanics Laboratory
- Highway Engineering Laboratory
- Material Testing Laboratory
- Surveying Laboratory
- Public Health Engineering Laboratory
- Postgraduate Computer Laboratory
- Structural Engineering Laboratory
- Undergraduate Computer Laboratories (02)
- Earthquake Engineering Centre

### Field Visits / Industrial Visits

Field visits to Civil Engineering projects of national importance are arranged for students. Each year students and concerned faculty members visit facilities/projects having high technical stature.

### Research

The faculty is involved in need-based target oriented research projects. Some of the projects recently undertaken by faculty are related to:

- Application of Slope Stability Techniques
- Development of Attenuation Relationship for Pakistan
- Microzonation Map for Different Cities of Pakistan
- Seismic Strength Evaluation of Masonry Buildings
- Evaluation of Indigenous Pozzolanic Materials
- Insulation Properties of Porous Bricks Cavity Walls and Other Indigenous Materials.
- Shake Table Test on Reduced Scale Masonry and RC Structures.
- Advanced Composite Materials
- Bridge Assessment (Collapse Analysis)
- Earthquake Resistant Design
- Low Cost Water Filters
- Cost and Performance Optimization of Bridge Superstructures
- Use of Waste Material in Construction of new Roads
- Seismic Performance Assessment and Retrofitting of RC frame, low strength masonry, and steel moment frames.

### Survey Camp

Each year field course in surveying and leveling is arranged, for students of third year Civil Engineering for a period of three weeks for site experience. The course includes hands-on work in contouring, triangulation, fly leveling and road surveying. The survey is done with theodolites, levels and total stations. Survey plots are prepared with both manual and computer-aided drawings.

### Chairman

Prof. Dr. Amjad Naseer Ph.D. (Pak)

### Meritorious Professor

Prof. Dr. Qaisar Ali Ph.D. (Pak)

### Professors

Prof. Dr. Irshad Ahmad Ph.D. (Pak)  
 Prof. Dr. Amjad Naseer Ph.D. (Pak)  
 Prof. Dr. Muhammad Javed Ph.D. (Pak)  
 Prof. Dr. Bashir Alam Ph.D. (USA)  
 Prof. Dr. Syed Muhammad Ali Ph.D. (Pak)  
 Prof. Dr. Rawid Khan Ph.D. (UK)  
 Prof. Dr. Khan Shahzada Ph.D. (Pak)  
 Prof. Dr. Mohammad Ashraf Ph.D. (Pak)  
 Prof. Dr. Yasir Irfan Badrashi Ph.D. (Pak)

### Associate Professors

Dr. Muhammad Fahad Ph.D (USA)  
 Dr. Mujahid Khan Ph.D. (Pak)  
 Dr. Muhammad Waseem Ph.D. (Italy)

### Assistant Professors

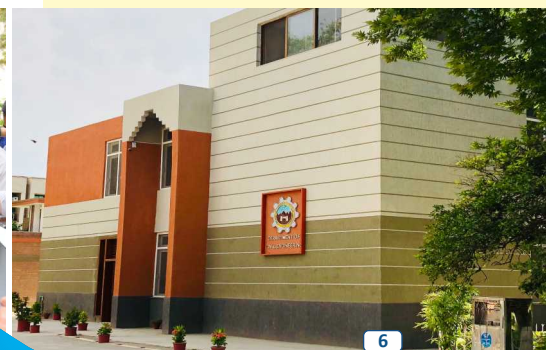
Dr. Mohammad Adil Ph.D. (UK)  
 Dr. Haleema Attaullah Ph.D. (Pak)  
 Dr. Tabinda Masud Ph.D. (Pak)  
 Engr. Faisal ur Rehman M.Sc. (Pak)  
 Dr. Mansoor Khan Ph.D. (Pak)  
 Dr. M. Adeel Arshad Ph.D. (Pak)  
 Dr. Shahid Ullah Ph.D. (Germany)  
 Dr. Qazi Samiullah Ph.D. (France)  
 Dr. Muhammad Safdar Ph.D. (Canada)  
 Dr. Ateeq Ur Rauf Ph.D. (Pak)

### Lecturers

Dr. Alamgir Khalil Ph.D. (Thailand)  
 Dr. Muhammad Fahim Ph.D (USA)  
 Dr. Sikandar Hayat Sajid Ph.D (Canada)  
 Engr. Arsalan Khan M.Sc. (Pak)  
 Engr. Hizbullah Sajid M.Sc. (Pak)  
 Dr. Muhammad Salman Ph.D. (Pak)  
 Engr. Mudassir Iqbal M.Sc. (Pak)  
 Dr. Zain ul Abidin Ph.D. (Pak)

### Laboratory Engineers

Engr. Hamna Shakeel M.Sc. (Pak)  
 Dr. Irfan Jamil Ph.D. (Pak)  
 Engr. Hanif Ullah M.Sc. (Pak)





# Scheme of Studies

| Semester 1          |                                         | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                            | Lecture       | Lab. | Total        |
| BSI-133             | Functional English                      | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                          | 1             | 0    | 1            |
| BSI-101             | Islamic Studies                         | 2             | 0    | 2            |
| BSI-110             | Pakistan Studies                        | 2             | 0    | 2            |
| BSI-120             | Professional Ethics                     | 2             | 0    | 2            |
| CE-112              | Engineering Drawing for Civil Engineers | 1             | 6    | 3            |
| CE-118              | Applications of ICT                     | 2             | 3    | 3            |
| EE106L              | Electrical Technology                   | 0             | 3    | 1            |
| Total Contact Hours |                                         | 13            | 12   |              |
| Total Credit Hours  |                                         | 13            | 4    | 17           |

| Semester 3          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Lecture       | Lab. | Total        |
| BSI-211             | Quantitative Reasoning - I        | 3             | 0    | 3            |
| CE-120              | Building Construction Engineering | 2             | 0    | 2            |
| CE-231              | Computer Programming              | 1             | 3    | 2            |
| CE-122              | Civil Engineering Materials       | 2             | 3    | 3            |
| CE-217              | Engineering Geology & Seismology  | 2             | 0    | 2            |
| CE-226              | Surveying - I                     | 2             | 3    | 3            |
| CE-225              | Mechanics of Solids-I             | 2             | 3    | 3            |
| Total Contact Hours |                                   | 14            | 12   |              |
| Total Credit Hours  |                                   | 14            | 4    | 18           |

| Semester 5          |                                     | Contact hours |      | Credit hours |
|---------------------|-------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                        | Lecture       | Lab. | Total        |
| CE-336L             | Building Information Modeling (BIM) | 0             | 3    | 1            |
| BSI-121             | Civics and Community Engagement     | 2             | 0    | 2            |
| CE-324              | Environmental Engineering - I       | 2             | 0    | 2            |
| CE-330              | Fluid Mechanics - II                | 3             | 3    | 4            |
| CE-331              | Geotechnical Engineering - I        | 2             | 3    | 3            |
| CE-310              | Transportation Engineering - I      | 2             | 0    | 2            |
| CE-301              | Structural Analysis - II            | 3             | 0    | 3            |
| CE-318L             | GIS & Remote Sensing Lab            | 0             | 3    | 1            |
| Total Contact Hours |                                     | 14            | 12   |              |
| Total Credit Hours  |                                     | 14            | 4    | 18           |

| Semester 7          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| CE-430              | Foundation Engineering                    | 2             | 0    | 2            |
| CE-436              | Entrepreneurship                          | 2             | 0    | 2            |
| CE-421              | Quantity Surveying & Civil Engg. Practice | 2             | 3    | 3            |
| CE-431              | Engineering Hydrology                     | 2             | 0    | 2            |
| CE-416              | Reinforced Concrete Design - II           | 3             | 3    | 4            |
| CE-409              | Steel Structures                          | 2             | 0    | 2            |
| CE-411              | FYDP Part -I                              | 0             | 9    | 3            |
| Total Contact Hours |                                           | 13            | 15   |              |
| Total Credit Hours  |                                           | 13            | 5    | 18           |

Total Credit Hours = 140

Theory Courses = 76%

Lab Courses = 24%

| Semester 2          |                                              | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                 | Lecture       | Lab. | Total        |
| BSI-134             | Expository Writing                           | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                              | 1             | 0    | 1            |
| BSI-109             | Ideology and Constitution of Pakistan        | 2             | 0    | 2            |
| BSI-112             | Linear Algebra and Differential Equations    | 3             | 0    | 3            |
| BSI-123             | Calculus and Analytical Geometry             | 3             | 0    | 3            |
| ME-191              | Mechanical Tech. & Heavy Constr. Machinery   | 2             | 0    | 2            |
| CE-230              | Computer Aided Drawing for Civil Engineering | 1             | 3    | 2            |
| CE-117              | Engineering Mechanics                        | 2             | 3    | 3            |
| Total Contact Hours |                                              | 17            | 6    |              |
| Total Credit Hours  |                                              | 17            | 2    | 19           |

| Semester 4          |                                         | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                            | Lecture       | Lab. | Total        |
| BSI-212             | Quantitative Reasoning - II             | 3             | 0    | 3            |
| CE-206              | Fluid Mechanics - I                     | 2             | 3    | 3            |
| CE-210              | Intro. to Architecture & Urban Planning | 2             | 0    | 2            |
| CE-228              | Mechanics of Solids-II                  | 2             | 3    | 3            |
| CE-215              | Structural Analysis - I                 | 3             | 0    | 3            |
| CE-229              | Surveying - II                          | 2             | 3    | 3            |
| Total Contact Hours |                                         | 14            | 9    |              |
| Total Credit Hours  |                                         | 14            | 3    | 17           |

| Semester 6          |                                              | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                 | Lecture       | Lab. | Total        |
| CE-333              | Environmental Engineering - II               | 2             | 3    | 3            |
| CE-335              | Geotechnical Engineering-II                  | 2             | 3    | 3            |
| CE-303              | Hydraulics                                   | 2             | 0    | 2            |
| CE-320              | Reinforced Concrete Design - I               | 3             | 3    | 4            |
| CE-311              | Transportation Engineering - II              | 3             | 3    | 4            |
| BSI-243             | Numerical Analysis and Computer Applications | 2             | 0    | 2            |
| Total Contact Hours |                                              | 14            | 12   |              |
| Total Credit Hours  |                                              | 14            | 4    | 18           |

| Semester 8          |                                            | Contact hours |      | Credit hours |
|---------------------|--------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                               | Lecture       | Lab. | Total        |
| CE-438              | Project Management and Engineering Law     | 2             | 0    | 2            |
| CE-439              | Occupational Health & Safety               | 1             | 0    | 1            |
| CE-440              | AI for Civil Engineers                     | 0             | 3    | 1            |
| CE-412              | Intro. to Str. Dynamics & Earthquake Engg. | 2             | 0    | 2            |
| CE-437              | Human Resource Management                  | 2             | 0    | 2            |
| CE-432L             | Hydraulic and Hydrology Lab                | 0             | 3    | 1            |
| CE-402              | Irrigation Engineering                     | 3             | 0    | 3            |
| CE-411              | FYDP Part -II                              | 0             | 9    | 3            |
| Total Contact Hours |                                            | 10            | 15   |              |
| Total Credit Hours  |                                            | 10            | 5    | 15           |

## Department of Civil Engineering Bannu Campus

### Introduction

The courses of study leading to the Degree of B.Sc. civil engineering have been planned to offer a broad spectrum of civil engineering subjects. The curriculum lays emphasis on subjects of structures, irrigation, geotechnical, transportation engineering, environmental engineering and hydraulics. These courses include laboratory and design work.

The prescribed syllabi and examination standards compare favorably with the standard of undergraduate work developed in UK, USA and Canada. In addition to course work, the final year students are required to work on a project under the guidance of senior faculty members. Study tours and extension lectures are also arranged during the session for the benefit of the students. Second year and third year students during their summer break work with some recognized organizations, registered with PEC or government department or semi-government department to acquire practical training of 800 hours for award of degree.

### Academic Program

- B.Sc. Civil Engineering

### Mission

To produce civil engineers having the knowledge, skills and professional attitude that will enable them to develop innovative, safe, economical and sustainable solutions for the society.

### The Program Educational Objectives (PEO's)

Civil engineering program aims to produce graduates who will be able to:

**PEO-1:** Exhibit flexibility and competency in bringing demanding projects to completion by applying in-depth engineering principles, analytical skills, and modern practices.

**PEO-2:** Practice relevant codes for the betterment of civic/communal issues using eco-friendly standard protocols, considering hazard mitigation and human well-being.

**PEO-3:** Pursue a strategy of long-term knowledge acquisition by considering modern computational techniques and novel tools.

**PEO-4:** Lead and work collaboratively, through sound communication, efficient resource management, and effective public dealing, to achieve quality assurance in diverse field and office environments.

### List of Laboratories

- Environmental Engineering Laboratory
- Hydraulics Laboratory
- Concrete Laboratory
- Material Testing Laboratory
- Applied Mechanics Laboratory

- Soil Mechanics Laboratory
- Transportation Engineering Laboratory
- Surveying Laboratory
- Drawing Hall
- Computer Lab

### Field Visits / Industrial Visits

Field visits to Civil Engineering projects of national importance are arranged for students. Each year students and concerned faculty members visit facilities and projects with a high technical merit.

### Internship

Students are required to complete 08 weeks of supervised internship as part of the B.Sc. degree program, which gives them a chance to explore and get hands-on training in their respective fields of interest.

### Research

The department has a well-qualified and research oriented faculty, which actively participates in the department academic and research activities. Research activities in the department mainly focused on the need based projects, carried out in a variety of fields such as evaluation of sustainable pozzolanic material, uses of waste materials in construction, evaluation of low cost bricks and blocks, structural assessment of buildings and bridges, strengthening of structural systems, development of correlation for cohesive soil properties, application of GIS in field of environmental engineering, failure assessment and planning of transportation system, construction management, flood and precipitation forecast analysis using different techniques, Slope stability and foundation embankment design etc.

### Placement Opportunities

There is a broad range of employment placement opportunities for Civil Engineers in public and private sector. Our graduates are working effectively in various Civil Engineering related departments, consultants/contractor firms, NGOs etc., at both national and international level and most of them holding responsible positions. Some graduates are also making career in teaching and research by pursuing advanced studies in Pakistan and abroad.

### Survey Camp

Each year field course in surveying and leveling is arranged for students of third year civil engineering for a period of three weeks. The course includes practical work in Contouring, Triangulation, Fly Leveling and Plane Tabling.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 07

### Chairman

Engr. Waheed ur Rahman M.Sc. (Pak)

### Assistant Professors

Dr. Akhtar Gul Ph.D. (Pak)  
Engr. Abdus Salam M.Sc. (Pak)  
Engr. Waheed ur Rahman M.Sc. (Pak)

### Lecturers

Dr. Afed Ullah Khan Ph.D. (China)  
Dr. Mahmood Ahmad Ph.D. (China)  
Engr. Zia ur Rahman M.Sc. (Pak)  
Engr. Saif ur Rehman B.Sc. (Pak)  
Engr. Izaz Ahmad M.Sc. (Pak)  
Engr. Asim Abbas M.Sc. (Pak)

### Laboratory Engineers

Engr. Liaqat Ali Shah M.Sc. (Pak)  
Engr. Muhammad Junaid Iqbal M.Sc. (Pak)  
Engr. Saddam Ullah Khan B.Sc. (Pak)  
Engr. Muhammad Tahir Khan M.Sc. (Pak)  
Engr. Ezaz Ali Khan M.Sc. (Pak)

### Basic Sciences Faculty

Dr. Sakhi Zaman Ph.D. (Pak)  
Dr. Mir Qadyaz Ph.D. (Pak)  
Dr. Muhammad Taufiq Ph.D. (Pak)



## Department of Civil Engineering Jalozai Campus

### Introduction

The Department of Civil Engineering is renowned for its exceptional academic program, accredited by the Pakistan Engineering Council (PEC) through Outcome Based Education (OBE) level-II standards. A focal point of distinction is the department's state-of-the-art infrastructure, featuring advanced equipment like a 2000kN Universal Testing Machine (UTM), a comprehensive (full-scale) quasi-static testing frame with load cells, a 7.5-metre glass-sided tilting flume, an automatic triaxial testing system, and a Furnace are few to list here. At the heart of the department's success lies its commitment to fostering a cutting-edge learning environment with students being empowered to explore the realms of practical application alongside theoretical knowledge. The designed courses leading to a BSc in Civil Engineering have been thoughtfully crafted to encompass a wide array of subjects within the discipline. The curriculum places a distinct emphasis on key areas such as structural engineering, geo-technical engineering, transportation engineering, environmental engineering, irrigation systems, fluid mechanics/hydraulics and hydrology, and project planning and management. This holistic approach ensures that graduates emerge not only as adept engineers but also as innovative problem solvers equipped to tackle the diverse challenges of the modern world.

The prescribed syllabi and examination standards compare favorably with the standard of under-graduate work developed in the UK, USA and Canada. In addition to coursework, the final year students are required to work on a project under the guidance of senior faculty members.

### Mission

To produce civil engineers having the knowledge, skills and professional attitude that will enable them to develop innovative, safe, economical and sustainable solutions for the society.

### Program Educational Objectives (PEOs)

Civil engineering program aims to produce graduates who will be able to:

**PEO-1.** Exhibit flexibility and competency in bringing demanding projects to completion by applying in-depth engineering principles, analytical skills, and modern practices.

**PEO-2.** Practice relevant codes for the betterment of civic/communal issues using eco-friendly standard protocols, considering hazard mitigation and human well-being.

**PEO-3.** Pursue a strategy of long-term knowledge acquisition by considering modern computational techniques and novel tools to bring about a noticeable change.

**PEO-4.** Lead and work collaboratively, through sound communication, efficient resource management and effective public dealing, to achieve quality assurance in diverse field and office environments.

### List of Laboratories

- Concrete Technology
- Material Testing
- Structural Engineering
- Fluid Mechanics/Hydraulics
- Environmental Engineering
- Applied/Engineering Mechanics
- Soil Mechanics/Geo-Technical Engineering
- Transportation/Highway Engineering
- Surveying
- Computer Science
- Drawing Hall

### Field visits

Field visits to Civil Engineering projects of national importance are arranged for students. Each year students and concerned faculty members visit facilities and projects with a high technical merit. Through these visits, students can broaden their understanding of practical applications, while faculty members stay updated on the latest advancements in their fields.

### Internship

Students are required to complete 08 weeks of supervised internship as part of the B.Sc. degree program, which gives them a chance to explore and get hands-on training in their respective fields of interest.

### Research

The department has a well-qualified and research-oriented faculty, which actively participates in the department's academic and research activities. With a focus on applied research, they collaborate with industry partners, government agencies, and community stakeholders to develop solutions to complex civil engineering problems. Through their research endeavors, they try bridge the gap between academia and the practical demands of the field.

### Placement Opportunities

There is a broad range of employment placement opportunities for Civil Engineers in the public and private sector. Our graduates are working effectively in various Civil Engineering related departments, consultants / contractor firms, NGOs etc., at both national and international level and holding responsible positions. Some graduates are also making a career in teaching and research by pursuing advanced studies in Pakistan and abroad.

### Survey Camp

Each year field course in surveying and leveling is arranged for students of third year civil engineering for a period of three weeks. The course includes practical work in Road Survey, Contouring, Triangulation, Fly Leveling by using various traditional and modern equipment.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 07

### Chairman

Dr. Sajjad Wali Khan Ph.D. (UK)

### Associate Professors

Dr. Sajjad Wali Khan Ph.D. (UK)  
Dr. Asif Khan Ph.D. (UK)

### Assistant Professors

Engr. Abdul Hamid M.Sc. (Pak)  
Dr. Wajid Khan Ph.D. (USA)

### Lecturers

Dr. Saeed Zaman Ph.D. (Thailand)  
Dr. Muhammad Fahim Ph.D. (USA)  
Engr. Fasih Ahmad Khan M.Sc. (Pak)  
Engr. Shabir Hussain M.Sc. (Pak)  
Engr. Taimur Malik M.Sc. (Pak)  
Engr. Kamran Ahmad M.Sc. (Pak)  
Engr. Waqas Ahmad Khan M.Sc. (Pak)

### Laboratory Engineers

Engr. Faizan Ahmad B.Sc. (Pak)  
Engr. Mubashir Shehryar B.Sc. (Pak)





# Department of Agricultural Engineering Peshawar Campus

## Introduction

The Department of Agricultural Engineering was established in 1961 in the then College of Engineering, University of Peshawar. This Department is the pioneer in initiating Agricultural Engineering education in the country and thus has the pride of producing the first batch of Agricultural Engineers in 1965 in Pakistan. Since then, hundreds of graduates of this department are rendering their valuable services in government departments, national and international organizations throughout the world. Our graduates have been instrumental in the development of Pakistan's economy.

Agricultural Engineering is the branch of Engineering that utilizes the engineering principles, materials and forces of nature for the benefit of agriculture. Agricultural Engineers are trained to creatively apply engineering and scientific principles in the design and development of new products, systems, and processes for the conversion of raw materials and power sources into food, feed, and fiber while protecting the environment and workers health and safety. Agricultural Engineers offer their valuable services to design irrigation systems such as surface and high efficiency irrigation systems to utilize the precious waters to enhance agricultural productivity; design drainage systems to control the menaces of water-logging and salinity; design and develop strategies for flood management; develop soil and water conservation techniques for irrigated and rainfed areas; apply hydrology principles to predict and mitigate floods, landslides and drought risks; design farm structures for poultry, dairy, and storages for agricultural products; design dams and ponds for irrigation water supply; modify agricultural features by landscaping techniques; perform agricultural product processing, and environmental impact assessment; design new and improved farm machinery for agricultural mechanization; utilize different techniques of renewable energies to generate power for agricultural needs; apply geographic information system (GIS) and remote sensing (RS) techniques to agricultural research; interpret research output, and implement relevant schemes. In general, they combine physical sciences with biological sciences and solve engineering problems related to agriculture.

## Academic Programs

- B.Sc. Agricultural Engineering
- M.Sc. Agricultural Engineering
- Ph.D. Agricultural Engineering

## Mission

To produce Agricultural Engineers equipped with professional knowledge, skills, and ethical values for effective socio-economical solutions to complex engineering problems.

## Program Educational Objectives (PEO's)

The Program will prepare and produce graduate Agricultural Engineers who will be able to:

- PEO-1.** Demonstrate sound engineering knowledge and skills in their professional practice.
- PEO-2.** Practice engineering activities considering their impact on societal, economic, environmental, and ethical aspects.
- PEO-3.** Manage teamwork, exhibit interpersonal skills, and strive for continual professional development.

## List of Laboratories

The Department has the following well-equipped laboratories for the conduct of practical work of students and research by the faculty members.

- Soil and Water Engineering Laboratory
- Environmental Engineering Laboratory
- Irrigation and Drainage Engineering Laboratory
- I.C. Engine Demonstration Center
- Farm Machinery Workshop
- Computer Laboratory

## Field / Industrial Visits

The Department maintains close liaison with Government Departments and private industries related to Agricultural Engineering. Field visits are arranged as per requirement of a particular course. Industrial tours are also arranged in each semester to enable the students to acquire practical knowledge and skills.

## Industrial Training/Internship

Apart from the academic activities, students are required to complete 08 weeks of supervised industrial training/internships in a relevant government/semi government or private organization as a requirement for the award of B.Sc. Agricultural Engineering Degree. This practical training is arranged during the summer vacations in the relevant fields of Agricultural Engineering.

## Research

In addition to offering academic programs, the faculty is actively engaged in applied research at national and international levels and also providing consultancy services in the areas related to Agricultural Engineering.

## Survey Camp

Each year practical training in the field of surveying and leveling is arranged for the students of 7<sup>th</sup> Semester for a period of three weeks which is mandatory for the award of degree. The course includes hands-on work in contouring, triangulation, fly leveling and road surveying. The survey is done with theodolites, levels and total stations. Survey plots are prepared with both manual and computer-aided drawings.

## Chairman

Prof. Dr. Zia Ul Haq Ph.D. (UK)

## Professors

Prof. Dr. Zia Ul Haq Ph.D. (UK)  
Prof. Dr. Muhammad Shahzad Khan D.Engg. (Thailand)  
Prof. Dr. Abdul Malik Ph.D. (Pak)

## Associate Professor

Dr. Muhammad Ajmal Ph.D. (South Korea)

## Assistant Professors

Dr. Mahmood Alam Khan Ph.D. (Pak)  
Dr. Khurram Sheraz Ph.D. (Pak)

## Lecturers

Dr. Muhammad Hamed Khan Ph.D. (Newzealand)  
Engr. Sajjad Ahmad M.Sc. (Pak)  
Engr. Nazia Arfeen M.Sc. (Pak)  
Engr. Arshad Ali M.Sc. (Pak)



# Scheme of Studies

| Semester 1          |                                         | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                            | Lecture       | Lab. | Total        |
| BSI-101             | Islamic Studies                         | 2             | 0    | 2            |
| AE-104L             | Fundamentals of Computer & Applications | 2             | 3    | 3            |
| AE-105              | Basic Agriculture                       | 2             | 0    | 2            |
| AE-107              | Engineering Mechanics                   | 3             | 3    | 4            |
| AE-108              | Engineering Drawing                     | 2             | 3    | 3            |
| BSI-110             | Pakistan Studies                        | 2             | 0    | 2            |
| IE-124L             | Workshop Practice                       | 0             | 3    | 1            |
| Total Contact Hours |                                         | 13            | 12   |              |
| Total Credit Hours  |                                         | 13            | 4    | 17           |

| Semester 3          |                                         | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                            | Lecture       | Lab. | Total        |
| BSI-203             | Fehm-e-Quran-II                         | 1             | 0    | 1            |
| AE-201L             | Computer Programming                    | 1             | 3    | 2            |
| AE-203              | Soil and Water Conservation Engineering | 3             | 0    | 3            |
| AE-210              | Civics and Community Engagement         | 2             | 0    | 2            |
| AE-211              | Occupational Health & Safety            | 1             | 0    | 1            |
| BSI-122             | Calculus                                | 3             | 0    | 3            |
| CE-226              | Surveying-I                             | 2             | 3    | 3            |
| CE-331              | Geotechnical Engineering-I              | 2             | 3    | 3            |
| Total Contact Hours |                                         | 15            | 9    |              |
| Total Credit Hours  |                                         | 15            | 3    | 18           |

| Semester 5          |                                             | Contact hours |      | Credit hours |
|---------------------|---------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                | Lecture       | Lab. | Total        |
| AE-206              | Agricultural Process Engineering            | 2             | 3    | 3            |
| AE-302              | Engineering Hydrology                       | 2             | 0    | 2            |
| AE-303              | Alternate Energy Resources                  | 2             | 0    | 2            |
| AE-307              | Engg Economics & Project Management         | 2             | 0    | 2            |
| AE-308              | AI Applications in Agricultural Engineering | 2             | 0    | 2            |
| BSI-351             | Probability and Statistics                  | 3             | 0    | 3            |
| CE-324              | Environmental Engineering-I                 | 2             | 0    | 2            |
| Total Contact Hours |                                             | 15            | 3    |              |
| Total Credit Hours  |                                             | 15            | 1    | 16           |

| Semester 7          |                           | Contact hours |      | Credit hours |
|---------------------|---------------------------|---------------|------|--------------|
| Course Code         | Course Title              | Lecture       | Lab. | Total        |
| AE-401              | IC Engines and Tractors   | 3             | 3    | 4            |
| AE-402              | Open Channel Hydraulics   | 3             | 0    | 3            |
| AE-403              | Landscape Engineering     | 2             | 0    | 2            |
| AE-404              | Drainage Engineering      | 3             | 3    | 4            |
| AE-411              | Final Year Design Project | 0             | 9    | 3            |
| AE-412              | Entrepreneurship          | 2             | 0    | 2            |
| Total Contact Hours |                           | 13            | 15   |              |
| Total Credit Hours  |                           | 13            | 5    | 18           |

Total Credit Hours= 140 (Theory CH = 111 Lab CH = 29)

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| AE-101              | Soil Science                          | 2             | 3    | 3            |
| AE-102              | Engineering Materials                 | 2             | 3    | 3            |
| AE-106              | Mechanics of Materials                | 2             | 3    | 3            |
| BSI-102             | Fehm-e-Quran-I                        | 1             | 0    | 1            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| BSI-142             | English Composition and Comprehension | 3             | 0    | 3            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 4          |                                     | Contact hours |      | Credit hours |
|---------------------|-------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                        | Lecture       | Lab. | Total        |
| BSI-120             | Professional Ethics                 | 2             | 0    | 2            |
| AE-202              | Machine Design                      | 3             | 0    | 3            |
| AE-204              | Fluid Mechanics                     | 3             | 3    | 4            |
| AE-208              | Quantity Survey and Cost Estimation | 2             | 0    | 2            |
| AE-209L             | Computer Aided Design               | 0             | 3    | 1            |
| BSI-242             | Numerical Analysis                  | 3             | 0    | 3            |
| CE-229              | Surveying-II                        | 2             | 3    | 3            |
| Total Contact Hours |                                     | 15            | 9    |              |
| Total Credit Hours  |                                     | 15            | 3    | 18           |

| Semester 6          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| AE-301              | Ground Water Hydrology                    | 3             | 3    | 4            |
| AE-304L             | Geographic Information System (GIS)       | 0             | 3    | 1            |
| AE-305              | Farm Irrigation Systems                   | 3             | 0    | 3            |
| AE-306              | Farm Machinery & Earth Moving Equipment   | 3             | 3    | 4            |
| AE-308              | Technical Writing and Presentation Skills | 3             | 0    | 3            |
| CE-333              | Environmental Engineering-II              | 2             | 3    | 3            |
| Total Contact Hours |                                           | 14            | 12   |              |
| Total Credit Hours  |                                           | 14            | 4    | 18           |

| Semester 8          |                                  | Contact hours |      | Credit hours |
|---------------------|----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                     | Lecture       | Lab. | Total        |
| AE-406              | Design of Agricultural Machinery | 3             | 0    | 3            |
| AE-407              | Farm Structures                  | 2             | 0    | 2            |
| AE-408              | On-Farm Water Management         | 3             | 3    | 4            |
| AE-409              | Environment and Sustainability   | 2             | 0    | 2            |
| AE-411              | Final Year Design Project        | 0             | 9    | 3            |
| CE-402              | Irrigation Engineering           | 3             | 0    | 3            |
| Total Contact Hours |                                  | 13            | 12   |              |
| Total Credit Hours  |                                  | 13            | 4    | 17           |

## Department of Mining Engineering Peshawar Campus

### Introduction

Mining Engineering involves estimation of mineral resource followed by techno-economic evaluations for safe and stable design, extraction and processing of valuable ore before provision of raw material of required quality to other industries. Each of these fields invite the use of state-of-the-art technologies to enable the mineral sector play its crucial role in the economic uplift of a Nation.

### Academic Programs

- B.Sc. in Mining Engineering
- M.Sc. in Mining Engineering
- Ph.D. in Mining Engineering

### Mission

"To produce highly qualified, well rounded mining professionals leading the mining industry for development of society through knowledge based economy and extending innovation and research competitiveness at national and international level."

### Program Educational Objectives (PEO's)

Mining Engineering Department aims to produce graduates who are able to:

**PEO-1:** Demonstrate skills to solve problems of Mining and Mineral based industries.

**PEO-2:** Perform in Management and Leadership roles for Growth in Mining and Mineral industry.

**PEO-3:** Apply Engineering Knowledge and Skills for Development of Society.

**PEO-4:** Pursue Higher Studies, Demonstrating active involvement in life-long learning.

### List of Laboratories

The Department is equipped with following laboratories:

- Mineral Processing Laboratory
- Surveying Laboratory
- Rock Mechanics Laboratory
- Ventilation and Safety Laboratory
- Geology Laboratory
- Computer Laboratory

### Field Visits / Industrial Visits

Field visits to various Mining Engineering projects of national importance are arranged for students. Each year students and concerned faculty members visit different mining industries to expose students to current mining practices and draw students' attention towards contributing to improve various aspects of mining industries in Pakistan.

### Internship

Special attention is paid to facilitate student's placement as internees during summer breaks after the 4th and 6th semesters. The department is in close liaison with the Directorate General of Mines and Minerals for arrangement of these internships in various cement industries, private mining companies including mega mining projects i.e. Saindak Copper Mining Project at Baluchistan and Thar Coal Mining Project at Sindh.

### Research

Research activities are actively pursued in the Department by the Faculty members through various National and International Grants addressing a number of research problems of national and international importance. Solution to mining industry's problems is the primary focus of current research which includes the development of improved mineral resource estimation methods, mine planning and design and mineral processing techniques. Improvement of working conditions and occupational health and safety in mines is another important area of research. Students at undergraduate and postgraduate levels actively participate in these research projects under faculty supervision.

### Survey Camp

Survey Camp for the students of Mining Engineering Department is arranged each year for a period of three weeks after 7th semester. The course includes hands-on work in contouring, triangulation; fly leveling, road design using total station.

### Chairman

Prof. Dr. Ishaq Ahmad Ph.D.(Germany)

### Professors

Prof. Dr. Ishaq Ahmad Ph.D.(Germany)  
Prof. Dr. Nisar Mohammad Ph.D. (Pak)

### Assistant Professors

Dr. Salim Raza Ph.D. (Canada)  
Dr. Khan Muhammad Ph.D. (UK)

### Lecturers

Dr. Saira Sherin Ph.D. (Pak)  
Engr. Talat Bilal M.Sc. (Pak)  
Dr. Zahid-ur-Rehman Ph.D. (Pak)  
Dr. Sajjad Hussain Ph.D. (Pak)





# Scheme of Studies

| Semester 1          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| MinE -101           | Mining Engineering Fundamentals | 3             | 0    | 3            |
| BSI-116             | Applied Chemistry               | 2             | 3    | 3            |
| BSI-110             | Pakistan Studies                | 2             | 0    | 2            |
| BSI-133             | Functional English              | 3             | 0    | 3            |
| MinE-107            | Application of ICT              | 2             | 3    | 3            |
| EE-209              | Applied Electricity             | 2             | 3    | 3            |
| Total Contact Hours |                                 | 14            | 9    |              |
| Total Credit Hours  |                                 | 14            | 3    | 17           |

| Semester 3          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| MinE-201            | Explosive and Blasting Engineering        | 3             | 0    | 3            |
| MinE-**             | ** Technical Electives -I & II            | 3             | 0    | 3            |
| MinE-216            | Introduction to Computing and Programming | 2             | 3    | 3            |
| BSI-123             | Calculus & Analytical Geometry            | 3             | 0    | 3            |
| CE-206              | Fluid Mechanics                           | 3             | 3    | 4            |
| BSI-102             | Fehm-e-Quran-I                            | 1             | 0    | 1            |
| Total Contact Hours |                                           | 15            | 6    |              |
| Total Credit Hours  |                                           | 15            | 2    | 17           |

| Semester 5          |                                | Contact hours |      | Credit hours |
|---------------------|--------------------------------|---------------|------|--------------|
| Course Code         | Course Title                   | Lecture       | Lab. | Total        |
| MinE-**             | ** Technical Electives -I & II | 3             | 0    | 3            |
| MinE-301            | Surface Mine Design            | 3             | 0    | 3            |
| MinE-302            | Underground Mine Design        | 3             | 0    | 3            |
| MinE-300L           | Mine Design Lab                | 0             | 3    | 1            |
| MinE-325            | Mine Surveying                 | 3             | 3    | 4            |
| BSI-242             | Numerical Analysis             | 3             | 0    | 3            |
| Total Contact Hours |                                | 15            | 6    |              |
| Total Credit Hours  |                                | 15            | 2    | 17           |

| Semester 7          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI*                | * Arts and Humanities Electives | 2             | 0    | 2            |
| MinE-410            | Mineral Processing-II           | 3             | 3    | 4            |
| MinE-409            | Mine Ventilation                | 3             | 0    | 3            |
| MinE-407L           | FYDP (Part-I)                   | 0             | 9    | 3            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| MinE-408            | Mine Hazards & Safety           | 2             | 0    | 2            |
| Total Contact Hours |                                 | 12            | 12   |              |
| Total Credit Hours  |                                 | 12            | 4    | 16           |

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| MinE -106           | Physical Geology                      | 3             | 3    | 4            |
| BSI-162             | Engineering Mechanics                 | 3             | 3    | 4            |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| ME-104              | Engineering Drawing & Graphics        | 1             | 6    | 3            |
| BSI-101             | Islamic Studies                       | 2             | 0    | 2            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 14            | 12   |              |
| Total Credit Hours  |                                       | 14            | 4    | 18           |

| Semester 4          |                          | Contact hours |      | Credit hours |
|---------------------|--------------------------|---------------|------|--------------|
| Course Code         | Course Title             | Lecture       | Lab. | Total        |
| BSI-134             | Expository Writing       | 3             | 0    | 3            |
| MinE-304            | Rock Mechanics           | 3             | 3    | 4            |
| BSI-231             | Differential Equations   | 3             | 0    | 3            |
| BSI-351             | Probability & Statistics | 3             | 0    | 3            |
| ME-209              | Applied Thermodynamics   | 3             | 3    | 4            |
| BSI-203             | Fehm-e-Quran-II          | 1             | 0    | 1            |
| Total Contact Hours |                          | 16            | 6    |              |
| Total Credit Hours  |                          | 16            | 2    | 18           |

| Semester 6          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| MinE-326            | Engineering Economics           | 2             | 0    | 2            |
| MinE-327            | Project Management              | 2             | 0    | 2            |
| MinE-404            | Mineral Processing-I            | 3             | 3    | 4            |
| MinE-313            | Applied AI and Machine Learning | 2             | 3    | 3            |
| MinE-426            | Environmental Aspects of Mining | 3             | 0    | 3            |
| MinE-311            | Ore Reserves Estimation         | 3             | 3    | 4            |
| Total Contact Hours |                                 | 15            | 9    |              |
| Total Credit Hours  |                                 | 15            | 3    | 18           |

| Semester 8          |                                          | Contact hours |      | Credit hours |
|---------------------|------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                             | Lecture       | Lab. | Total        |
| MinE-407L           | FYDP (Part-II)                           | 0             | 9    | 3            |
| MinE-***            | *** Technical Electives -III             | 3             | 0    | 3            |
| MinE-413            | Mining laws and policies                 | 3             | 0    | 3            |
| MinE-414L           | Mine Ventilation and Safety Lab          | 0             | 3    | 1            |
| MinE-427            | Entrepreneurship                         | 2             | 0    | 2            |
| MinE-428            | Occupational Health and Safety           | 1             | 0    | 1            |
| MinE-403            | Mine Power, drainage & material handling | 3             | 0    | 3            |
| Total Contact Hours |                                          | 12            | 12   |              |
| Total Credit Hours  |                                          | 12            | 4    | 16           |

Note: The students have to complete First Aid Course and Survey Camp as a requirement for award of B.Sc Mining Engineering Degree.

Total Credit Hours = 137

## \* List of Arts and Humanities Electives (code)

| S.N. | Course Code | Course Title                          |
|------|-------------|---------------------------------------|
| 1    | BSI-143     | Communication and Presentation Skills |
| 2    | BSI-135     | Foreign Language                      |
| 3    | BSI-120     | Professional Ethics                   |

## \*\* List of Technical Electives -I & II

| S.N. | Course Code | Course Title                   |
|------|-------------|--------------------------------|
| 1    | MinE-215    | Industrial Minerals            |
| 2    | MinE-423    | Gemstone Mining and Gemmology  |
| 3    | MinE-312    | Coal Technology                |
| 4    | MinE-331    | Minerals marketing/Utilization |
| 5    | MinE-204    | Structural Geology             |
| 6    | IE-356      | Operations research            |

|    |          |                                                                  |
|----|----------|------------------------------------------------------------------|
| 7  | MinE-421 | Mine system analysis                                             |
| 8  | MinE-323 | Cement Technology                                                |
| 9  | MinE-322 | Extractive metallurgy                                            |
| 10 | MinE-321 | Drilling Technology                                              |
| 11 | MinE-332 | Geo and Minerals Surface Chemistry                               |
| 12 | MinE-211 | Mineralogy and Petrology                                         |
| 13 | MinE-333 | Mine Management                                                  |
| 14 | MinE-334 | Engineering Geology and Soil Mechanics                           |
| 15 | MinE-335 | Mine Automation and Digitization                                 |
| 16 | MinE-336 | Mineral Exploration and Geostatistics                            |
| 17 | MinE-337 | Introduction to GIS and Remote Sensing                           |
| 18 | MinE-33* | Any other relevant course decided by the HEI as per requirement. |

## \*\*\* List of Technical Electives -III

| S.N. | Course Code | Course Title                                                     |
|------|-------------|------------------------------------------------------------------|
| 1    | MinE-430    | Tunnel Engineering                                               |
| 2    | MinE-431    | Rock Engineering                                                 |
| 3    | MinE-432    | Sustainable Mining                                               |
| 4    | MinE-424    | Dimension Stone Mining                                           |
| 5    | MinE-433    | Coal Mining                                                      |
| 6    | MinE-401    | Strata Control / Ground Control Engineering                      |
| 7    | MinE-434    | Mining and Processing of Rare Earth Elements                     |
| 8    | MinE-435    | Placer Mining and Processing                                     |
| 9    | MinE-43*    | Any other relevant course decided by the HEI as per requirement. |

# FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING



## MESSAGE FROM DEAN

It is my honor to welcome you to the Faculty of Electrical and Computer Engineering (FECE). At FECE, we offer cutting edge education and research in the fields of Electrical/Electronic Engineering, Computer Engineering, and Computer Science/IT. All our academic programs are designed to equip the youth with the requisite knowledge and latest technologies to fulfill the industry's demands, and are accredited from Pakistan Engineering Council (PEC), Higher Education Commission (HEC), and National Computer Education Accreditation Council (NCEAC). The Faculty is spread over four campuses including the Main Campus at Peshawar, the satellite campus at Jalozaï and the remote campuses at Abbottabad and Bannu.

We focus on achieving excellence in education and research with a continuous learning process, extensive practical training and tackling problems of real-world complexity to create a long-term impact in the areas of computing, communication, and information processing technologies. We are hosting four state-of-the-art national laboratories under the National Centers of Artificial Intelligence, Cyber Security, and Big Data/Cloud Computing where practical solutions/products are developed for the problems of national importance via applied research.

Our goal is to develop the faculty into an icon of excellence in the country and worldwide. The faculty members at FECE are highly qualified with remarkable accomplishments in research projects/publications and are committed to provide quality education and skills to students. We have produced the best alumni of the University who are serving at various reputed national and international organizations and serving the country with their acquired knowledge and engineering skills.

I whole heartedly invite you to join FECE and assure you a pleasant stay and an excellent career ahead!

**Prof. Dr. Syed Waqar Shah**  
Dean, Faculty of Electrical and  
Computer Engineering

## Mission Statement

To produce dynamic electrical and computer engineers/scientists of the highest standards capable of designing solutions for scientific problems and meeting demands of 21<sup>st</sup> century market place having excellent domain knowledge, skills, and professional ethical values in order to contribute to the socio-economic development of the country.

# Department of Electrical Engineering

## Peshawar Campus

### Introduction

The Department of Electrical Engineering was established in 1952 as part of the Faculty of Engineering. Ever since its inception the Department has provided cutting edge education to the people of this province. The Department of Electrical Engineering, at the University of Engineering and Technology, Peshawar is a hub of innovation and excellence in the field of electrical engineering. With a rich legacy of producing talented engineers, scientists, and experts, our department has established itself as a beacon of academic excellence, both nationally and internationally.

Our department offers a comprehensive Engineering Program in Electrical Engineering, with the following majors:

- Computing & Artificial Intelligence
- Electrical Power Engineering
- Communication Engineering

based on the electives already approved by the august bodies in line with PEC/HEC Curriculum guide lines.

Our programs are designed to equip students with the latest knowledge, skills, and tools to succeed in an ever-evolving technological landscape. Our faculty comprises experienced professionals and renowned researchers, dedicated to providing students with a world-class education.

At the Department of Electrical Engineering, we foster a culture of innovation, creativity, and critical thinking. Our state-of-the-art facilities, cutting-edge research labs, and industry partnerships provide students with hands-on experience and exposure to real-world challenges.

Join us on a journey to shape the future of electrical engineering and unlock your full

potential. Explore our programs, research areas, and faculty expertise to discover why the Department of Electrical Engineering at UET Peshawar is the perfect destination for your academic and professional growth.

At postgraduate level, the Department offers M.Sc. and Ph.D. Programs both in Communication, Electrical Power Engineering and Artificial Intelligence. The areas of active research include Biomedical Engineering, Electronic Devices and Materials, Intelligent Systems, Microelectronics and Computer Systems, Nano-engineering, Photonics Systems, Power Systems Engineering, Artificial Intelligence, Systems and Control, Telecommunications and Signal processing. This gives graduates an unparalleled advantage in both technical skills and intellectual ability to become leaders in overcoming the challenges of modern technological advancements.

### Mission

To produce competent electrical engineers who can efficiently fulfill professional responsibilities in industrial, academic and research organizations.

### Program Educational Objectives (PEO's)

**PEO-1.** The graduate will serve competently in national and international industry or academia by showing requisite knowledge and skills in the field of Electrical Engineering.

**PEO-2.** The graduates will exhibit quest for learning and professional growth through interpersonal and management skills.

**PEO-3.** The graduate will demonstrate commitment to ethical practices, community service and societal contribution.

### Chairman

Prof. Dr. Amjad Ullah Ph.D. (Pak)

### Professors

Prof. Dr. Syed Waqar Shah Ph.D. (UK)  
 Prof. Dr. M. Inayatullah Khan Babar Ph.D. (USA)  
 Prof. Dr. Haseeb Zafar Ph.D. (UK)  
 Prof. Dr. Amjad Ullah Ph.D. (Pak)  
 Prof. Dr. Gulzar Ahmad Ph.D. (Pak)  
 Prof. Dr. Gul Muhammad Khan Ph.D. (UK)

### Associate Professors

Dr. Tariqullah Jan Ph.D. (UK)  
 Dr. M. Irfan Khattak Ph.D. (UK)  
 Dr. S.M Majid Ashraf Ph.D. (Pak)  
 Dr. Shahid Bashir Ph.D. (UK)  
 Dr. Sadiq Ali Ph.D. (Spain)

### Assistant Professors

Dr. M. Iftikhar Khan Ph.D. (Pak)

### Lecturers

Dr. Muhammad Amir Ph.D. (Pak)  
 Dr. Faheem Ali Ph.D. (Pak)  
 Dr. Ruhul Amin Khalil Ph.D. (Pak)  
 Dr. Seema Mir Akbar Ph.D. (Pak)  
 Dr. Bilal Ur Rehman Ph.D. (Pak)  
 Dr. Atif Jan Ph.D. (Pak)  
 Dr. Salman Ilahi Ph.D. (Pak)  
 Engr. Asiya Jahangir M.Sc. (Pak)  
 Engr. Hina Zahir M.Sc. (Pak)  
 Engr. M. Usman Ali M.Sc. (Pak)  
 Engr. S.M. Faheem M.Sc. (Sweden)  
 Engr. Muhammad Farooq M.Sc. (Pak)  
 Engr. M. Kashif Khan M.Sc. (Pak)  
 Engr. M. Nasar Jamal M.Sc. (Pak)  
 Engr. Wasim Habib M.Sc. (Pak)  
 Engr. Kifayat Ullah M.Sc. (Pak)





**List of Laboratories**

The Department has well-equipped laboratories in the following areas:

- High Voltage Laboratory
- Electronics Laboratory
- Power Systems Laboratory
- Machines Laboratory
- Control Systems Laboratory
- Measurement and Instrumentation Laboratory
- Microprocessor & Digital Electronics Laboratory
- Communications & EMW Laboratory
- Faculty Computer Laboratory
- Computer Laboratory

**Field Visits / Industrial Visits**

Visits to various industries and research organizations are a part of education and training of graduate engineers. These visits are arranged for students to provide them with a window of opportunity through which they get a chance to peek at actual engineering at work.

**Internship**

The undergraduate students do the internship for 08 weeks of supervised internship in various relevant public sector as well as private sector organizations. There is a departmental Industrial Liaison Committee to facilitate the students in this regard.

**Research**

The faculty and the students are actively involved in the research in various areas including Network Technologies, Smart Grids, Artificial Intelligence, Antenna Design, Remote Sensing, etc.

**Placement Opportunities**

The placement opportunities for Electrical Engineering graduates are available in WAPDA, PTCL, Telecommunication Sectors, SNGPL, PTV, Radio Pakistan, Pakistan Atomic Energy Commission, Pakistan Railways, Pak Forces, Private Industries, etc.



# Scheme of Studies

| Semester 1          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-110             | Pakistan Studies                      | 2             | 0    | 2            |
| BSI-151             | Electricity and Magnetism             | 3             | 3    | 4            |
| ME-100              | Engineering Drawing                   | 0             | 3    | 1            |
| EE-121              | Computer Fundamentals                 | 2             | 3    | 3            |
| BSI-101             | Islamic Studies                       | 2             | 0    | 2            |
| BSI-120             | Professional Ethics                   | 2             | 0    | 2            |
| BSI-142             | English Composition and Comprehension | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                        | 1             | 0    | 1            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 3          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-231             | Differential Equations          | 3             | 0    | 3            |
| EE-225              | Digital Logic Design            | 3             | 3    | 4            |
| EE-200              | Circuit Analysis-I              | 3             | 3    | 4            |
| EE-287              | Engineering Economics           | 2             | 0    | 2            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| Total Contact Hours |                                 | 13            | 6    |              |
| Total Credit Hours  |                                 | 13            | 2    | 15           |

| Semester 5          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| EE-336              | Electrical Measurements & Instrumentation | 3             | 3    | 4            |
| EE-363              | Electromagnetic Field Theory              | 3             | 0    | 3            |
| EE-497              | Electronic Circuit II                     | 3             | 3    | 4            |
| EE-271              | Oop & Data Structures                     | 2             | 3    | 3            |
| BSI-362             | Complex Variables and Transforms          | 3             | 0    | 3            |
| Total Contact Hours |                                           | 14            | 9    |              |
| Total Credit Hours  |                                           | 14            | 3    | 17           |

| Semester 7          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| EE-496              | Computer Communication Networks | 3             | 3    | 4            |
| EE-4XX              | Elective-I                      | 3             | 3    | 4            |
| EE-440              | Electrical Machines             | 3             | 3    | 4            |
| EE-4XX              | Elective-II                     | 3             | 3    | 4            |
| EE-443              | Entrepreneurship                | 2             | 0    | 2            |
| Total Contact Hours |                                 | 14            | 12   |              |
| Total Credit Hours  |                                 | 14            | 4    | 18           |

Total Credit Hours = 136

Note: Code for the Laboratory part of a corresponding course will be followed by Letter L.

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                       | 1             | 0    | 1            |
| EE-170              | Computer Programming                  | 3             | 3    | 4            |
| BSI-162             | Engineering Mechanics                 | 3             | 0    | 3            |
| EE-157              | Workshop Technology                   | 0             | 3    | 1            |
| BSI-122             | Calculus                              | 3             | 0    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 4          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| EE-202              | Probability & Random Variables     | 3             | 0    | 3            |
| EE-326              | Microprocessor Based System Design | 3             | 3    | 4            |
| EE-201              | Circuit Analysis –II               | 3             | 3    | 4            |
| BSI-242             | Numerical Analysis                 | 3             | 0    | 3            |
| EE-345              | Electronic Devices & Circuits      | 3             | 3    | 4            |
| Total Contact Hours |                                    | 15            | 9    |              |
| Total Credit Hours  |                                    | 15            | 3    | 18           |

| Semester 6          |                          | Contact hours |      | Credit hours |
|---------------------|--------------------------|---------------|------|--------------|
| Course Code         | Course Title             | Lecture       | Lab. | Total        |
| EE-312              | Signal & Systems         | 3             | 3    | 4            |
| EE-286              | Technical Report Writing | 3             | 0    | 3            |
| CSE-303             | Data Communication       | 3             | 3    | 4            |
| EE-391              | Communication System     | 3             | 3    | 4            |
| Total Contact Hours |                          | 12            | 9    |              |
| Total Credit Hours  |                          | 12            | 3    | 15           |

| Semester 8          |                        | Contact hours |      | Credit hours |
|---------------------|------------------------|---------------|------|--------------|
| Course Code         | Course Title           | Lecture       | Lab. | Total        |
| EE-481              | Control Systems        | 3             | 3    | 4            |
| EE-388              | Engineering Management | 2             | 0    | 2            |
| EE-4XX              | Elective-III           | 3             | 0    | 3            |
| EE-4XX              | Elective-IV            | 3             | 0    | 3            |
| EE-478              | Project                | 0             | 18   | 6            |
| Total Contact Hours |                        | 11            | 21   |              |
| Total Credit Hours  |                        | 11            | 7    | 18           |

# Scheme of Studies

| Semester 1          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-110             | Pakistan Studies                      | 2             | 0    | 2            |
| BSI-151             | Electricity and Magnetism             | 3             | 3    | 4            |
| ME-100              | Engineering Drawing                   | 0             | 3    | 1            |
| EE-121              | Computer Fundamentals                 | 2             | 3    | 3            |
| BSI-101             | Islamic Studies                       | 2             | 0    | 2            |
| BSI-120             | Professional Ethics                   | 2             | 0    | 2            |
| BSI-142             | English Composition and Comprehension | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                        | 1             | 0    | 1            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 3          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-231             | Differential Equations          | 3             | 0    | 3            |
| EE-225              | Digital Logic Design            | 3             | 3    | 4            |
| EE-200              | Circuit Analysis-I              | 3             | 3    | 4            |
| EE-287              | Engineering Economics           | 2             | 0    | 2            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| Total Contact Hours |                                 | 13            | 6    |              |
| Total Credit Hours  |                                 | 13            | 2    | 15           |

| Semester 5          |                                            | Contact hours |      | Credit hours |
|---------------------|--------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                               | Lecture       | Lab. | Total        |
| EE-336              | Electrical Measurements & instrumentations | 3             | 3    | 4            |
| EE-363              | Electromagnetic Field Theory               | 3             | 0    | 3            |
| EE-497              | Electronic Circuits-II                     | 3             | 3    | 4            |
| ME-211              | Applied Thermodynamics                     | 3             | 0    | 3            |
| BSI-362             | Complex Variables & Transforms             | 3             | 0    | 3            |
| Total Contact Hours |                                            | 15            | 6    |              |
| Total Credit Hours  |                                            | 15            | 2    | 17           |

| Semester 7          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Lecture       | Lab. | Total        |
| EE-4XX              | Elective-III                      | 3             | 3    | 4            |
| EE-4XX              | Elective-IV                       | 3             | 3    | 4            |
| EE-440              | Electrical Machines               | 3             | 3    | 4            |
| CE-230              | Hydraulics & Hydraulics Machinery | 3             | 0    | 3            |
| EE-443              | Entrepreneurship                  | 2             | 0    | 2            |
| Total Contact Hours |                                   | 14            | 9    |              |
| Total Credit Hours  |                                   | 14            | 3    | 17           |

Total Credit Hours = 138

Note: Code for the Laboratory part of a corresponding course will be followed by Letter L.

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                       | 1             | 0    | 1            |
| EE-170              | Computer Programming                  | 3             | 3    | 4            |
| BSI-162             | Engineering Mechanics                 | 3             | 0    | 3            |
| EE-157              | Workshop Technology                   | 0             | 3    | 1            |
| BSI-122             | Calculus                              | 3             | 0    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 4          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| EE-202              | Probability & Random Variables     | 3             | 0    | 3            |
| EE-326              | Microprocessor Based System Design | 3             | 3    | 4            |
| EE-201              | Circuit Analysis –II               | 3             | 3    | 4            |
| BSI-242             | Numerical Analysis                 | 3             | 0    | 3            |
| EE-345              | Electronic Devices & Circuits      | 3             | 3    | 4            |
| Total Contact Hours |                                    | 15            | 9    |              |
| Total Credit Hours  |                                    | 15            | 3    | 18           |

| Semester 6          |                          | Contact hours |      | Credit hours |
|---------------------|--------------------------|---------------|------|--------------|
| Course Code         | Course Title             | Lecture       | Lab. | Total        |
| EE-312              | Signals & Systems        | 3             | 3    | 4            |
| EE-286              | Technical Report Writing | 3             | 0    | 3            |
| EE-391              | Communication System     | 3             | 3    | 4            |
| EE-3XX              | Elective-I               | 3             | 0    | 3            |
| EE-4XX              | Elective-II              | 3             | 3    | 4            |
| Total Contact Hours |                          | 15            | 9    |              |
| Total Credit Hours  |                          | 15            | 3    | 18           |

| Semester 8          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Lecture       | Lab. | Total        |
| EE-481              | Control Systems                   | 3             | 3    | 4            |
| EE-401              | Power Transmission & Distribution | 3             | 0    | 3            |
| EE-3XX              | Elective-V                        | 3             | 0    | 4            |
| EE-388              | Engineering Management            | 2             | 0    | 3            |
| EE-478              | Project                           | 0             | 18   | 3            |
| Total Contact Hours |                                   | 11            | 21   |              |
| Total Credit Hours  |                                   | 11            | 7    | 18           |



# Scheme of Studies

| Semester 1          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-110             | Pakistan Studies                      | 2             | 0    | 2            |
| BSI-151             | Electricity and Magnetism             | 3             | 3    | 4            |
| ME-100              | Engineering Drawing                   | 0             | 3    | 1            |
| EE-121              | Computer Fundamentals                 | 2             | 3    | 3            |
| BSI-101             | Islamic Studies                       | 2             | 0    | 2            |
| BSI-120             | Professional Ethics                   | 2             | 0    | 2            |
| BSI-142             | English Composition and Comprehension | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                        | 1             | 0    | 1            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 3          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-231             | Differential Equations          | 3             | 0    | 3            |
| EE-225              | Digital Logic Design            | 3             | 3    | 4            |
| EE-200              | Circuit Analysis-I              | 3             | 3    | 4            |
| EE-287              | Engineering Economics           | 2             | 0    | 2            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| EE-251              | Introduction to AI Programming  | 2             | 3    | 3            |
| Total Contact Hours |                                 | 15            | 9    |              |
| Total Credit Hours  |                                 | 15            | 3    | 18           |

| Semester 5          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| EE-336              | Electrical Measurements & Instrumentation | 3             | 3    | 4            |
| EE-363              | Electromagnetic Field Theory              | 3             | 0    | 3            |
| EE-351              | Operating Systems                         | 3             | 3    | 4            |
| EE-3XX              | Elective-I                                | 3             | 3    | 4            |
| BSI-362             | Complex Variables and Transforms          | 3             | 0    | 3            |
| Total Contact Hours |                                           | 15            | 9    |              |
| Total Credit Hours  |                                           | 15            | 3    | 18           |

| Semester 7          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| EE-496              | Computer Communication Networks | 3             | 3    | 4            |
| EE-443              | Entrepreneurship                | 2             | 0    | 2            |
| EE-440              | Electrical Machines             | 3             | 3    | 4            |
| EE-4XX              | Elective-II                     | 3             | 3    | 4            |
| EE-4XX              | Elective-III                    | 3             | 0    | 3            |
| Total Contact Hours |                                 | 14            | 9    |              |
| Total Credit Hours  |                                 | 14            | 3    | 17           |

Total Credit Hours = 136

Note: Code for the Laboratory part of a corresponding course will be followed by Letter L.

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                       | 1             | 0    | 1            |
| EE-170              | Computer Programming                  | 3             | 3    | 4            |
| BSI-162             | Engineering Mechanics                 | 3             | 0    | 3            |
| EE-157              | Workshop Technology                   | 0             | 3    | 1            |
| BSI-122             | Calculus                              | 3             | 0    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 4          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| EE-202              | Probability & Random Variables     | 3             | 0    | 3            |
| EE-326              | Microprocessor Based System Design | 3             | 3    | 4            |
| EE-201              | Circuit Analysis –II               | 3             | 3    | 4            |
| BSI-242             | Numerical Analysis                 | 3             | 0    | 3            |
| EE-345              | Electronic Devices & Circuits      | 3             | 3    | 4            |
| Total Contact Hours |                                    | 15            | 9    |              |
| Total Credit Hours  |                                    | 15            | 3    | 18           |

| Semester 6          |                          | Contact hours |      | Credit hours |
|---------------------|--------------------------|---------------|------|--------------|
| Course Code         | Course Title             | Lecture       | Lab. | Total        |
| EE-312              | Signal & Systems         | 3             | 3    | 4            |
| EE-286              | Technical Report Writing | 3             | 0    | 3            |
| CSE-408             | Digital Image Processing | 3             | 3    | 4            |
| EE-391              | Communication System     | 3             | 3    | 4            |
| Total Contact Hours |                          | 12            | 9    |              |
| Total Credit Hours  |                          | 12            | 3    | 15           |

| Semester 8          |                        | Contact hours |      | Credit hours |
|---------------------|------------------------|---------------|------|--------------|
| Course Code         | Course Title           | Lecture       | Lab. | Total        |
| EE-481              | Control Systems        | 3             | 3    | 4            |
| EE-388              | Engineering Management | 2             | 0    | 2            |
| EE-4XX              | Elective-IV            | 3             | 0    | 3            |
| EE-478              | Project                | 0             | 18   | 6            |
| Total Contact Hours |                        | 8             | 21   |              |
| Total Credit Hours  |                        | 8             | 7    | 15           |

# Department of Electrical Engineering Bannu Campus

## Introduction

The Department of Electrical Engineering at UET Bannu Campus became operational in May 2002. The department was established to increase access to professional education in the field of Electrical Engineering for the people of southern K.P.K. The mission of the department is to augment the modern education expected of all UET undergraduates by imparting a basic understanding of electrical engineering built on a foundation of physical sciences, mathematics, computing, and technology. It aims to provide majors in the department with knowledge of electrical engineering principles, along with the required supporting knowledge in mathematics, physics, computing, and engineering fundamentals. Students receive an educational foundation that prepares them for leadership roles across diverse career paths in Electronics, Communications, Energy & Power Systems, and Industrial Control. Presently, more than 50 undergraduate students are enrolled annually. The department has produced more than 600 graduates so far.

The increasing utilization of electrical appliances is a crucial prerequisite for rapid industrial development. Keeping this in view, the Electrical Engineering Department at Bannu Campus focuses on establishing the foundation needed to support the study and practice of Electrical Engineering, with an emphasis on the graduate level. The outcome objectives for undergraduate Electrical Engineering include:

- Formulating problems in Electrical Engineering from real-life situations
- The ability to use techniques, skills, and modern engineering tools necessary for engineering practice
- Conceptualizing the output of Electrical Engineering problems
- Performing rudimentary analyses in Electrical Engineering
- Applying their electrical engineering skills to a variety of challenges in industry, academia, or other fields
- Attaining careers in which they become leaders in their chosen fields, working in multidisciplinary teams, making socially responsible decisions, and communicating effectively
- Continuously learning new concepts, identifying new directions, and adapting in response to the needs of a rapidly changing world

## Academic Program

- B.Sc. Electrical Engineering (Communication)

## Mission

To produce competent electrical engineers who can efficiently fulfill professional responsibilities in industrial, academic and research organizations.

## Program Educational Objectives (PEO's)

The Program Educational Objectives (PEOs) were formulated in consultation with all stakeholders, including faculty and members of the Program Industry

## Advisory Board (PIAB).

The Electrical Engineering program at the University of Engineering and Technology Peshawar, Bannu Campus, aims to produce graduates who are expected to possess the following capabilities four years after graduation:

**PEO-1:** The graduates will serve competently in national and international industry or academia by showing requisite knowledge and skills in the field of Electrical Engineering.

**PEO-2:** The graduates will exhibit quest for learning and professional growth through inter personal and management skills.

**PEO-3:** The graduates will demonstrate commitment to ethical practices, community service and societal contribution.

## List of Laboratories

The Electrical Engineering Department has following ten well equipped laboratories:

- Electrical Machines Lab
- Electronics Lab
- Communication Systems Lab
- Measurements and Instrumentation Lab
- Digital Logic Design Lab
- Control Systems Lab
- Workshop Technology Lab, and
- Computer Lab

## Field Visits / Industrial Visits

Visits to various industries and research organizations are a part of the education and training of graduate engineers. These visits are arranged for students to provide them with a glimpse of real-world engineering in practice.

## Internships

Undergraduate students complete a supervised internship of 08 weeks in various relevant public and private sector organizations. The department has an Industrial Liaison Office to facilitate students in this regard.

## Research

The faculty and students are actively involved in research across various areas, including Network Technologies, Smart Grids, Artificial Intelligence, Antenna Design, Remote Sensing, and Control Systems.

## Career Placement Opportunities

Placement opportunities for Electrical Engineering graduates are available in WAPDA, PTCL, the Telecommunication Sector, SNGPL, PTV, Radio Pakistan, the Pakistan Atomic Energy Commission, Pakistan Railways, the Armed Forces, private industries, and other relevant organizations.

## Scheme of Studies

For Scheme of Studies, please refer to page No. 17 (Undergraduate Prospectus 2025-26).

## Chairman

Prof. Dr. Naeem Khan Ph.D. (UK)

## Professor

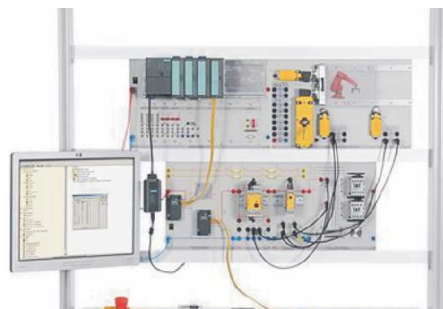
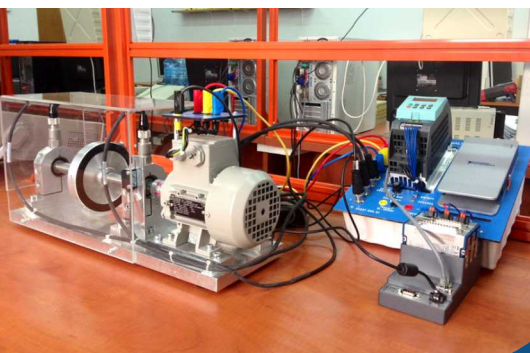
Prof. Dr. Naeem Khan Ph.D. (UK)

## Assistant Professors

Dr. Shafaat Ullah Ph.D. (Pak)  
Dr. Ibrar Ullah Ph.D. (Pak)  
Engr. Bilal Pirzada M.Sc. (Pak)

## Lecturers

Dr. Salman Atif Ph.D. (China)  
Dr. Fawad Ahmad Ph.D. (Pak)  
Dr. Muhammad Riaz Ph.D. (Pak)  
Engr. Aamir Rashid M.Sc. (Pak)  
Engr. Waleed Shahjehan M.Sc. (Pak)  
Engr. Ishtiaq Ahmad M.Sc. (Pak)  
Engr. Muhammad Yaqoob M.Sc. (Pak)  
Engr. M. Suleman Khan M.Sc. (Pak)



# Department of Electrical Engineering

## Jalozai Campus

### Introduction

The program offered by the Department of Electrical Engineering at Jalozai Campus provides a comprehensive foundation in fundamental Electrical Engineering concepts, alongside indepth knowledge of advanced topics in power, communication, and Computing and Artificial Intelligence (AI). State-of-the-art laboratories enable students to reinforce their theoretical understanding and enhance their practical skills through hands-on training. The curriculum is meticulously designed to include specialized courses in Power, Communication, Computing, and AI, covering essential topics to ensure graduates are well-prepared to address the challenges of the rapidly evolving technological landscape. Accredited by the Pakistan Engineering Council (PEC) under the Outcome Based Education (OBE) system and the Washington Accord, the program facilitates the international mobility of engineering graduates and professionals. This robust education is supported by a skilled, vibrant, and highly qualified faculty dedicated to nurturing students for successful careers in academia, industry, business, and research.

The department offers a comprehensive Engineering Program in Electrical Engineering, with the following majors:

- Computing & Artificial Intelligence
- Electrical Power Engineering
- Communication Engineering

based on the electives already approved by the august bodies in line with PEC/HEC Curriculum guide lines.

### Mission

To produce competent electrical engineers who can efficiently fulfill professional responsibilities in industrial, academic and research organizations.

### Program Educational Objectives (PEO's)

**PEO-1.** The graduate will serve competently in national and international industry or academia by showing requisite knowledge and skills in the field of Electrical Engineering.

**PEO-2.** The graduates will exhibit quest for learning and professional growth through interpersonal and management skills.

**PEO-3.** The graduate will demonstrate

commitment to ethical practices, communal service and societal contribution.

### List of Laboratories

- Computer Lab
- Workshop Technology Lab
- Digital Logic Design Lab
- Micro controller & Microprocessor Lab
- Electrical Machines Lab
- Electronics Lab
- Instrumentation & Control Systems Lab
- Communication Systems Lab
- Power Engineering Lab
- Power Electronics Lab
- Electrical Installation Lab

### Field Visits / Industrial Visits

Visits to various industries and research organizations are integral part of education and training of graduate engineers. These visits are arranged for students to equip them with experience of actual engineering works.

### Internship

The undergraduate students do the supervised internship for 08 weeks in various relevant public sector as well as private sector organizations. There is a departmental Industrial Liaison office to facilitate the students in this regard.

### Research

The faculty and the students are actively involved in the research in various areas including Network Technologies, Smart Grids, Machine Learning and Artificial Intelligence, Power System, Power Electronics FPGA, Antenna Design, Control System etc.

### Placement Opportunities

The placement opportunities for Electrical Engineering graduates are available in WAPDA, PTCL, Telecommunication Sectors, SNGPL, PTV, Radio Pakistan, Pakistan Atomic Energy Commission, Pakistan Railways, Pak Forces and Private Industries etc.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 17, 18 & 19.

### Chairman

Dr. Amjad Ali Ph.D. (China)

### Associate Professor

Dr. Amjad Ali Ph.D. (China)  
Dr. Akhtar Nawaz Khan Ph.D. (Thailand)  
Dr. Yousaf Khan Ph.D. (China)

### Assistant Professors

Dr. Uzair Gilani Ph.D. (USA)  
Dr. Abid Ullah Ph.D. (USA)  
Dr. Zaka Ullah Zahid Ph.D. (USA)  
Dr. Abu Bakr Siddique Ph.D. (UK)  
Dr. Abid Siddique Ph.D. (USA)  
Dr. Waqas Ahmed Imtiaz Ph.D. (Pak)  
Dr. Abid Iqbal Ph.D. (Australia)  
Dr. Sheraz Khan Ph.D. (Thailand)

### Lecturers

Dr. Irfan Ahmad Ph.D. (Pak)  
Dr. Abdul Basit Ph.D. (Pak)  
Engr. Najvia M.Sc. (Pak)  
Engr. M. Farhan M.Sc. (Pak)  
Engr. M. Rizwan M.Sc. (Pak)  
Engr. Zahid Zaman M.Sc. (Pak)  
Engr. Irshad Ullah M.Sc. (Pak)  
Engr. Fazal-e-Wahab M.Sc. (Pak)  
Engr. M. Ismail Afridi M.Sc. (Pak)

### Laboratory Engineers

Dr. Aamir Aman Ph.D. (Pak)  
Engr. Waqar Hussain M.Sc. (Pak)





# Department of Electronics Engineering

## Abbottabad Campus

### Introduction

The Department of Electronics Engineering is functioning in the main building of Abbottabad Campus, which is located in the heart of city surrounded by lush green lawns and tall trees. At the back ground, there is beautiful Mountainous view adding more grandeur to the campus.

Electronics Engineering is one of the fast growing disciplines having its applications in almost every field which include high speed data communication, automatic power system control devices, aerospace technology, computer hardware, industrial automation, robotic etc. Today's fast growing cellular technology depends on Electronics Engineering.

Keeping in view the importance of the subject, the University of Engineering & Technology started the Program at its Abbottabad campus from fall semester 2004, treating it as specialized discipline not being offered at other campuses of the University. Uptill now six batches have graduated from this campus duly accredited by the Pakistan Engineering Council.

The board of studies of the department has been constituted to revise and update the courses in order to couple with modern trends in this important engineering discipline. While designing the courses the main emphasis is on concept building so that the graduate engineers are able to co-relate the theoretical knowledge in order to solve the practical problems in the field of Electronics engineering. Besides academic activities the department encourages extracurricular activities like sports competition, debates, music concerts etc.

The department regularly organizes seminars and extension lectures for the benefit of the students and faculty. In view of the importance of the subject, the department is planning to establish links with the related industry.

### Academic Program

- B.Sc. Electronics Engineering
- B.Sc Software Engineering

### Mission

- Produce professional Engineers to meet the requirement of industry and R&D
- Provide modern lab equipment, software and research facilities

### Program Educational Objectives (PEO's)

**PEO-1:** Be able to analyze and solve complex electronics engineering problems by applying fundamental knowledge of mathematics, science, and engineering; and be aware of the importance of lifelong learning and sustainability

**PEO-2:** Be able to do research, design and progress in their career and be able to serve in national and international academic and industrial organizations.

**PEO-3:** Be able to utilize professional skills such as effective communication, teamwork, and Leadership, performing ethically and aware of societal and environmental issues

while applying their modern engineering and IT skills and tools in their professional work.

### List of Laboratories

- Analog & Digital Communication Laboratory
- Analog & Digital Electronics Laboratory
- FPGA, DSP & Microcontroller Laboratory
- Power Electronics & Machines Laboratory
- Control & Instrumentation Laboratory
- CAED Laboratory
- FYP Laboratory

### Research

The Department promotes research facilities at Abbottabad Campus.

### Chairman

Dr. Adam Khan Ph.D. (Pak)

### Professor

Prof. Dr. Syed Riaz-ul-Hassnain Ph.D. (Pak)

### Associate Professor

Dr. Adam Khan Ph.D. (Pak)

### Assistant Professors

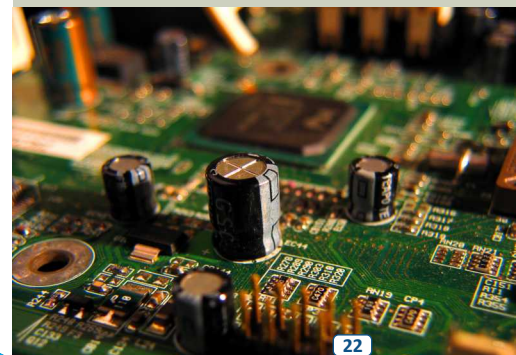
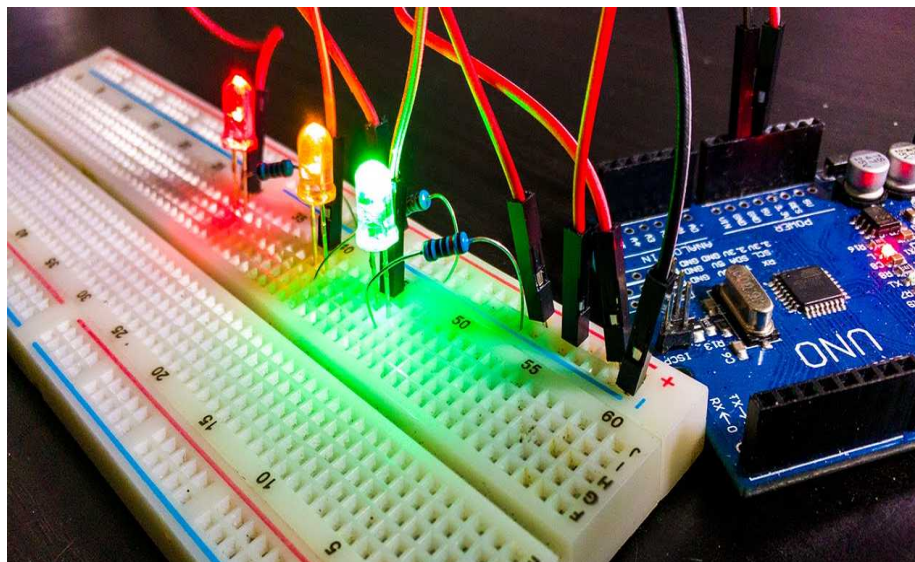
|                      |                 |
|----------------------|-----------------|
| Engr. Wajid Mehmood  | M.Sc. (Germany) |
| Engr. M. Fayyaz Khan | M.Sc. (Pak)     |
| Dr. Anees Ullah      | Ph.D. (Italy)   |
| Dr. Uzma Nawaz       | Ph.D. (Pak)     |

### Lecturers

|                      |                  |
|----------------------|------------------|
| Dr. Haider Zaman     | Ph.D. (China)    |
| Engr. Sania Syed     | M.Sc. (Pak)      |
| Engr. Muhammad Hanif | M.Sc. (Pak)      |
| Engr. Asma Israr     | B.Sc. (Pak)      |
| Engr. Yasir Malik    | M.Sc. (Pak & UK) |
| Engr. Munaza Razzaq  | M.Sc. (Pak)      |
| Engr. Afshan Ishaq   | B.Sc. (Pak)      |
| Engr. Mehmoona Gul   | M.Sc. (Pak)      |
| Engr. Quratulain     | M.Sc. (Pak)      |

### Laboratory Engineer

|                        |             |
|------------------------|-------------|
| Engr. Muhammad Ayaz    | M.Sc. (Pak) |
| Engr. Malik Adnan Khan | M.Sc. (Pak) |
| Engr. Irshad Hussain   | M.Sc. (Pak) |



# Scheme of Studies

| Semester 1          |                             | Contact hours |      | Credit hours |
|---------------------|-----------------------------|---------------|------|--------------|
| Course Code         | Course Title                | Lecture       | Lab. | Total        |
| BSI-101             | Islamic Studies             | 2             | 0    | 2            |
| BSI-122             | Calculus                    | 3             | 0    | 3            |
| BSI-142             | English Composition & Comp. | 2             | 0    | 2            |
| BSI-181             | Applied Physics             | 2             | 3    | 3            |
| ELE-103             | Computer Fundamentals       | 1             | 3    | 2            |
| ELE-220             | Circuit Analysis-I          | 3             | 3    | 4            |
| BSI-102             | Fehm-e-Quran-I              | 1             | 0    | 1            |
| Total Contact Hours |                             | 14            | 9    |              |
| Total Credit Hours  |                             | 14            | 3    | 17           |

| Semester 3          |                             | Contact hours |      | Credit hours |
|---------------------|-----------------------------|---------------|------|--------------|
| Course Code         | Course Title                | Lecture       | Lab. | Total        |
| ELE -273            | Entrepreneurship            | 2             | 0    | 2            |
| ELE-123             | Electronics Workshop        | 0             | 3    | 1            |
| BSI-362             | Complex Variables           | 3             | 0    | 3            |
| ELE-102             | Object Oriented Programming | 3             | 3    | 4            |
| ELE-210             | Digital Logic Design        | 3             | 3    | 4            |
| ELE-221             | Circuit Analysis-II         | 3             | 3    | 4            |
| Total Contact Hours |                             | 14            | 12   |              |
| Total Credit Hours  |                             | 14            | 4    | 18           |

| Semester 5          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| ELE-202             | Probability and RV                    | 3             | 0    | 3            |
| ELE-230             | Electrical Machines                   | 3             | 3    | 4            |
| ELE-250             | Instrumentation & Meats               | 3             | 3    | 4            |
| ELE-331             | Power Electronics                     | 3             | 3    | 4            |
| Total Contact Hours |                                       | 14            | 9    |              |
| Total Credit Hours  |                                       | 14            | 3    | 17           |

| Semester 7          |                                | Contact hours |      | Credit hours |
|---------------------|--------------------------------|---------------|------|--------------|
| Course Code         | Course Title                   | Lecture       | Lab. | Total        |
| ELE/CS-4XX          | Elective I                     | 3             | 3    | 4            |
| ELE/CS-4XX          | Elective II                    | 3             | 0    | 3            |
| ELE-187             | Engineering Economics          | 2             | 0    | 2            |
| BSI-120             | Professional Ethics            | 2             | 0    | 2            |
| ELE-417             | Artificial Intelligence        | 3             | 3    | 4            |
| ELE-499A            | Electronic Engineering Project | 0             | 9    | 3            |
| Total Contact Hours |                                | 13            | 17   |              |
| Total Credit Hours  |                                | 13            | 5    | 18           |

Total Credit Hours = 140

Total Contact Hours = 205

| Semester 2          |                              | Contact hours |      | Credit hours |
|---------------------|------------------------------|---------------|------|--------------|
| Course Code         | Course Title                 | Lecture       | Lab. | Total        |
| BSI-110             | Pakistan Studies             | 2             | 0    | 2            |
| BSI-111             | Linear Algebra               | 3             | 0    | 3            |
| BSI-231             | Differential Equations       | 3             | 0    | 3            |
| ELE-101             | Computer Programming         | 2             | 3    | 3            |
| ELE-275             | Occupational Health & safety | 2             | 0    | 2            |
| ELE-203             | Electronics Circuits-I       | 3             | 3    | 4            |
| BSI-203             | Fehm-e-Quran-II              | 1             | 0    | 1            |
| Total Contact Hours |                              | 16            | 6    |              |
| Total Credit Hours  |                              | 16            | 2    | 18           |

| Semester 4          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| ELE-222             | Computer Aided Engg Design      | 0             | 3    | 1            |
| ELE-240             | Electromagnetic Field Theory    | 3             | 0    | 3            |
| ELE-304             | Electronics Circuits-II         | 3             | 3    | 4            |
| ELE-311             | Microprocessors Systems         | 3             | 3    | 4            |
| ELE-322             | Signals and Systems             | 3             | 3    | 4            |
| Total Contact Hours |                                 | 14            | 12   |              |
| Total Credit Hours  |                                 | 14            | 4    | 18           |

| Semester 6          |                           | Contact hours |      | Credit hours |
|---------------------|---------------------------|---------------|------|--------------|
| Course Code         | Course Title              | Lecture       | Lab. | Total        |
| BSI-323             | TRW & Presentation Skills | 2             | 0    | 2            |
| ELE-305             | VLSI Design               | 3             | 3    | 4            |
| ELE-323             | Analog And Digital Comm   | 3             | 3    | 4            |
| ELE-361             | Control Systems           | 3             | 3    | 4            |
| ELE-421             | Digital Signal Processing | 3             | 3    | 4            |
| Total Contact Hours |                           | 14            | 12   |              |
| Total Credit Hours  |                           | 14            | 4    | 18           |

| Semester 8          |                            | Contact hours |      | Credit hours |
|---------------------|----------------------------|---------------|------|--------------|
| Course Code         | Course Title               | Lecture       | Lab. | Total        |
| ELE-488             | Principles of management   | 3             | 0    | 3            |
| ELE/CS-4xx          | Elective III               | 3             | 3    | 4            |
| ELE/CS-4xx          | Elective IV                | 3             | 0    | 3            |
| ELE-441             | Wave propagation & Antenna | 3             | 0    | 3            |
| ELE-499B            | Electronic Engg. Project   | 0             | 9    | 3            |
| Total Contact Hours |                            | 12            | 15   |              |
| Total Credit Hours  |                            | 12            | 4    | 16           |

# Department of Computer Systems Engineering

## Peshawar Campus

### Introduction

Computer Systems Engineering is a unique blend of selected fields from electrical engineering, computer science and mathematics required to design and develop computer systems. This branch of engineering provides the computational apparatus for technological growth in almost all fields of science and technology and has a huge impact on the economic development around the world. Once a blooming technology, it has now taken deep roots in every field of life.

The Department of Computer Systems Engineering (DCSE) strives to impart skills such as digital systems design, computer programming, software engineering, digital signal processing, control systems and microprocessor based systems design and development. Such skills are required in a broad range of technological fields such as consumer and medical electronics, custom electronic design, digital communications systems, computer networks, transport systems, factory automation and digital computer graphics.

The Computer Systems Engineering degree program is a combination of computer hardware and software engineering with a good foundation in electrical and electronics engineering. The degree program provides a combination of basic fundamental knowledge in computer systems, practical skills in hardware and software design, general problem solving skills required in designing and building systems, verbal and written communications, final year project work, exposure to a variety of existing and leading edge electronics hardware and software technologies. The course work is organized around key areas of Computer Systems Engineering and in quite a few cases successful completion of basic course is a pre-requisite for registration in an advanced course in a particular area.

### Academic Programs

- B.Sc. Computer Systems Engineering
- B.Sc. Software Engineering (Peshawar Campus)
- M.Sc. Computer Systems Engineering
- Ph.D. Computer Systems Engineering

### Mission

To produce well rounded graduates, equipped with in-depth knowledge of computer systems engineering and excellent problem-solving skills, motivated to solve complex engineering problems while keeping high professional and ethical standards.

### Program Educational Objectives (PEO's)

Following are the PEOs of Computer Systems Engineering Program at UET Peshawar:

**PEO-1.** Graduates will serve the community through the effective use of the concepts and techniques of computer systems engineering by giving research

based innovative solutions for sustainable development.

**PEO-2.** : Graduates will exhibit aptitude for leadership, team work, collaboration, independent learning and effective interpersonal communication skills, and will abide by the code of ethics and professional practices.

**PEO-3.** Graduates will be motivated to demonstrate continuous learning and skill development, so as to function and survive in a competitive landscape.

### List of Laboratories

The Department boasts the following well equipped laboratories, enabling students to get a strong practical grasp of the theoretical knowledge gained in the classroom:

- Electronics Laboratory
- Microprocessor and Digital Electronics Lab
- Digital Signal Processing & Digital Design Lab
- Final Year Project Laboratory
- CISCO Laboratory
- Communication Laboratory
- Control Systems Laboratory
- Two general-purpose Computing Laboratories

### Field Visits / Industrial Visits

Visits to various industries and research organizations are a part of education training of engineers. Both long and short visits are arranged for students, providing them an opportunity to experience practical "engineering work".

### Internship

Students are required to complete 08 weeks of supervised internship as part of the B.Sc degree programme, which gives them a chance to explore and get hands-on training in their respective fields of interest.

### Research

The Department has a well-qualified faculty, which actively participates in the University's academic and research activities. Research activities are carried out in a variety of fields such as Artificial Intelligence & Expert Systems, Pattern Recognition and Bioinformatics, Digital Signal Processing, Digital Image Processing, Control Systems, Computer Architecture and Advanced Digital Design, Fault Tolerant Computing, Networks and Communications.

### Placement Opportunities

The University has a dedicated Career Development Center (CDC) office for career related services of the students. The Department has a CDC representative (career liaison officer) who helps the students in career counseling.

### Chairman

Prof. Dr. Laiq Hasan Ph.D. (The Netherlands)

### Professors

Prof. Dr. Laiq Hasan Ph.D. (The Netherlands)  
Prof. Dr. Sadeeq Jan Ph.D. (Luxembourg)  
Prof. Dr. Zahid Wadud Mufti Ph.D. (Pak)

### Associate Professors

Dr. Nasru Minallah Ph.D. (UK)  
Dr. Nasir Ahmad Ph.D. (UK)  
Dr. Khurram Shehzad Khattak Ph.D. (USA)

### Assistant Professors

Dr. M. Athar Javed Sethi Ph.D. (Malaysia)  
Dr. Arbab Masood Ahmad Ph.D. (Pak)  
Dr. Safdar Nawaz Khan Marwat Ph.D. (Germany)  
Dr. Salman Ahmed Ph.D. (Canada)  
Dr. Samad Baseer Khan Ph.D. (Thailand)  
Engr. Ihsan Ul Haq M.Sc. (Pak)

### Lecturers

Dr. Rehmat Ullah Khattak Ph.D. (Pak)  
Dr. Abeer Irfan Ph.D. (Italy)  
Dr. Muniba Ashfaq Ph.D. (Pak)  
Dr. Durr-e-Nayab Ph.D. (Pak)  
Dr. Amaad Khalil Ph.D. (Pak)  
Engr. Sumayyeh Salahudin M.Sc. (Pak)  
Dr. Madiha Sher Ph.D. (Pak)  
Dr. Asif Ali Khan Ph.D. (Germany)  
Engr. Naina Said M.Sc. (Pak)  
Engr. Madeha Mushtaq M.Sc. (USA)  
Dr. Yasir Saleem Afridi Ph.D. (Pak)

### Laboratory Engineers

Engr. Mian Ibad Ali Shah M.Sc. (Pak)  
Engr. Abdullah Hamid M.Sc. (Pak)  
Engr. Shahzada Fahim Jan B.Sc. (Pak)





# Scheme of Studies

| Semester 1          |                                                | Contact hours |      | Credit hours |
|---------------------|------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                   | Lecture       | Lab. | Total        |
| BSI-101             | Islamic Studies                                | 2             | 0    | 2            |
| BSI-110             | Pakistan Studies                               | 2             | 0    | 2            |
| BSI-131             | English Composition & Comprehension            | 2             | 0    | 2            |
| BSI-122             | Calculus                                       | 3             | 0    | 3            |
| BSI-181             | Applied Physics                                | 2             | 3    | 3            |
| CSE-101             | Information and Communication Technology (ICT) | 3             | 3    | 4            |
| ME-106              | Engineering Workshop                           | 0             | 3    | 1            |
| Total Contact Hours |                                                | 14            | 9    |              |
| Total Credit Hours  |                                                | 14            | 3    | 17           |

| Semester 3          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| BSI-362             | Complex Variables                  | 3             | 0    | 3            |
| CSE-202             | Digital Logic Design               | 3             | 3    | 4            |
| CSE-206             | Electronic Circuits                | 3             | 3    | 4            |
| CSE-208             | Object Oriented Programming        | 3             | 3    | 4            |
| CSE-209             | Probability Methods in Engineering | 3             | 0    | 3            |
| Total Contact Hours |                                    | 15            | 9    |              |
| Total Credit Hours  |                                    | 15            | 3    | 18           |

| Semester 5          |                                      | Contact hours |      | Credit hours |
|---------------------|--------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                         | Lecture       | Lab. | Total        |
| CSE-404             | Software Engineering                 | 3             | 0    | 3            |
| CSE-3XX             | CEDE-I                               | 3             | 3    | 4            |
| CSE-402             | Digital Signal Processing            | 3             | 3    | 4            |
| CSE-304             | Computer Organization & Architecture | 3             | 3    | 4            |
| CSE-305             | Engineering Economics                | 2             | 0    | 2            |
| BSI-102             | Fehm-e-Quran-I                       | 1             | 0    | 1            |
| Total Contact Hours |                                      | 15            | 9    |              |
| Total Credit Hours  |                                      | 15            | 3    | 18           |

| Semester 7          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| CSE-401a            | Final Year Project- I                 | 0             | 9    | 3            |
| CSE-4XX             | MDEE-I                                | 3             | 0    | 3            |
| CSE-4XX             | CEDE-II                               | 3             | 3    | 4            |
| CSE-4XX             | CEDE-III                              | 3             | 0    | 3            |
| CSE-4XX             | CEDE-IV                               | 3             | 0    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 14            | 12   |              |
| Total Credit Hours  |                                       | 14            | 4    | 18           |

**Total Credit = 135**

Note: Chairman of the Department is authorized to rearrange the order of courses from the approved courses, depending upon the availability of faculty and market demand.

## \*List of Technical Electives

(More elective courses could be added and the credit hours can be split according to the requirement of the University)

### Computer Engineering Depth Courses (CEDE)

- Cloud and Distributed Computing
- Internet of Things
- Embedded System Design
- Artificial Intelligence and Machine Learning
- Image Processing and Analysis
- Cyber Security
- Systems Programming
- High-Performance Computing
- Control Engineering
- Algorithm Design and Analysis

- Hardware Design for DSP and ML
- Advance Computer Architecture
- Advance Electronics
- Modern Programming Languages
- Multimedia Communication
- Digital Communication
- Network Modelling and simulation
- Network Programming
- Optical Networks

### Multi-Disciplinary Engineering Electives (MDEE)

- Human-Computer Interaction (UI/UX)
- Block Chain Technologies and Applications
- Neural Network and Fuzzy Logic
- Robotics and automation
- Mobile Application/ Game Development
- Virtual Reality
- Software Quality Assurance
- VLSI System Design
- Data Warehousing and Big data

- GIS and Remote Sensing
- Health, Safety and Environment (HSE)
- Business Process Re-engineering
- Web Engineering
- Computer Graphics
- Fault Tolerant Computing
- Discrete Structures
- Numerical Analysis
- Data Analytics
- Bioinformatics

| Semester 2          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-111             | Linear Algebra                  | 3             | 0    | 3            |
| BSI-231             | Differential Equations          | 3             | 0    | 3            |
| CSE-102             | Computer Programming            | 3             | 3    | 4            |
| CSE-201             | Circuit Analysis                | 3             | 3    | 4            |
| CSE-211             | Occupational Health & Safety    | 1             | 0    | 1            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| Total Contact Hours |                                 | 15            | 6    |              |
| Total Credit Hours  |                                 | 15            | 2    | 17           |

| Semester 4          |                                     | Contact hours |      | Credit hours |
|---------------------|-------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                        | Lecture       | Lab. | Total        |
| BSI-141             | Communication & Presentation Skills | 2             | 0    | 2            |
| CSE-204             | Operating Systems                   | 3             | 3    | 4            |
| CSE-301             | Signals & Systems                   | 3             | 3    | 4            |
| CSE-303             | Computer Communication & Networks   | 3             | 3    | 4            |
| CSE-210             | Data Structures and Algorithms      | 3             | 3    | 4            |
| Total Contact Hours |                                     | 14            | 12   |              |
| Total Credit Hours  |                                     | 14            | 4    | 18           |

| Semester 6          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| CSE-311             | Technical Writing                  | 3             | 0    | 3            |
| CSE-307             | Microprocessor Based System Design | 3             | 3    | 4            |
| CSE-308             | Digital System Design              | 3             | 3    | 4            |
| CSE-403             | Database Management System         | 3             | 3    | 4            |
| BSI-120             | Professional Ethics                | 2             | 0    | 2            |
| BSI-203             | Fehm-e-Quran-II                    | 1             | 0    | 1            |
| Total Contact Hours |                                    | 15            | 9    |              |
| Total Credit Hours  |                                    | 15            | 3    | 18           |

| Semester 8          |                         | Contact hours |      | Credit hours |
|---------------------|-------------------------|---------------|------|--------------|
| Course Code         | Course Title            | Lecture       | Lab. | Total        |
| CSE-401b            | Final Year Project - II | 0             | 9    | 3            |
| CSE-4XX             | MDEE-II                 | 3             | 0    | 3            |
| CSE-4XX             | CEDE-V                  | 3             | 3    | 4            |
| CSE-4XX             | MDEE-III                | 3             | 0    | 3            |
| CSE-312             | Entrepreneurship        | 2             | 0    | 2            |
| Total Contact Hours |                         | 11            | 12   |              |
| Total Credit Hours  |                         | 11            | 4    | 15           |

# Software Engineering Program

## Peshawar Campus

### Introduction

Welcome to the Department of Software Engineering at University of Engineering and Technology, Peshawar! Our mission is to shape the next generation of innovators, problem-solvers, and leaders in the software technology sector.

In today's digital era, software engineering is crucial for driving innovation and efficiency across industries. Our undergraduate program is designed to equip students with the technical expertise, practical skills, and creative thinking needed to excel in this dynamic field.

Our curriculum blends theoretical foundations with hands-on experience, covering key topics such as programming, software design and architecture, data structures, algorithms, and emerging technologies like artificial intelligence and cybersecurity. Through project-based learning and industry collaborations, students gain real-world experience that prepares them for successful careers.

Our faculty consists of dedicated educators and researchers who are leaders in their fields. They bring a wealth of knowledge and industry experience to the classroom, ensuring that our students are well-prepared for the challenges of the software engineering profession.

Beyond the classroom, we offer opportunities for students to engage in research, internships, and extracurricular activities. Our state-of-the-art laboratories and collaborative spaces foster innovation and creativity, encouraging students to push the boundaries of what is possible.

Join us at the Department of Software Engineering and embark on a journey to be part of the technological revolution. Whether you aim to develop groundbreaking software, drive tech innovations, or lead teams in a global marketplace, our program is designed to help you achieve your goals and make a significant impact.

Welcome to a community where your potential meets endless possibilities. Welcome to the future of software engineering.

### Academic Programs

- BS (Software Engineering)

### Mission

The mission of this program is to provide students with the foundational concepts, advanced techniques, essential skills, and practical tools necessary for designing and developing medium to large-scale software systems. We aim to prepare graduates for successful professional careers in the software industry, academia, and research organizations by instilling in them the capabilities for lifelong learning.

### Program Educational Objectives (PEO's)

**PEO-1:** To cultivate graduates with strong analytical

and problem-solving abilities, enabling them to tackle real-world challenges, especially local issues, and to contribute to the country's societal and economic development.

**PEO-2:** To produce graduates who pursue careers in Software Engineering and are driven to become researchers, leaders, entrepreneurs, consultants, and successful engineers.

**PEO-3:** To nurture graduates who are committed to continuous learning and skill enhancement, ensuring their ability to thrive in a competitive environment.

**PEO-4:** To develop graduates who demonstrate teamwork, independent learning, effective interpersonal communication skills, and adherence to professional standards.

### Laboratories Facilities

Our department boasts state-of-the-art computer laboratories equipped with all necessary instruments and software for software engineering courses. These labs ensure smooth operation with the support of a powerful generator. Additionally, we have specialized labs such as the Big Data and Cloud Computing Lab, designed to provide students with hands-on experience in the latest trends and practices in these cutting-edge fields.

### Career Opportunities

Graduates of our program can look forward to diverse career opportunities in software design and development across various application areas. They are particularly well-prepared to serve as members or leaders of software project teams, possessing the knowledge and skills to deliver high-quality software within schedule and budget constraints. The demand for computer software engineers is expected to grow significantly, with approximately 295,000 new positions projected to be added through 2018.

### Research

Our department is home to several full-time Ph.D. faculty members who are actively engaged in research across a range of areas, including Human-Computer Interaction, Software Testing, Computer Vision, Computer Networks, the Semantic Web, and Parallel Computing and Grids.

### Field Visits / Industrial Visits and Internships

To bridge the gap between academic learning and real-world application, our program includes regular field and industrial visits, offering students firsthand exposure to the software engineering industry. Additionally, we facilitate internships that allow students to gain valuable practical experience, develop professional skills, and build networks within the industry. These opportunities are integral to our curriculum, preparing students for successful careers by enhancing their understanding of the practical challenges and dynamics of the software engineering field.

### Program Coordinator

Dr. Nasru Minallah Ph.D. (UK)

### Assistant Professor

Engr. Nadeem Ahmad M.Sc. (China)

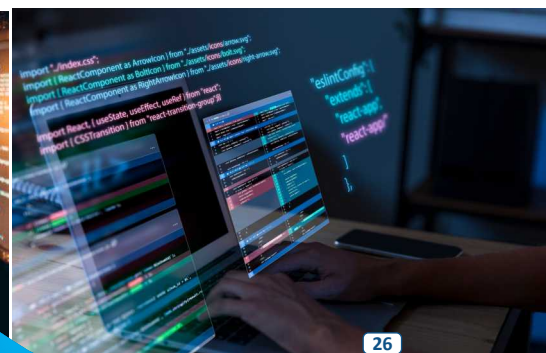
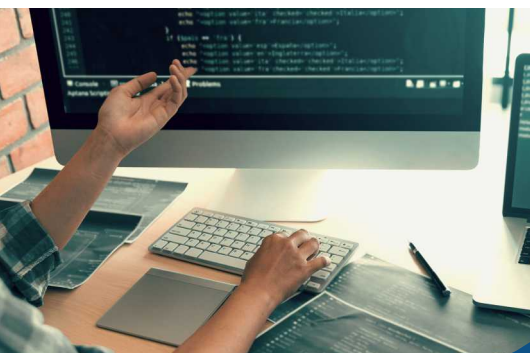
### Lecturer

Dr. Sahibzada Fahim Ph.D. (Pak)

### Laboratory Engineers

Dr. Taimur Ahmad Khan Ph.D. (Pak)

Engr. Ahmad Raza M.Sc. (Pak)



# Scheme of Studies

| Semester 1  |                                            | Credit hours |          | Contact hours |
|-------------|--------------------------------------------|--------------|----------|---------------|
| Course Code | Course Title                               | Lecture      | Lab.     | Total         |
| SE-101      | Information and Communication Technologies | 2            | 3        | 3             |
| SE-102      | Computer Programming                       | 3            | 3        | 4             |
| SE-117      | Occupational Health and Safety             | 1            | 0        | 1             |
| BSI-101     | Islamic Studies                            | 2            | 0        | 2             |
| BSI-110     | Pakistan Studies                           | 2            | 0        | 2             |
| BSI-133     | Functional English                         | 2            | 0        | 2             |
| BSI-173     | Calculus & Analytical Geometry             | 3            | 0        | 3             |
|             |                                            |              |          |               |
|             |                                            |              |          |               |
|             | <b>Total Credit Hours</b>                  | <b>15</b>    | <b>6</b> |               |
|             | <b>Total Contact Hours</b>                 | <b>15</b>    | <b>2</b> | <b>17</b>     |

| Semester 3  |                                      | Credit hours |          | Contact hours |
|-------------|--------------------------------------|--------------|----------|---------------|
| Course Code | Course Title                         | Lecture      | Lab.     | Total         |
| SE-202      | Data Structures & Algorithms         | 3            | 3        | 4             |
| SE-204      | Introduction to Software Engineering | 3            | 0        | 3             |
| BSI-362     | Complex Variables and Transforms     | 3            | 0        | 3             |
| SE-304      | Operating Systems                    | 3            | 3        | 4             |
| BSI-351     | Probability and Statistics           | 3            | 0        | 3             |
|             |                                      |              |          |               |
|             |                                      |              |          |               |
|             |                                      |              |          |               |
|             | <b>Total Credit Hours</b>            | <b>15</b>    | <b>6</b> |               |
|             | <b>Total Contact Hours</b>           | <b>15</b>    | <b>2</b> | <b>17</b>     |

| Semester 5  |                                           | Credit hours |          | Contact hours |
|-------------|-------------------------------------------|--------------|----------|---------------|
| Course Code | Course Title                              | Lecture      | Lab.     | Total         |
| SE-***      | Software Engineering Elective-I           | 3            | 0        | 3             |
| SE-311      | Embedded Systems                          | 2            | 3        | 3             |
| SE-312      | Design and Analysis of Algorithms         | 3            | 0        | 3             |
| SE-206      | Software Construction & Development       | 2            | 3        | 3             |
| BSI-323     | Technical Writing and Presentation Skills | 3            | 0        | 3             |
| BSI-***     | Management Sciences Elective-I            | 3            | 0        | 3             |
|             |                                           |              |          |               |
|             |                                           |              |          |               |
|             | <b>Total Credit Hours</b>                 | <b>16</b>    | <b>6</b> |               |
|             | <b>Total Contact Hours</b>                | <b>16</b>    | <b>2</b> | <b>18</b>     |

| Semester 7  |                                        | Credit hours |           | Contact hours |
|-------------|----------------------------------------|--------------|-----------|---------------|
| Course Code | Course Title                           | Lecture      | Lab.      | Total         |
| SE-***      | Software Engineering Elective-III      | 2            | 3         | 3             |
| SE-***      | Software Engineering Elective-IV       | 2            | 3         | 3             |
| SE-406      | Formal Methods in Software Engineering | 3            | 0         | 3             |
| BSI-***     | Social Science Elective-II             | 2            | 0         | 2             |
| SE-405a     | Final Year Project                     | 0            | 9         | 3             |
| BSI-102     | Fehm-e-Quran I                         | 3            | 0         | 1             |
| BSI-109     | Ideology and Constitution of Pakistan  | 2            | 0         | 2             |
|             |                                        |              |           |               |
|             |                                        |              |           |               |
|             | <b>Total Credit Hours</b>              | <b>14</b>    | <b>15</b> |               |
|             | <b>Total Contact Hours</b>             | <b>12</b>    | <b>5</b>  | <b>17</b>     |

Codes \*\*\* will be assigned based on the elective course offered.

| Semester 2  |                                      | Credit hours |          | Contact hours |
|-------------|--------------------------------------|--------------|----------|---------------|
| Course Code | Course Title                         | Lecture      | Lab.     | Total         |
| SE-106      | Computer Architecture & Logic Design | 3            | 3        | 4             |
| SE-103      | Discrete Structures                  | 3            | 0        | 3             |
| SE-107      | Object Oriented Programming          | 2            | 3        | 3             |
| BSI-123     | Basic Physics                        | 3            | 0        | 3             |
| BSI-143     | Communication Skills                 | 2            | 0        | 2             |
| BSI-111     | Linear Algebra                       | 3            | 0        | 3             |
|             |                                      |              |          |               |
|             |                                      |              |          |               |
|             | <b>Total Credit Hours</b>            | <b>16</b>    | <b>6</b> |               |
|             | <b>Total Contact Hours</b>           | <b>16</b>    | <b>2</b> | <b>18</b>     |

| Semester 4  |                                   | Credit hours |          | Contact hours |
|-------------|-----------------------------------|--------------|----------|---------------|
| Course Code | Course Title                      | Lecture      | Lab.     | Total         |
| BSI-242     | Numerical Analysis                | 3            | 0        | 3             |
| SE-209      | Introduction to Database Systems  | 3            | 3        | 4             |
| SE-302      | Software Design & Architecture    | 2            | 3        | 3             |
| SE-305      | Computer Communication & Networks | 3            | 3        | 4             |
| BSI-120     | Social Sciences Elective-I        | 2            | 0        | 2             |
| SE-118      | Civics and Community Engagement   | 2            | 0        | 2             |
|             |                                   |              |          |               |
|             |                                   |              |          |               |
|             | <b>Total Credit Hours</b>         | <b>15</b>    | <b>9</b> |               |
|             | <b>Total Contact Hours</b>        | <b>15</b>    | <b>3</b> | <b>18</b>     |

| Semester 6  |                                  | Credit hours |          | Contact hours |
|-------------|----------------------------------|--------------|----------|---------------|
| Course Code | Course Title                     | Lecture      | Lab.     | Total         |
| SE-***      | Software Engineering Elective-II | 3            | 0        | 3             |
| SE-401      | Human Computer Interaction       | 2            | 3        | 3             |
| SE-402      | Software Project Management      | 3            | 0        | 3             |
| SE-307      | Software Quality Engineering     | 3            | 0        | 3             |
| SE-420      | Entrepreneurship                 | 2            | 0        | 2             |
| SE-301      | Web Engineering                  | 3            | 3        | 4             |
|             |                                  |              |          |               |
|             |                                  |              |          |               |
|             | <b>Total Credit Hours</b>        | <b>16</b>    | <b>6</b> | <b>22</b>     |
|             | <b>Total Contact Hours</b>       | <b>16</b>    | <b>2</b> | <b>18</b>     |

| Semester 8  |                                  | Credit hours |           | Contact hours |
|-------------|----------------------------------|--------------|-----------|---------------|
| Course Code | Course Title                     | Lecture      | Lab.      | Total         |
| SE-***      | Software Engineering Elective-V  | 2            | 3         | 3             |
| SE-327      | Information Security             | 3            | 0         | 3             |
| SE-***      | Software Engineering Elective-VI | 2            | 3         | 3             |
| SE-407      | Internet of Things               | 3            | 0         | 3             |
| BSI-203     | Fehm-e-Quran II                  | 3            | 0         | 1             |
| SE-405b     | Final Year Project               | 0            | 9         | 3             |
|             |                                  |              |           |               |
|             |                                  |              |           |               |
|             | <b>Total Credit Hours</b>        | <b>13</b>    | <b>15</b> |               |
|             | <b>Total Contact Hours</b>       | <b>11</b>    | <b>5</b>  | <b>16</b>     |

Total Credit Hours = 139



# Software Engineering Program

## Abbottabad Campus

### Introduction

Welcome to the Department of Software Engineering Abbottabad Campus, University of Engineering and Technology, Peshawar. Our mission is to shape the next generation of innovators, problem-solvers, and leaders in the software technology sector.

In today's digital era, software engineering is crucial for driving innovation and efficiency across industries. Our undergraduate program is designed to equip students with the technical expertise, practical skills, and creative thinking needed to excel in this dynamic field.

Our curriculum blends theoretical foundations with hands-on experience, covering key topics such as programming, software design and architecture, data structures, algorithms, and emerging technologies like artificial intelligence and cybersecurity. Through project-based learning and industry collaborations, students gain real-world experience that prepares them for successful careers.

Our faculty consists of dedicated educators and researchers who are leaders in their fields. They bring a wealth of knowledge and industry experience to the classroom, ensuring that our students are well-prepared for the challenges of the software engineering profession.

Beyond the classroom, we offer opportunities for students to engage in research, internships, and extracurricular activities. Our state-of-the-art laboratories and collaborative spaces foster innovation and creativity, encouraging students to push the boundaries of what is possible.

Join us at the Department of Software Engineering and embark on a journey to be part of the technological revolution. Whether you aim to develop groundbreaking software, drive tech innovations, or lead teams in a global marketplace, our program is designed to help you achieve your goals and make a significant impact.

Welcome to a community where your potential meets endless possibilities. Welcome to the future of software engineering.

### Academic Programs

- BS (Software Engineering)

### Mission

The mission of this program is to provide students with the foundational concepts, advanced techniques, essential skills, and practical tools necessary for designing and developing medium to large-scale software systems. We aim to prepare graduates for successful professional careers in the software industry, academia, and research organizations by instilling in them the capabilities for lifelong learning.

### Program Educational Objectives (PEO's)

**PEO-1:** To cultivate graduates with strong analytical and problem-solving abilities, enabling them to tackle real-world challenges, especially local issues, and to contribute to the country's societal and economic

development.

**PEO-2:** To produce graduates who pursue careers in Software Engineering and are driven to become researchers, leaders, entrepreneurs, consultants, and successful engineers.

**PEO-3:** To nurture graduates who are committed to continuous learning and skill enhancement, ensuring their ability to thrive in a competitive environment.

**PEO-4:** To develop graduates who demonstrate teamwork, independent learning, effective interpersonal communication skills, and adherence to professional standards.

### Laboratories Facilities

Our department boasts state-of-the-art computer laboratories equipped with all necessary instruments and software for software engineering courses. These labs ensure smooth operation with the support of a powerful generator. Additionally, we have specialized labs such as the Big Data and Cloud Computing Lab, designed to provide students with hands-on experience in the latest trends and practices in these cutting-edge fields.

### Career Opportunities

Graduates of our program can look forward to diverse career opportunities in software design and development across various application areas. They are particularly well-prepared to serve as members or leaders of software project teams, possessing the knowledge and skills to deliver high-quality software within schedule and budget constraints. The demand for computer software engineers is expected to grow significantly, with approximately 295,000 new positions projected to be added through 2018.

### Research

Our department is home to several full-time Ph.D. faculty members who are actively engaged in research across a range of areas, including Human-Computer Interaction, Software Testing, Computer Vision, Computer Networks, the Semantic Web, and Parallel Computing and Grids.

### Field Visits / Industrial Visits and Internships

To bridge the gap between academic learning and real-world application, our program includes regular field and industrial visits, offering students firsthand exposure to the software engineering industry. Additionally, we facilitate internships that allow students to gain valuable practical experience, develop professional skills, and build networks within the industry. These opportunities are integral to our curriculum, preparing students for successful careers by enhancing their understanding of the practical challenges and dynamics of the software engineering field.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 27

### Program Coordinator

Engr. Munaza Razzaq M.Sc. (Pak)

### Assistant Professor

Engr. M. Fayyaz Khan M.Sc. (Pak)

### Lecturers

Engr. Muhammad Hanif M.Sc. (Pak)  
Engr. Yasir Malik M.Sc. (Pak & UK)  
Engr. Munaza Razzaq M.Sc. (Pak)

### Laboratory Engineer

Dr. Muhammad Ayaz Ph.D. (Pak)



# Department of Computer Science

## Peshawar Campus

### Introduction

Welcome to the Department of Computer Science - a place where curiosity meets innovation and ideas turn into impact. Our degree programs in Computer Science and Data Science are designed to give students a strong grounding in core areas like algorithms, software development, and data analysis, while also exploring exciting frontiers like Artificial Intelligence, Machine Learning, and Cloud Computing. Whether you're building smart solutions or uncovering insights from data, this is where your journey into the future of technology begins.

### Programs Offered

The Department of Computer Science at UET Peshawar offers a range of undergraduate and graduate programs designed to meet the evolving needs of the tech industry. Our programs focus on foundational knowledge, practical skills, and emerging technologies to prepare students for successful careers in computing, data science, and cybersecurity. The department offers the following degree programs:

- Bachelor of Science (BS) in Computer Science – Provides a solid foundation in software development, algorithm design, web technologies, computer networks, and artificial intelligence, enabling students to solve complex computational problems and drive innovation in the technology sector.
- Bachelor of Science (BS) in Data Science – Equips students with skills in data analytics, machine learning, statistics, and big data technologies to develop data-driven solutions and pursue careers in data science and analytics.
- Master of Science (MS) in Computer Science – Offers two specialization streams:
  - Cyber Security
  - Data Science and Distributed Computing
- Doctor of Philosophy (PhD) in Computer Science – A research-focused program aimed at advancing knowledge and innovation in diverse areas of computer science.

### Why Choose Department of Computer Science?

**Expert Faculty:** Our department boasts a team of highly qualified and experienced faculty members who are dedicated to teaching and research. They bring a wealth of knowledge from their respective fields and are committed to mentoring students and guiding their academic and professional growth.

**Research Opportunities:** We provide ample opportunities for students to engage in research projects, collaborate with industry partners, and present their findings at national and international conferences. Our research centers and labs are equipped with the latest technology, facilitating innovative and impactful research.

**State-of-the-Art Facilities:** The department is equipped with modern laboratories, advanced computing resources, and a wide array of software tools. These facilities are designed to support both teaching and research activities, ensuring that students have access to the resources they need to succeed.

**Industry Connections:** We maintain strong ties with the industry, offering students opportunities for internships, collaborative projects, and networking. These connections help bridge the gap between academia and industry, providing our students with practical experience and enhancing their employability.

**Comprehensive Curriculum:** Our curriculum is continuously updated to reflect the latest trends and advancements in the field. We offer a balanced mix of theoretical knowledge and practical skills, ensuring that our graduates are well-prepared to tackle real-world challenges.

### Department Vision:

To be a leading department of excellence in computing education and research, promoting innovation and producing professionals who advance technology and contribute to societal development.

### Program Mission – BS (CS):

To become a nationally recognized undergraduate program in computer science education and research by equipping students with strong foundations in algorithms, software development, and emerging areas, along with a commitment to ethics and lifelong learning for producing professionals who contribute to the global technological and societal development.

### Program Mission – BS (DS):

To become a nationally recognized undergraduate program in data science education and research by equipping students with strong foundations in data analytics, artificial intelligence, and interdisciplinary problem solving, along with a commitment to ethics and lifelong learning for producing professionals who contribute to the global technological and societal development.

### Program Education Outcomes (PEOs) for BS (CS)

**PEO-1: Technical Proficiency:** Graduates will apply core knowledge of algorithms, software systems, and emerging technologies to solve practical problems.

**PEO-2: Professional Excellence:** Graduates will exhibit strong communication, teamwork, and leadership in diverse and multidisciplinary settings.

**PEO-3: Lifelong Learning & Adaptability:** Graduates will pursue continuous learning to stay current with technological advancements and professional growth.

**PEO-4: Ethical and Societal Responsibility:** Graduates will uphold ethical standards and contribute to society through responsible computing practices.

### Program Education Outcomes (PEOs) for BS (DS)

**PEO-1: Technical Proficiency:** Graduates will apply statistical, computational, artificial intelligence and analytical skills to extract insights and solve data-centric problems.

**PEO-2: Professional Excellence:** Graduates will exhibit strong communication, teamwork, and leadership in diverse and multidisciplinary settings.

**PEO-3: Lifelong Learning & Adaptability:** Graduates will pursue continuous learning to stay current with technological advancements and professional growth.

**PEO-4: Ethical and Societal Responsibility:** Graduates will uphold ethical standards and contribute to society through responsible computing practices.

### Chairman

Dr. Syed Adeel Ali Shah Ph.D. (Malaysia)

### Associate Professors

Dr. Iftikhar Ahmad Ph.D. (Germany)

Dr. Syed Adeel Ali Shah Ph.D. (Malaysia)

### Assistant Professors

Dr. Wajeeha Khalil Ph.D. (Austria)

Dr. M. Imran Khan Khaili Ph.D. (Pak)

Dr. Suhail Yousaf Ph.D. (The Netherlands)

Dr. M. Naeem Khan Ph.D. (Pak)

Mr. Ismat Ullah Khan M.Sc. (Pak)

### Lecturers

Dr. Zakira Inayat Ph.D. (Malaysia)

Dr. Ala Uddin Ph.D. (Pak)

Dr. Dilawar Khan Ph.D. (Pak)

Mr. Imran Rasheed M.Sc. (Pak)

Mr. Sadiq-ur-Rehman M.Sc. (Pak)

Mr. Amir Taj M.Sc. (UK)

Ms. Aisha Javed MIT (Pak)

Mr. Inayat Ullah M.Sc. (Pak)

Engr. Mujtaba Hassan M.Sc. (Pak)



# Scheme of Studies

| Semester 1                           |                                | Contact hours |          | Credit hours |
|--------------------------------------|--------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                   | Lecture       | Lab.     | Total        |
| CS-101                               | Applications of ICT            | 2             | 3        | 3            |
| CS-102                               | Programming Fundamentals       | 3             | 3        | 4            |
| CS-103                               | Discrete Structures            | 3             | 0        | 3            |
| BSI-123                              | Calculus and Analytic Geometry | 3             | 0        | 3            |
| BSI-133                              | Functional English             | 3             | 0        | 3            |
| BSI-102                              | Fehm-e-Quran-I                 | 1             | 0        | 1            |
| <b>For Pre-Medical Students Only</b> |                                |               |          |              |
| BSI-110M                             | Maths-I (in place of BSI-123)  | 3             | 0        | Non Credit   |
| <b>Credit Hours (Pre-Engg.)</b>      |                                | <b>15</b>     | <b>6</b> | <b>17</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                | <b>11</b>     | <b>2</b> | <b>13</b>    |

| Semester 3                           |                                   | Contact hours |          | Credit hours |
|--------------------------------------|-----------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                      | Lecture       | Lab.     | Total        |
| CS-201                               | Computer Org. & Assembly Language | 2             | 3        | 3            |
| CS-202                               | Automata Theory                   | 3             | 0        | 3            |
| CS-203                               | Data Structures                   | 3             | 3        | 4            |
| CS-204                               | Software Engineering              | 3             | 0        | 3            |
| BSI-351                              | Probability & Statistics          | 3             | 0        | 3            |
| CS-208                               | Introduction to Management        | 2             | 0        | 2            |
| <b>For Pre-Medical Students Only</b> |                                   |               |          |              |
| BSI-221                              | Multivariable Calculus            | 3             | 0        | 3            |
| <b>Credit Hours (Pre-Engg.)</b>      |                                   | <b>16</b>     | <b>6</b> | <b>18</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                   | <b>19</b>     | <b>2</b> | <b>21</b>    |

| Semester 5                 |                                      | Contact hours |          | Credit hours |
|----------------------------|--------------------------------------|---------------|----------|--------------|
| Course Code                | Course Title                         | Lecture       | Lab.     | Total        |
| CS-301                     | HCI & Computer Graphics              | 2             | 3        | 3            |
| CS-302                     | Computer Networks                    | 2             | 3        | 3            |
| CS-303                     | Analysis of Algorithms               | 3             | 0        | 3            |
| CS-304                     | Information Security                 | 3             | 0        | 3            |
| CS-XXX                     | Elective Supporting (Social Science) | 3             | 0        | 3            |
| CS-XXX                     | Domain Elective-II                   | 2             | 3        | 3            |
|                            |                                      |               |          |              |
|                            |                                      |               |          |              |
|                            |                                      |               |          |              |
| <b>Total Contact Hours</b> |                                      | <b>15</b>     | <b>9</b> |              |
| <b>Total Credit Hours</b>  |                                      | <b>15</b>     | <b>3</b> | <b>18</b>    |

| Semester 7                 |                                       | Contact hours |           | Credit hours |
|----------------------------|---------------------------------------|---------------|-----------|--------------|
| Course Code                | Course Title                          | Lecture       | Lab.      | Total        |
| CS-400                     | Final Year Project - I                | 0             | 9         | 3            |
| CS-401                     | Expository Writing                    | 3             | 0         | 3            |
| CS-402                     | Entrepreneurship                      | 2             | 0         | 2            |
| BSI-109                    | Ideology and Constitution of Pakistan | 2             | 0         | 2            |
| CS-XXX                     | Domain Elective-V                     | 2             | 3         | 3            |
| CS-XXX                     | Domain Elective-VI                    | 2             | 3         | 3            |
|                            |                                       |               |           |              |
|                            |                                       |               |           |              |
|                            |                                       |               |           |              |
| <b>Total Contact Hours</b> |                                       | <b>11</b>     | <b>15</b> |              |
| <b>Total Credit Hours</b>  |                                       | <b>11</b>     | <b>5</b>  | <b>16</b>    |

Codes XXX represents elective courses that will be chosen from the list of available electives.

| Semester 2                           |                                  | Contact hours |          | Credit hours |
|--------------------------------------|----------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                     | Lecture       | Lab.     | Total        |
| CS-104                               | Object Oriented Programming      | 3             | 3        | 4            |
| CS-105                               | Digital Logic Design             | 2             | 3        | 3            |
| CS-106                               | Database Systems                 | 3             | 3        | 4            |
| BSI-221                              | Multivariable Calculus           | 3             | 0        | 3            |
| BSI-101                              | Islamic Studies                  | 2             | 0        | 2            |
| BSI-203                              | Fehm-e-Quran-II                  | 1             | 0        | 1            |
| <b>For Pre-Medical Students Only</b> |                                  |               |          |              |
| BSI-120M                             | Maths-II (in place of BSI-221)   | 3             | 0        | Non Credit   |
| BSI-123                              | Calculus and Analytical Geometry | 3             | 0        | 3            |
| <b>Credit Hours (Pre-Engg.)</b>      |                                  | <b>14</b>     | <b>9</b> | <b>17</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                  | <b>13</b>     | <b>3</b> | <b>16</b>    |

| Semester 4                 |                              | Contact hours |           | Credit hours |
|----------------------------|------------------------------|---------------|-----------|--------------|
| Course Code                | Course Title                 | Lecture       | Lab.      | Total        |
| CS-205                     | Artificial Intelligence      | 2             | 3         | 3            |
| CS-206                     | Operating Systems            | 2             | 3         | 3            |
| DS-201                     | Introduction to Data Science | 2             | 3         | 3            |
| BSI-111                    | Linear Algebra               | 3             | 0         | 3            |
| CS-XXX                     | Domain Elective-I            | 2             | 3         | 3            |
| BSI-181                    | Applied Physics              | 3             | 0         | 3            |
|                            |                              |               |           |              |
|                            |                              |               |           |              |
|                            |                              |               |           |              |
| <b>Total Contact Hours</b> |                              | <b>14</b>     | <b>12</b> |              |
| <b>Total Credit Hours</b>  |                              | <b>14</b>     | <b>4</b>  | <b>18</b>    |

| Semester 6                 |                                       | Contact hours |          | Credit hours |
|----------------------------|---------------------------------------|---------------|----------|--------------|
| Course Code                | Course Title                          | Lecture       | Lab.     | Total        |
| CS-305                     | Compiler Construction                 | 3             | 0        | 3            |
| DS-303                     | Parallel & Distributed Computing      | 2             | 3        | 3            |
| CS-307                     | Advance Database Management Systems   | 2             | 3        | 3            |
| BSI-141                    | Communication and Presentation Skills | 3             | 0        | 3            |
| CS-XXX                     | Domain Elective-III                   | 2             | 3        | 3            |
| CS-XXX                     | Domain Elective-IV                    | 3             | 0        | 3            |
|                            |                                       |               |          |              |
|                            |                                       |               |          |              |
|                            |                                       |               |          |              |
| <b>Total Contact Hours</b> |                                       | <b>15</b>     | <b>9</b> |              |
| <b>Total Credit Hours</b>  |                                       | <b>15</b>     | <b>3</b> | <b>18</b>    |

| Semester 8                 |                                     | Contact hours |           | Credit hours |
|----------------------------|-------------------------------------|---------------|-----------|--------------|
| Course Code                | Course Title                        | Lecture       | Lab.      | Total        |
| CS-400                     | Final Year Project - II             | 0             | 9         | 3            |
| BSI-110                    | Pakistan Studies                    | 2             | 0         | 2            |
| CS-403                     | Ethical & Legal Issues in Computing | 2             | 0         | 2            |
| BSI-121                    | Civics and Community Engagment      | 2             | 0         | 2            |
| CS-XXX                     | Domain Elective-VII                 | 2             | 3         | 3            |
|                            |                                     |               |           |              |
|                            |                                     |               |           |              |
|                            |                                     |               |           |              |
| <b>Total Contact Hours</b> |                                     | <b>8</b>      | <b>12</b> |              |
| <b>Total Credit Hours</b>  |                                     | <b>8</b>      | <b>4</b>  | <b>12</b>    |

Total Credit Hours = 134



# Scheme of Studies

| Semester 1                           |                                | Contact hours |          | Credit hours |
|--------------------------------------|--------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                   | Lecture       | Lab.     | Total        |
| CS-101                               | Applications of ICT            | 2             | 3        | 3            |
| CS-102                               | Programming Fundamentals       | 3             | 3        | 4            |
| CS-103                               | Discrete Structures            | 3             | 0        | 3            |
| BSI-123                              | Calculus and Analytic Geometry | 3             | 0        | 3            |
| BSI-133                              | Functional English             | 3             | 0        | 3            |
| BSI-102                              | Fehm-e-Quran-I                 | 1             | 0        | 1            |
| <b>For Pre-Medical Students Only</b> |                                |               |          |              |
| BSI-110M                             | Maths-I (in place of BSI-123)  | 3             | 0        | Non Credit   |
| <b>Credit Hours (Pre-Engg.)</b>      |                                | <b>15</b>     | <b>6</b> | <b>17</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                | <b>11</b>     | <b>2</b> | <b>13</b>    |

| Semester 3                           |                                   | Contact hours |          | Credit hours |
|--------------------------------------|-----------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                      | Lecture       | Lab.     | Total        |
| CS-201                               | Computer Org. & Assembly Language | 3             | 3        | 4            |
| CS-203                               | Data Structures                   | 2             | 3        | 3            |
| DS-201                               | Introduction to Data Science      | 2             | 3        | 3            |
| BSI-351                              | Probability & Statistics          | 3             | 0        | 3            |
| CS-XXX                               | Domain Elective-I                 | 3             | 0        | 3            |
| CS-208                               | Introduction to Management        | 2             | 0        | 2            |
| <b>For Pre-Medical Students Only</b> |                                   |               |          |              |
| BSI-221                              | Multivariable Calculus            | 3             | 0        | 3            |
| <b>Credit Hours (Pre-Engg.)</b>      |                                   | <b>15</b>     | <b>9</b> | <b>18</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                   | <b>17</b>     | <b>4</b> | <b>21</b>    |

| Semester 5                 |                                      | Contact hours |          | Credit hours |
|----------------------------|--------------------------------------|---------------|----------|--------------|
| Course Code                | Course Title                         | Lecture       | Lab.     | Total        |
| CS-302                     | Computer Networks                    | 2             | 3        | 3            |
| DS-301                     | Data Mining                          | 2             | 3        | 3            |
| CS-303                     | Analysis of Algorithms               | 3             | 0        | 3            |
| CS-XXX                     | Elective Supporting (Social Science) | 3             | 0        | 3            |
| CS-304                     | Information Security                 | 3             | 0        | 3            |
| CS-XXX                     | Domain Elective - II                 | 2             | 3        | 3            |
|                            |                                      |               |          |              |
| <b>Total Contact Hours</b> |                                      | <b>15</b>     | <b>9</b> |              |
| <b>Total Credit Hours</b>  |                                      | <b>15</b>     | <b>3</b> | <b>18</b>    |

| Semester 7                 |                                          | Contact hours |           | Credit hours |
|----------------------------|------------------------------------------|---------------|-----------|--------------|
| Course Code                | Course Title                             | Lecture       | Lab.      | Total        |
| CS-400                     | Final Year Project - I                   | 0             | 9         | 3            |
| CS-402                     | Entrepreneurship                         | 2             | 0         | 2            |
| CS-401                     | Expository Writing                       | 3             | 0         | 3            |
| CS-XXX                     | Domain Elective - VI                     | 3             | 0         | 3            |
| DS-401                     | Data Warehousing & Business Intelligence | 2             | 3         | 3            |
| BSI-109                    | Ideology and Constitution of Pakistan    | 2             | 0         | 2            |
|                            |                                          |               |           |              |
| <b>Total Contact Hours</b> |                                          | <b>12</b>     | <b>12</b> |              |
| <b>Total Credit Hours</b>  |                                          | <b>12</b>     | <b>4</b>  | <b>16</b>    |

Codes XXX represents elective courses that will be chosen from the list of available electives.

| Semester 2                           |                                  | Contact hours |          | Credit hours |
|--------------------------------------|----------------------------------|---------------|----------|--------------|
| Course Code                          | Course Title                     | Lecture       | Lab.     | Total        |
| CS-104                               | Object Oriented Programming      | 3             | 3        | 4            |
| CS-105                               | Digital Logic Design             | 2             | 3        | 3            |
| CS-106                               | Database Systems                 | 3             | 3        | 4            |
| BSI-101                              | Islamic Studies                  | 2             | 0        | 2            |
| BSI-221                              | Multivariable Calculus           | 3             | 0        | 3            |
| BSI-203                              | Fehm-e-Quran-II                  | 1             | 0        | 1            |
| <b>For Pre-Medical Students Only</b> |                                  |               |          |              |
| BSI-120M                             | Maths-II (in place of BSI-221)   | 3             | 0        | Non Credit   |
| BSI-123                              | Calculus and Analytical Geometry | 3             | 0        | 3            |
| <b>Credit Hours (Pre-Engg.)</b>      |                                  | <b>14</b>     | <b>9</b> | <b>17</b>    |
| <b>Credit Hours (Pre-Medical)</b>    |                                  | <b>13</b>     | <b>3</b> | <b>16</b>    |

| Semester 4                 |                         | Contact hours |          | Credit hours |
|----------------------------|-------------------------|---------------|----------|--------------|
| Course Code                | Course Title            | Lecture       | Lab.     | Total        |
| DS-202                     | Data Visualization      | 2             | 3        | 3            |
| CS-206                     | Operating Systems       | 2             | 3        | 3            |
| DS-203                     | Advanced Statistics     | 3             | 0        | 3            |
| CS-204                     | Software Engineering    | 3             | 0        | 3            |
| CS-205                     | Artificial Intelligence | 2             | 3        | 3            |
| BSI-111                    | Linear Algebra          | 3             | 0        | 3            |
|                            |                         |               |          |              |
| <b>Total Contact Hours</b> |                         | <b>15</b>     | <b>9</b> |              |
| <b>Total Credit Hours</b>  |                         | <b>15</b>     | <b>3</b> | <b>18</b>    |

| Semester 6                 |                                       | Contact hours |          | Credit hours |
|----------------------------|---------------------------------------|---------------|----------|--------------|
| Course Code                | Course Title                          | Lecture       | Lab.     | Total        |
| DS-303                     | Parallel & Distributed Computing      | 2             | 3        | 3            |
| BSI-141                    | Communication and Presentation Skills | 3             | 0        | 3            |
| CS-XXX                     | Domain Elective - III                 | 2             | 3        | 3            |
| CS-XXX                     | Domain Elective - IV                  | 3             | 0        | 3            |
| CS-XXX                     | Domain Elective - V                   | 2             | 3        | 3            |
| BSI-181                    | Applied Physics                       | 3             | 0        | 3            |
|                            |                                       |               |          |              |
| <b>Total Contact Hours</b> |                                       | <b>15</b>     | <b>9</b> |              |
| <b>Total Credit Hours</b>  |                                       | <b>15</b>     | <b>3</b> | <b>18</b>    |

| Semester 8                 |                                     | Contact hours |           | Credit hours |
|----------------------------|-------------------------------------|---------------|-----------|--------------|
| Course Code                | Course Title                        | Lecture       | Lab.      | Total        |
| CS-400                     | Final Year Project - II             | 0             | 9         | 3            |
| CS-403                     | Ethical & Legal Issues in Computing | 2             | 0         | 2            |
| BSI-121                    | Civics and Community Engagment      | 2             | 0         | 2            |
| BSI-110                    | Pakistan Studies                    | 2             | 0         | 2            |
| CS-XXX                     | Domain Elective - VII               | 2             | 3         | 3            |
|                            |                                     |               |           |              |
| <b>Total Contact Hours</b> |                                     | <b>8</b>      | <b>12</b> |              |
| <b>Total Credit Hours</b>  |                                     | <b>8</b>      | <b>4</b>  | <b>12</b>    |

Total Credit Hours = 134

# Artificial Intelligence Program

## Peshawar Campus

### Introduction

The National Center of Artificial Intelligence, University of Engineering and Technology Peshawar was established in the year 2019. The Center was involved in producing highly skilled individuals through its internship and training programmes in coordination with Pakistan Engineering Council and National Vocational and Technical Training Commission. The BS AI programme is designed to give students in-depth information to equip them to recognize the complex problems and scenarios and solve them through their gained scientific knowledge and skills. The program will help develop the capacity and strength of human resources in the field of Artificial Intelligence. Its branches such as Machine Learning and Computer Vision have diverse applications in the modern age. On the other hand, challenging problems facing the AI paradigm are much greater than before including deep fakes and augmented voices. The Centre has adequate competent facilities which are available at both educational and professional level to equip students with skills and competence to counter these challenges. The programme of undergraduate contains course work in computing, statistics, mathematics, artificial neural networks, natural language processing, computer vision, machine learning, deep programming, genetic programming, evolutionary computation, pattern recognition, image, audio & visual signal processing, genetic algorithms and symbolic computation thus covering complete spectrum of Artificial Intelligence. In addition, the programme also aims to improve soft skills of the students which are equally important in this era including ethics, social responsibility, team work and technical writing.

The graduates from the programme will be capacitated with the knowledge and skills to do independent programming and coding. Moreover, they will be able to design and conduct their independent projects to make them independent financially. Further, they will not only be able to train and validate various AI algorithms but also be able to create, maintain and annotate the dataset and design and train their own AI algorithms.

### Academic Program

#### ➤ BS in Artificial Intelligence

#### Mission

To prepare graduates in Artificial Intelligence with a strong knowledge base, robust analytical skills, and a professional attitude. Through our qualified faculty, state-of-the-art facilities, and supportive environment, we aim to equip students to tackle real-world AI and Data Science challenges, engage in innovative research, and pursue entrepreneurial ventures.

#### Program Educational Objectives (POs)

**PEO-1:** Demonstrate sound Artificial Intelligence knowledge and skills.

**PEO-2:** Execute and manage teamwork, interpersonal skills, and professional growth.

**PEO-3:** Conduct professional practice considering societal, ethical, and environmental aspects.

Center contains one of its kind facilities, equipment and skilled HR enabling students to gain knowledge and hands-on skills in the field of Artificial Intelligence

The labs excel in the field of computer vision, machine learning, deep learning, artificial neural networking, cartesian genetic programming and convolution network to provide innovative solutions to various national and international levels problems through Artificial Intelligence. The center has significant computational and human resources to enable students gain sufficient knowledge and skills. The labs also excel in the fields of data mining, Internet of Things (IoT), remote sensing and machine learning thus providing applications of AI in interdisciplinary domains such as mineral resources extraction and early diagnosis of diseases in health sector which will inculcate inter-disciplinary approach among the students.

#### Research Projects and Facilities

The students will be provided with the facilities such as GPU computational resources, independent AI models development and knowledge to advance in the field of Artificial Intelligence. The students are given complex, and industry driven real world projects as a semester/ thesis problem to solve during the graduation problem.

### Associate Professors

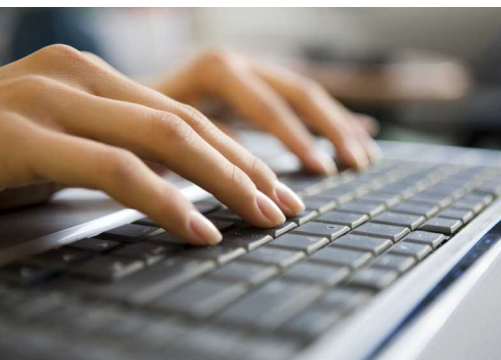
|                   |               |
|-------------------|---------------|
| Dr. Shahid Bashir | Ph.D. (UK)    |
| Dr. Shahzad Anwar | Ph.D. (UK)    |
| Dr. Sadiq Ali     | Ph.D. (Spain) |

### Assistant Professors

|                    |                     |
|--------------------|---------------------|
| Dr. Khan Muhammad  | Ph.D. (UK)          |
| Dr. Zeeshan Shafiq | Ph.D. (Pak)         |
| Dr. Suhail Yousaf  | Ph.D. (Netherlands) |

### Lecturers

|                       |             |
|-----------------------|-------------|
| Dr. Atif Jan          | Ph.D. (Pak) |
| Dr. Durre Nayab       | Ph.D. (Pak) |
| Engr. Sarmad Rafique  | M.Sc. (Pak) |
| Engr. Mansoor Khan    | M.Sc. (Pak) |
| Engr. Muhammad Farooq | M.Sc. (Pak) |



# Scheme of Studies

| Semester 1          |                                                    | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                       | Lecture       | Lab. | Total        |
| AI-102              | Programming Fundamentals                           | 3             | 3    | 4            |
| AI-143              | Information & Communication Technologies           | 2             | 3    | 3            |
| AI-103              | Discrete Structures                                | 3             | 0    | 3            |
| BSI-173             | Calculus and Analytic Geometry                     | 3             | 0    | 3            |
| BSI-133             | Functional English                                 | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                                     | 1             | 0    | 1            |
| BSI-110M            | Maths-I (Non-credit for Pre-Medical students only) | 3             | 0    | NC           |
| Total Contact Hours |                                                    | 15            | 9    |              |
| Total Credit Hours  |                                                    | 15            | 2    | 17           |

| Semester 3          |                              | Contact hours |      | Credit hours |
|---------------------|------------------------------|---------------|------|--------------|
| Course Code         | Course Title                 | Lecture       | Lab. | Total        |
| AI-203              | Data Structures & Algorithms | 3             | 3    | 4            |
| AI-305              | Information Security         | 2             | 3    | 3            |
| AI-303              | Artificial Intelligence      | 2             | 3    | 3            |
| BSI-101             | Islamic Studies              | 2             | 0    | 2            |
| AI-306              | Software Engineering         | 3             | 0    | 3            |
| BSI-351             | Probability & Statistics     | 3             | 0    | 3            |
| Total Contact Hours |                              | 15            | 9    |              |
| Total Credit Hours  |                              | 15            | 3    | 18           |

| Semester 5          |                               | Contact hours |      | Credit hours |
|---------------------|-------------------------------|---------------|------|--------------|
| Course Code         | Course Title                  | Lecture       | Lab. | Total        |
| AI-204              | Operating Systems             | 2             | 3    | 3            |
| AI-XXX              | Domain Core-III               | 2             | 3    | 3            |
| AI-XXX              | Domain Core-IV                | 2             | 3    | 3            |
| AI-XXX              | Domain Elective-I             | 2             | 3    | 3            |
| AI-XXX              | DOMAIN Elective-II            | 2             | 3    | 3            |
| XX-XXX              | Elective Supporting Course-II | 2             | 0    | 2            |
| Total Contact Hours |                               | 12            | 15   |              |
| Total Credit Hours  |                               | 12            | 5    | 17           |

| Semester 7          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| AI-401a             | Final Year Project-I            | 0             | 9    | 3            |
| AI-205              | Design & Analysis of Algorithms | 3             | 0    | 3            |
| AI-XXX              | Domain Elective-VII             | 2             | 3    | 3            |
| AI-XXX              | Elective Supporting Course-III  | 3             | 0    | 3            |
| AI-311              | Technical Writing               | 3             | 0    | 3            |
| AI-202              | Entrepreneurship                | 2             | 0    | 2            |
| Total Contact Hours |                                 | 13            | 12   |              |
| Total Credit Hours  |                                 | 13            | 4    | 17           |

| Semester 2          |                                                     | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                        | Lecture       | Lab. | Total        |
| AI-104              | Object Oriented Programming                         | 3             | 3    | 4            |
| AI-207              | Database Systems                                    | 3             | 3    | 4            |
| AI-105              | Digital Logic Design                                | 2             | 3    | 3            |
| BSI-122             | Calculus                                            | 3             | 0    | 3            |
| BSI-111             | Linear Algebra                                      | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                                     | 1             | 0    | 1            |
| BSI-120M            | Maths-II (Non-credit for Pre-Medical students only) | 3             | 0    | NC           |
| Total Contact Hours |                                                     | 15            | 9    |              |
| Total Credit Hours  |                                                     | 15            | 3    | 18           |

| Semester 4          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| AI-201              | Computer Organization & Assembly Language | 2             | 3    | 3            |
| AI-XXX              | Domain Core-I                             | 2             | 3    | 3            |
| AI-XXX              | Domain Core-II                            | 2             | 3    | 3            |
| BSI-181             | Applied Physics                           | 2             | 3    | 3            |
| XX-XXX              | Elective Supporting Course-I              | 3             | 0    | 3            |
| AI-302              | Computer Networks                         | 2             | 3    | 3            |
| Total Contact Hours |                                           | 13            | 15   |              |
| Total Credit Hours  |                                           | 13            | 5    | 18           |

| Semester 6          |                     | Contact hours |      | Credit hours |
|---------------------|---------------------|---------------|------|--------------|
| Course Code         | Course Title        | Lecture       | Lab. | Total        |
| AI-XXX              | Domain Core-V       | 2             | 3    | 3            |
| AI-XXX              | Domain Core-VI      | 2             | 3    | 3            |
| AI-XXX              | Domain Elective-III | 2             | 3    | 3            |
| AI-XXX              | Domain Elective-IV  | 2             | 3    | 3            |
| AI-XXX              | Domain Elective-V   | 2             | 3    | 3            |
| AI-XXX              | Domain Elective-VI  | 2             | 3    | 3            |
| Total Contact Hours |                     | 12            | 18   |              |
| Total Credit Hours  |                     | 12            | 6    | 18           |

| Semester 8          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| AI-401b             | Final Year Project-II                 | 0             | 9    | 3            |
| BSI-110             | Pakistan Studies                      | 2             | 0    | 2            |
| BSI-120             | Professional Ethics                   | 2             | 0    | 2            |
| XX-XXX              | Elective Supporting Course-IV         | 2             | 0    | 2            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| BSI-121             | Civics and Community Engagement       | 2             | 0    | 2            |
| Total Contact Hours |                                       | 10            | 9    |              |
| Total Credit Hours  |                                       | 10            | 3    | 13           |

Total Credit Hours = 136



# Artificial Intelligence Program

## Bannu Campus

### Introduction

The Department of Artificial Intelligence offers undergraduate courses leading to the award of Bachelor of Science in Artificial Intelligence (BS-AI). The BS-AI program gives the students an in-depth knowledge they need to transform large and complex scenarios into actionable decisions. The program and its curriculum focus on how complex inputs—such as knowledge, vision, language and huge databases — can be used to make decisions to enhance human capabilities. The curriculum of the BS-AI program includes coursework in computing, mathematics, automated reasoning, statistics, computational modeling, introduction to classical artificial intelligence languages and case studies, knowledge representation and reasoning, artificial neural networks, machine learning, natural language processing, vision and symbolic computation. The program also encourages students to take courses in ethics and social responsibility, with the opportunity to participate in long term projects in which artificial intelligence can be applied to solve problems that can change the world for the better—in areas like agriculture, defense, healthcare, governance, transportation, e-commerce, finance and education. Through a blend of theoretical exploration, hands-on projects, and exposure to industry practices, students will develop the skills to design, implement, and evaluate intelligent systems across various domains.

### Academic Programs

- BS (Artificial Intelligence)

### Mission

The mission of the Department is to provide a quality education in Artificial Intelligence in order to produce scientifically, technologically, and professionally competent graduates who are adept to perform a significant role in the continuing transformation of local and global society.

### List of Laboratories

The Department of Artificial Intelligence has well-equipped computer laboratories with latest PCs having the latest software and tools. These laboratories have also been connected with the Digital Resource Library of the HEC to provide latest resources and information to the students as well as to the faculty members of the department.

- Programing Laboratories
- High Performance Computing Laboratory
- Network Laboratory
- Hardware Laboratory
- Final year Project Laboratory

### Field Visits / Industrial Visits

Industrial visits are arranged to Islamabad, Lahore and Karachi on regular basis. The major objective of these visits is to enable the students to gain first-hand knowledge of the application supporting the courses.

### Study Tours

Study tours related to the courses offered are arranged for students during the semester. This helps them explore the practical aspects of their subjects alongside the theory taught.

### Internships

Department arranges internship during the summers for practical training of the students. Internships are arranged both in Government and Private sector organizations.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 36

### Program Coordinator

Dr. Mahmood Ahmad Ph.D. (China)

### Assistant Professor

Dr. Shafaat Ullah Ph.D. (Pak)

### Lecturers

Dr. Mahmood Ahmad Ph.D. (China)  
 Dr. Sakhi Zaman Ph.D. (Pak)  
 Dr. Mir Qad Ayaz Ph.D. (Pak)  
 Dr. Muhammad Taufiq Ph.D. (Pak)  
 Engr. M. Suleman Khan M. Sc (Pak)



# Cyber Security Program

## Peshawar Campus

### Introduction

The National Centre for Cyber Security, University of Engineering & Technology Peshawar (NCCS-UETP) was established in 2018 with three specialized labs: Security Testing, IoT Security, and Blockchain Security, aimed at securing Pakistan's cyberspace. Since its inception, the Centre has excelled in research and development, producing state-of-the-art tools, skilled professionals, and high-impact publications. In response to the growing threat landscape, there is an increasing demand for highly trained cybersecurity professionals. To meet this demand, NCCS-UETP plans to offer a Bachelor of Science in Cyber Security.

### Academic Programs

- BS (Cyber Security)

This program provides a comprehensive education in cybersecurity fundamentals such as risk management, cryptography, secure programming, and network defense. It emphasizes hands-on skills in ethical hacking, penetration testing, intrusion detection, and threat analysis. Graduates will be equipped to defend digital infrastructure and address evolving cybersecurity challenges across industries.

### Mission

To produce graduates with deep expertise in cybersecurity who can protect critical infrastructure, promote digital trust, and contribute to national and international cyber defense through excellence in education, research, and innovation.

### Program Educational Objectives (PEO's)

Following are the program educational objectives of the BS Cyber Security Program.

**PEO-1:** To produce knowledgeable and inventive information security engineers who can contribute intellectually and technically to industry, academia, and research.

**PEO-2:** To produce innovative engineers with strong analytical and problem-solving skills, equipped to tackle the challenges of the evolving information landscape.

**PEO-3:** To produce entrepreneurs who possess leadership abilities and effective communication skills, enabling them to develop impactful information security solutions for society.

**PEO-4:** To produce responsible graduates with high moral standards who can integrate ethical, legal and social implications to their occupation.

### Laboratories

NCCS-UETP hosts state-of-the-art Cyber Security lab equipped for malware analysis, penetration testing, and network security simulations. These facilities support hands-on learning aligned with global industry practices. Labs are integrated with the HEC Digital Library, offering access to cutting-edge

research resources for both students and faculty.

### Research

The NCCS-UETP is actively engaged in cutting-edge national and international research. Research domains include:

- Web Application and Mobile Application Security
- Penetration Testing and Automated Security Testing Techniques
- Digital Forensics and Malware Analysis
- Secure Communication Protocols
- Internet of Things (IoT) and Cloud Infrastructure Protection
- Blockchain and Distributed Ledger Security
- AI-Powered Intrusion Detection and Anomaly Detection Systems Cybersecurity for Smart Devices and Embedded Systems

### Field Visits / Industrial Exposure

Regular visits to cybersecurity firms, data centers, and national security agencies in Islamabad, Lahore, and Karachi offer practical exposure to students and bridge the gap between academia and industry.

### Training & Internships

NCCS-UETP offers hands-on cybersecurity training programs designed to equip students and professionals with in-demand skills in ethical hacking, digital forensics, and network defense. These programs prepare participants for global certifications and real-world cyber challenges.

Summer internships are arranged in collaboration with IT companies, law enforcement, and government organizations to provide practical exposure. The Centre also runs the Cyber Engineers Internship Program (CEIP)—a mentor-led, project-based initiative that prepares students for industry roles through intensive, structured training.

### Career Opportunities

Graduates of the BS Cyber Security program step confidently into a rapidly growing global job market, equipped with high-demand skills and international recognition. Career paths include:

- Security Analysts
- Penetration Testers
- Digital Forensics Experts
- Network Security Engineers
- SOC (Security Operations Center) Analyst
- Vulnerability Assessment Specialist
- Security Consultant

They may also pursue advanced studies or internationally recognized certifications to further specialize and expand their career opportunities.

### Program Coordinator

Prof. Dr. Sadeeq Jan Ph.D. (Luxembourg)

### Professors

Prof. Dr. Sadeeq Jan Ph.D. (Luxembourg)

### Assistant Professors

Dr. Safdar Nawaz Khan Marwat Ph.D. (Germany)

### Lecturers

Dr. Syed Misbah Un Noor Ph.D (Pak)  
Mr. Mohammad MS (Pak)  
Ms. Sana Khattak MS (Pak)

### Laboratory Engineers

Engr. Sami Ullah B.Sc. (Pak)  
Mr. Khayam Ullah B.Sc. (Pak)



# Scheme of Studies

| Semester 1          |                                                           | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                              | Lecture       | Lab. | Total        |
| CyS-101             | Applications of Information & Comm: Technologies          | 2             | 3    | 3            |
| CyS-102             | Programming Fundamentals                                  | 3             | 3    | 4            |
| CyS-103             | Discrete Structures                                       | 3             | 0    | 3            |
| BSI-101             | Islamic Studies                                           | 2             | 0    | 2            |
| BSI-133             | Functional English                                        | 3             | 0    | 3            |
| BSI-102             | Fehm-e-Quran-I                                            | 1             | 0    | 1            |
| BSI-110M            | Maths 1 (Non-Credit Course for Pre-Medical Students only) | 3             | 0    | NC           |
| Total Contact Hours |                                                           | 14            | 6    |              |
| Total Credit Hours  |                                                           | 14            | 2    | 16           |

| Semester 3          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| CyS-201             | Data Structures                           | 3             | 3    | 4            |
| CyS-202             | Introduction to Cyber Security            | 2             | 3    | 3            |
| CyS-203             | Computer Organization & Assembly Language | 2             | 3    | 3            |
| BSI-111             | Linear Algebra                            | 3             | 0    | 3            |
| BSI-221             | Multivariable Calculus                    | 3             | 0    | 3            |
| Total Contact Hours |                                           | 13            | 9    |              |
| Total Credit Hours  |                                           | 13            | 3    | 16           |

| Semester 5          |                        | Contact hours |      | Credit hours |
|---------------------|------------------------|---------------|------|--------------|
| Course Code         | Course Title           | Lecture       | Lab. | Total        |
| CyS-301             | Computer Networks      | 2             | 3    | 3            |
| CyS-302             | Digital Forensics      | 2             | 3    | 3            |
| CyS-303             | General Education - SS | 2             | 0    | 2            |
| CyS-XXX             | Domain Elective - I    | 2             | 3    | 3            |
| CyS-XXX             | Domain Elective - II   | 3             | 0    | 3            |
| CyS-XXX             | Domain Elective - III  | 2             | 3    | 3            |
| Total Contact Hours |                        | 13            | 12   |              |
| Total Credit Hours  |                        | 13            | 3    | 17           |

| Semester 7          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| CyS-401a            | Final Year Project - I                | 0             | 9    | 3            |
| CyS-402             | Parallel & Distributed Computing      | 2             | 3    | 3            |
| CyS-403             | Expository Writing                    | 3             | 0    | 3            |
| BSI-121             | Civics and Community Engagement       | 2             | 0    | 2            |
| CyS-XXX             | Domain Elective - VI                  | 2             | 3    | 3            |
| CyS-405             | Entrepreneurship                      | 2             | 0    | 2            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 13            | 15   |              |
| Total Credit Hours  |                                       | 13            | 5    | 18           |

Codes XXX represents elective courses that will be chosen from the list of available electives.

| Semester 2          |                                                           | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                              | Lecture       | Lab. | Total        |
| CyS-104             | Object Oriented Programming                               | 3             | 3    | 4            |
| CyS-105             | Database Systems                                          | 3             | 3    | 4            |
| CyS-106             | Digital Logic Design                                      | 2             | 3    | 3            |
| CyS-107             | Information Security                                      | 2             | 3    | 3            |
| BSI-123             | Calculus and Analytic Geometry                            | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                                           | 1             | 0    | 1            |
| BSI-120M            | Maths-2 (Non-Credit Course for Pre-Medical Students only) | 3             | 0    | NC           |
| Total Contact Hours |                                                           | 14            | 12   |              |
| Total Credit Hours  |                                                           | 14            | 4    | 18           |

| Semester 4          |                          | Contact hours |      | Credit hours |
|---------------------|--------------------------|---------------|------|--------------|
| Course Code         | Course Title             | Lecture       | Lab. | Total        |
| CyS-204             | Software Engineering     | 3             | 0    | 3            |
| CyS-205             | Operating Systems        | 2             | 3    | 3            |
| CyS-206             | Information Assurance    | 2             | 3    | 3            |
| CyS-207             | Analysis of Algorithms   | 3             | 0    | 3            |
| CyS-208             | Artificial Intelligence  | 2             | 3    | 3            |
| BSI-351             | Probability & Statistics | 3             | 0    | 3            |
| Total Contact Hours |                          | 15            | 9    |              |
| Total Credit Hours  |                          | 15            | 4    | 18           |

| Semester 6          |                                        | Contact hours |      | Credit hours |
|---------------------|----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                           | Lecture       | Lab. | Total        |
| CyS-304             | Network Security                       | 2             | 3    | 3            |
| CyS-305             | Professional Practices                 | 2             | 0    | 2            |
| CyS-306             | Secure Software Design and Development | 2             | 3    | 3            |
| BSI-173             | General Education - NS                 | 3             | 0    | 3            |
| CyS-XXX             | Domain Elective - IV                   | 3             | 0    | 3            |
| CyS-XXX             | Domain Elective - V                    | 2             | 3    | 3            |
| Total Contact Hours |                                        | 14            | 9    |              |
| Total Credit Hours  |                                        | 14            | 3    | 17           |

| Semester 8          |                              | Contact hours |      | Credit hours |
|---------------------|------------------------------|---------------|------|--------------|
| Course Code         | Course Title                 | Lecture       | Lab. | Total        |
| CyS-401b            | Final Year Project - II      | 0             | 9    | 3            |
| CyS-XXX             | Domain Elective - VII        | 2             | 3    | 3            |
| BSI-110             | Pakistan Studies             | 2             | 0    | 2            |
| CyS-406             | Elective Supporting – SS     | 3             | 0    | 3            |
| CyS-407             | Technical & Business Writing | 3             | 0    | 3            |
| Total Contact Hours |                              | 10            | 12   |              |
| Total Credit Hours  |                              | 10            | 4    | 14           |

Total Credit Hours = 134



# Department of Computer Science

## Jalozai Campus

### Introduction

The Department of Computer Science & Information Technology offers undergraduate and graduate courses leading to the award of Bachelor of Science and Master of Science in Computer Science respectively. It owes its emergence to the relentlessly growing demand of professionals with expertise in areas of computers, communications and information processing technologies. The Department of CS & IT enjoys full support of the engineering departments. Students work in laboratories equipped with state-of-art computer systems running a wide range of applications and specialized software supporting the courses. The department strongly supports the idea of using modern audio visual aids to enhance the learning capabilities of students and provides them a stimulating and challenging environment essential for high quality education. The graduates of this department will be able to meet the highest standards of training for leadership in computer science and information technology and to capitalize on the huge IT market of the 21st century. The Department of Computer Science & Information Technology is concerned with the theory, design, development and application of computer science and information processing techniques.

### Academic Programs

- BS (Computer Science)

### Mission

The mission of the CS & IT Department is:

- To educate undergraduate and graduate majors as well as the broader campus community in the fundamental concepts of the computing discipline, to create and disseminate computing knowledge and technology, and to use our expertise in computing to help solve societal problems.
- Excellence in research - achieved by tackling problems of real-world complexity - with the potential for significant long-term impact on the fields of computer science and multidisciplinary computing.
- Excellence in education by providing the nation with computer scientists having a

core of knowledge allowing them to adapt to a rapidly changing technology and providing industry, universities and government with the next generation of leaders in the field.

- Excellence in working with industry, government, educators and the community to advance computing and to serve the needs of these organizations and groups.

### List of Laboratories

The Department has computer laboratories, equipped with the latest development software and tools. These laboratories have also been connected with the Digital Resource Library of the HEC to provide latest resources and information to the students as well as to the faculty members of the department.

- Programing Laboratories
- High Performance Computing Laboratory
- Network Laboratory
- Hardware Laboratory
- Final year Project Laboratory

### Field Visits / Industrial Visits

Industrial visits are arranged to Islamabad, Lahore and Karachi on regular basis. The major objective of these visits is to enable the students gain first hand knowledge of the application and developments in their fields of specializations.

### Study Tour

Study tours related to the courses offered are arranged for students during the semester. This helps them explore the practical aspects of their subjects along side the theory taught.

### Internship

Department arranges internship during the summers for practical training of the students. Internships are arranged both in Government and Private sector organizations.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 30

### Chairman

Dr. Yousaf Khan Ph.D. (China)

### Associate Professor

Dr. Yousaf Khan Ph.D. (China)

### Assistant Professors

|                       |                 |
|-----------------------|-----------------|
| Dr. Malik Umar Sharif | Ph.D. (USA)     |
| Dr. Aamir Saeed       | Ph.D. (Denmark) |
| Dr. Rabia Shahid      | Ph.D. (USA)     |
| Dr. Laeeq Ahmed       | Ph.D. (Sweden)  |
| Dr. Uzair Gilani      | Ph.D. (USA)     |
| Engr. Nadeem Ahmad    | M.Sc. (China)   |



# Department of Computer Science

## Abbottabad Campus

### Introduction

The Department of Computer Science, Abbottabad Campus offers undergraduate courses leading to the award of Bachelor of Science and Master of Science in Computer Science respectively. It owes its emergence to the relentlessly growing demand of professionals with expertise in areas of computers, communications and information processing technologies. The Department of CS & IT enjoys full support of the engineering departments. Students work in laboratories equipped with state-of-art computer systems running a wide range of applications and specialized software supporting the courses. The department strongly supports the idea of using modern audio visual aids to enhance the learning capabilities of students and provides them a stimulating and challenging environment essential for high quality education. The graduates of this department will be able to meet the highest standards of training for leadership in computer science and information technology and to capitalize on the huge IT market of the 21st century. The Department of Computer Science & Information Technology is concerned with the theory, design, development and application of computer science and information processing techniques.

### Academic Programs

- BS (Computer Science)

### Mission

The mission of the Department is:

- To educate undergraduate and graduate majors as well as the broader campus community in the fundamental concepts of the computing discipline, to create and disseminate computing knowledge and technology, and to use our expertise in computing to help solve societal problems.
- Excellence in research - achieved by tackling problems of real-world complexity - with the potential for significant long-term impact on the fields of computer science and multidisciplinary computing.
- Excellence in education by providing the nation with computer scientists having a

core of knowledge allowing them to adapt to a rapidly changing technology and providing industry, universities and government with the next generation of leaders in the field.

- Excellence in working with industry, government, educators and the community to advance computing and to serve the needs of these organizations and groups.

### List of Laboratories

The Department has computer laboratories, equipped with the latest development software and tools. These laboratories have also been connected with the Digital Resource Library of the HEC to provide latest resources and information to the students as well as to the faculty members of the department.

- Programing Laboratories
- High Performance Computing Laboratory
- Network Laboratory
- Hardware Laboratory
- Final year Project Laboratory

### Field Visits / Industrial Visits

Industrial visits are arranged to Islamabad, Lahore and Karachi on regular basis. The major objective of these visits is to enable the students gain first hand knowledge of the application and developments in their fields of specializations.

### Study Tour

Study tours related to the courses offered are arranged for students during the semester. This helps them explore the practical aspects of their subjects along side the theory taught.

### Internship

Department arranges internship during the summers for practical training of the students. Internships are arranged both in Government and Private sector organizations.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 30

### Program Coordinator

Engr. M. Fayyaz Khan M.Sc. (Pak)

### Assistant Professor

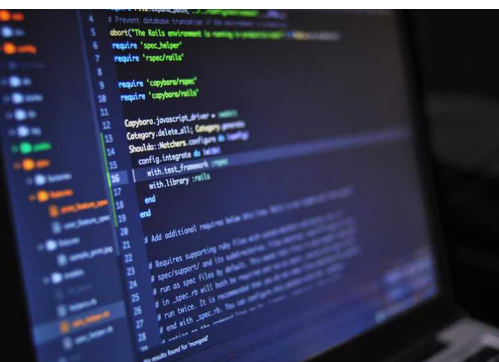
Engr. M. Fayyaz Khan M.Sc. (Pak)

### Lecturers

Engr. Munazza Razaq M.Sc.(Pak)  
Engr. Yasir Malik M.sc.(Pak & UK)

### Laboratory Engineer

Engr. Malak Adnan Khan M.Sc.(Pak)  
Dr. Muhammad Ayaz Ph.D. (Pak)  
Engr. Irshad Hussain M.Sc.(Pak)



# Department of Computer Science Bannu Campus

## Introduction

The Department of Computer Science & Information Technology offers undergraduate courses leading to the award of Bachelor of Science in Computer Science. It owes its emergence to the relentlessly growing demand of professionals with expertise in areas of computers, communications and information processing technologies. The Department of Computer Science enjoys full support of the engineering departments. Students work in laboratories equipped with state-of-art computer systems running a wide range of applications and specialized software supporting the courses. The department strongly supports the idea of using modern audio visual aids to enhance the learning capabilities of students and provides them a stimulating and challenging environment essential for high quality education. The graduates of this department will be able to meet the highest standards of training for leadership in computer science and information technology and to capitalize on the huge IT market of the 21st century. The Department of Computer Science is concerned with the theory, design, development and application of computer science and information processing techniques.

## Academic Programs

- BS (Computer Science)

## Mission

The mission of the CS Department is:

- To educate undergraduate and graduate majors as well as the broader campus community in the fundamental concepts of the computing discipline, to create and disseminate computing knowledge and technology, and to use our expertise in computing to help solve societal problems.
- Excellence in research - achieved by tackling problems of real-world complexity - with the potential for significant long-term impact on the fields of computer science and multidisciplinary computing.

- Excellence in education by providing the nation with computer scientists having acore of knowledge allowing them to adapt to a rapidly changing technology and providing industry, universities and government with the next generation of leaders in the field.
- Excellence in working with industry, government educators and the community to advance computing and to serve the needs of these organizations and groups.

## List of Laboratories

The Department has computer laboratories, equipped with the latest development software and tools. These laboratories have also been connected with the Digital Resource Library of the HEC to provide latest resources and information to the students as well as to the faculty members of the department.

- Programing Laboratories
- High Performance Computing Laboratory
- Network Laboratory
- Hardware Laboratory

## Field Visits / Industrial Visits

Industrial visits are arranged to Islamabad, Lahore and Karachi on regular basis. The major objective of these visits is to enable the students gain first-hand knowledge of the application and developments in their fields of specializations.

## Study Tour

Study tours related to the courses offered are arranged for students during the semester. This helps them explore the practical aspects of their subjects alongside the theory taught.

## Internship

Department arranges internship during the summers for practical training of the students. Internships are arranged both in Government and Private sector organizations.

## Scheme of Studies

For Scheme of Studies, please refer to page No. 30

## Program Coordinator

Engr. Bilal Pirzada M.Sc. (Pak)

## Assistant Professors

Engr. Bilal Pirzada M.Sc. (Pak)  
Dr. Shafaat Ullah Ph.D. (Pak)

## Lecturers

Dr. Salman Aatif Ph.D. (China)  
Engr. Muhammad Riaz M.Sc. (Pak)  
Engr. M. Suleman Khan M.Sc. (Pak)





# FACULTY OF MECHANICAL, CHEMICAL AND INDUSTRIAL ENGINEERING



## MESSAGE FROM DEAN

The Faculty of Mechanical, Chemical and Industrial Engineering (FMCIE) is one of the dynamic faculties of UET Peshawar. The faculty consists of seven teaching departments, including disciplines of mechanical, industrial, chemical, mechatronics and energy engineering. These departments are spread over Main Campus, Jalozei Campus and Hayatabad Campus. In addition, the faculty also houses state of the art research centers in energy, robotics, rapid prototyping, and gas engineering Lab. The faculty comprises teaching faculty trained from the universities of international repute who are well-qualified and dedicated to teaching and research in their respective areas. The blend of facilities for teaching and research, both for undergraduate and postgraduate programs creates an excellent learning environment for our students.

We consider students as our asset and leave no stone unturned to groom them to the best of their potential, and send them to the market/society to play their role for socio-economic development of the country. All the B.Sc. Engineering Programs in the FMCIE are accredited by PEC under Washington Accord (Level II) which pave the way for our graduates to enter global job market.

Our Alumni are working in their respective professional areas across the globe and providing excellent feedback for Continual Quality Improvement (CQI) of our programs. The excellent integration of alumni, students, faculty members and industry under Outcome-Based Education (OBE) ensures sustainable CQI of the programs and makes them attractive for prospective students.

I thank you for visiting us and welcome all our prospective students to join us and be part of our family. Give us a chance to get yourselves prepared for challenges ahead and achieve your dreams.

**Prof. Dr. Rizwan M. Gul**  
Dean, Faculty of Mechanical, Chemical  
and Industrial Engineering

## Mission Statement

To produce well-rounded engineers with professional and ethical skills, through transfer of broad and in-depth theoretical and experimental knowledge, enabling them to resolve complex engineering problems for sustainable development.

# Department of Mechanical Engineering

## Peshawar Campus

### Introduction

The Department of Mechanical Engineering was established in 1952, as a constituent part of then an Engineering College of University of Peshawar.

The field of Mechanical Engineering helps design, manufacture and maintain mechanical systems that cater to the needs of human society by the application of principles of engineering and allied sciences. The breadth of Mechanical Engineering ranges from the design and manufacturing of simple devices like injection catheters, switches and sensors to the high tech machines such as intelligent cars, power plants, satellites; the list is inexhaustible and the horizons limitless.

The core of Mechanical Engineering encompasses the generation, conversion and utilization of mechanical and thermal energy, design of components and systems, and application of economically viable manufacturing and quality control processes. Mechanical Engineering is a diverse field that ingrains the cross cutting innovations in all fields of engineering and sciences. The Mechanical Engineering education therefore prepares a versatile engineer who is ready to take up the challenges of the ever changing world of technology.

### Academic Programs

- B.Sc. Mechanical Engineering
- M.Sc. Mechanical Engineering
- Ph.D. Mechanical Engineering

### Mission

To develop graduates with relevant skills through transfer of broad, and in-depth knowledge, enabling them to contribute towards solution of complex industrial problems for sustainable development.

### Program Educational Objectives (PEO's)

The objectives of Mechanical Engineering B.Sc. program are to produce graduates who are able to:

**PEO-1:** Adopt challenging careers in the field of Mechanical Engineering with their professional competence for solution to engineering problems.

**PEO-2:** Pursue advanced education, research, and development for achieving innovation in engineering and technology.

**PEO-3:** Assume leadership position within an organization, in compliance with ethical, societal, economic, and environmental practices, for sustainable development.

### List of Laboratories

Practical work in laboratories forms an essential part of the curriculum. Almost all subjects taught are augmented by experiments in the laboratories.

- Fluid Mechanics Lab
- Heat Transfer and HVAC Lab
- Thermodynamics Lab
- Mechanics of Materials Lab
- Mechatronics Lab
- Advanced Manufacturing Lab
- Mechanics of Machines and Vibration Lab
- Measurement, Instrumentation and Control Lab
- Metallurgy Lab
- Power Plants and IC Engines Lab
- Engineering Mechanics Lab
- Engineering Workshops
- Advanced Materials Research Lab
- Gas Engineering Lab
- Vehicle Testing Lab
- CAD Labs (I & II)

### Field Visits / Industrial Visits

The faculty and the students are constantly in touch with various industries. For the purpose of industrial exposure to the students, study trips are arranged. These visits enable the students to gain practical knowledge of industry. The department continuously and efficiently works to consolidate the University-Industry collaboration.

### Internship

Industrial internship is required for the students, and the duration of internship is as per the regulations set by the Pakistan Engineering Council (PEC), thereby ensuring compliance with the professional standards and industry expectations. Mechanical Engineering students are offered the opportunity to accomplish their summer internships at various reputed industries in the country. Maximum number of students are facilitated and guided each year by the Department Career Resource Centre in collaboration with Career Development Centre for internship in different industries of the country.

### Research

Faculty is actively involved in research in the areas of Design, Materials, Manufacturing, Renewable Energy, CFD and Nanotechnology.

### Placement Opportunities

Graduates of Mechanical Engineering Department have wide range of opportunities to start their careers in various public and private sector industries including Pakistan Atomic Energy Commission, Pakistan Ordnance Factories, Heavy Industries Taxila, Heavy Mechanical Complex, Pakistan Railways, Pakistan Tobacco Company, Oil and Gas Industries, WAPDA, Cement Industries, Sugar Mills and Steel Mills etc.

The following scheme of codes is followed for the Mechanical Engineering courses/subjects appearing in the scheme of studies.

- The first two alphabets in the course code indicate the program, for example ME for Mechanical Engineering.
- The first digit in the course code indicates the academic year during which the course is offered, for example, 1 for year one of the program.
- The second digit indicates the stream to which the course belongs, as shown in the Table below.
- The third digit indicates the sequence of the course in the respective stream of that year.

| Second Digit | Stream                         |
|--------------|--------------------------------|
| 0            | General Mechanical Engineering |
| 1            | Design and Materials           |
| 2            | Thermo-fluid                   |
| 3            | Control Engineering            |
| 4            | Manufacturing and Management   |

Example: Code for the subject "Mechanics of Materials-I" could be read as follows:

ME-212: Mechanical Engineering, year 2, Design and Materials stream (1), sequence number 2 (in the respective stream of year 2).

## FACULTY

### Chairman

Prof. Dr. Hamid Ullah Ph.D. (Thailand)

### Professors

Prof. Dr. Rizwan M. Gul Ph.D. (USA)  
 Prof. Dr. Hamid Ullah Ph.D. (Thailand)  
 Prof. Dr. Afzal Khan D.Sc (USA)  
 Prof. Dr. Abdul Shakoor Ph.D. (UK)  
 Prof. Dr. Shaikat Ali Shah Ph.D. (Thailand)  
 Prof. Dr. Muhammad Sadiq Ph.D. (USA)

### Associate Professors

Dr. Feroz Shah Ph.D. (Pak)  
 Dr. M. Ali Kamran Ph.D. (UK)  
 Dr. Kareem Akhter Ph.D. (USA)

### Assistant Professors

Dr. M. AlamZaib Khan Ph.D. (UK)  
 Dr. Umar Ibrahim Ph.D. (USA)  
 Engr. Ihsan Ullah M.Sc. (Pak)  
 Dr. Naveed Ullah Ph.D. (S.Korea)  
 Dr. Naveed Ahmad Ph.D. (France)  
 Dr. Zeeshan Zahir Ph.D. (S.Korea)  
 Dr. Arshad Mehmood Ph.D. (USA)  
 Dr. Ahmad Nawaz Ph.D. (Hong Kong)

### Lecturers

Dr. Tabassum Yasmin Ph.D. (UK)  
 Dr. Fakhre Alam Ph.D. (S.Korea)  
 Engr. Zuhaib Ali Khan M.Sc. (Pak)  
 Engr. Fazli Yazdan M.Sc. (Pak)  
 Engr. Adnan Rasheed M.Sc. (Pak)  
 Engr. Numan Khan M.Sc. (Pak)  
 Engr. Awais Ahmad M.Sc. (KSA)  
 Engr. Arsalan Khan M.Sc. (Pak)  
 Engr. Qazi M. Yaseen M.Sc. (Pak)  
 Engr. Shafi-ud-Din M.Sc. (Pak)  
 Engr. M. Usman Khan M.Sc. (Pak)  
 Engr. Kaleem Ullah Khalil M.Sc. (Pak)  
 Engr. Ismail Khan M.Sc. (Pak)

### Laboratory Engineers

Engr. Asim Ahmad Riaz M.Sc. (Pak)  
 Dr. Abid Hussain Ph.D. (Pak)  
 Engr. Nadeem ur Rehman B.Sc. (Pak)



# Scheme of Studies

| Semester 1          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| CS-101              | Applications of ICT                   | 2             | 3    | 3            |
| ME-141              | Workshop Practice                     | 1             | 3    | 2            |
| BSI-101             | Islamic Studies                       | 2             | 0    | 2            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| EE-158              | Electrical Engineering                | 2             | 0    | 2            |
| BSI-133             | Functional English                    | 3             | 0    | 3            |
| BSI-181             | Applied Physics                       | 2             | 0    | 2            |
| BSI-181L            | Applied Physics Lab                   | 0             | 3    | 1            |
| Total Contact Hours |                                       | 14            | 9    |              |
| Total Credit Hours  |                                       | 14            | 3    | 17           |

| Semester 3          |                                         | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                            | Lecture       | Lab. | Total        |
| BSI-112             | Linear Algebra & Differential Equations | 3             | 0    | 3            |
| ME-211              | Computer Aided Drawing (CAD)            | 0             | 6    | 2            |
| ME-212              | Mechanics of Materials-I                | 3             | 0    | 3            |
| ME-221              | Fluid Mechanics-I                       | 3             | 0    | 3            |
| ME-222              | Thermodynamics-I                        | 3             | 0    | 3            |
| ME-231              | Engineering Mechanics-II (Dynamics)     | 2             | 0    | 2            |
| ME-231L             | Engineering Mechanics Lab               | 0             | 3    | 1            |
| BSI-203             | Fehm-e-Quran-II                         | 1             | 0    | 1            |
| Total Contact Hours |                                         | 15            | 9    |              |
| Total Credit Hours  |                                         | 15            | 3    | 18           |

| Semester 5          |                                             | Contact hours |      | Credit hours |
|---------------------|---------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                | Lecture       | Lab. | Total        |
| ME-301              | Engineering Economics (Social Sci Elective) | 2             | 0    | 2            |
| ME-311              | Design of Machine Elements-I                | 2             | 0    | 2            |
| ME-321              | Thermodynamics-II                           | 2             | 0    | 2            |
| ME-321L             | Thermodynamics Lab                          | 0             | 3    | 1            |
| ME-331              | Mechanics of Machines                       | 2             | 0    | 2            |
| ME-332              | Mechanical Vibrations                       | 2             | 0    | 2            |
| ME-332L             | Mechanics of Machines & Vibration Lab       | 0             | 3    | 1            |
| ME-341              | Manufacturing Processes                     | 2             | 0    | 2            |
| ME-341L             | Manufacturing Processes Lab                 | 0             | 3    | 1            |
| BSI-351             | Probability and Statistics (Math Elective)  | 3             | 0    | 3            |
| Total Contact Hours |                                             | 15            | 9    |              |
| Total Credit Hours  |                                             | 15            | 3    | 18           |

| Semester 7          |                                              | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                 | Lecture       | Lab. | Total        |
| ME-411              | Final Year Design Project-I                  | 0             | 9    | 3            |
| ME-421              | Heating, Ventilation & Air Conditioning      | 3             | 0    | 3            |
| ME-441              | Production Automation (Technical Elective-I) | 2             | 0    | 2            |
| ME-441L             | Production Automation Lab                    | 0             | 3    | 1            |
| ME-442              | Project Management                           | 2             | 0    | 2            |
| ME-443              | Reverse Engineering & Inspection Techniques  | 2             | 0    | 2            |
| ME-443L             | Reverse Engg. & Inspection Techniques Lab    | 0             | 3    | 1            |
| XXXX                | Applied AI & Machine Learning                | 2             | 0    | 2            |
| XXXX                | Applied AI & Machine Learning Lab            | 0             | 3    | 1            |
| Total Contact Hours |                                              | 11            | 18   |              |
| Total Credit Hours  |                                              | 11            | 6    | 17           |

XXXX Codes will be assigned by the relevant department

| Semester 2          |                                                | Contact hours |      | Credit hours |
|---------------------|------------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                   | Lecture       | Lab. | Total        |
| BSI-110             | Pakistan Studies                               | 2             | 0    | 2            |
| ME-111              | Engineering Mechanics-I (Statics)              | 3             | 0    | 3            |
| ME-112              | Engineering Drawing and Graphics               | 1             | 0    | 1            |
| ME-112L             | Engineering Drawing and Graph Lab              | 0             | 3    | 1            |
| ME-101              | Computer Systems & Programming                 | 2             | 3    | 3            |
| BSI-143             | Communication & Presentation Skills (Hum Elec) | 2             | 0    | 2            |
| BSI-123             | Calculus and Analytical Geometry               | 3             | 0    | 3            |
| XXXX                | Electronics Engineering                        | 2             | 0    | 2            |
| XXXX                | Electrical & Electronics Engg. Lab             | 0             | 3    | 1            |
| BSI-102             | Fehm-e-Quran-I                                 | 1             | 0    | 1            |
| Total Contact Hours |                                                | 16            | 9    |              |
| Total Credit Hours  |                                                | 16            | 3    | 19           |

| Semester 4          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| ME-213              | Mechanics of Materials-II       | 3             | 0    | 3            |
| ME-213L             | Mechanics of Materials Lab      | 0             | 3    | 1            |
| ME-214              | Engineering Metallurgy          | 2             | 0    | 2            |
| ME-214L             | Engineering Metallurgy Lab      | 0             | 3    | 1            |
| ME-223              | Fluid Mechanics-II              | 2             | 0    | 2            |
| ME-223L             | Fluid Mechanics Lab             | 0             | 3    | 1            |
| BSI-242             | Numerical Analysis              | 2             | 3    | 3            |
| ME-201              | Expository Writing              | 3             | 0    | 3            |
| BSI-121             | Civics and Community Engagement | 2             | 0    | 2            |
| Total Contact Hours |                                 | 14            | 12   |              |
| Total Credit Hours  |                                 | 14            | 4    | 18           |

| Semester 6          |                                     | Contact hours |      | Credit hours |
|---------------------|-------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                        | Lecture       | Lab. | Total        |
| ME-312              | Design of Machine Elements-II       | 2             | 0    | 2            |
| ME-313              | Materials Engineering               | 3             | 0    | 3            |
| ME-314              | Finite Element Methods              | 2             | 3    | 3            |
| ME-322              | Internal Combustion Engines         | 2             | 0    | 2            |
| ME-323              | Heat and Mass Transfer              | 3             | 0    | 3            |
| ME-333              | Mechatronics & Robotics Engineering | 2             | 0    | 2            |
| ME-333L             | Mechatronics & Robotics Engg. Lab   | 0             | 3    | 1            |
| BSI-362             | Complex Variables and Transforms    | 2             | 0    | 2            |
| Total Contact Hours |                                     | 16            | 6    |              |
| Total Credit Hours  |                                     | 16            | 2    | 18           |

| Semester 8          |                                            | Contact hours |      | Credit hours |
|---------------------|--------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                               | Lecture       | Lab. | Total        |
| ME-401              | Occupational Health and Safety             | 2             | 0    | 2            |
| ME-402              | Entrepreneurship                           | 1             | 0    | 1            |
| ME-412              | Final Year Design Project-II               | 0             | 9    | 3            |
| ME-421L             | Heat Transfer and HVAC Lab                 | 0             | 3    | 1            |
| ME-422              | Power Plants (Technical Elective-II)       | 2             | 0    | 2            |
| ME-422L             | Power Plants & IC Engines Lab              | 0             | 3    | 1            |
| ME-431              | Control Engineering                        | 2             | 0    | 2            |
| ME-432              | Measurement and Instrumentation            | 2             | 0    | 2            |
| ME-432L             | Measurement, Instrumentation & Control Lab | 0             | 3    | 1            |
| Total Contact Hours |                                            | 9             | 18   |              |
| Total Credit Hours  |                                            | 9             | 6    | 15           |

Grand Total Credit Hours = 140



## Department of Mechanical Engineering Jalozai Campus

### Introduction

The knowledge of mechanical engineering is used to build useful products and devices for society. This can range from a device as small as a catheter injected into the human body, to a fax machine or printer, to a modern jet engine, to as large as a power plant for a major city.

Mechanical engineering encompasses the generation, conversion, transmission, and utilization of mechanical and thermal energy. This includes design, construction, and operation of all kinds of mechanical and thermal devices and systems. Of all the engineering disciplines, Mechanical Engineering offers the greatest breadth, flexibility, and individuality. Indeed, Mechanical Engineering education is an ideal preparation for working and living in a technological world.

### Academic Program

- B.Sc. Mechanical Engineering

### List of Laboratories

- Mechanics of Materials Laboratory
- Hydraulics & Fluid Mechanics Laboratory
- Production Automation Laboratory
- Metallurgy Laboratory
- Power Plant Laboratory
- Diesel Engine Simulation Laboratory
- Automotive A/C System Laboratory
- Modular Fluid Power Laboratory
- Fluid Power Learning Laboratory

- Hydraulics & Pneumatics Laboratory
- Automotive Troubleshooting Laboratory
- Heat Transfer Laboratory
- Thermodynamics Laboratory
- Mechanics of Machine & Vibration Lab.
- Computer Laboratory
- Engineering Mechanics Laboratory

### Field Visits / Industrial Visits

Industrial visits are regularly conducted every year to broaden the horizon of students and to appraise them with the industry of Pakistan.

### Research

Faculty is actively involved in research in the areas of vibration, design, stress analysis, materials engineering, impact analysis, mechanisms and applications of artificial Intelligence in mechanical engineering.

### Scheme of Studies

For Scheme of Studies, please refer to page No. 42

### Chairman

Dr. Nadeem Khan Ph.D. (USA)

### Assistant Professors

Dr. Haider Ali Ph.D. (UK)  
Dr. Nadeem Khan Ph.D. (USA)  
Dr. Majid Baseer Ph.D. (France)

### Lecturers

Dr. Arshad Ali Khan Ph.D. (Pak)  
Engr. Syed Rooh Ullah Jan M.Sc. (Pak)  
Engr. Fakhru Islam M.Sc. (Pak)  
Engr. Mubashir Hayat M.Sc. (Pak)  
Engr. Fawad Khan M.Sc. (Pak)  
Engr. Asnaf Aziz M.Sc. (Sweden)

### Laboratory Engineers

Engr. Saqib Khan M.Sc. (Pak)



## Department of Mechatronics Engineering Peshawar Campus

### Introduction

Mechatronics Engineering is a relatively new field of study, and just like anything new, it draws both interest and skepticism. Many students, and parents alike, find it difficult to appreciate the importance of this field and the promise that it holds for the future. In very plain and simple words, Mechatronics Engineering is mostly about intelligent automation of manual labor. It is an integration of three different disciplines of Engineering - Mechanical, Electrical and Computer Engineering, and is driven mostly by the needs of modern industries, and the equipment and appliances that we come across in our daily lives; which are mostly electro-mechanical and are controlled by some kind of an embedded systems. So whether it is the air conditioner in your room, the ATM machine that you use to withdraw cash, the car that you drive around, your household cleaning robot, if you are lucky to have one, or the bottling plant at your favorite beverage company or any modern industry for that matter- you are looking at Mechatronics in action. Mechatronics Engineers are primarily trained to ensure the efficient operation of any modern industry. However, their skills and knowledge can be utilized in numerous other fields, such as, Biomedical Engineering, the design and development of unmanned, autonomous systems etc.

The Department of Mechatronics Engineering was established in 2007 as an HEC funded project. It is located in Phase V of the Hayatabad township of Peshawar metropolis. Students are provided with a free shuttle service to the Main Campus of UET Peshawar. The Department has a highly qualified and experienced faculty, around 75% of whom have received their PhD in relevant disciplines from well reputed international universities, whereas the remaining are working towards their PhD. Despite being one of the youngest departments of UET Peshawar, we feel proud to announce that many of our graduates are working at some of the most prestigious organizations both in and outside Pakistan, i.e., Schlumberger, PepsiCo, British American Tobacco Company, Tetra Pak, Bestway, and Atlas Honda etc., while many more are pursuing their higher education in some of the best universities in Europe, Australia, the Far East and North America.

### Academic Programs

- B.Sc. Mechatronics Engineering
- M.Sc. Mechatronics Engineering with specialization in Automation and Control
- Ph.D. Mechatronics Engineering

### Mission

At the Department of Mechatronics Engineering, our mission is,

"To produce well-rounded Mechatronics engineers, with the right set of skills developed through the transfer of broad and in-depth engineering knowledge and hands on practical work, enabling them to

contribute positively towards solving real life problems, and utilizing research tools and methodologies for sustainable development."

### Program Educational Objectives (PEO's)

In order to accomplish our mission, we strive to achieve the following Program Education Objectives (PEOs) that we have set for our B.Sc. degree program in Mechatronics Engineering. We endeavor to train our graduates so that they are:

**PEO-1:** Successful Mechatronics Engineers with continuous improvement in skills and tools, a strong inclination towards research and actively seeking out leadership roles in the Engineering domain and/or in society.

**PEO-2:** Ethically strong, socially and environmentally responsible Mechatronics Engineers.

**PEO-3:** Professional Mechatronics Engineers, who demonstrate high levels of competence, due diligence and professionalism.

### List of Laboratories

In order to achieve its objectives, the department has a host of laboratory facilities to help hone the practical and hands-on skills of its students including the following:

- Electrical & Electronics Laboratory
- Microcontroller and Microprocessor Laboratory
- Mechatronics Design Laboratory
- Fabrication Shop
- Robotics Laboratory
- Instrumentation & Control Laboratory
- Manufacturing Automation Laboratory
- Computational Laboratory
- PLC Training Laboratory

### Field Visits / Industrial Visits

Industrial visits are an important component of our undergraduate degree program and are helpful in expanding students' horizons and knowledge. Each year, visits are arranged for students to various industries operating in different cities across Pakistan.

### Research

The Department's faculty is actively involved in research and has acquired many research grants from different organizations including, HEC, PSF, DoST, Planning Commission. Recently, through competitive bidding among universities from all over Pakistan, the Department of Mechatronics Engineering secured funding from the HEC to establish the Advanced Robotics and Automation Lab as a part of the National Center for Robotics and Automation. Moreover, the department is also hosting STEM lab funded by PSF and Technology, Innovation and Facilitation Center funded by the Planning commission of Pakistan.

### Chairman

Prof. Dr. M. Tahir Khan Ph.D. (Canada)

### Professors

Dr. S. Riaz Akbar Shah Ph.D. (USA)  
Dr. M. Tahir Khan Ph.D. (Canada)  
Dr. Faridullah Khan Ph.D. (Canada)  
Dr. Izhar-ul-Haq Ph.D. (UK)

### Associate Professors

Dr. Kamran Shah Ph.D. (UK)  
Dr. Shahzad Anwar Ph.D. (UK)

### Assistant Professors

Dr. Muhammad Akmal Ph.D. (Turkey)  
Dr. Sheraz Ali Khan Ph.D. (S. Korea)  
Dr. Anam Abid Ph.D. (Pak)

### Lecturers

Dr. Zubair Ahmad Ph.D. (Pak)  
Dr. Gulbadan Sikandar Ph.D. (Pak)  
Engr. Hamid Khan M.Sc. (Pak)  
Engr. Nayyar Fazal M.Sc. (Pak)  
Engr. Sadaf Sardar M.Sc. (Pak)



# Scheme of Studies

| Semester 1          |                                  | Contact hours |      | Credit hours |
|---------------------|----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                     | Theory        | Lab. | Total        |
| BSI-173             | Calculus and Analytical Geometry | 3             | 0    | 3            |
| MtE-104L            | Engineering Drawing              | 0             | 2    | 2            |
| MtE-110             | Electric Circuits Analysis       | 3             | 1    | 4            |
| BSI-101             | Islamic Studies                  | 2             | 0    | 2            |
| BSI-133             | Functional English               | 3             | 0    | 3            |
| MtE-119             | Occupational Health and Safety   | 1             | 0    | 1            |
| MtE-120             | Applications of ICT              | 2             | 1    | 3            |
| BSI-102             | Fehm-e-Quran-I                   | 1             | 0    | 1            |
| Total Contact Hours |                                  | 15            |      |              |
| Total Credit Hours  |                                  | 15            | 4    | 19           |

| Semester 3          |                                               | Contact hours |      | Credit hours |
|---------------------|-----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                  | Theory        | Lab. | Total        |
| BSI-111             | Linear Algebra                                | 3             | 0    | 3            |
| MtE-211             | Electronic Circuits Design                    | 3             | 1    | 4            |
| MtE-201             | Engineering Dynamics                          | 3             | 0    | 3            |
| MtE-207L            | Solid Modelling                               | 0             | 1    | 1            |
| MtE-221             | Materials & Manufacturing Processes           | 3             | 0    | 3            |
| MtE-232             | Object Oriented Programming & Data Structures | 2             | 1    | 3            |
| Total Contact Hours |                                               | 14            |      |              |
| Total Credit Hours  |                                               | 14            | 3    | 17           |

| Semester 5          |                                          | Contact hours |      | Credit hours |
|---------------------|------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                             | Theory        | Lab. | Total        |
| MtE-352             | Probability and Statistics for Engineers | 2             | 0    | 2            |
| MtE-318             | Microcontrollers and Embedded Systems    | 2             | 2    | 4            |
| MtE-342             | Design of Machine Elements               | 3             | 0    | 3            |
| MtE-317             | Transducers and Instrumentation          | 3             | 1    | 4            |
| MtE-309             | Modelling and Simulation                 | 2             | 1    | 3            |
| BSI-110             | Pakistan Studies                         | 2             | 0    | 2            |
| Total Contact Hours |                                          | 14            |      |              |
| Total Credit Hours  |                                          | 14            | 4    | 18           |

| Semester 7          |                            | Contact hours |      | Credit hours |
|---------------------|----------------------------|---------------|------|--------------|
| Course Code         | Course Title               | Theory        | Lab. | Total        |
| MtE-405             | Robotics                   | 3             | 1    | 4            |
| BSI-134             | Expository Writing         | 3             | 0    | 3            |
| MtE-XXX             | Technical Elective II***   | 3             | 0    | 3            |
| MtE-XXX             | Social Sciences Elective** | 2             | 0    | 2            |
| MtE-457             | Artificial Intelligence    | 1             | 1    | 2            |
| MtE-441L            | FYP                        | 0             | 3    | 3            |
| Total Contact Hours |                            | 12            |      |              |
| Total Credit Hours  |                            | 12            | 5    | 17           |

\* Arts and Humanities Electives \*\* Social Sciences Electives \*\*\* Technical Electives

## Arts and Humanities Electives (2+0)

Communication and Presentation Skills, Beginners Spanish, Elementary Arabic, Elementary French, History, Philosophy, Elementary Chinese, Professional Ethics

## Social Sciences Electives (2+0)

Sociology for Engineers, Social Psychology, Critical Thinking, Human Resource Management, Organizational Behaviour, Engineering Economics, Engineering Law, Applied Psychology, Engineering Management, Financial Management, Marketing, Management, Leadership and Personal Grooming.

## Technical Electives (3 Credit Hours)

Power Electronics, Mechanical Vibrations, Special Topics in Mechatronics, Digital Signal Processing, Digital Control Systems, Digital Image Processing, Power Plant Systems, Introduction to Systems Engineering,

| Semester 2          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Theory        | Lab. | Total        |
| BSI-231             | Differential Equations            | 3             | 0    | 3            |
| MtE-115             | Engineering Statics               | 2             | 0    | 2            |
| MtE-132             | Computer Programming              | 2             | 1    | 3            |
| BSI-181             | Applied Physics                   | 2             | 1    | 3            |
| MtE-XXX             | Arts and Humanities Elective*     | 2             | 0    | 2            |
| MtE-205             | Electronic Principles and Devices | 3             | 1    | 4            |
| MtE-113L            | Workshops                         | 0             | 1    | 1            |
| BSI-203             | Fehm-e-Quran-II                   | 1             | 0    | 1            |
| Total Contact Hours |                                   | 15            |      |              |
| Total Credit Hours  |                                   | 15            | 4    | 19           |

| Semester 4          |                                      | Contact hours |      | Credit hours |
|---------------------|--------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                         | Theory        | Lab. | Total        |
| BSI-221             | Multivariate Calculus and Transforms | 3             | 0    | 3            |
| MtE-226             | Actuating Systems                    | 3             | 1    | 4            |
| MtE-222             | Mechanics of Materials               | 2             | 1    | 3            |
| MtE-233             | Digital Logic Design                 | 2             | 1    | 3            |
| MtE-311             | Fluid Mechanics                      | 2             | 1    | 3            |
| MtE-323             | Theory of Machines                   | 2             | 0    | 2            |
| Total Contact Hours |                                      | 14            |      |              |
| Total Credit Hours  |                                      | 14            | 4    | 18           |

| Semester 6          |                                  | Contact hours |      | Credit hours |
|---------------------|----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                     | Theory        | Lab. | Total        |
| MtE-350             | Numerical Methods                | 2             | 0    | 2            |
| MtE-325             | Mechatronics Systems Design      | 2             | 2    | 4            |
| MtE-354             | Project Management               | 2             | 0    | 2            |
| MtE-XXX             | Technical Elective I***          | 3             | 0    | 3            |
| MtE-328             | Control Systems                  | 3             | 1    | 4            |
| MtE-346             | Fundamentals of Thermal Sciences | 2             | 0    | 2            |
| Total Contact Hours |                                  | 14            |      |              |
| Total Credit Hours  |                                  | 14            | 3    | 17           |

| Semester 8          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Theory        | Lab. | Total        |
| MtE-XXX             | Technical Elective III***             | 3             | 0    | 3            |
| MtE-422             | Industrial Automation                 | 2             | 1    | 3            |
| BSI-121             | Civics and Community Engagement       | 1             | 1    | 2            |
| MtE-458             | Entrepreneurship                      | 2             | 0    | 2            |
| MtE-441L            | FYP                                   | 0             | 3    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 10            |      |              |
| Total Credit Hours  |                                       | 10            | 5    | 15           |

Total Credit Hours = 140

Machine Vision, Advanced Artificial Intelligence, Precision Manufacturing, Energy Resources and Management, Fuzzy Logic Control, Mobile Robotics, Condition Monitoring, Laser and its Applications, Applied Robotics, Embedded Systems, Introduction to Machine Learning, Computer Integrated Manufacturing, Industry 4.0, Introduction to Biomedical Engineering, Product Design, Smart Electric Vehicles, Signals and Systems, Operating Systems, Computer Organization and Architecture, Database Management Systems, Game Development, Web Design and Development, Internet of Things, Bio-Mechatronics, Computer Aided Engineering, Digital Filter Design, Intelligent Systems, Advanced Control Systems, Automotive Technology, Data Communication and Networks, Applied Mobile Robotics, Aerial Robotics, Power Train Systems, Mechatronics Modeling for Automotive Systems, Electrical Instrumentation



# Department of Chemical Engineering Peshawar Campus

## Introduction

Chemical Engineering is the branch of engineering, which blends the knowledge of basic sciences with engineering to develop, design, analyze and engineer the industrial processes and plants that turn raw materials into valuable products. These processes must be accomplished in safe, cost effective and sustainable manner to create products, which are useful and essential to the modern world. Chemical Engineering is based upon the fundamentals of mass, momentum, and heat transfer, thermodynamics and chemical kinetics. Chemical Engineers are equipped with the necessary skills that encompass detailed understanding of all aspects of design, testing, scale-up, operation, control, and optimization of different unit operations. They are familiar with many industries such as petroleum and petrochemicals, plastics, fibers, paper, food processing, building materials, water desalination and pharmaceuticals. A Chemical Engineering degree is also a good preparation for careers in pollution prevention and waste minimization.

## Academic Programs

- B.Sc Chemical Engineering
- M.Sc Chemical Engineering
- Ph.D Chemical Engineering

## Mission

To produce graduates of excellent technical, professional and scientific background in chemical engineering for the benefits of global society to work with the industry and community to help in boosting national economy and professional well-being.

## The Program Educational Objectives (PEO's)

The undergraduate program in the department of chemical engineering embodies the following expected accomplishments of graduates,

**PEO-1.** Be engaged in advanced studies in chemical engineering or professional development towards continuing education opportunities related to their careers.

**PEO-2.** Be successful leaders in applying chemical engineering principles and techniques for continued industrial growth and sustainable development.

**PEO-3.** Be expected as a contributor with leading role to participate in the development of socio-economic environment of the community and society through their professional career and entrepreneurship.

## Field Visits / Industrial Visits

The Department is in close contact with government departments and private chemical industries. Field visits to chemical industries are arranged regularly, ranging across the whole country. Such field visits are found very helpful in broadening the vision of the students in the field of Chemical Engineering.

## Internship

Apart from academic activities, students are required to complete 08 weeks supervised practical training as part of the B.Sc. Chemical Engineering Degree. This practical training is arranged during summer vacations in various national and international organizations and chemical industries. The major fields of interest are petroleum refinery, gas processing, petrochemical, polymer, sugar, fertilizer, cement, glass, ceramic and other process industries. This training also helps students in the selection of their final year projects for addressing existing field oriented problems. Various companies including Oil and Gas Development Company Limited, MOL, Fauji Fertilizer Company, Bestway Cement, Cherat Cement, Attock Oil Refinery, Pakistan Ordinance Factory, PCSIR, Frontier Ceramics, Mari Petroleum, Pakistan Petroleum Limited and many other national and multi-national level companies offer internships to the students of department.

## Research

Chemical Engineering Department offers state-of-the-art equipment and high-tech laboratories to facilitate the undergraduate and postgraduate students in lab work and research projects to acquire the understanding of various chemical process by providing small-scale units and simulated industrial works environment.

Department of Chemical Engineering helps equip students with practical knowledge and troubleshooting skills through its various computer-controlled and upto-date laboratories such as Chemical Process Technology, Chemical Reaction Engineering, Chemistry, Environmental Engineering, Fluid Flow, Fuel and Combustion, Heat Transfer, Instrumentation and Control, mass Transfer, Particle Technology, Simultaneous Heat & mass Transfer (SHMT), Thermodynamics and advanced Process Simulation Laboratories.

## Placement Opportunities

There is a broad range of employment opportunities for Chemical Engineers, from large multi-national companies to small locally based companies, e.g. refineries, oil and gas fields, fertilizer industries, cement plants, ceramic and pharmaceutical industries. Graduates of this department are recognized as amongst the country's finest Chemical Engineers. The Department has so far produced around 900 engineers. Our graduates are working effectively in various chemical engineering related fields having highly attractive packages at both national and international level; most of them are holding responsible positions in public and private organizations. Some graduates are also making career in teaching and research by pursuing advanced studies abroad.

## Chairman

Prof. Dr. Saeed Gul Ph.D. (Austria)

## Professors

Prof. Dr. Saeed Gul Ph.D. (Austria)  
Prof. Dr. M. Younas Ph.D. (France)  
Prof. Dr. Muddasar Habib Ph.D. (UK)

## Associate Professors

Dr. Jamil Ahmad Ph.D. (Norway)  
Dr. Nehar Ullah Ph.D. (Canada)  
Dr. M. Imran Ahmad Ph.D. (UK)  
Dr. Hayat Khan Ph.D. (Canada)  
Dr. Muhammad Daud Ph.D. (KSA)  
Dr. Asmat Ullah Ph.D. (UK)

## Assistant Professors

Dr. Imran Khan Swati Ph.D. (Pak)  
Engr. Sultan Ali M.Sc. (Pak)  
Dr. Amad Ullah Khan Ph.D. (Pak)  
Dr. Muazzam Arshad Paracha Ph.D. (Austria)  
Dr. Irshad Ali Ph.D. (Canada)  
Dr. S. Naveed-ul-Hassan Ph.D. (Australia)  
Dr. Naseer Ahmad Khan Ph.D. (Australia)

## Lecturers

Dr. Mansoor-ul-Hassan Ph.D. (Malaysia)  
Dr. Saira Bano Ph.D. (UK)  
Engr. Unsia Habib M.Sc. (Pak)  
Engr. Wajid Ali M.Sc. (Pak)



# Scheme of Studies

| Semester 1          |                                              | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                 | Lecture       | Lab. | Total        |
| BSI-133             | Functional English                           | 2             | 0    | 2            |
| BSI-101             | Islamic Studies/Ethics                       | 2             | 0    | 2            |
| CHE-101             | Chemical Process Industries                  | 3             | 0    | 3            |
| ME-104L             | Engineering Drawing and Graphics             | 0             | 3    | 1            |
| BSI-118             | Inorganic & Organic Chemistry                | 2             | 0    | 2            |
| BSI-118L            | Inorganic & Organic Chemistry                | 0             | 3    | 1            |
| BSI-122             | Calculus                                     | 3             | 0    | 3            |
| CHE-143             | Information & communication technology (ICT) | 2             | 0    | 2            |
| CHE-143L            | Information & communication technology (ICT) | 0             | 3    | 1            |
| Total Contact Hours |                                              | 14            | 9    | 23           |
| Total Credit Hours  |                                              | 14            | 3    | 17           |

| Semester 3          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-111             | Linear Algebra                        | 3             | 0    | 3            |
| CHE-244             | Chemical Engg Principles-II           | 2             | 0    | 2            |
| CHE-209             | Chemical Engineering Thermodynamics-I | 2             | 0    | 2            |
| CHE-204             | Fluid Mechanics-I                     | 2             | 0    | 2            |
| CHE-205             | Particulate Technology                | 3             | 0    | 3            |
| CHE-205L            | Particulate Technology                | 0             | 3    | 1            |
| CHE-207             | Fuels & Energy                        | 2             | 0    | 2            |
| CHE-207L            | Fuels & Energy                        | 0             | 3    | 1            |
| BSI-203             | Fehm-e-Quran-II                       | 1             | 0    | 1            |
| Total Contact Hours |                                       | 15            | 6    | 21           |
| Total Credit Hours  |                                       | 15            | 2    | 17           |

| Semester 5          |                                              | Contact hours |      | Credit hours |
|---------------------|----------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                 | Lecture       | Lab. | Total        |
| CHE-430             | Environmental Engg                           | 2             | 0    | 2            |
| CHE-430L            | Environmental Engg                           | 0             | 3    | 1            |
| CHE-320             | Technical Writing & Presentation Skills      | 2             | 0    | 2            |
| CHE-313             | Engineering Materials                        | 2             | 0    | 2            |
| CHE-206             | Mass Transfer                                | 3             | 0    | 3            |
| BSI-242             | Numerical Analysis with software application | 2             | 0    | 2            |
| BSI-242L            | Numerical Analysis with software application | 0             | 3    | 1            |
| CHE-421             | Management Elective-I (Entrepreneurship)     | 2             | 0    | 2            |
| CHE-424             | Depth Elective*-I                            | 3             | 0    | 3            |
| Total Contact Hours |                                              | 16            | 6    | 22           |
| Total Credit Hours  |                                              | 16            | 2    | 18           |

| Semester 7          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| CHE-423             | Separation Processes-II               | 2             | 0    | 2            |
| CHE-423L            | Separation Processes-II               | 0             | 3    | 1            |
| CHE-425             | Chemical Plant Design                 | 3             | 0    | 3            |
| CHE-454             | Depth Elective*-II                    | 3             | 0    | 3            |
| CHE-427             | Transport Phenomena                   | 3             | 0    | 3            |
| CHE-458             | FYDP (Part-I)                         | 0             | 9    | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| Total Contact Hours |                                       | 13            | 12   | 25           |
| Total Credit Hours  |                                       | 13            | 4    | 17           |

Codes \* represents elective courses that will be chosen from the list of available electives.

| Semester 2          |                                 | Contact hours |      | Credit hours |
|---------------------|---------------------------------|---------------|------|--------------|
| Course Code         | Course Title                    | Lecture       | Lab. | Total        |
| BSI-117             | Physical & Analytical Chemistry | 2             | 0    | 2            |
| BSI-117L            | Physical & Analytical Chemistry | 0             | 3    | 1            |
| BSI-110             | Pakistan Studies                | 2             | 0    | 2            |
| BSI-231             | Differential Equations          | 3             | 0    | 3            |
| BSI-181             | Applied Physics                 | 2             | 0    | 2            |
| BSI-181L            | Applied Physics                 |               | 3    | 1            |
| BSI-143             | Communication Skills            | 2             | 0    | 2            |
| ME-106L             | Workshop Practice               | 0             | 3    | 1            |
| CHE-144             | Chemical Engg Principles-1      | 2             | 0    | 2            |
| BSI-102             | Fehm-e-Quran-I                  | 1             | 0    | 1            |
| Total Contact Hours |                                 | 14            | 9    | 23           |
| Total Credit Hours  |                                 | 14            | 3    | 17           |

| Semester 4         |                                                 | Contact hours |      | Credit hours |
|--------------------|-------------------------------------------------|---------------|------|--------------|
| Course Code        | Course Title                                    | Lecture       | Lab. | Total        |
| CHE-310            | Chemical Engineering Thermodynamics-II          | 2             | 0    | 2            |
| CHE-310L           | Chemical Engineering Thermodynamics-II Lab      | 0             | 3    | 1            |
| CHE-211            | Programming and Data Science                    | 2             |      | 2            |
| CHE-211L           | Programming and Data Science                    | 0             | 3    | 1            |
| CHE-311            | Fluid Mechanics II                              | 2             | 0    | 2            |
| CHE-311L           | Fluid Mechanics II                              | 0             | 3    | 1            |
| EE-210             | Electrical Engineering                          | 2             | 0    | 2            |
| EE-210L            | Electrical Engineering                          | 0             | 3    | 1            |
| BSI-120            | Social Science Elective-I (Professional Ethics) | 2             | 0    | 2            |
| CHE-351            | Heat Transfer                                   | 3             | 0    | 3            |
| CHE-351L           | Heat Transfer Lab                               | 0             | 3    | 1            |
| Total Credit Hours |                                                 | 13            | 5    | 18           |

| Semester 6          |                                        | Contact hours |      | Credit hours |
|---------------------|----------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                           | Lecture       | Lab. | Total        |
| CHE-456             | Process Modelling, & Simulation        | 3             | 0    | 3            |
| CHE-456L            | Process Modelling, & Simulation Lab    | 0             | 3    | 1            |
| CHE-319             | Chemical Reaction Engineering          | 3             | 0    | 3            |
| CHE-319L            | Chemical Reaction Engineering          | 0             | 3    | 1            |
| CHE-246             | Occupational Health and Process Safety | 2             | 0    | 2            |
| CHE-317             | Experimental Design and Analysis       | 2             | 0    | 2            |
| CHE-312             | Separation Processes-I                 | 2             | 0    | 2            |
| CHE-312L            | Separation Processes-I                 | 0             | 3    | 1            |
| CHE-315             | Engineering Economics                  | 2             | 0    | 2            |
| Total Contact Hours |                                        | 14            | 9    | 23           |
| Total Credit Hours  |                                        | 14            | 3    | 17           |

| Semester 8          |                                             | Contact hours |      | Credit hours |
|---------------------|---------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                                | Lecture       | Lab. | Total        |
| CHE-432             | Management Elective-I I(Project Management) | 2             | 0    | 2            |
| CHE-429             | Depth Elective*-III                         | 3             | 0    | 3            |
| CHE-428             | Instrumentation & Process Control           | 3             | 0    | 3            |
| CHE-428L            | Instrumentation & Process Control           | 0             | 3    | 1            |
| CHE-457             | Maintenance & Utility Engineering           | 2             | 0    | 2            |
| CHE-422             | Process Analysis and Optimization           | 2             | 0    | 2            |
| CHE-458             | FYDP (Part-II)                              | 0             | 9    | 3            |
| BSI-121             | Civics & Community Engagement               | 2             | 0    | 2            |
| Total Contact Hours |                                             | 14            | 12   |              |
| Total Credit Hours  |                                             | 14            | 4    | 18           |

Total Credit Hours = 139

# Department of Industrial Engineering

## Peshawar Campus

### Introduction

Industrial Engineering is a discipline which can contribute a lot towards the optimization and integration of resources, streamlining of processes, eliminating waste, meeting targets and improving quality. With such a powerful combination of various engineering elements coupled with strong management sciences, it was inevitable to launch an Industrial Engineering (IE) discipline at University of Engineering and Technology (UET) Peshawar to produce proper knowledgeable and skilled people for our manufacturing and service sectors. The UET Peshawar launched the IE program in September 2006. Our curricula both at the undergraduate and postgraduate levels are rich in contents covering manufacturing, optimization, quality, ergonomics and management. Working engineers from other engineering disciplines also opt for industrial engineering because their nature of jobs highly demand for industrial engineering knowledge. Our graduates are successfully serving both in national and multinational organizations.

Most of our industries use conventional technologies and conventional techniques to manage them with minimum R&D activities. The result is, low productivity, low quality, more waste, and comparatively high unit price. With such a performance and output, it is very difficult to compete even with the neighboring countries. At the national level, it is the question of survival of our local industries which are facing competition from China, India, Bangladesh and other countries from Far East. Customers are free lancers. They buy products which are affordable and better in quality, whether these products are made in Pakistan or by any other country. We need to streamline and improve the performance of our industries and at the same time need to go for the emerging technologies to compete at the international level to widen the scope and contribute more effectively towards the economy.

The future prospects of industrial engineers are bright not only in Pakistan but also abroad. They are typically found in organizations responsible for managing operations, manufacturing systems, process engineering, automation, supply chain management, quality control, sales, banking, hospitals, airports etc. Studying industrial engineering is one of the smartest decisions, because it is estimated that demand for these professionals will continue to rise every year. Industrial engineers are among the best paid professionals.

### Academic Programs

- B.Sc. Industrial Engineering
- M.Sc. Industrial Engineering
- M.Sc. Engineering Management
- Ph.D. Industrial Engineering

All of these programs are accredited by relevant government bodies such PEC and HEC.

### Mission

To produce industrial engineers having professional knowledge, research and problem-solving skills to play leading role for the economic well-being, safety and productivity of an organization and society.

### Program Educational Objectives (PEO's)

The student graduating from IE shall have the;

- PEO-1.** Serve in industry or academia or operate their own business.
- PEO-2.** Exhibit quest for higher engineering educations or continued professional development.
- PEO-3.** Demonstrate adherence to ethical practices and community services.

### List of Laboratories

Almost all subjects are augmented by practical work/tutorials. The students are trained in the following laboratories:

- Central Workshops
- Automation & Robotics
- Computer Integrated Manufacturing
- Metrology
- Engineering Mechanics
- Materials & Surface Engineering
- Computer Numerical Control (CNC)
- Ergonomics
- Virtual Manufacturing

### Practical Training

As a requirement for graduation, every student must complete 08 weeks of supervised practical work/apprenticeship in an industry. Students are allowed to complete this requirement during summer holidays but not before the 4th semester.

### Industrial Visits

Industrial visits are regularly conducted to broaden the breadth and depth of technical and practical Industrial Engineering knowledge.

### Research

The Faculty of Industrial Engineering is actively involved in research activities, providing solution to problems of different industries in the following areas:

- Manufacturing Systems
- Industrial Processes
- Inventory Control
- Quality Control
- Operation Research
- Industrial Management
- Supply Chain Management
- Human Factors Engineering
- Engineering Management

## FACULTY

### Chairman

Dr. Rehman Akhtar Ph.D. (USA)

### Professors

Prof. Dr. Sahar Noor Ph.D. (UK)  
Prof. Dr. Shahid Maqsood Ph.D. (UK)  
Prof. Dr. Misbah Ullah Ph.D. (S.Korea)

### Associate Professors

Dr. Sikandar Bilal Khattak Ph.D. (Pak)  
Dr. Imran Ahmad Ph.D. (S.Korea)  
Dr. Usman Ghani Ph.D. (UK)

### Assistant Professors

Dr. Altaf Hussain Ph.D. (Pak)  
Engr. Fawad Haidar M.Sc. (UK)  
Engr. Aamir Sikandar M.Sc. (UK)  
Engr. Khawar Naeem M.Sc. (USA)

### Lecturers

Dr. Muhammad Abas Ph.D. (Pak)  
Engr. Qazi Salman Khalid M.Sc. (Pak)  
Engr. Abdur Rehman Babar M.Sc. (Pak)  
Engr. Mahawish Mahmood M.Sc. (Pak)

### Laboratory Engineers

Dr. Qazi M. Usman Jan Ph.D. (Pak)  
Engr. Shakir Azim M.Sc. (Pak)  
Engr. Lal Sayd M.Sc. (Pak)





# Scheme of Studies

| Semester 1          |                                  | Contact hours |      | Credit hours |
|---------------------|----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                     | Lecture       | Lab. | Total        |
| BSI-102             | Fehm-e-Quran-I                   | 1             | 0    | 1            |
| BSI-110             | Pakistan Studies                 | 2             | 0    | 2            |
| BSI-133             | Functional English               | 3             | 0    | 3            |
| IE-111              | Basic Industrial Electronics     | 2             | 3    | 3            |
| IE-112              | Applications of ICT              | 2             | 3    | 3            |
| IE-114              | Engineering Mechanics            | 2             | 3    | 3            |
| IE-118              | Engineering Drawing and Graphics | 0             | 6    | 2            |
| Total Contact Hours |                                  | 12            | 15   |              |
| Total Credit Hours  |                                  | 12            | 5    | 17           |

| Semester 3          |                                          | Contact hours |      | Credit hours |
|---------------------|------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                             | Lecture       | Lab. | Total        |
| BSI-112             | Linear Algebra and Differential Equation | 3             | 0    | 3            |
| IE-230L             | Computer Aided Design                    | 0             | 3    | 1            |
| IE-233              | Occupational Health and Safety           | 2             | 0    | 2            |
| IE-238              | Mechanics of Materials                   | 2             | 3    | 3            |
| IE-239              | Computer Programming                     | 2             | 3    | 3            |
| IE-251              | Probability and Statistics               | 3             | 0    | 3            |
| IE-XXX              | Social Sciences Elective**               | 2             | 0    | 2            |
| Total Contact Hours |                                          | 14            | 9    |              |
| Total Credit Hours  |                                          | 14            | 3    | 17           |

| Semester 5          |                                    | Contact hours |      | Credit hours |
|---------------------|------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                       | Lecture       | Lab. | Total        |
| IE-355              | Work Study and Methods Engineering | 2             | 3    | 3            |
| IE-356              | Operations Research                | 3             | 3    | 4            |
| BSI-121             | Civics and Community Engagement    | 2             | 0    | 2            |
| IE-359              | Manufacturing Processes            | 2             | 3    | 3            |
| IE-361              | Human Factor Engineering           | 2             | 3    | 3            |
| IE-366              | Production Planning and Control    | 2             | 3    | 3            |
| Total Contact Hours |                                    | 13            | 15   |              |
| Total Credit Hours  |                                    | 13            | 5    | 18           |

| Semester 7          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Lecture       | Lab. | Total        |
| IE-472              | Design of Experiments             | 3             | 3    | 4            |
| IE-473              | Industrial Repair and Maintenance | 2             | 3    | 3            |
| IE-XXX              | Technical Elective - I ***        | 3             | 0    | 3            |
| IE-XXX              | Technical Elective - II ***       | 3             | 0    | 3            |
| IE-XXX              | Management Science Electives****  | 2             | 0    | 2            |
| IE-498              | FYDP - I                          | 0             | 9    | 3            |
| Total Contact Hours |                                   | 13            | 15   |              |
| Total Credit Hours  |                                   | 13            | 5    | 18           |

Total Credit Hours = 139

\* Arts and Humanities Electives \*\* Social Sciences Elective \*\*\* Technical Elective \*\*\*\*Management Sciences Elective

**Arts and Humanities Elective (2+0):** Communication and Presentation Skills, Beginners Spanish, Elementary Arabic, Elementary French, Elementary Chinese, History, Philosophy, Professional Ethics.

**Social Sciences Electives (2+0):** Sociology for Engineers, Sociology, Social Psychology, Critical Thinking, Human Resource Management, Organizational Behavior, Engineering Law, Engineering Economics, Applied Psychology, Engineering Management, Financial Management, Marketing Management, Leadership and Personal Grooming.

**Management Sciences Course (2+0):** Managerial Accounting, Total Quality Management, Management of Technical Organization, Supply Chain Management.

| Semester 2          |                                       | Contact hours |      | Credit hours |
|---------------------|---------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                          | Lecture       | Lab. | Total        |
| BSI-101             | Islamic Studies/Ethics                | 2             | 0    | 2            |
| BSI-109             | Ideology and Constitution of Pakistan | 2             | 0    | 2            |
| BSI-123             | Calculus and Analytical Geometry      | 3             | 0    | 3            |
| BSI-203             | Fehm-e-Quran-II                       | 1             | 0    | 1            |
| BSI-XXX             | Arts and Humanities Elective*         | 2             | 0    | 2            |
| IE-124L             | Workshop Practice                     | 0             | 3    | 1            |
| IE-125              | Basic Mechanical Engineering          | 2             | 3    | 3            |
| IE-235              | Materials Engineering                 | 3             | 3    | 4            |
| Total Contact Hours |                                       | 15            | 9    |              |
| Total Credit Hours  |                                       | 15            | 3    | 18           |

| Semester 4          |                                           | Contact hours |      | Credit hours |
|---------------------|-------------------------------------------|---------------|------|--------------|
| Course Code         | Course Title                              | Lecture       | Lab. | Total        |
| BSI-243             | Numerical Analysis & Computer Application | 2             | 3    | 3            |
| IE-243              | Logical and Critical Thinking             | 3             | 0    | 3            |
| IE-245              | Design of Mechanisms                      | 2             | 3    | 3            |
| IE-247              | Manufacturing Systems                     | 2             | 3    | 3            |
| IE-249              | Metrology and Statistical Quality Control | 2             | 3    | 3            |
| IE-250              | Environment and Sustainability            | 2             | 0    | 2            |
| Total Contact Hours |                                           | 13            | 12   |              |
| Total Credit Hours  |                                           | 13            | 4    | 17           |

| Semester 6          |                              | Contact hours |      | Credit hours |
|---------------------|------------------------------|---------------|------|--------------|
| Course Code         | Course Title                 | Lecture       | Lab. | Total        |
| IE-312              | Computer Aided Manufacturing | 2             | 3    | 3            |
| IE-358              | Industrial Facilities Design | 2             | 3    | 3            |
| IE-360              | Industrial System Simulation | 2             | 3    | 3            |
| IE-363              | Expository Writing           | 3             | 0    | 3            |
| IE-365              | Project Management           | 2             | 0    | 2            |
| IE-369              | Instrumentation and Control  | 2             | 3    | 3            |
| Total Contact Hours |                              | 13            | 12   |              |
| Total Credit Hours  |                              | 13            | 4    | 17           |

| Semester 8          |                                   | Contact hours |      | Credit hours |
|---------------------|-----------------------------------|---------------|------|--------------|
| Course Code         | Course Title                      | Lecture       | Lab. | Total        |
| IE-483              | Entrepreneurship                  | 2             | 0    | 2            |
| IE-XXX              | Technical Elective - III ***      | 2/3           | 3/0  | 3            |
| IE-XXX              | Technical Elective - IV ***       | 2/3           | 3/0  | 3            |
| IE-XXX              | Technical Elective - V ***        | 2/3           | 3/0  | 3            |
| IE-485              | Production/ Industrial Automation | 2             | 3    | 3            |
| IE-499              | FYDP-II                           | 0             | 9    | 3            |
| Total Contact Hours |                                   | 10/13         | 21/0 |              |
| Total Credit Hours  |                                   | 10/13         | 7/4  | 17           |

**Technical Elective Courses (2+1 or 3+0):** Lean Manufacturing, Quality Engineering, Virtual Reality, Smart Manufacturing and Industry 4.0, Finite Element Analysis, Sustainable Manufacturing, Reliability Analysis, Metal Forming and Cutting Analysis, Computer Integrated Manufacturing (CIM), Tool and Die Design, Logistic Management, Enterprise Resource Planning, Additive Manufacturing, Human Robot Interaction, Warehouse Management, Computer Aided Process Planning, Applications of AI in Manufacturing and Services Sector, Advanced Manufacturing Processes, Cybersecurity for Industrial Control Systems, Data Analytics for Industrial Engineers, Advanced Engineering Optimization, Special Topic.

# Department of Industrial Engineering Jalozai Campus

## Introduction

Industrial Engineering (IE) as a discipline contributes toward the solution of the engineering and managerial issues in the manufacturing and service industry. The UET Peshawar, Jalozai Campus launched the IE program in September 2016 and 95% of graduated students are now on jobs in academia and industry. The IE consists of two major streams i.e., manufacturing and management. IE provides support in manufacturing optimization, system design, process automation, resource planning, quality management, biomechanics, information systems, entrepreneurship, and supply chain management. IE provides an opportunity to enhance skills in analytical thinking and creativity, active learning, complex problem solving, decision making, leadership, and technology use.

Most of our industries use conventional technologies and techniques with minimum research and development activities. The result is low productivity and quality, huge waste, and comparatively high unit price, it is extremely difficult to compete in the international market. IE program aims to address the aforementioned industrial problems with a vibrant curriculum benchmarked with world class universities accredited under Washington Accord. Furthermore, the program includes courses in emerging technologies (Industry 4.0, Additive manufacturing, Automation and Robotics, Artificial Intelligence, and IT) to compete in the international challenging market.

Pakistan is facing challenges to achieve the United Nations Sustainable Development Goals (SDGs) for health, poverty, gender diversity, innovation, etc. In this regard, the Pakistan Engineering Council (PEC) and Higher Education Commission (HEC), Pakistan are striving to streamline the learning outcomes at the Higher Education Institutions to support the government. IE program is already equipped and implemented the SDGs in the learning outcomes for the socio-economic and sustainable development of the country.

For the future prospect, the IE program provides technical and communications skills to the graduating students to fulfill the market demands in Pakistan and abroad through extra-curriculum. Currently, Industrial Engineers are working in automotive, textile industry, chemical, oil & gas, pharmaceutical, cement, hospital, banks, aviation, R&D, universities and public sector organization. Equipped with the qualified faculty, cutting-edge labs, and applications, choosing the IE discipline for the study is one of the smartest decisions.

## Academic Program:

- B.Sc. Industrial Engineering

## Mission

To produce industrial engineers having professional knowledge, research and problem-solving skills to play leading role for the economic well-being, safety and productivity of an organization and society.

## Program Educational Objectives (PEO's)

The graduates of B.Sc. Industrial Engineering have the ability to:

- PEO-1.** Serve in industry or academia or operate their own business.
- PEO-2.** Exhibit quest for higher engineering education or continued professional development.
- PEO-3.** Demonstrate adherence to ethical practices and community services

## List of Laboratories:

- Industry 4.0 or Smart Manufacturing
- Computer Integrated Manufacturing (CIM)
- Production Automation & Robotics
- Human Factors Engineering
- Advance Machining
- Metrology
- Central Workshops & Manufacturing Processes
- Materials Engineering
- Engineering Mechanics
- Computer Lab
- Electronics (Shared)
- Thermo-Fluids (Shared)

## Field Visits / Industrial Visits:

Industrial visits are regularly conducted to broaden the breadth and depth of technical and practical Industrial Engineering Knowledge.

## Internship

As a requirement for graduation, every student must complete 08 weeks of supervised practical work / apprenticeship in an industry. Students are allowed to complete this requirement during summer holidays but not before 4th semester.

## Research

The Faculty of Industrial Engineering is actively involved in research activities, providing solution to problems of different industries in the following areas:

- Manufacturing Systems
- Industrial Automation
- Engineering Management
- Supply Chain Management

## Scheme of Studies

For Scheme of Studies, please refer to page No. 49

## Chairman

Dr. Tufail Habib Ph.D.(Denmark)

## Associate Professors

Dr. Tufail Habib Ph.D.(Denmark)  
Dr. Muhammad Omaid Ph.D (S. Korea)

## Lecturers

Engr. Muhammad Arshad M.Sc. (UK)  
Engr. Mohsin Iqbal Qazi M.Sc. (Pak)  
Engr. Ishrat Noor M.Sc. (Pak)  
Engr. Uroosa Nadir M.Sc. (Pak)

## Laboratory Engineers

Engr. Muhammad Zubair M.Sc. (Pak)  
Engr. Muhammad Fayyaz M.Sc. (Pak)  
Engr. Tanveer Alam M.Sc. (Pak)  
Engr. Manzoor Alam B.Sc. (Pak)



## U.S.-Pakistan Center for Advanced Studies in Energy Energy Engineering Program

Hayatabad, Peshawar

### Introduction

The energy engineering program is designed to develop capacity building in a rapidly developing knowledge bank to meet the ever-increasing demand for energy through conventional and modern technologies. The program covers broad spectrum of energy from conventional power generation to renewable and alternative energy technologies as well as energy policy, energy management, energy systems maintenance, energy audit, energy quality, environment, system reliability and energy economics. In addition, the curriculum is flexible, broad and diverse enough to allow students to tailor their educational experience to specific interests, background, and expected role in the society.

Graduate students will be able to apply acquired knowledge and skills as a successful professional engineer in various industries engaged in designing, manufacturing and processing in the area of power plants, power generation, transmission and distributions, refrigeration & air conditioning and renewable and sustainable energy. Moreover, students will acquire academic background and basic research skills to pursue graduate studies at national and international level.

### Academic Programs

- B.Sc. Energy Engineering

### Mission

To produce trained human resource in the discipline of Energy Engineering for addressing needs of energy sector and enhancing economic growth of the country through innovation, research, leadership and entrepreneurship.

### Program Educational Objectives (PEO's)

**PEO-1:** The graduates will be capable of integrating energy engineering principles for addressing challenges of energy sector.

**PEO-2:** The graduates will be engaged in continuous professional development and shall exhibit quest for independent learning.

**PEO-3:** The graduates will exhibit positive attitude towards work, and will have strong confidence level, critical thinking, decision making, and leadership skills.

### List of Laboratories

The center boasts the following well equipped state-of-the-art laboratories, enabling students to get a strong grasp of the theoretical knowledge gained in a classroom:

- Materials Synthesis Lab
- Materials Characterization Lab
- Thermal Characterization Lab
- Photovoltaics Lab
- Mechanics of Materials Lab
- Fuels and Combustion Lab
- Power Systems Lab
- Power Plants Lab
- Electrical Workshop
- Electrical Circuit and Networks Lab
- Instrumentation and Measurements Lab
- Power Plants Simulator Lab
- Energy Audit Lab
- Solar Technology Center
- Simulation Lab
- Mechanical Workshop
- Energy Storage and Conversion Lab
- Solar PV Prototyping Lab

### Research

The center is well equipped with state of the art research and development facilities. The faculty is deeply involved in need based and target oriented applied research projects. In the last 5 years, the department has managed to win 34 Research grants, worth 160 Million PKR, through various funding agencies including USAID, HEC, TDF and DOST etc. Moreover, 139 research articles are published in well reputed national and international journals. Some of the research projects recently undertaken by faculty are related to:

- Solar photovoltaics
- Energy Materials
- Energy Audits
- Power systems
- Solar thermal technologies
- Wind Energy
- Biomass
- Smart Grid

### Director

Dr. Adnan Daud Khan Ph.D. (Italy)

### Associate Professor

Dr. Adnan Daud Khan Ph.D. (Italy)

### Assistant Professors

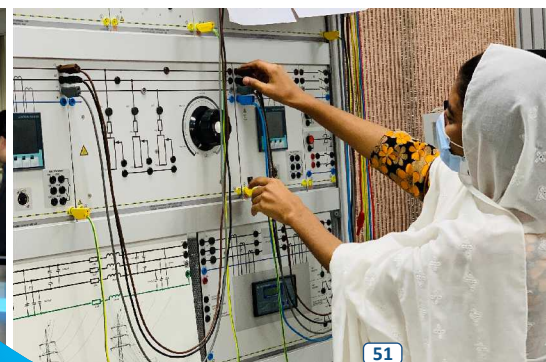
Dr. Muhammad Noman Ph.D. (Italy)  
Dr. Khurshid Ahmad Ph.D. (China)  
Dr. Muhammad Arif Ph.D. (France)  
Dr. Affaq Qamar Ph.D. (Italy)  
Dr. Muhammad Hassan Ph.D. (China)  
Dr. Zohaib ur Rehman Afridi Ph.D. (China)

### Lecturers

Dr. Muhammad Aslam Ph.D. (Pak)  
Dr. Kaleem Ullah Ph.D. (Pak)  
Dr. Amir Naveed Khattak Ph.D. (Pak)  
Dr. Atif Sardar Ph.D. (Pak)  
Engr. Noor Muhammad M.Sc. (Pak)  
Engr. Zafar Ullah Khan M.Sc. (Pak)

### Laboratory Engineers

Dr. Kamran Shereen Ph.D. (Pak)  
Engr. Muhammad Saad Rehan M.Sc. (Pak)  
Engr. Fahad Ullah Zafar B.Sc. (Pak)  
Engr. Maoz M.Sc. (Pak)





# Scheme of Studies

| Semester 1    |                                 |         | Contact hours | Credit hours |
|---------------|---------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                    | Lecture | Lab.          | Total        |
| ENE-101 (T&L) | Metallurgy & Workshop Practices | 2       | 6             | 4            |
| ENE-102       | Engineering Mechanics           | 3       | 0             | 3            |
| BSI -101      | Islamic Studies or Ethics       | 2       | 0             | 2            |
| BSI-113       | Linear Algebra & Calculus       | 3       | 0             | 3            |
| BSI-181 (T&L) | Applied Physics                 | 2       | 3             | 3            |
| BSI-118 (T&L) | Organic & Inorganic Chemistry   | 2       | 3             | 3            |
| BSI-102       | Fehm-e-Quran-I                  | 1       | 0             | 1            |
|               |                                 |         |               |              |
|               |                                 |         |               |              |
|               | <b>Total Contact Hours</b>      | 15      | 12            |              |
|               | <b>Total Credit Hours</b>       | 15      | 4             | 19           |

| Semester 3    |                                                |         | Contact hours | Credit hours |
|---------------|------------------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                                   | Lecture | Lab.          | Total        |
| ENE-231 (T&L) | Basic Electrical Circuits and Network Analysis | 2       | 3             | 3            |
| ENE-221 (T&L) | Engineering Thermodynamics                     | 2       | 3             | 3            |
| ENE-241       | Organizational Behavior                        | 2       | 0             | 2            |
| BSI-133       | Functional English                             | 3       | 0             | 3            |
| ENE-212 (T&L) | Fluid Mechanics                                | 3       | 3             | 4            |
| ENE-202 (T&L) | Mechanics of Materials                         | 2       | 3             | 3            |
|               |                                                |         |               |              |
|               |                                                |         |               |              |
|               | <b>Total Contact Hours</b>                     | 14      | 12            |              |
|               | <b>Total Credit Hours</b>                      | 14      | 4             | 18           |

| Semester 5    |                                                |         | Contact hours | Credit hours |
|---------------|------------------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                                   | Lecture | Lab.          | Total        |
| ENE-242       | Engineering Management                         | 2       | 0             | 2            |
| ENE-312 (T&L) | Wind and Hydropower Conversion                 | 3       | 3             | 4            |
| ENE-314 (T&L) | Hydrogen & Fuel Cells                          | 2       | 3             | 3            |
| BSI-242 (T&L) | Numerical Analysis                             | 2       | 3             | 3            |
| ENE-331 (T&L) | Power Transmission, Distribution & Utilization | 3       | 3             | 4            |
| BSI-121       | Civics and Community Engagement                | 2       | 0             | 2            |
|               |                                                |         |               |              |
|               |                                                |         |               |              |
|               | <b>Total Contact Hours</b>                     | 14      | 12            |              |
|               | <b>Total Credit Hours</b>                      | 14      | 4             | 18           |

| Semester 7    |                                  |         | Contact hours | Credit hours |
|---------------|----------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                     | Lecture | Lab.          | Total        |
| ENE-411 (T&L) | Energy Conservation and Auditing | 2       | 3             | 3            |
| ENE-431 (T&L) | Smart Grid                       | 2       | 3             | 3            |
| ENE-401       | Project and Report-I             | 0       | 9             | 3            |
| ENE-XYZ (T&L) | Elective-I                       | 2       | 3             | 3            |
| ENE-XYZ       | Elective-II                      | 3       | 0             | 3            |
|               |                                  |         |               |              |
|               |                                  |         |               |              |
|               | <b>Total Contact Hours</b>       | 9       | 18            |              |
|               | <b>Total Credit Hours</b>        | 9       | 6             | 15           |

| Semester 2    |                                        |         | Contact hours | Credit hours |
|---------------|----------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                           | Lecture | Lab.          | Total        |
| ENE-111       | Introduction to Energy Engineering     | 2       | 0             | 2            |
| ENE-103 (T&L) | Manufacturing Engineering              | 2       | 3             | 3            |
| BSI-110       | Pakistan Studies                       | 2       | 0             | 2            |
| ENE-104 (T&L) | Engineering Drawing, Graphics, and CAD | 2       | 3             | 3            |
| ENE-105 (T&L) | Computer Programming                   | 2       | 3             | 3            |
| BSI-231       | Differential Equations                 | 3       | 0             | 3            |
| BSI-143       | Communication & Presentation Skills    | 2       | 0             | 2            |
| BSI-203       | Fehm-e-Quran-II                        | 1       | 0             | 1            |
|               |                                        |         |               |              |
|               | <b>Total Contact Hours</b>             | 16      | 9             |              |
|               | <b>Total Credit Hours</b>              | 16      | 3             | 19           |

| Semester 4    |                                       |         | Contact hours | Credit hours |
|---------------|---------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                          | Lecture | Lab.          | Total        |
| ENE-201 (T&L) | Instrumentation & Measurements        | 2       | 3             | 3            |
| ENE-222 (T&L) | Solar Energy Systems                  | 3       | 3             | 4            |
| BSI-109       | Ideology and Constitution of Pakistan | 2       | 0             | 2            |
| BSI-143       | Expository Writing                    | 3       | 0             | 3            |
| BSI-351       | Statistics and Probability            | 3       | 0             | 3            |
| ENE-311 (T&L) | Heat and Mass Transfer                | 2       | 3             | 3            |
|               |                                       |         |               |              |
|               |                                       |         |               |              |
|               | <b>Total Contact Hours</b>            | 15      | 9             |              |
|               | <b>Total Credit Hours</b>             | 15      | 3             | 18           |

| Semester 6    |                                                 |         | Contact hours | Credit hours |
|---------------|-------------------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                                    | Lecture | Lab.          | Total        |
| ENE-313 (T&L) | Energy Storage Technologies                     | 2       | 3             | 3            |
| ENE-416 (T&L) | RS & GIS for Renewable Energy Resources         | 2       | 3             | 3            |
| ENE-332 (T&L) | Control Systems                                 | 2       | 3             | 3            |
| ENE-323 (T&L) | Heating, Ventilation & Air Conditioning Systems | 3       | 3             | 4            |
| ENE-321 (T&L) | Boiler Engineering and Power Plants             | 2       | 3             | 3            |
| ENE-341       | Entrepreneurship                                | 2       | 0             | 2            |
|               |                                                 |         |               |              |
|               |                                                 |         |               |              |
|               | <b>Total Contact Hours</b>                      | 13      | 15            |              |
|               | <b>Total Credit Hours</b>                       | 13      | 5             | 18           |

| Semester 8    |                                       |         | Contact hours | Credit hours |
|---------------|---------------------------------------|---------|---------------|--------------|
| Course Code   | Course Title                          | Lecture | Lab.          | Total        |
| ENE-432(T&L)  | Power Electronics                     | 2       | 3             | 3            |
| ENE-441       | Energy Economics, Policy & Management | 3       | 0             | 3            |
| ENE-402       | Project and Report-II                 | 0       | 9             | 3            |
| ENE-XYZ (T&L) | Elective-III                          | 2       | 3             | 3            |
| ENE-XYZ       | Elective-IV                           | 3       | 0             | 3            |
|               |                                       |         |               |              |
|               |                                       |         |               |              |
|               | <b>Total Contact Hours</b>            | 10      | 15            |              |
|               | <b>Total Credit Hours</b>             | 10      | 5             | 15           |

## List of Elective Courses

Total Credit = 140

| No. | Course Code   | Course Title                          | Credit Hours |     |
|-----|---------------|---------------------------------------|--------------|-----|
|     |               |                                       | Theory       | Lab |
| 1   | ENE-412       | Energy and Environment                | 3            | 0   |
| 2   | ENE-422       | Nuclear Energy Engineering            | 3            | 0   |
| 3   | ENE-413       | Nano Technology and Energy            | 3            | 0   |
| 4   | ENE-423       | Geothermal and Tidal Energy           | 3            | 0   |
| 5   | ENE-414       | Environmental Impact Assessment       | 3            | 0   |
| 6   | ENE-433       | Machine Design                        | 3            | 0   |
| 7   | ENE-424       | Natural Gas Engineering               | 3            | 0   |
| 8   | ENE-403       | Reliability & Maintenance Engineering | 3            | 0   |
| 9   | ENE-425       | Dynamics & Mechanisms of Machinery    | 3            | 0   |
| 10  | ENE-404       | Engineering Materials                 | 3            | 0   |
| 11  | ENE-426 (T&L) | Fuels & combustion                    | 2            | 1   |

| No. | Course Code   | Course Title                                     | Credit Hours |     |
|-----|---------------|--------------------------------------------------|--------------|-----|
|     |               |                                                  | Theory       | Lab |
| 12  | ENE-427 (T&L) | Clean Coal Technology                            | 2            | 1   |
| 13  | ENE-315 (T&L) | Photoactive Materials and Their Characterization | 2            | 1   |
| 14  | ENE-434 (T&L) | Electrical Machines                              | 2            | 1   |
| 15  | ENE-415 (T&L) | Renewable Energy Systems                         | 2            | 1   |
| 16  | ENE-322 (T&L) | I.C. Engines                                     | 2            | 1   |
| 17  | ENE-417 (T&L) | Bioenergy Engineering                            | 2            | 1   |
| 18  | ENE-418 (T&L) | Microbial Bioenergy and Biofuels                 | 2            | 1   |
| 19  | ENE-435 (T&L) | Power System Analysis & Protection               | 2            | 1   |
| 20  | ENE-436       | Hybrid and Electric Vehicle                      | 3            | 0   |
| 21  | ENE-437 (T&L) | Artificial Intelligence in Energy                | 2            | 1   |
| 22  | ENE 419       | Climate Financing and Carbon Credits             | 3            | 0   |

# FACULTY OF ARCHITECTURE, ALLIED SCIENCES AND HUMANITIES



## MESSAGE FROM DEAN

Welcome to the Faculty of Architecture, Allied Sciences & Humanities. The primary mission of a university education is to transform a human being to the uppermost level of intellect and human values through best practices of human capital management, meaningful education, technical training, and research exposures. In light of the vision and mission of UET Peshawar, the Faculty of Architecture, Allied Sciences & Humanities aims to achieve these objectives in the realms of Physical & Natural Sciences, Mathematics, and Design by synergizing Architecture and Applied Sciences with Art and Humanities and encapsulating them in the garland of universal knowledge perspectives.

The Faculty of Architecture, Allied Sciences & Humanities comprises of three departments, including the Department of Architecture at Peshawar and Abbottabad Campus and the Department of Basic Sciences & Islamiyat at the Main campus, Peshawar. The Department of Basic Sciences & Islamiyat offers successful MS and PhD programs in Mathematics. The department also offers 30% of the total courses for different engineering and non-engineering disciplines. The Department of Architecture offers B. Architecture, Interior Design, and M. Architecture degree programs with the aim to prepare professionals who uphold a tradition of great civilization, ready to cope with contemporary needs, creating a skyline based on historical lessons, and addressing the prevailing issues with a perspective for future challenges.

The programs offered by the Faculty of Architecture, Allied Sciences & Humanities are a beautiful blend of natural and social sciences with Architecture and Design. The faculty aims to impart knowledge through state-of-the-art learning support systems that ensure increasing employability for the graduates at national and international levels. With high quality research output, the faculty will strive to further improve the departmental, faculty, and university rankings at national and international levels.

**Prof. Dr. Bashir Alam**  
Dean, Faculty of Architecture,  
Allied Sciences & Humanities

## Mission Statement

To impart knowledge in social and natural sciences for engineering and non-engineering disciplines and to produce responsible and well-rounded professionals, equipped with entrepreneurial and innovative skills, eager to contribute towards developmental vistas of society and cultural attributes through applied research and innovations.

# Department of Architecture Abbottabad Campus

## Introduction

Established in 2004, the Department of Architecture offers a five years (ten semesters) Bachelor Degree in Architecture (B.Arch.).

The Campus is located in the picturesque valley of Abbottabad surrounded by green hills ideal for academics and creativity. The Department of Architecture aims to prepare professionals who uphold traditions of great civilizations, ready to cope with contemporary needs, creating a skyline based on historical lessons, addressing the prevailing issues with a perception for the future challenges.

Enjoying the position of being at the gateway to Central Asia, the Department is determined to develop linkages with the Central Asian countries and to achieve an iconic position in the region for its innovative approach to technology and its collaborative vision.

The B.Arch. Degree course at the Department of Architecture is set in such a manner that the students: Take Inspiration from Heritage- the region's extraordinary ancient civilizations and its rich living folk traditions; Innovate Technologically - correlating the wisdom of traditional building technologies with the most contemporary technology to create unique inventions for their own social context; Connect with Emerging Trends of Architecture globally and in Pakistan; Become leaders in social responsibility as development professionals - building with human values and with respect for the environment.

The Department of Architecture has developed rapidly, and continues to do so with a focus on bringing these aspects to international standards: Academics and Research, Infrastructure, and Faculty Development.

## Academics

Academics at the department focus on continuous upgradation of the curriculum in accordance with the developments at Pakistan level-Higher Education Commission (HEC/PCATP) curriculum- as well as the best models of contemporary international education in architecture. The Department offers students the opportunity to explore themes in the electives that are close to their cultural and regional value.

Since architecture is a multi-disciplinary design field, a combination of art and science, courses have been tailored to inculcate creativity among students from Foundation Year to the Final Year

thesis project. Each year course is attributed with a competency level benchmark to ensure students' performance throughout the Architectural Program at Abbottabad Campus.

The Department of Architecture also focuses on developing interpersonal skills of the students and a broad exposure to society, engaging them in various extra - curricular activities. The students also participate in nationwide field trips for an exposure to different historical buildings, architecturally significant structures and to establish dialogues with other professionals.

## Research

One of the significant aspect of the Department is the extensive involvement of faculty in research and professional practice for enhancement of academics and field experience. This also provides students an opportunity to learn in a motivated research and professional environment.

## Labs and Design Studios

The Department has acquired latest technologies to develop a conducive environment for studying Architecture. State-of-the-art Computer lab, technically primed crafting workshop, well-equipped design studios, and a resourceful library are available for effective learning process.

## Professional Development

Besides having a well-qualified faculty, the Department also strives to bring in both nationally and internationally renowned professionals, eminent artists and intellectuals to share their ideas and experience and work with the students and faculty. They are involved both in teaching regular courses, and provide valuable ideas and research through the Department's Lecture - Workshop Series. Continuous professional development of the faculty is encouraged and supported through such platforms.

## Awards

The Department of Architecture offers various Awards and Prize Money to the students for winning design competitions conducted by the Department.

## Assistant to Dean

Ar. Shabbir-u-Qureshi M. Arch (Pak)

## Assistant Professors

|                            |               |
|----------------------------|---------------|
| Ar. Shabbir-u-Qureshi      | M. Arch (Pak) |
| Ar. Shahid Mansoor Khan    | MS (Pak)      |
| Dr. Ghousia Saeed          | Ph.D. (UK)    |
| Engr. Akhter Munir         | M.Sc (Pak)    |
| Ar. Muhammad Iqbal         | M.Sc. (Pak)   |
| Ar. Muhammad Faisal Rehman | M.Sc. (Pak)   |

## Lecturers

|                          |               |
|--------------------------|---------------|
| Engr. Irum Nasim         | M.Sc. (UK)    |
| Ar. Habib Ullah          | M. Arch (Pak) |
| Ar. Syed Mazhar Ali Shah | M. Arch (Pak) |

## Lab Architect

Ar. Syeed Mansoor Ali Shah M. Arch (Pak)





# Scheme of Studies

| Semester 1          |                                       | Contact hours  | Credit hours |
|---------------------|---------------------------------------|----------------|--------------|
| Course Code         | Course Title                          | Lecture Studio | Total        |
| Arch-101            | Foundation Studio-I                   | 1 10           | 6            |
| Arch-105            | Visual Communication – I              | 1 4            | 3            |
| Arch-116            | History of Art and Architecture-I     | 2 0            | 2            |
| BSI-101             | Islamic Studies                       | 2 0            | 2            |
| BSI-102             | Fehm-e-Quran-I                        | 1 0            | 1            |
| BSI-133             | Functional English                    | 3 0            | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2 0            | 2            |
| Total Contact Hours |                                       | 12 14          |              |
| Total Credit Hours  |                                       | 12 7           | 19           |

| Semester 3          |                                     | Contact hours  | Credit hours |
|---------------------|-------------------------------------|----------------|--------------|
| Course Code         | Course Title                        | Lecture Studio | Total        |
| Arch-201            | Architectural Studio - I            | 1 10           | 6            |
| Arch-204            | Visual Communication-III            | 1 2            | 2            |
| BSI-211             | Quantitative Reasoning-I            | 3 0            | 3            |
| Arch-117            | Energy and Environment-I            | 1 2            | 2            |
| Arch-218            | History of Art and Architecture-III | 2 0            | 2            |
| Arch-209            | Materials and Construction-II       | 1 2            | 2            |
| Total Contact Hours |                                     | 9 16           | -            |
| Total Credit Hours  |                                     | 9 8            | 17           |

| Semester 5          |                                | Contact hours  | Credit hours |
|---------------------|--------------------------------|----------------|--------------|
| Course Code         | Course Title                   | Lecture Studio | Total        |
| Arch-220            | Digital Tools for Architects-I | 2 0            | 2            |
| Arch-301            | Architectural Studio - III     | 1 14           | 8            |
| Arch-312            | Building Services & Systems-II | 1 2            | 2            |
| Arch-217            | Structures for Architects-II   | 2 0            | 2            |
| Arch-309            | Theory of Architecture-I       | 2 0            | 2            |
| Arch-314            | Materials and Construction-IV  | 1 2            | 2            |
| Total Contact Hours |                                | 9 18           |              |
| Total Credit Hours  |                                | 9 9            | 18           |

| Semester 7          |                          | Contact hours  | Credit hours |
|---------------------|--------------------------|----------------|--------------|
| Course Code         | Course Title             | Lecture Studio | Total        |
| Arch-401            | Architectural Studio – V | 1 14           | 8            |
| Arch-407            | Urban Planning           | 2 0            | 2            |
| Arch-426            | Parametric Design        | 2 0            | 2            |
| Arch-427            | Construction Management  | 2 0            | 2            |
| Arch-425            | Elective-I (Revit)       | 0 4            | 2            |
| Total Contact Hours |                          | 7 18           |              |
| Total Credit Hours  |                          | 7 9            | 16           |

| Semester 9          |                          | Contact hours  | Credit hours |
|---------------------|--------------------------|----------------|--------------|
| Course Code         | Course Title             | Lecture Studio | Total        |
| Arch-506            | Thesis Design-I          | 0 8            | 4            |
| Arch-507            | Professional Practice    | 3 0            | 3            |
| Arch-520            | Focus Studio             | 1 14           | 8            |
| Arch-521            | Interdisciplinary Course | 2 0            | 2            |
| Total Contact Hours |                          | 6 22           |              |
| Total Credit Hours  |                          | 6 11           | 17           |

| Semester 2          |                                    | Contact hours  | Credit hours |
|---------------------|------------------------------------|----------------|--------------|
| Course Code         | Course Title                       | Lecture Studio | Total        |
| Arch-111            | Foundation Studio-II               | 1 10           | 6            |
| Arch-112            | Visual Communication - II          | 1 4            | 3            |
| Arch-207            | History of Art and Architecture-II | 2 0            | 2            |
| Arch-118            | Materials and Construction-I       | 1 2            | 2            |
| BSI-203             | Fehm-e-Quran-II                    | 1 0            | 1            |
| BSI-110             | Pakistan Studies                   | 2 0            | 2            |
| BSI-134             | Expository Writing                 | 3 0            | 3            |
| Total Contact Hours |                                    | 11 16          |              |
| Total Credit Hours  |                                    | 11 8           | 19           |

| Semester 4          |                                    | Contact hours  | Credit hours |
|---------------------|------------------------------------|----------------|--------------|
| Course Code         | Course Title                       | Lecture Studio | Total        |
| BSI-212             | Quantitative Reasoning-II          | 3 0            | 3            |
| Arch-211            | Architectural Studio - II          | 1 12           | 7            |
| Arch-314            | History of Art and Architecture-IV | 2 0            | 2            |
| Arch-200            | Structure for Architects-I         | 2 0            | 2            |
| Arch-305            | Building Services & Systems-I      | 1 2            | 2            |
| Arch-306            | Materials and Construction-III     | 1 2            | 2            |
| Total Contact Hours |                                    | 10 16          |              |
| Total Credit Hours  |                                    | 10 8           | 18           |

| Semester 6          |                                   | Contact hours  | Credit hours |
|---------------------|-----------------------------------|----------------|--------------|
| Course Code         | Course Title                      | Lecture Studio | Total        |
| Arch-307            | Digital Tools for Architects-II   | 0 4            | 2            |
| Arch-311            | Architectural Studio – IV         | 1 14           | 8            |
| Arch-323            | Building Services and Systems-III | 1 2            | 2            |
| Arch-414            | Interior Design                   | 1 2            | 2            |
| BSI-121             | Civics and Community Engagement   | 2 0            | 2            |
| Arch-316            | Theory of Architecture-II         | 2 0            | 2            |
| Total Contact Hours |                                   | 7 22           |              |
| Total Credit Hours  |                                   | 7 11           | 18           |

| Semester 8          |                                                    | Contact hours  | Credit hours |
|---------------------|----------------------------------------------------|----------------|--------------|
| Course Code         | Course Title                                       | Lecture Studio | Total        |
| Arch-411            | Architectural Studio - VI                          | 1 14           | 8            |
| Arch-419            | Architectural Research Methods                     | 1 2            | 2            |
| Arch-429            | Entrepreneurship                                   | 2 0            | 2            |
| Arch-417            | Urban Design                                       | 2 0            | 2            |
| Arch-428            | Interdisciplinary Course (Artificial Intelligence) | 2 0            | 2            |
| Arch-423            | Elective-II (GIS)                                  | 2 0            | 2            |
| Total Contact Hours |                                                    | 10 16          |              |
| Total Credit Hours  |                                                    | 10 8           | 18           |

| Semester 10         |                                                     | Contact hours  | Credit hours |
|---------------------|-----------------------------------------------------|----------------|--------------|
| Course Code         | Course Title                                        | Lecture Studio | Total        |
| Arch-517            | Thesis Design-II                                    | 0 16           | 8            |
| Arch-522            | Internship                                          | 3 0            | 3            |
| Arch-508            | Elective-III (Housing/ First Aid to Heritage)       | 2 0            | 2            |
| Arch-519            | Elective-IV (Advance Building Construction Systems) | 2 0            | 2            |
| Total Contact Hours |                                                     | 7 16           |              |
| Total Credit Hours  |                                                     | 7 8            | 15           |

Total Contact Hours: 269, Total Credit Hours : 175

Note: Two contact hours of studio = 01 credit hour

## Department of Architecture Peshawar Campus

### Introduction

Peshawar, the 9th largest in the country, is one of the oldest cities in Pakistan, geographically and strategically holding an extremely important location. The city owns a very unique history which reflects in its cultural spaces, art, architecture and monuments.

Peshawar is going through the process of rapid urbanization which is posing huge threats to its rich architectural tradition. Being capital of Khyber Pakhtunkhwa province; Peshawar holds a leading and inspiring position in all the aspects of human life including economic, social and educational well-being. Unfortunately, most of the heritage buildings in the city are facing unparalleled threats.

To establish the Department of Architecture at Peshawar in the public sector Engineering university, to promote Architectural education in the province, create awareness in the general public towards the preservation of precious built heritage and last but not the least to train professionals who could play their valuable role in formulating policies for the promotion of sustainable built environment.

### Interior Design

Interior Design (B.ID) at UET Peshawar is a four-year Bachelor's degree programme which is critical and definitive, both historically and contextually comprising of 08 semesters with 131 credit hours followed by mandatory Internship requirements after third year. Interior Design is the act of planning, designing, specifying, and giving general administration and responsible direction to the functional, orderly and aesthetic

arrangements and development of materials of buildings and residences.

Interior designers collaborate with architects, Engineers, contractors, and other professionals. An interior designer specializes in creating functional and aesthetically pleasing interior spaces including homes, offices, retail stores, restaurants, and hotels.

Interior designers can Analyse, translate and transform their vision into well-designed spaces that meet both practical and aesthetic requirements. They are able to utilize their expertise in space planning, color theory, furniture selection, lighting design, and material sourcing to create cohesive and harmonious interiors that enhance the quality of life.

### Vision

University of Engineering and Technology Peshawar would be patronizing an architectural institute playing a leading role in the context of South Asia, Middle East, Central Asia, and Eastern Europe for the dissemination of architectural education at under-graduate as well as post-graduate levels to create more sustainable built environments based on its rich Built Heritage.

### Mission

Invoking a sense of pride in the general public on the rich contextually responsive architectural heritage, and to inspire and facilitate the architectural community to foster a culture of continuous learning through research, writing, and practical exploration of contemporary technologies for the enhancement of architectural education and practices in the country.

### Chairman

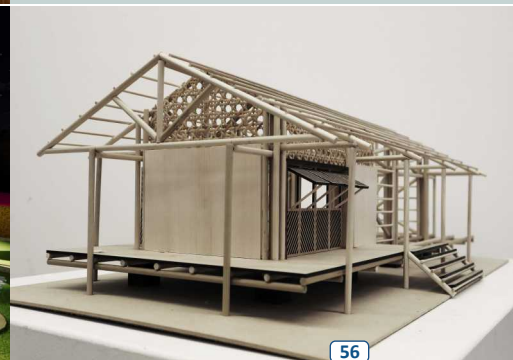
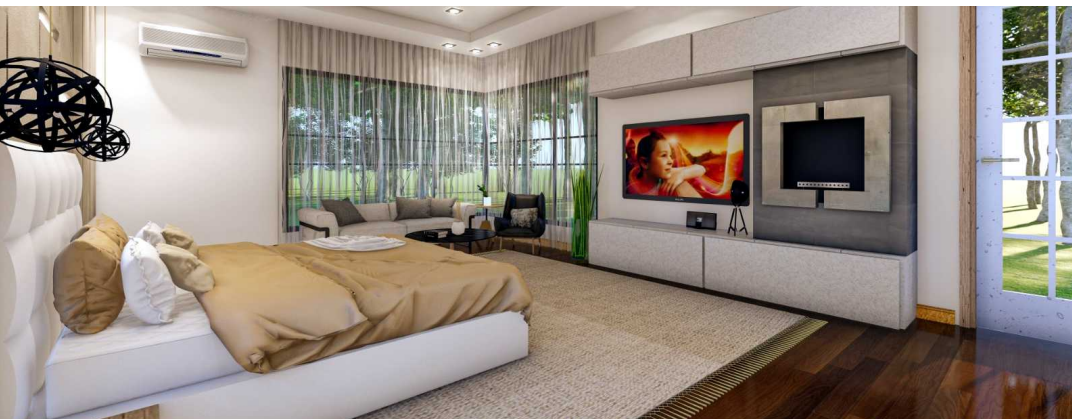
Prof. Dr. Bashir Alam Ph.D. (USA)

### Lecturers

|                    |                     |
|--------------------|---------------------|
| Dr. Ubaid Ullah    | Ph.D. (South Korea) |
| Ar. Azmat Ali Khan | M. Arch (Pak)       |
| Ar. Tahir Saeed    | M. Arch (Pak)       |

### Visiting Faculty

|                 |               |
|-----------------|---------------|
| Ar. Kamran Khan | M. Arch (Pak) |
| Ar. Marina Naz  | M. Arch (Pak) |



# Scheme of Studies

| Semester 1          |                                       | Contact hours  | Credit hours |
|---------------------|---------------------------------------|----------------|--------------|
| Course Code         | Course Title                          | Lecture Studio | Total        |
| Arch-101            | Foundation Studio-I                   | 1 10           | 6            |
| Arch-105            | Visual Communication – I              | 1 4            | 3            |
| Arch-116            | History of Art and Architecture-I     | 2 0            | 2            |
| BSI-101             | Islamic Studies                       | 2 0            | 2            |
| BSI-102             | Fehm-e-Quran-I                        | 1 0            | 1            |
| BSI-133             | Functional English                    | 3 0            | 3            |
| BSI-109             | Ideology and Constitution of Pakistan | 2 0            | 2            |
| Total Contact Hours |                                       | 12 14          |              |
| Total Credit Hours  |                                       | 12 7           | 19           |

| Semester 3          |                                     | Contact hours  | Credit hours |
|---------------------|-------------------------------------|----------------|--------------|
| Course Code         | Course Title                        | Lecture Studio | Total        |
| Arch-201            | Architectural Studio - I            | 1 10           | 6            |
| Arch-204            | Visual Communication-III            | 1 2            | 2            |
| BSI-211             | Quantitative Reasoning-I            | 3 0            | 3            |
| Arch-117            | Energy and Environment-I            | 1 2            | 2            |
| Arch-218            | History of Art and Architecture-III | 2 0            | 2            |
| Arch-209            | Materials and Construction-II       | 1 2            | 2            |
| Total Contact Hours |                                     | 9 16           | -            |
| Total Credit Hours  |                                     | 9 8            | 17           |

| Semester 5          |                                | Contact hours  | Credit hours |
|---------------------|--------------------------------|----------------|--------------|
| Course Code         | Course Title                   | Lecture Studio | Total        |
| Arch-220            | Digital Tools for Architects-I | 2 0            | 2            |
| Arch-301            | Architectural Studio - III     | 1 14           | 8            |
| Arch-312            | Building Services & Systems-II | 1 2            | 2            |
| Arch-217            | Structures for Architects-II   | 2 0            | 2            |
| Arch-309            | Theory of Architecture-I       | 2 0            | 2            |
| Arch-314            | Materials and Construction-IV  | 1 2            | 2            |
| Total Contact Hours |                                | 9 18           |              |
| Total Credit Hours  |                                | 9 9            | 18           |

| Semester 7          |                          | Contact hours  | Credit hours |
|---------------------|--------------------------|----------------|--------------|
| Course Code         | Course Title             | Lecture Studio | Total        |
| Arch-401            | Architectural Studio – V | 1 14           | 8            |
| Arch-407            | Urban Planning           | 2 0            | 2            |
| Arch-426            | Parametric Design        | 2 0            | 2            |
| Arch-427            | Construction Management  | 2 0            | 2            |
| Arch-425            | Elective-I (Revit)       | 0 4            | 2            |
| Total Contact Hours |                          | 7 18           |              |
| Total Credit Hours  |                          | 7 9            | 16           |

| Semester 9          |                          | Contact hours  | Credit hours |
|---------------------|--------------------------|----------------|--------------|
| Course Code         | Course Title             | Lecture Studio | Total        |
| Arch-506            | Thesis Design-I          | 0 8            | 4            |
| Arch-507            | Professional Practice    | 3 0            | 3            |
| Arch-520            | Focus Studio             | 1 14           | 8            |
| Arch-521            | Interdisciplinary Course | 2 0            | 2            |
| Total Contact Hours |                          | 6 22           |              |
| Total Credit Hours  |                          | 6 11           | 17           |

Total Contact Hours: 269, Total Credit Hours : 175  
 Note: Two contact hours of studio = 01 credit hours

| Semester 2          |                                    | Contact hours  | Credit hours |
|---------------------|------------------------------------|----------------|--------------|
| Course Code         | Course Title                       | Lecture Studio | Total        |
| Arch-111            | Foundation Studio-II               | 1 10           | 6            |
| Arch-112            | Visual Communication - II          | 1 4            | 3            |
| Arch-207            | History of Art and Architecture-II | 2 0            | 2            |
| Arch-118            | Materials and Construction-I       | 1 2            | 2            |
| BSI-203             | Fehm-e-Quran-II                    | 1 0            | 1            |
| BSI-110             | Pakistan Studies                   | 2 0            | 2            |
| BSI-134             | Expository Writing                 | 3 0            | 3            |
| Total Contact Hours |                                    | 11 16          |              |
| Total Credit Hours  |                                    | 11 8           | 19           |

| Semester 4          |                                    | Contact hours  | Credit hours |
|---------------------|------------------------------------|----------------|--------------|
| Course Code         | Course Title                       | Lecture Studio | Total        |
| BSI-212             | Quantitative Reasoning-II          | 3 0            | 3            |
| Arch-211            | Architectural Studio - II          | 1 12           | 7            |
| Arch-314            | History of Art and Architecture-IV | 2 0            | 2            |
| Arch-200            | Structure for Architects-I         | 2 0            | 2            |
| Arch-305            | Building Services & Systems-I      | 1 2            | 2            |
| Arch-306            | Materials and Construction-III     | 1 2            | 2            |
| Total Contact Hours |                                    | 10 16          |              |
| Total Credit Hours  |                                    | 10 8           | 18           |

| Semester 6          |                                   | Contact hours  | Credit hours |
|---------------------|-----------------------------------|----------------|--------------|
| Course Code         | Course Title                      | Lecture Studio | Total        |
| Arch-307            | Digital Tools for Architects-II   | 0 4            | 2            |
| Arch-311            | Architectural Studio – IV         | 1 14           | 8            |
| Arch-323            | Building Services and Systems-III | 1 2            | 2            |
| Arch-414            | Interior Design                   | 1 2            | 2            |
| BSI-121             | Civics and Community Engagement   | 2 0            | 2            |
| Arch-316            | Theory of Architecture-II         | 2 0            | 2            |
| Total Contact Hours |                                   | 7 22           |              |
| Total Credit Hours  |                                   | 7 11           | 18           |

| Semester 8          |                                                    | Contact hours  | Credit hours |
|---------------------|----------------------------------------------------|----------------|--------------|
| Course Code         | Course Title                                       | Lecture Studio | Total        |
| Arch-411            | Architectural Studio - VI                          | 1 14           | 8            |
| Arch-419            | Architectural Research Methods                     | 1 2            | 2            |
| Arch-429            | Entrepreneurship                                   | 2 0            | 2            |
| Arch-417            | Urban Design                                       | 2 0            | 2            |
| Arch-428            | Interdisciplinary Course (Artificial Intelligence) | 2 0            | 2            |
| Arch-423            | Elective-II (GIS)                                  | 2 0            | 2            |
| Total Contact Hours |                                                    | 10 16          |              |
| Total Credit Hours  |                                                    | 10 8           | 18           |

| Semester 10         |                                                     | Contact hours  | Credit hours |
|---------------------|-----------------------------------------------------|----------------|--------------|
| Course Code         | Course Title                                        | Lecture Studio | Total        |
| Arch-517            | Thesis Design-II                                    | 0 16           | 8            |
| Arch-522            | Internship                                          | 3 0            | 3            |
| Arch-508            | Elective-III (Housing/ First Aid to Heritage)       | 2 0            | 2            |
| Arch-519            | Elective-IV (Advance Building Construction Systems) | 2 0            | 2            |
| Total Contact Hours |                                                     | 7 16           |              |
| Total Credit Hours  |                                                     | 7 8            | 15           |



# Scheme of Studies Interior Design

| Semester 1         |                                    | Contact hours |        | Credit hours |
|--------------------|------------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                       | Lecture       | Studio | Total        |
| ID-101             | Foundation Studio-I                | 0             | 12     | 6            |
| ID-111             | Drawing and visual communication-I | 0             | 6      | 3            |
| ID-106             | History, Theory of Art & Design    | 2             | 0      | 2            |
| BSI-101            | Islamic Studies                    | 2             | 0      | 2            |
| BSI-142            | Functional English                 | 2             | 0      | 2            |
| BSI-102            | Fehm-e-Quran-I                     | 1             | 0      | 1            |
| BSI-110            | Pakistan Studies                   | 2             | 0      | 2            |
| Total Credit Hours |                                    | 9             | 9      | 18           |

| Semester 3         |                                       | Contact hours |        | Credit hours |
|--------------------|---------------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                          | Lecture       | Studio | Total        |
| ID-201             | Interior Design Studio - I            | 0             | 12     | 6            |
| ID-204             | Model Making                          | 0             | 6      | 3            |
| ID-224             | introduction to ICT                   | 0             | 6      | 3            |
| ID-207             | History, Theory of Interior Design-II | 2             | 0      | 2            |
| ID-218             | Space Planning                        | 2             | 0      | 2            |
| IBD-281            | Material, construction and system-II  | 0             | 6      | 3            |
| Total Credit Hours |                                       | 4             | 15     | 19           |

| Semester 5         |                              | Contact hours |        | Credit hours |
|--------------------|------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                 | Lecture       | Studio | Total        |
| ID-320             | Graphics - I                 | 0             | 6      | 3            |
| ID-321             | Interior Structure & Systems | 2             | 0      | 2            |
| ID - 301           | Interior Design Studio - III | 0             | 12     | 6            |
| ID-305             | Building Services & Systems  | 2             | 0      | 2            |
| ID-352             | Furniture Design-II          | 0             | 6      | 3            |
| ID-310             | Elective                     | 2             | 0      | 2            |
| Total Credit Hours |                              | 6             | 12     | 18           |

| Semester 7         |                            | Contact hours |        | Credit hours |
|--------------------|----------------------------|---------------|--------|--------------|
| Course Code        | Course Title               | Lecture       | Studio | Total        |
| ID-216             | Entrepreneurship           | 3             | 0      | 3            |
| ID-407             | Internship                 | 0             | 6      | 3            |
| ID-409             | Landscape Design           | 0             | 6      | 3            |
| ID-401             | Interior Design Studio - V | 0             | 12     | 6            |
| ID-423             | Research & Methods         | 3             | 0      | 3            |
| Total Credit Hours |                            | 6             | 12     | 18           |

Total Credit Hours = 146, Contact Hours: Lecture = 42, Studio 176

| Semester 2         |                                      | Contact hours |        | Credit hours |
|--------------------|--------------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                         | Lecture       | Studio | Total        |
| ID-111             | Foundation Studio-II                 | 0             | 12     | 6            |
| ID-121             | Drawing and visual communication-II  | 0             | 6      | 3            |
| ID-116             | History, Theory of Interior Design-I | 2             | 0      | 2            |
| ARCH-117           | Environmental Studies                | 2             | 0      | 2            |
| ID-218             | Material, construction and system-I  | 0             | 6      | 3            |
| BSI-203            | Fehm-e-Quran-II                      | 1             | 0      | 1            |
| BSI-143            | Communication & Presentation Skills  | 2             | 0      | 2            |
| Total Credit Hours |                                      | 7             | 12     | 19           |

| Semester 4         |                                        | Contact hours |        | Credit hours |
|--------------------|----------------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                           | Lecture       | Studio | Total        |
| ID-243             | Furniture Design-I                     | 0             | 6      | 3            |
| ID-210             | Application of Digital tools in Design | 0             | 6      | 3            |
| BSI-109            | Ideology & constitution of Pakistan    | 2             | 0      | 2            |
| ID-211             | Interior Design Studio - II            | 0             | 12     | 6            |
| ID-218             | Elective                               | 0             | 6      | 3            |
| ID-233             | Interior Product Design                | 0             | 6      | 3            |
| Total Credit Hours |                                        | 2             | 18     | 20           |

| Semester 6         |                               | Contact hours |        | Credit hours |
|--------------------|-------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                  | Lecture       | Studio | Total        |
| ID-300             | Lighting Design and Accustics | 0             | 6      | 3            |
| ID-307             | Graphics - II                 | 0             | 6      | 3            |
| ID-311             | Interior Design Studio - IV   | 0             | 12     | 6            |
| ID-312             | Textile Design                | 0             | 6      | 3            |
| ID-316             | Elective                      | 3             | 0      | 3            |
| Total Credit Hours |                               | 3             | 15     | 18           |

| Semester 8         |                                    | Contact hours |        | Credit hours |
|--------------------|------------------------------------|---------------|--------|--------------|
| Course Code        | Course Title                       | Lecture       | Studio | Total        |
| ID-481             | Capstone Project                   | 0             | 20     | 10           |
| ID - 413           | Professional Practice & Management | 3             | 0      | 3            |
| ID- 417            | Elective                           | 3             | 0      | 3            |
| Total Credit Hours |                                    | 6             | 10     | 16           |

# Department of Basic Sciences & Islamiat

## Introduction

The Department of Basic Sciences and Islamiat UET, Peshawar came into existence in 1980. In 2009, the Department took a big leap forward by starting MS and PhD programs in applied mathematics. Since the inception of postgraduate program in Mathematics, the Department is producing a high quality of scholars meeting national and international standards who are well versed with the needs of the society. In the supportive role, the Department is involved in teaching a wide range of courses in Mathematics, Physics, Chemistry and Social sciences offered to undergraduate engineering students of the university. Being a degree awarding and a supporting department, the department carries a tremendous amount of teaching and research load simultaneously.

As it is regarded that Mathematics is the quintessence of science & engineering, thus, the role of the Department of Basic Sciences is not less than any mainstream engineering Department. Importance of non-engineering subjects in shaping and polishing of our engineers can be well gauged by the fact that HEC (Higher Education Commission) and PEC (Pakistan Engineering Council) have set a threshold of 33% share of non-engineering subjects in Bachelor of Engineering Degree Program. The Department of Basic Sciences and Islamiat is committed to effectively teach its 33 % share in all engineering disciplines in order to provide the engineering students with a solid foundation, broad perception and incorporate in them the interwoven ideas of integrated nature of sciences & engineering as well as social aspects of professional life.

The Department has achieved highest productivity in terms of publications in well-reputed international journals, national and international research collaborations, research grants and highest citations among different projects of UET, Peshawar. The Department of Basic Sciences and Islamiat, being an integral part of the engineering program is committed to achieve academic excellence in teaching and scholarly endeavors, as well as serving the academic community and society at large. Owing to its multi-disciplinary approach worldwide, the common boundaries of different engineering disciplines with science and mathematics are getting blurred. This automatically assigns a pivotal role to the Department of Basic Sciences and Islamiat UET, Peshawar.

## Mission

The Department of Basic Sciences and Islamiat aims at providing comprehensive knowledge of basic scientific principles, mathematical tools and developing the personalities of the students in every aspect of life. The curriculum focuses primarily on the development of the fundamental tools that are essential for all engineering majors and strives to provide a strong foundation, which allows the students to cope up with the basic mathematical and physical concepts of engineering educations. The basic motive for the mission of this department is, "The discovery of wisdom and transmission of learning". This department provides an environment where students can learn and become competent users of Mathematics and mathematical application, Physics, Chemistry and Social Sciences. In short, the courses are not only meant for theoretical bases but for practical implementation as well. Moreover, the department contributes to the development of students, enabling them to become lifelong learners, to continue to grow in their chosen professions, and to function as productive citizens. Faculty in the department of Basic Science & Islamiat shares the belief that our research has two equally important aims: contributing important new scientific knowledge and training, inspiring new scientists and providing them research environment in the department. In fulfilling this mission, the department creates an environment where the faculty continues to grow as teachers and scholars. By dint of this the faculty provides public and professional services.

## Academic Programs

- Supporting all Engineering & Non-Engineering Undergraduate Programs
- Master of Science in Applied Mathematics (MS in Applied Mathematics)
- Doctor of Philosophy in Applied Mathematics (Ph.D. in Applied Mathematics)

## Laboratories

- Applied Physics
- Applied Mechanics
- Graduate Computer Lab:

## Research

Faculty is actively involved in research in the areas of Numerical Analysis, General Relativity & Cosmology, Image Processing, Fluid Dynamics, Applied Physics and Chemistry.

## Chairman

Prof. Dr. Ali Muhammad Ph.D. Mathematics (Pak)

## Meritorious Professor

Prof. Dr. Siraj ul Islam Ph.D. Mathematics (Pak)

## Professors

Prof. Dr. Ali Muhammad Ph.D. Mathematics (Pak)

## Associate Professors

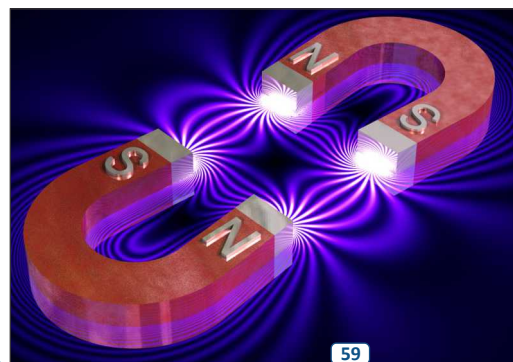
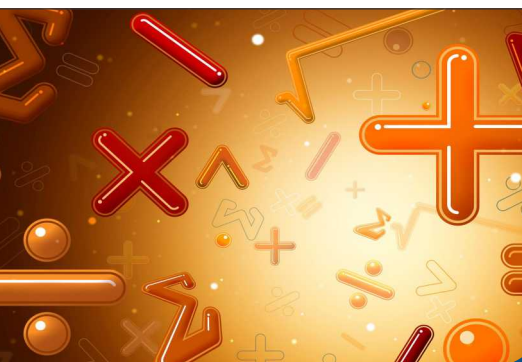
Dr. Marjan ud Din Ph.D. Mathematics (Pak)  
 Dr. Rehan Ali Shah Ph.D. Mathematics (Pak)  
 Dr. Noor Badshah Ph.D. Mathematics (UK)  
 Dr. Muhammad Humayun Ph.D. Chemistry (Pak)

## Assistant Professors

Dr. Iltaf Hussain Ph.D. Mathematics (Pak)  
 Dr. Tufail Ahmad Khan Ph.D. Mathematics (Pak)  
 Dr. Muhammad Aziz Ullah Ph.D. Islamic Studies (Pak)

## Lecturers

Dr. Qayyum Shah Ph.D. Mathematics (Malaysia)  
 Mr. Said Anwar Shah MS. Mathematics (Pak)  
 Mr. Gul Shed MS. Mathematics (Pak)  
 Mr. Atta-ur-Rehman MS. Mathematics (Pak)  
 Mr. Jamal Nasir MS. Mathematics (Pak)  
 Mr. Haseen Ullah Jan M.Phil Physics (Pak)  
 Dr. Ehtiram ul Haq Ph.D Physics (Pak)  
 Miss. Shaista M.Phil English (Pak)



# Courses Offered

| MATHEMATICS      |             |                                              |              |
|------------------|-------------|----------------------------------------------|--------------|
| S.No.            | Course Code | Course Title                                 | Credit Hours |
| 1                | BSI-111     | Linear Algebra                               | 03           |
| 2                | BSI-112     | Linear Algebra & Differential Equation       | 03           |
| 3                | BSI-122     | Calculus                                     | 03           |
| 4                | BSI-123     | Calculus and Analytic Geometry               | 03           |
| 5                | BSI-211     | Quantitative Reasoning-I                     | 03           |
| 6                | BSI-212     | Quantitative Reasoning-II                    | 03           |
| 7                | BSI-221     | Multivariate Calculus & Transforms           | 03           |
| 8                | BSI-231     | Differential Equations                       | 03           |
| 9                | BSI-242     | Numerical Analysis                           | 03           |
| 10               | BSI-243     | Numerical Analysis and Computer Applications | 2+1          |
| 11               | BSI-351     | Probability and Statistics                   | 03           |
| 12               | BSI-352     | Applied Statistics                           | 03           |
| 13               | BSI-362     | Complex variables & transforms               | 03           |
| APPLIED SCIENCES |             |                                              |              |
| 1                | BSI-116     | Applied Chemistry                            | 2+1          |
| 2                | BSI-181     | Applied Physics                              | 2+1          |
| HUMANITIES       |             |                                              |              |
| 1                | BSI-101     | Islamic Studies                              | 02           |
| 2                | BSI-102*    | Fehm-e-Quran-I                               | 01           |
| 3                | BSI-109     | Ideology and Constitution of Pakistan        | 02           |
| 4                | BSI-110     | Pakistan Studies                             | 02           |
| 5                | BSI-120     | Professional Ethics                          | 02           |
| 6                | BSI-121     | Civics and Community Engagement              | 02           |
| 7                | BSI-133     | Functional English                           | 03           |
| 8                | BSI-134     | Expository Writing                           | 03           |
| 9                | BSI-135     | Foreign Language                             | 02           |
| 10               | BSI-143     | Communication and Presentation Skills        | 02           |
| 11               | BSI-203*    | Fehm-e-Quran-II                              | 01           |

\* Three (03) contact hours



# RULES & REGULATIONS

REGULATIONS RULES

# ADMISSION RULES (Engineering Programs)

## 1. GENERAL

Admission to B.Sc. Engineering shall be on the basis of merit. The allocation of seats in each discipline of engineering in Peshawar, Bannu, Abbottabad and Jaloza Campuses is shown on Pages 74 and 75.

## 2. ELIGIBILITY FOR ADMISSION

Admission to B.Sc. Engineering shall be open to the following categories of candidates:

### 2.1 Open Merit Seats

Candidates applying for admission to open merit seats must meet the following conditions:

- (a) They must have domicile certificate from Khyber Pakhtunkhwa.
- (b) They must have appeared in the Entrance Test(s) conducted by the Government of Khyber Pakhtunkhwa, Educational Testing and Evaluation Agency (ETEA) Peshawar or any other designated testing agency for engineering programs acceptable by Pakistan Engineering Council (PEC) for the Academic Session 2025-26. The Entrance Test is valid for one academic year only. Multiple chances (at least 2 times) for Entry Test will be allowed per academic session, and the best result will be taken for merit calculation.
- (c) They must possess one of the following qualifications:
  - (i) Intermediate (Pre-Engineering) certificate with the subjects of Mathematics, Physics and Chemistry from a recognized Board of Intermediate and Secondary Education in Pakistan with at least 60% unadjusted marks.
  - (ii) Intermediate (Computer Science) certificate with the subjects of Mathematics, Physics and Computer Science from a recognized Board of Intermediate and Secondary Education in Pakistan with at least 60% unadjusted marks. Such candidates are allowed for admission to all Engineering Programs, with Chemistry as a remedial subject/course in the first semester after admission.
  - (iii) Intermediate (Pre-Medical) certificate with the subjects of Biology, Physics and Chemistry from a recognized Board of Intermediate and Secondary Education in Pakistan with at least 60% unadjusted marks. Provisionally admitted Pre-medical candidates shall register for and pass the mandatory eight (8) weeks condensed program arranged by UET Peshawar to compensate for two deficient Mathematics courses for confirmation of admission to engineering programs. Students who have already passed the eight-week condensed program for two deficient mathematics courses from any other public sector university recognized by HEC/PEC are exempted from the above-mentioned condensed program subject to submission of their passing certificates at the time of admission. A maximum of 40% of the total allowed intake in each engineering program

will be allowed for Pre-Medical qualification candidates on merit.

- (iv) A certificate equivalent to the Intermediate (Pre-Engineering) examination with at least 60% unadjusted marks. Such candidates must produce "Equivalence and Conversion of Marks Certificate" issued by the Inter Board Committee of Chairmen (IBCC), Government of Pakistan, Ministry of Education, Islamabad, alongwith the application form. Pakistani Nationals must also have qualified the subjects of Islamiyat, Pakistan Studies and Urdu at either the SSC or Intermediate levels.
- (v) B.Tech degree or 3-year Post-Matric Diploma of Associate Engineer (DAE), with at least 60% unadjusted marks. Such candidates are eligible for admission to their relevant disciplines as specified by the Pakistan Engineering Council.

A candidate possessing four years degree/qualification of B.Tech(Hons)/B.S/B.Sc/Bachelor of Technology (with relevant discipline) or equivalent qualification duly recognized by HEC, seeking admission to the relevant engineering discipline against 2% reserved seats of B.Tech (Hons)/B.S/B.Sc./Bachelor of Technology (with relevant discipline), shall be considered for admission with two years of exemption subject to assessment of courses studied for allowing maximum 40 credit hours transfer and satisfying PEC Regulations, and where needed qualifying remedial courses, shall be eligible for registration with the PEC as per laid down criteria.

Provided that a candidate possessing the above qualifications, enrolled during the period January 2015 to December 2020 shall be considered for one year exemption; and

Candidates possessing B.Tech (Pass) and B.Tech (Hons) or equivalent qualifications, enrolled up to 31<sup>st</sup> December, 2014 shall be considered for exemption of one and two years, respectively.

- (vi) The candidates other than Afghan nationals who have passed Baccalaureate Grade-12 Examination from Afghanistan are ineligible to apply for admission on OPEN MERIT or any other RESERVED QUOTAS.

## 2.2

### Quota Seats

Admission on quota/reserved seats shall not exceed the 5% over and above the maximum allowed intake per program for government nominees as per PEC regulations. Candidates applying against reserved quotas must fulfill the requirement of qualification mentioned in 2.1(c) above and the following conditions:

- (a) They must have domicile from the relevant area and meet the additional conditions of the relevant quotas, stated in section 4, below.

- (b) Candidates with domicile from Khyber Pakhtunkhwa/erstwhile FATA must have appeared in the Entrance Test(s) conducted by the Educational Testing & Evaluation Agency (ETEA), Government of Khyber Pakhtunkhwa, Peshawar for the Academic Session 2025-26.
- (c) Candidates studying abroad and candidates with domicile from other provinces, seeking admission to reserved seats in this University must have passed Scholastic Aptitude Test (SAT-II) (Physics, Chemistry, Mathematics) with a minimum score of 800 (valid for two years) or appeared in the entrance test from any other Pakistan Engineering Council (PEC) accredited public sector engineering university of the respective province (valid for one academic year).
- (d) Candidates belonging to AJK & Northern Areas and seeking admission against the reserved seats in this University must have appeared in the Entrance Test(s) conducted by ETEA or any other PEC accredited public sector engineering university in Pakistan.
- (e) Applications of candidates whose required results are not declared till the last date of submission of application form for admission shall not be considered.

**Note:** Applications for admission complete in all respects must reach the Directorate of Admissions on or before the closing dates announced.

### 3. APPLICATION PROCEDURE

- 3.1 Candidates belonging to categories 1, 2, 11, 12, 13, 14, 18 (a, b, c & h) and 19 mentioned on Page No. 74 and 75 (Allocation of Seats) are directed to submit their application forms for entrance test conducted by ETEA on or before the last date advertised for the purpose. Applications received after the closing date shall not be entertained. Incomplete applications shall stand rejected.
- 3.2 Candidates applying under categories 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, and 19 mentioned on Page No. 71 and 72 shall submit their applications through their nominating agencies. The University shall communicate the last date for the receipt of nominations to the concerned nominating agencies.
- 3.3 Candidates applying under categories 9, 10, 11, 12, 13, 14, 16, 17, 18, and 19 on Page No. 74 and 75 holding domiciles from Khyber Pakhtunkhwa are also eligible to apply for admission on open merit. Separate application forms for applying under category 19 shall be submitted to the Directorate of Admissions, UET Main Campus, Peshawar on or before the last date advertised for the purpose. The candidates must have appeared in the entrance test conducted by ETEA for the relevant academic session.
- 3.4 Candidates applying under categories 3, 4, 5, 6, 7, 8, 15, 19 (d, e, f & g) mentioned on Page No. 74 and 75 are ineligible to apply for admission on open merit.
- 3.5 Candidates applying for more than one category must submit separate applications on prescribed forms for reserved quotas for each additional category.

- 3.6 Candidates selected for admission shall submit original documents at the time of admission/interview. Original documents of candidates shall be retained by the department concerned and returned at the time of leaving the university. Documents once submitted with application form cannot be changed and shall be considered as final. The university will verify all documents of the admitted students from the concerned Boards/Institutions. The affiliated Engineering Colleges shall be responsible for verification of documents of their admitted students.
- 3.7 List of documents (Attested Photocopies) to be submitted with Application Forms.
  - (i) DMCs of SSC and Intermediate Part-I (Pre-Engineering/Computer Science/Pre-Medical).
  - (ii) DMC of Additional Mathematics, (where applicable).
  - (iii) First & Second Year DMCs of B.Tech/Diploma of Associate Engineer (DAE) of all subjects.
  - (iv) Original/Provisional Certificate of SSC.
  - (v) Hafiz-e-Quran Certificate from a recognized institution (if applied for Hafiz-e-Quran test).
  - (vi) Domicile Certificate of the Candidate.
  - (vii) Father's/Mother's/Guardian's Computerized National Identity Card.
  - (viii) Computerized National Identity Card or Children Registration Certificate (CRC) of the applicant.
  - (ix) Good Character Certificate from the institute last attended.

In addition to the above documents, five recent passport size (passport style) coloured photographs of the candidate must be submitted.

### 3.8 List of original documents to be submitted at the time of admission.

- (i) Detailed Marks Certificate (DMC) of Intermediate (Pre-Engineering) or equivalent examination on the basis of which admission is sought. In case the examination consists of Part-I and Part-II, DMC of each part shall be submitted.
- (ii) An equivalence/marks conversion certificate, issued by the Inter-Board Committee of Chairmen (IBCC), Government of Pakistan, Ministry of Education, Islamabad in case the candidate have passed the equivalent examination from an institute outside Pakistan.
- (iii) Original/Provisional certificate of Secondary School examination.
- (iv) Detailed Marks Certificates of Secondary School or equivalent examination.
- (v) Domicile Certificate of the candidate.
- (vi) Hafiz-e-Quran Certificate (if applicable) from a recognized institution.
- (vii) Good Character Certificate from the Head of institution, most recently attended by the candidate.
- (viii) Computerized National Identity Card or Children Registration Certificate (CRC) of the candidate (Attested Photocopy).
- (ix) Computerized National Identity Card of the applicant's father/mother/guardian (Attested Photocopy).



- (x) Migration Certificate from the concerned Board.
- (xi) Medical Fitness Certificate on prescribed proforma from a registered medical practitioner, at least MBBS.
- (xii) Income certificate of parents/guardian on prescribed proforma from the relevant competent authority.
- (xiii) Undertaking on a non-judicial stamp paper of minimum available price (not less than Rs. 100/-) according to the prescribed proforma duly attested by the Oath Commissioner for non-indulgence in politics on campuses.
- (xiv) A declaration signed by the candidate and countersigned by his/her father or guardian (as the case may be) to the effect that he/she would abide by the rules and regulations of the University and obey instructions issued to him/her from time to time by the University Authorities.
- (xv) For in-service candidates, permission letter and evidence of leave for the study period from their employer.
- (xvi) An undertaking by candidate on a non-judicial stamp paper of minimum available price (not less than Rs. 100/-) according to the prescribed proforma duly attested by the Oath Commissioner, to meet the eligibility requirements for admission.

## 4. RESERVED SEATS

### 4.1 Erstwhile Federally Administered Tribal Areas (erstwhile FATA)

The Home & Tribal affairs Department, Government of Khyber Pakhtunkhwa shall make nominations of candidates. Candidates who fulfill eligibility conditions may apply for Entrance Test(s) conducted by ETEA and then for admission to the Directorate of Admissions (Main Campus) on the prescribed forms, on or before the closing dates. 10% seats in this category are reserved for candidates who have passed their SSC and Intermediate examination from educational Institutions located within erstwhile FATA, while 90% for candidates having domiciles from erstwhile FATA. As per admission policy 2012-13, all erstwhile FATA candidates admitted in this University shall furnish an undertaking on stamp-paper of minimum available price (not less than Rs.100/-) as per proforma available in the application form.

### 4.2 Merged Areas of Hazara Division

Candidates who fulfill eligibility conditions may apply for Entrance Test(s) conducted by ETEA and then for admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates applying against seats under this category must have passed their SSC and Intermediate examination from educational institutions located within the concerned areas. Candidates who have domicile certificate from Kala Dhaka (district Tor Ghar) are also eligible to apply against these seats.

### 4.3 Azad Jammu & Kashmir

Nomination of candidates fulfilling eligibility criteria shall be made by the Nomination Board, Government of Azad Jammu & Kashmir, Muzaffarabad.

### 4.4 Gilgit Baltistan

Nomination of candidates fulfilling the eligibility criteria shall be made by the Director of Education, Gilgit Baltistan.

### 4.5 Balochistan Province

Nominations against the six (6) seats of candidates who fulfill the eligibility criteria shall be made by the Director of Colleges, Higher & Technical Education, Govt. of Balochistan, Quetta. The nominations against the five (5) seats in the specified Departments shall be made by the Higher Education Commission, Islamabad.

### 4.6 Punjab Province

Nomination of candidates who fulfill the eligibility criteria shall be made by the Secretary to Government of Punjab, Higher Education Department, Lahore. The candidates may contact Deputy Registrar, UET, Lahore for guidance.

### 4.7 Sindh Province

Candidates who fulfill the eligibility criteria shall apply for admission to their concerned engineering universities. The nominations shall be made by the Section Officer (C&PS& Literacy), Government of Sindh, Education Department, Karachi.

### 4.8 Army Seats

Nomination of candidates who fulfill the eligibility criteria shall be made by the GHQ, Rawalpindi.

### 4.9 Air Force Seat

Nomination of candidates who fulfill the eligibility criteria shall be made by the Rear Air Head-quarters, Peshawar.

### 4.10 Foreign Applicants

Nomination shall be received through the Government of Pakistan, Ministry of Finance & Economic Affairs (Economic Affairs Division), Islamabad. Application forms should be accompanied by a certificate from an appropriate authority of the applicant's country that the applicant is a bonafide citizen and is financially sound to meet the expenditure on his/her studies.

### 4.11 Sons/Daughters of Employees of UET

The admission of sons/daughters of employees of UET who fulfill eligibility criteria shall be made strictly on merit interse.

- (a) Sons/daughters of the following categories of employees are eligible to apply:
  - (i) Permanent employees of UET who are confirmed in their service, and have atleast 3 years continuous service to their credit on the last date of submission of application forms. Adopted children/ dependents are ineligible for admission against these seats.
  - (ii) Retired employees who have served the University for atleast 10 years.
  - (iii) Deceased employees who died during

- service of the University, provided they were confirmed in their appointment at the time of death.
- (iv) Employees serving on contract basis with at least five years cumulative service in this University.
  - (b) Sons/Daughters of following employees are ineligible.
    - (i) Those who have been dismissed, removed or terminated from service.
    - (ii) Serving on deputation basis at UET.
  - (c) The wards of UET, Peshawar regular employees are exempted from Registration fee for Summer Semester/Winter Semester in the deficient Course(s).
  - (d) The disciplines to the sons/daughters of UET Peshawar employees shall be allotted as under:
 

Candidates that have been granted admission in the previous academic session against the reserved seats for wards of UET employees and are availing the chance again by appearing in the ETEA entrance test(s) for change of discipline will be required to pay annual charges, tuition fee and other expenses for the period they have spent in the previous discipline
- 4.12 Sons/Daughters of Employees of KP Agricultural University, Peshawar, Islamia College University Peshawar and Gomal University, D.I.Khan.**
- Nomination of candidates who fulfill the eligibility criteria shall be made by the respective nominating authorities of the KPK Agricultural University, Islamia College University and Gomal University on or before the last date fixed for the purpose.
- 4.13 District Kohistan**
- Candidates who fulfill the eligibility criteria may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates applying against seats under this category must have passed their SSC and Intermediate examinations from educational institutions located within District Kohistan.
- 4.14 District Chitral**
- Candidates who fulfill the eligibility criteria may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate forms on or before the closing dates. Candidates applying against seat under this category must have passed their SSC and Intermediate examinations from educational institutions located within District Chitral.
- 4.15 Gadoon Amazai Area**
- Candidates who fulfill the eligibility criteria may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates applying against seat under this category must have

passed their SSC and Intermediate examinations from educational institutions located within Gadoon Amazai Area.

**4.16 Federal Capital Area**

Nomination of candidates who fulfill the eligibility criteria shall be made by the Government of Pakistan, Ministry of Education, Islamabad.

**4.17 District Shangla**

Candidates who fulfill the eligibility criteria may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates applying against seat under this category must have passed their SSC and Intermediate examinations from educational institutions located within District Shangla.

**4.18 Sports Seats**

Two seats have been reserved against this category on gender equity basis (i.e. one for male and one for female candidates). Candidates who fulfill the eligibility conditions may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates applying against seats under this category must be domiciled in Khyber Pakhtunkhwa / erstwhile FATA.

- (a) The candidates who have remained as members of the following teams shall be eligible to apply under this category. The order of preference shall be as follows.
  - (i) Pakistan Color Holder.
  - (ii) Pakistan Combined Boards Team.
  - (iii) All Pakistan Inter Boards Champion-ship
  - (iv) Khyber Pakhtunkhwa Senior Championship (under the auspices of PSB).
  - (v) Khyber Pakhtunkhwa Junior Championship (under the auspices of PSB).
  - (vi) Inter-Colleges Board Tournament.
  - (vii) Supporting sports certificates:
    - Inter Colleges University Tournament.
    - Any player who represented HEC team.
    - Any player who represented University team.
    - Inter-Schools (All Pakistan, Regional, Divisional, District Tournaments)
- (b) Field performance test is compulsory for those candidates who have been selected by the Sports Selection Committee.
- (c) Selection on "Sports seat" will be purely provisional and shall be regularized on the production of the original certificates.
- (d) Based on the order of achievements if there is a tie between two or more candidates, their supporting certificates will be considered. In case of further tie a candidate with achievement in an individual event will get preference over a candidate with achievement in a team event.
- (e) The membership certificate of each sport team should contain the name of player,

- sport, team represented and the year of representation.
- (f) The Championship certificate of one sports team should contain the name of the player, sport, team represented, name of event/category/class in which player secured championship, year of championship and position.
  - (g) Candidates admitted under this category will be required to produce an affidavit to the effect that they will represent the University in their respective games/sports whenever called upon to do so and that they would not play as professional or represent any other public/private institute on part time/full time basis. The required affidavit will be produced on judicial stamp paper of minimum available price (not less than Rs. 100/-) duly signed by the Notary Public.
  - (h) If a player possesses higher sports certificates in addition to the priority list from (i) to (vi), the Sports Selection Committee and the Sports experts of the Committee will determine the merit of that certificate and the decision of the Committee will be considered as final. Special trials and interview will be conducted for this category of players in order to determine whether the certificate and the game level of the player (candidate) could prove the standard or not. The Committee shall have the power to accept or reject such certificate after the process of checking and verifications as above.
  - (i) Those students who have participated and achieved sports certificates in the games mentioned below will be eligible for admission against the sports seats/quota reserved for sportsmen/sportswomen:  
Cricket, Football, Hockey, Basketball, Volleyball, Athletics, Badminton, Table Tennis, Tennis, Squash  
In addition to the above games, preference will also be given to those individual events and team events, which are not mentioned in the games list, but played in the All Pakistan Inter-Universities Championship/ tournaments.
  - (j) The following Committee shall make selection of students for admission against sports seats.
    - (i) Director/Assistant Director Sports, UET, Peshawar.
    - (ii) Provost, UET, Peshawar.
    - (iii) Director, Khyber Pakhtunkhwa Sports Boards.

**Note:** If none of the candidates fulfills the above mentioned criteria, the seats shall remain vacant.

## 4.19 Disabled Persons

Candidates may apply for entrance test conducted by ETEA and then admission to the Directorate of Admissions, UET Peshawar (Main Campus) on separate prescribed forms on or before the closing dates. Candidates must have domicile from Khyber Pakhtunkhwa. The candidate will provide disability

certificate issued by District Assessing Board, Health Department, Government of Khyber Pakhtunkhwa, Peshawar. Selection will be made by Admission Committee strictly on the basis of academic merit of the candidate declared disabled by the Medical Board.

## 4.20 Reservation of Fifty three (53) additional seats under scheme Govt. of Pakistan "Award of 2000 Scholarships for Afghan Refugees" for the Academic Session 2025-26.

Fifty three (53) seats are reserved for Afghan Refugees. Nominations against these seats shall be made by the Afghan Commissionerate, Khyber Pakhtunkhwa, Peshawar. Afghan Refugees seeking admission against the above reserved seats must fulfill the eligibility requirements of at least 60% unadjusted marks in intermediate (Pre Engineering or equivalent examination). Candidates must appear in the ETEA Entrance Test(s). For detail of seats, please refer to Page No. 75.

## 4.21 Reservation of 03 (Three) seats for OIC under Higher Education Commission scholarship program "Academic and Research Linkages Bilateral Agreement"

Total Three (03) seats are reserved for the students of least developed countries of Organization of Islamic Countries (OIC) under Higher Education Commission scholarship program "Academic and Research Linkages Bilateral Agreement".

## 4.22 Reservation of Five (05) seats for Sri Lankan Students under "Pak-Sri Lanka Higher Education Cooperation Program"

Five (05) seats in the following disciplines have been reserved for Sri Lankan students under "Pak-Sri Lanka Higher Education Cooperation Program" in UET Peshawar for the academic year 2025-26 through a merit-based selection process:

- |                                         |           |
|-----------------------------------------|-----------|
| 1. Electrical Engineering (Main Campus) | = 01 Seat |
| 2. Mechanical Engineering (Main Campus) | = 01 Seat |
| 3. Civil Engineering (Jalozai Campus)   | = 02 Seat |
| 4. Computer Systems Engg. (Main Campus) | = 01 Seat |

Nomination against these seats shall be made by the Higher Education Commission, Islamabad.

## 4.23 Reservation of 5% Quota for Overseas Pakistanis

5% Quota has been reserved for Overseas Pakistanis with the following fee structure:

An amount of US \$2000 per annum or equivalent in Pakistani rupees in addition to the fee payable by students admitted on open merit.

4.24 After the expiry of the deadline for receipt of nominations of quota seats, the quota seats remaining vacant will be offered through open merit to the waiting list candidates.

## 5. ENTRANCE TEST

5.1 The Entrance Test(s) will be conducted by the Educational Testing & Evaluation Agency (ETEA), Peshawar, Government of Khyber Pakhtunkhwa.

5.2 Only candidates belonging to Khyber Pakhtunkhwa/ erstwhile FATA/AJK/Northern Areas are eligible to appear in the Entrance Test(s) who fulfill one of the



following conditions:

- (a) Candidates who have passed Intermediate (Pre-Engineering/Computer Science/Pre-Medical) examination from a recognized Board of Intermediate and Secondary Education (B.I.S.E.) in Pakistan or any other equivalent examination and have obtained at least 60% unadjusted marks.
  - (b) Candidates, who have passed three years Post-Matric Diploma of Associate Engineer (DAE) or B-Tech Examination and have obtained at least 60% un-adjusted marks.
  - (c) Candidates who have appeared in Part-II of Intermediate (Pre-Engineering, Pre-Medical or Computer Science group) examination or 3 years Diploma in Associate Engineer (DAE) or B-Tech examination and are awaiting their results, are also eligible to appear in entrance test(s). However, all other admission conditions will be applicable.
  - (d) Candidates belonging to Federal Capital, Punjab, Sindh, AJK, Gilgit Baltistan and Balochistan are eligible to apply and appear in the ETEA entrance test(s) for admission only against the Five (05) seats reserved in each discipline at UET Peshawar on non-subsidized basis.
  - (e) The Entrance Test(s) result is valid for one academic year only. Multiple chances (at least 2 times) for the Entrance Test will be allowed per academic session, and the candidates may submit their best results for merit calculation.
- 5.3 (i) The Entrance Test(s) paper for Pre-Engineering / Computer Science/DAE/B.Tech or equivalent shall consist of 100 MCQs as per following detail for session 2025-26.
- |                                        |         |
|----------------------------------------|---------|
| (a) Physics .....                      | 40 MCQs |
| (b) Mathematics .....                  | 35 MCQs |
| (c) English.....                       | 15 MCQs |
| (d) Chemistry or Computer Science..... | 10 MCQs |
- (ii) The Entrance Test(s) paper for Pre-Medical shall consist of 65 MCQs as per following detail for session 2025-26.
- |                    |         |
|--------------------|---------|
| (a) Physics .....  | 40 MCQs |
| (b) English.....   | 15 MCQs |
| (c) Chemistry..... | 10 MCQs |
- \*65 marks to be considered as 100% marks for determining merit.*
- Each correct answer will carry one mark and there will be no negative marking.
- 5.4 The Entrance Test(s) Admit Card/Roll Number Slips will be issued to each eligible candidate at prescribed fee per test. This fee is non-refundable and non-adjustable.
- 5.5 The result of the Entrance Test(s) will be displayed on the Main Notice Board of the UET, Main Campus, Peshawar and University website <http://www.enggentrancetest.pk>.
- 5.6 (a) All candidates seeking admission to Engineering Institutions in private sector within the geographical territory of Khyber Pakhtunkhwa will have to appear in the Centralized Entrance Test(s) to be conducted by ETEA.
- (b) Candidates hailing from other Provinces will be

considered for admission if they appear in the entrance test conducted by ETEA or any other Pakistan Engineering Council (PEC) accredited public sector engineering university of their respective province.

## 6. DETERMINATION OF MERIT

6.1 Merit of candidates will be determined according to the following criteria:

- a) 10% weightage to SSC Marks
  - b) 40% weightage to marks in Part-I of Intermediate or equivalent examination (adjusted marks)
  - c) 50% weightage to Entrance Test Marks
- a) In case a candidate has completed his/her intermediate or equivalent qualification in 2023 or before, his/her Part-I result will be used in computation of aggregate score calculation for merit determination.
  - b) In case of foreign qualification/Cambridge system of education/equivalent, A(S) level equivalency will be used for merit determination. Letter grade will be converted to percent marks by IBCC formula. IBCC equivalent certificate is required to be submitted after admission.
  - c) In case of Diploma of Associate Engineer (DAE) 40% weightage in merit aggregate score will be calculated based on 1<sup>st</sup> and 2<sup>nd</sup> year results.
  - d) In determining the merit of an applicant having Intermediate (Pre-Medical) with Mathematics as an additional subject, the marks obtained in the subject of Biology will be replaced by those obtained in Mathematics. Marks obtained in Mathematics, percentage shall be used in calculation of merit score. However, candidate whose exams/results are awaited, his/her application will be processed on the basis of Hope Certificate while the candidate should provide the following documents one week before the commencement of his/her Final examination of 1<sup>st</sup> semester. If he/she fails to provide the following documents then his/her admission shall stand cancelled.
    - i. F.Sc. Part I & II original documents
    - ii. F.Sc. Additional Maths DMCs Part I & II (in case of Pre-Medical).
    - iii. Equivalency Certificates from IBCC in case of O-level & A-level examination.
  - e) Applicants who cancelled their papers in 1<sup>st</sup> Year F.Sc. or equivalent with the hope to improve in 2<sup>nd</sup> Year F.Sc. or equivalent examination, will also be considered for admission on the basis of Hope Certificate, however, they will be required to fulfill all admission formalities as mentioned in clause-6.1(b).
  - f) In case an applicant gets less marks mentioned in his/her Hope Certificate, he/she will be admitted to a lower position in the merit/waiting list according to the order of preferences that he/she has provided in admission form corresponding to his/her actual marks. If he/she gets higher marks in the final result than the marks in his/her Hope Certificate, then he/she shall not claim upper position in the merit/waiting list.
- 6.2 The interse merit of candidates applying for reserved categories/seats shall also be determined

- on the basis of Entrance Test, Intermediate Part-I or equivalent and SSC marks as in the case of open merit.
- 6.3 To determine merit, total marks obtained by a candidate in Intermediate Examination shall be adjusted in the manner given below:
- For each additional attempt to pass or to improve Intermediate examination, (Part-I & Part-II), candidates will lose 10 marks. However, in any case, the total deduction of marks under this clause shall not exceed 20.
  - Candidates taking Mathematics as an additional subject shall also lose 10 marks.
  - If a candidate is Hafiz-e-Quran, he/she will get an additional twenty marks, provided that he/she qualifies the test conducted by UET Peshawar on the date and time notified for the purpose.
- 6.4 In case of a tie in any merit position for admission, the marks obtained in Intermediate Part-I / equivalent examination shall over-ride. In case of a further tie, the age of the applicants shall be the criteria and the older candidate shall get preference.
- 7. ADMISSION PROCEDURE**
- 7.1 The Directorate of Admissions shall call applications for admission to B.Sc. Engineering. The Admission Committee shall process all valid applications received for admission to B.Sc. Engineering.
- 7.2 Admission of candidates shall be based on their merit score, choice of disciplines and campuses given in the application form.
- 7.3 Provisional merit list will be prepared and displayed on the Notice Board of the University Main Campus, Peshawar and University Websites <https://www.EnggEntranceTest.pk> and <https://www.uetpeshawar.edu.pk>
- 7.4 The provisionally selected candidates will be informed through University official webpages <https://www.enggentrancetest.pk> / [www.uetpeshawar.edu.pk](https://www.uetpeshawar.edu.pk) and display on University's Notice Board. It is the responsibility of candidates to check the Notice Boards at University's Main Campus, Peshawar /University official webpages and appear for admission on the date announced.
- 7.5
- Candidates can change/update their preferences order before the 1st open merit list at Data Rectification Stage.
  - Correction/Rectification form will be available at the Admission Directorate as per prescribed fee duly notified by the Director Admissions.
  - Copy of previously submitted form will be required to be attached with correction/rectification form.
  - Candidate will be verified through his/her photo on "submitted form" at collection window.
- 7.6 Selected candidates are required to report for interview/admission alongwith their parents / guardian on the dates notified for the purpose. Candidates will be required to complete admission formalities on the same date, failing which the candidate will be marked absent and the seat will be filled by the next candidate on merit.
- 7.7 Subsequent to completion of first phase of admission process, adjustment of seats will be carried out and provisionally admitted students will be allotted disciplines of their higher choices strictly on merit subject to the availability of vacant seats.
- 7.8 Subsequent revised merit lists will only be displayed on the Notice Board of University's Main Campus, Peshawar. No separate offer letters will be issued in this regard. Applicants are responsible to check the notice boards and complete admission formalities by the last date notified, failing which the seats will fall vacant.
- 7.9 Classes will commence on the date notified by the University.
- 7.10 The Admission Committee will recommend names of provisionally selected candidates to the Vice-Chancellor for approval. Admission of candidates will be confirmed after the completion of admission procedure.
- 7.11
- The admission process, including adjustment of seats, shall be completed before the commencement of the classes.
  - Candidates applying for admission on reserved seats must complete all the admission formalities within 10 days from the date of commencement of classes. No admission against any reserved quota shall be allowed after 10 days of the commencement of classes.
  - The Vice Chancellor on the recommendation of the senior Dean may allow late admission/adjustment, in individual cases depending upon the merit of each case upto 15 days after the commencement of classes.
- 7.12 Within 60 days of the last date of admission, particulars of candidates shall be reported to the Vice-Chancellor on the prescribed form alongwith the recommendations of the Admission Committee for approval. After approval of the Vice Chancellor the names of candidates shall be entered in the University students register and registration cards issued to them in token thereof.
- 7.13 Affiliated Engineering Colleges/Institutions shall also provide within 60 days of the last date of admission, a complete list of admitted students and other information as per prescribed proforma, for approval of the Vice-Chancellor, through Directorate of Admissions and shall deposit the prescribed fee for obtaining registration card of their students.
- 7.14 Affiliated Engineering Colleges/Institutions shall follow the University rules and regulations for admission.
- 7.15 Disciplines and campuses allotted to candidates at the end of admission process shall be final and shall not be changed.
- 7.16 No change of Discipline/Campus shall be allowed on a mutual basis.
- 7.17 A bonafide student of this University who joins any other Department/Institution or Academy for the purpose of study shall be liable for immediate

- cancellation of his/her admission.
- 7.18 Changes made in rules or regulations after printing this prospectus shall be deemed to be part of the prospectus.
- 7.19 Petitions against decisions of the Admission Committee shall be heard in the Peshawar High Court, Peshawar.
- 7.20 **Age limit and Gender**  
There is no age restriction for seeking admission to any bachelor's degree at the University. Males, females and transgenders are eligible to apply for all seats.
- 7.21 **Errors and Omissions**  
Admission made as a result of an error, omission or mistake shall not confer any right on an applicant.

**Note:**

Applicants are themselves responsible for checking the Notice Boards of UET, Main Campus, Peshawar or University official websites [www.enggentrancetest.pk](http://www.enggentrancetest.pk) or [www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk) for Merit List and completing admission formalities within specified time limit. Newspaper advertisements are only for the convenience of the applicants.

**8. ADMISSION OF FOREIGN NATIONALS**

- 8.1 Foreign applicants seeking admission should send their applications to Ministry of Finance and Economic Affairs, Government of Pakistan, Islamabad. A certificate should accompany the application form from an appropriate authority of the applicant's country to the effect that the applicant is a bonafide citizen of that country and is financially sound to meet the expenditure on his/her studies.
- 8.2 Foreign applicants shall be required to join the University within 15 days from the date of their arrival in Pakistan alongwith valid study visa, failing which their nominations shall be cancelled.
- 8.3 The Higher Education Commission (HEC), Islamabad, shall issue Foreign Students Identity Cards. The students shall return these cards to HEC, Islamabad after completion of their studies.
- 8.4 Candidates possessing Tourist/Invalid Visas are ineligible for admission.
- 8.5 Ten additional seats have been reserved for Foreign Candidates in Non-Subsidized (Self-Finance) Programs. The nominations shall be made by the Higher Education Commission (HEC), Islamabad.
- 8.6 Afghan Refugees registered in Pakistan with NADRA and nominated by Government of Pakistan, Higher Education Commission, Islamabad, against Non-Subsidized (Self-Finance) Programs or nominated by Government of Pakistan Ministry of Finance and Economics Affairs, Islamabad against their reserved seats on Technical Assistance Program, must fulfill the eligibility conditions of at least 60% un-adjusted marks in Intermediate (Pre-Engineering) or equivalent examination subject to qualifying the Entrance Test(s) conducted by UET Peshawar through ETEA.
- 8.7 Foreign students seeking admission to B.Sc Engineering are required to Pass SAT-I and SAT-II or Entrance test conducted by a public sector Engineering University.
- 8.8 Foreign students must have stayed and studied

- abroad physically and have passed Higher Secondary School Certificate (HSSC) or equivalent examination with at least 60% aggregate marks in the subjects of English, Physics, Chemistry and Mathematics. There shall be no exception to this requirement under PTAP.
- 8.9 If any of the particulars given by the foreign student in his/her application form for admission are found incorrect or facts suppressed, then his/her admission will be cancelled and the Government of Pakistan or University shall not accept any liability what-so-ever in this regard.
- 8.10 Total eight (08) floating seats are reserved for Indian Illegally Occupied Kashmir (IIOK) with a maximum of three (03) students per discipline. The nomination shall be made by the Government of Pakistan, Ministry of Finance and Economic Affairs Division, Islamabad.
- 8.11 If some seats of students belonging to Khyber Pakhtunkhwa are left vacant, the same could be offered to foreign students.
- 9. ADMISSION BY MIGRATION**  
Candidates seeking migration to UET Peshawar shall apply on prescribed form alongwith all required documents, to the Directorate of Admissions. The Admission Committee shall, on payment of Rs.800,000/- (Rupees Eight hundred thousand only) in lump sum as migration fee, recommend admission on migration basis to a student within 15 days of the commencement of semester.
- 9.1 The admission shall be allowed in the same discipline.
- 9.2 a) The applicant is a bonafide student of PEC/NCEAC/ PCATP accredited program or PEC/NCEAC/PCATP recognized foreign university (in case of migration from abroad) from which he/she is seeking admission by migration.  
b) In case of students of a private institution / university, the institution / university from which migration is requested must be ranked higher than UET Peshawar in HEC ranking.
- 9.3 The applicant shall provide a No Objection Certificate from the University/College/ Institution, where he/she has been studying, alongwith a statement/transcript of total number of credit hours qualified by the applicant, and the syllabi of courses studied in order to determine equivalence for admission.
- 9.4 The applicant shall submit a certificate confirming that he/she has not been debarred from taking University examination, nor he/she has been expelled/rusticated from the institution from which he/she intends to migrate and that no disciplinary action is pending against him/her.
- 9.5 The Head of the Department concerned may agree to accept the applicant considering physical facilities in the department and the evaluation of his academic record.
- 9.6 While determining the equivalence of subjects, the concerned Chairman may direct the candidate to repeat those courses in which the candidate has been found deficient.



- 9.7 The Candidates domiciled in Khyber Pakhtunkhwa/erstwhile FATA shall be given preference.
- 9.8 (a) No migration shall be allowed in first, second, seventh and eighth semesters of B.Sc. Engineering / non-engineering programs.  
(b) Not more than a maximum of 50% of credit hours required for the degree program should be transferred.  
(c) Applicant for migration to a particular semester must have already studied and passed all courses equivalent to the courses taught in earlier semesters at this University with a minimum of CGPA of 2.00 with the exception of a maximum of two courses. If migration is allowed, the student must pass the deficient courses.
- 9.9 The application for migration is based on such changes in circumstances, which render it practically impossible for a student to continue his/her studies in his/her parent Institution.
- 9.10 The candidate should satisfy the minimum merit of that discipline/ Department for the relevant session i.e. SSC, Intermediate and Entrance Test(s) Marks.
- 9.11 Migration of a candidate domiciled in Khyber Pakhtunkhwa/ erstwhile FATA and admitted in any Engineering University/College on the quota basis may be considered, if the nominating agency issues a No Objection Certificate (NOC) to the candidate.
- 9.12 No migration is allowed on "mutual" basis.
- 10. CAMPUS TO CAMPUS TRANSFER/MIGRATION**  
UET Peshawar, campus to campus transfer / migration is allowed on a payment of Rs. 800,000 (Eight hundred thousands) in addition to Normal fee to a student within 15 days of commencement of Semester, subject to the availability of seat in the relevant discipline.
- 11. CANCELLATION OF ADMISSION**
- 11.1 A bonafide student of this University may apply in person, or through parents/guardian, for cancellation of admission on a non-judicial stamp paper of minimum available price (not less than Rs. 100/-) duly attested by an Oath Commissioner alongwith Clearance Certificate duly filled and signed in all respects. The Chairman of the concerned department shall cancel the admission of the student.
- 11.2 Cancellation of admission in case of students admitted in other campuses of the University shall be done by the senior most Dean, through Directorate of Admissions on the recommendations of the Chairman of Department concerned.
- 11.3 In case of Cancellation of admission under Clauses 11.1, 11.2, a student can appeal for re-admission, to be considered by the relevant Departmental Committee constituted for this purpose, within a period of one academic year after the cancellation of admission. The recommendations of the committee shall be considered by the Admission Committee for final decision.
- 11.4 If the admission of 1<sup>st</sup> semester student is cancelled

due to any reason, the rules regarding University fee/dues chargeable/refundable mentioned on Page-77 of the prospectus 2025-26 will be applicable. Whereas in all other cases the University fees/dues will be charged up to the last semester attended by the student.

- 11.5 All students seeking cancellation of admission shall submit Clearance Certificate alongwith other documents required for admission cancellation.

## **12. PERMISSION FOR SECOND STREAM OF ELECTRICAL ENGINEERING**

Graduates of Electrical engineering in Power Engineering are allowed to complete course requirements of Communication Engineering, and vice-versa, under the following conditions:

- 12.1 Candidates seeking admission in second stream should have passed B.Sc. Electrical Engineering with a 3.00 CGPA.
- 12.2 The admission shall be granted on merit. The merit shall be determined on the basis of CGPA.
- 12.3 Total 10 floating seats shall be reserved for the second stream.
- 12.4 Only candidates of this university shall be allowed to take admission in the second stream.
- 12.5 Candidates shall be charged full academic year/semester tuition fee and user charges.
- 12.6 Candidates shall be registered for deficient courses rather than for semester. They will be required to clear those subjects of the second stream that they have not studied in the first stream.
- 12.7 Candidates, who have passed the first stream, shall be admitted in the fifth semester for the second stream. However, they will get credit for the common courses already studied in the first stream. Candidates of the second stream may opt to take an examination in any subject in which they are exempted for having passed it during their first stream. However, the previous results of the subjects shall become invalid, once they opt to register the same again.
- 12.8 Admission shall be granted within 15 days of the commencement of the fifth semester of the second stream.
- 12.9 Candidates applying under this category are eligible for admission within two academic years of passing the B.Sc. Electrical engineering in the first stream.
- 12.10 Online application form shall be received on or before the last date to be announced for the purpose.
- 13. ADMISSION IN SECOND DISCIPLINE OF B.Sc ENGINEERING**
- 13.1 Candidates seeking admission into second discipline should have passed their first discipline by obtaining minimum 2.5 CGPA from any recognized Engineering University/College. However, they will be required to clear those subjects of B.Sc. Engineering that they have not studied in their first disciplines.
- 13.2 Candidates should be registered for courses rather than for semesters.
- 13.3 Admission shall be granted within 15 days of the commencement of the first semester of the second

- discipline. However, they will get credit for the common courses already studied in their first disciplines.
- 13.4 Candidates possessing domicile other than Khyber Pakhtunkhwa/erstwhile FATA and those from foreign countries may be considered for admission in second discipline of B.Sc. Engineering. However, candidates from foreign countries will be required to produce NOC from their respective embassies and Government of Pakistan, Ministry of Finance & Economic Affairs, Islamabad.
- 13.5 Each department may admit a total of 7 candidates in second-degree course. Admission for candidates who have domicile other than Khyber Pakhtunkhwa/erstwhile FATA, and candidates from foreign countries, shall be limited to two in each department.
- 13.6 Tuition fee/other user charge shall be charged as under:
- (a) Candidates possessing Khyber Pakhtunkhwa/erstwhile FATA domicile shall be charged a sum of Rs. 18,000/- (Rupees eighteen thousand) per semester at the time of registration, in addition to the normal tuition fee & user charges.
- (b) Candidates having domicile other than Khyber Pakhtunkhwa/erstwhile FATA, and Foreign students shall be charged a sum of Rs. 500,000 (Rupees five hundred thousands) in lump sum at the time of admission, in addition to the normal tuition fee/user charges.
- 13.7 Candidates for the second-degree Program may opt to register for any subject in which they are exempted for having passed it during their first-degree Program. Previous results of the subjects shall become invalid, once they opt to register in the same subject.
- 13.8 A student can apply for a double Degree Program within 10 years (maximum) with effect from date of completion of the first Degree.
- 14. MIGRATION TO OTHER ENGINEERING UNIVERSITIES/ COLLEGES**
- 14.1 A student after taking admission in this University may be allowed to migrate to other institutions after obtaining No Objection Certificate (NOC) from the office of Controller of Examination on the recommendations of the Chairman of the department concerned.
- 14.2 No migration certificate shall be issued unless the student has cleared all the university dues. Migration certificate shall be issued after the cancellation of admission in the department in which the student is studying.
- 14.3 No migration certificate shall be issued to a student who has been debarred from taking university examination or has been expelled or rusticated, as long as the punishment remains enforced.
- 15. SPECIAL PROVISIONS**
- 15.1 In all cases where these regulations are silent, the decision of the Vice Chancellor shall be final.
- 15.2 This prospectus applies to all undergraduate students admitted during the session 2025-26 and onward. Any subsequent change/alteration in the rules made by the competent authority shall also be applicable.
- 15.3 The University authorities reserve the rights to make any changes in the existing statutes, regulations, rules, fee structure, allocation of seats and course of study that may be considered necessary at any time without prior notice.
- 15.4 No student is allowed to maintain simultaneous enrolment in any other program of studies in other educational institutions.
- 15.5 In case a student enrolled in this University is found to be a regular student of some other institution, his/her admission in this University shall be cancelled.
- 15.6 If any of the particulars given by the candidate in his/her application for admission is found incorrect or facts suppressed, he/she shall be not be offered admission. If any incorrect or false statement or suppression of facts is detected after a candidate has been granted admission, then his/her admission shall be cancelled and he/she shall be liable to any other disciplinary or legal action, which the University may deem fit. A student shall be expelled from the University at any time during the course of his/her studies, if for any reason, it is found that he/she was not entitled to admission to this University. A student expelled under this clause shall not be eligible to seek admission again in this university. Moreover, all the fees, funds and other user charges deposited by him shall be forfeited in favor of the University. Further, no show cause notice shall be issued in this regard.
- 15.7 A student will cease to be a regular student as soon as his/her final semester examination is concluded. Such a student shall not be entitled to privileges reserved for regular students.
- 15.8 The University makes all possible efforts for the safety of the students. However, the University shall not be responsible in the event of any injury, damage or loss to a student resulting from any cause, whatsoever, during the course of study.
- 15.9 Students are required to know the rules and regulations mentioned in this prospectus and notified from time to time. Ignorance of rules and regulations does not absolve them of their responsibilities.
- 15.10 Interpretation of these rules and regulations by authorized officers of the University shall be final.

# ADMISSION RULES

## Non-Subsidized (Self Finance) Engineering Programs

### 1. GENERAL

- 1.1 The University offers non-subsidized fee scheme in the following disciplines:

| S.No   | DEPARTMENT                                   | SEATS |
|--------|----------------------------------------------|-------|
| 1      | Deptt. of Civil Engg., Peshawar              | 100   |
| 2      | Deptt. of Civil Engg., Jalozai               | 40    |
| 3      | Deptt. of Civil Engg., Bannu                 | 40    |
| 4      | Deptt. of Mechanical Engg., Peshawar         | 35    |
| 5      | Deptt. of Mechatronics Engg., Peshawar       | 10    |
| 6      | Deptt. of Chemical Engg., Peshawar           | 15    |
| 7      | Deptt. of Electrical Engg. (Power), Peshawar | 10    |
| 8      | Deptt. of Electrical Engg., (Computing & AI) | 20    |
| 9      | Deptt. of Computer Systems Engg., Peshawar   | 60    |
| 10     | Deptt. of Software Engg., Peshawar           | 50    |
| 11     | Deptt. of Software Engg., Abbottabad         | 50    |
| Total: |                                              | 430   |

- 1.2 Five (05) seats each in the above programs reserved for Pakistani nationals while the rest of the seats will be offered to candidates having Khyber Pakhtunkhwa/erstwhile FATA domicile.

### 2. ADMISSION CRITERIA

- 2.1 The admission criteria shall remain the same i.e. at least 60% (unadjusted) marks in Intermediate (Pre-Engineering/Pre-Medical /Computer Science/Equivalent) and appearing in the Entrance Test conducted by ETEA (for Khyber Pakhtunkhwa/erstwhile FATA candidates).
- 2.2 Candidates belonging to other provinces must have appeared in the entrance test from their respective public sector universities accredited by Pakistan Engineering Council.
- 2.3 Admission against these seats shall be on the basis of merit interse.
- 2.4 Besides clauses mentioned above, all other relevant clauses given in the Undergraduate Prospectus 2025-26 shall be applicable to this program of admission. In case of a conflict with the relevant clauses mentioned elsewhere in the Prospectus, these clauses shall prevail.



# ADMISSION RULES (Non-Engineering Programs)

## 1. GENERAL

Admission to the non-engineering programs shall be advertised alongwith other undergraduate programs. Online applications for admission should be submitted on or before the last date announced for the purpose. Currently, the University offers the following disciplines under non-engineering programs:

- 1.1 Five-Years Program of Bachelor of Architecture (Abbottabad and Peshawar Campus)
- 1.2 Four-Years Program of Bachelor of Interior Design (Peshawar Campus)
- 1.3 Four-Years Program of Bachelor of Computer Science (Peshawar, Jalozai and Abbottabad Campus)
- 1.4 Four-Years Program of Bachelor of Data Science (Peshawar Campus)

## 2. ELIGIBILITY CRITERIA FOR COMPUTER SCIENCE & DATA SCIENCE

- 2.1 Candidates must have the domicile from Khyber Pakhtunkhwa or erstwhile FATA.
- 2.2 Candidates applying for admission to B.Sc. Computer Science and B.Sc. Data Science must have passed:
  - a. Intermediate / DAE or equivalent examination with mathematics as a subject and have obtained atleast 50% unadjusted marks.
  - b. Intermediate with Pre-Medical or equivalent examination and have obtained atleast 50% unadjusted marks (such candidates, if admitted, are required to study two additional Mathematics courses, worth six (06) credit hours, during first year).
- 2.3 Candidates applying for B.Sc. Computer Science and B.Sc. Data Science are exempted from Entrance test.

## 3. ELIGIBILITY CRITERIA FOR BACHELOR OF ARCHITECTURE

- 3.1 Candidates must have the domicile of Khyber Pakhtunkhwa or erstwhile FATA.
- 3.2 Candidates who have passed Intermediate (Pre-Engineering / Pre-Medical) or equivalent examination and have obtained at least 60% unadjusted marks with any of the following combinations are eligible to apply for admission to non-engineering programs:
  - a. Physics, Mathematics, Chemistry
  - b. Physics, Mathematics, Computer Science
  - c. Physics, Biology, Chemistry

Candidates with the qualification mentioned in section 3.2 (c) who do not have a background in mathematics shall complete the "Mathematics for Architects" course to be offered in Bachelor of Architecture during the foundation year to address any deficiency in mathematics.
- 3.3 Diploma holders who have obtained at least 60% unadjusted marks in Diploma of Architecture or Civil Technology are also eligible for admission to Bachelor of Architecture Program.
- 3.4 Candidates for Bachelor of Architecture Program shall have to appear in the Entrance Test to be conducted by ETEA.

## 4. ELIGIBILITY CRITERIA FOR BACHELOR OF INTERIOR DESIGN

- 4.1 Candidates who have passed Intermediate / Equivalent examination and have obtained at least 50% unadjusted marks.
- 4.2 Diploma holders who have obtained at least 50% are eligible for Admission
- 4.3 Eligible candidates for Interior Design must appear in Aptitude Test and shall be exempted from ETEA Entrance Test.

## 5. DETERMINATION OF MERIT

Merit of candidates will be determined according to the following criteria:

### 5.1 Bachelor of Science in Computer Science and Data Science

- (a) 40% weightage to SSC Marks
- (b) 60% weightage to Intermediate Part-I or equivalent Marks (adjusted marks)

### 5.2 Bachelor of Architecture

- (a) 10% weightage to SSC Marks
- (b) 40% weightage to Intermediate Part-I or Intermediate equivalent Marks (adjusted marks)
- (c) 35% weightage to Entrance Marks
- (d) 15% weightage to Interview Marks

### 5.3 Bachelor of Interior Design

- (a) 10% weightage to SSC Marks
- (b) 40% weightage to HSSC Marks
- (c) 30% weightage to Drawing test Marks
- (d) 10% weightage to creative writing/General Knowledge Marks
- (e) 10% weightage to Interview Marks

### Note:

In case of Diploma of Associate Engineer (DAE) in Civil and Architecture: 40% weightage in merit aggregate score will be calculated based on 1<sup>st</sup> year and 2<sup>nd</sup> year results only.

## 5. ADJUSTMENT OF MARKS

To determine merit, total marks obtained by a candidate in the Intermediate Examination shall be adjusted as mentioned in the Admission Rules under engineering programs.

## 7. ADMISSION PROCEDURE

- 7.1 Admission Committee shall consider all applications complete in all respects and received within the due dates for admission and prepare a merit list. The merit list shall be displayed on the Notice Board of the Main Campus of the University on the date announced.
- 7.2 Selected candidates will be informed through the University's official websites/display on notice board/SMS. Candidates are responsible for completing their admissions by the last date as per schedule.
- 7.3 Any seats falling vacant in the first phase of admission will be offered to the next candidates in order of merit.
- 7.4 Classes will commence on the date notified by the University.
- 7.5 No further admission shall be allowed after the commencement of classes.

### Note:

Applicants are responsible for checking the Notice Boards of UET, Main Campus, Peshawar/University official websites [www.enggtrancetest.pk](http://www.enggtrancetest.pk)/[www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk) for Merit Lists and completing admission formalities within specified time limit. Newspaper advertisements are only for the convenience of the applicants.

| Seat Allocation | Computer Science |         |            |       | Data Science | Artificial Intelligence |       | Cyber Security (Peshawar) | Architecture (Abbottabad) | Architecture (Peshawar) | Interior Design (Peshawar) | TOTAL |
|-----------------|------------------|---------|------------|-------|--------------|-------------------------|-------|---------------------------|---------------------------|-------------------------|----------------------------|-------|
|                 | Peshawar         | Jalozai | Abbottabad | Bannu |              | Peshawar                | Bannu |                           |                           |                         |                            |       |
| Open Merit      | 270              | 100     | 100        | 50    | 50           | —                       | 50    | —                         | 45                        | —                       | 50                         | 715   |
| Non-Subsidized  | 30               | —       | —          | —     | —            | 50                      | —     | 50                        | —                         | 45                      | —                          | 175   |

# ADMISSION RULES

UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus

## Allocation of Seats 2025-26 in Open Merit (Province of Khyber Pakhtunkhwa)

For Admission to B.Sc Engineering Programs (Peshawar, Abbottabad, Bannu & Jalozai Campus)

| S.No | Details                                                                                                                                    | Agricultural Engg. | Chemical Engg. | Civil Engg. |       |          | Electrical Engineering |    |    |               |    |    |                                          |    | Energy Engineering (CAS-E) | Industrial Engineering |          | Mechanical Engineering |          | Mining Engg. | Com. System Engg. | Software Engineering |          | Mechatronics Engg. | Electronics Engg. (Abbottabad) | Floating | Total |
|------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|-------------|-------|----------|------------------------|----|----|---------------|----|----|------------------------------------------|----|----------------------------|------------------------|----------|------------------------|----------|--------------|-------------------|----------------------|----------|--------------------|--------------------------------|----------|-------|
|      |                                                                                                                                            |                    |                | Jalozai     | Bannu | Peshawar | Power                  |    |    | Communication |    |    | Computing & Artificial Intelligence (AI) |    |                            | Jalozai                | Peshawar | Jalozai                | Peshawar |              |                   | Jalozai              | Peshawar |                    |                                |          |       |
| 1.   | Open Merit (Khyber Pakhtunkhwa)                                                                                                            | 32                 | 85             | 40          | 50    | 70       | 70                     | 60 | 30 | 90            | 40 | 30 | 30                                       | 50 | 40                         | 70                     | 80       | 135                    | 20       | 53           | 50                | 50                   | 40       |                    | 1215                           |          |       |
| 2.   | Erstwhile FATA                                                                                                                             | 4                  |                | 2           | 6     | 8        |                        |    |    | 6             | 10 |    |                                          |    |                            |                        |          | 12                     | 6        | 6            |                   |                      |          |                    | 60                             |          |       |
| 3.   | Foreign Students                                                                                                                           |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          |                    |                                |          |       |
|      | a) Self Finance                                                                                                                            |                    |                |             |       |          |                        |    |    |               |    | 4  |                                          |    |                            | 1                      |          | 3                      |          |              |                   | 2                    |          |                    | 10                             |          |       |
|      | b) Technical Assistance Programme                                                                                                          | 1                  |                |             |       | 4        |                        |    |    |               | 4  |    |                                          |    |                            | 1                      |          | 3                      | 1        |              | 2                 |                      |          |                    | 16                             |          |       |
|      | c) Bangladeshi                                                                                                                             |                    |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            |                        |          | 1                      | 1        |              |                   |                      |          |                    | 3                              |          |       |
|      | d) Afghan Refugees                                                                                                                         |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        | 4        |              |                   |                      |          |                    | 4                              |          |       |
|      | e) Indian Occupied Kashmiri (IOK)                                                                                                          |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 8                  | 8                              |          |       |
|      | f) Organization of Islamic Countries (OIC)                                                                                                 |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 3                  | 3                              |          |       |
|      | g) Sri Lankan                                                                                                                              |                    |                |             |       | 2        |                        |    |    |               | 1  |    |                                          |    |                            |                        |          | 1                      | 1        | 1            |                   |                      |          |                    | 5                              |          |       |
| 4.   | Azad Jammu Kashmir                                                                                                                         | 1                  |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            | 1                      |          | 1                      | 1        | 1            |                   |                      |          |                    | 6                              |          |       |
| 5.   | Gilgit Baltistan                                                                                                                           |                    |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            |                        |          | 1                      | 1        | 1            | 1                 |                      | 1        |                    | 6                              |          |       |
| 6.   | Balochistan                                                                                                                                |                    |                |             |       | 1        |                        |    |    |               | 2  |    |                                          |    |                            |                        |          | 2                      | 1        |              |                   |                      |          |                    | 6                              |          |       |
| 7.   | Punjab                                                                                                                                     | 1                  |                |             |       | 2        |                        |    |    |               | 2  |    |                                          |    |                            |                        |          | 2                      | 3        |              |                   |                      |          |                    | 10                             |          |       |
| 8.   | Sindh                                                                                                                                      | 1                  |                |             |       | 1        |                        |    |    |               | 1  |    |                                          |    |                            |                        |          | 2                      |          |              |                   |                      |          |                    | 5                              |          |       |
| 9.   | Army                                                                                                                                       |                    |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            |                        |          | 1                      |          |              |                   |                      |          |                    | 2                              |          |       |
| 10.  | Air Force                                                                                                                                  |                    |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          |                    | 1                              |          |       |
| 11.  | Victims of Army Public School Peshawar                                                                                                     |                    |                |             |       |          |                        |    |    |               | 1  |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          |                    | 1                              |          |       |
| 12.  | Wards of UET Employees                                                                                                                     |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 23                 | 23                             |          |       |
| 13.  | Son/Daughters of Univ. of Peshawar Employees                                                                                               |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 2                  | 2                              |          |       |
| 14.  | Son/Daughters of Islamia Coll.                                                                                                             |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 3                  | 3                              |          |       |
| 15.  | Balochistan Province (HEC Nominees)                                                                                                        |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        | 1        | 1            |                   |                      |          |                    | 3                              |          |       |
| 16.  | Son/Daughters of Agricultural Univ., Peshawar Employees                                                                                    |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 1*                 | 1                              |          |       |
| 17.  | Sons/Daughters of all Govt. Polytechnic Institutes, Govt. Colleges of Technologies and Govt. Technical & Vocational Centers (KP) Employees |                    |                |             |       |          |                        |    |    |               |    |    |                                          |    |                            |                        |          |                        |          |              |                   |                      |          | 2*                 | 2                              |          |       |
|      | TOTAL                                                                                                                                      | 40                 | 85             | 42          | 56    | 88       | 70                     | 60 | 30 | 96            | 70 | 30 | 30                                       | 50 | 40                         | 74                     | 80       | 164                    | 37       | 64           | 50                | 55                   | 42       | 42                 |                                | 1395     |       |

\* These floating seats are reserved only in Computer Systems Engineering (Peshawar), Industrial Engineering (Peshawar), Mechatronics Engineering (Peshawar) and Electronics Engineering (Abbottabad). UET Peshawar offers Admission in open merit seats to All Pakistan nationals in Agricultural Engineering, Energy Engineering, Industrial Engineering (Peshawar & Jalozai Campus), Mining Engineering, Mechanical Engineering (Jalozai Campus), Electronics Engineering, Software Engineering (Abbottabad Campus) and Electrical Engineering, (Communication) Bannu Campus. However, priority will be given to the Khyber Pakhtunkhwa domicile holders

## ALLOCATION OF SEATS

UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus

### 18. Reserved Quotas Merit based seats

A combined merit list among the following categories will be made for selection of the candidates according to their merit score and choice of disciplines in the application form.

| Category |                                | No. of Seats | PESHAWAR CAMPUS              |                   |                                  |                  |              |                       |                  | Total |
|----------|--------------------------------|--------------|------------------------------|-------------------|----------------------------------|------------------|--------------|-----------------------|------------------|-------|
|          |                                |              | Agricultural / Chemical Engg | Civil Engineering | Electrical Engg. (Communication) | Mechanical Engg. | Mining Engg. | Computer Systems Engg | Industrial Engg. |       |
| a)       | Merged Area of Hazara Division | 2            | 1                            | 1                 | 2                                | 1                | 1            | 1                     | 1                | 9     |
| b)       | District Chitral               | 1            |                              |                   |                                  |                  |              |                       |                  |       |
| c)       | District Kohistan              | 1            |                              |                   |                                  |                  |              |                       |                  |       |
| d)       | Gadoon Area                    | 1            |                              |                   |                                  |                  |              |                       |                  |       |
| e)       | District Shangla               | 1            |                              |                   |                                  |                  |              |                       |                  |       |
| f)       | Disabled Persons               | 1            |                              |                   |                                  |                  |              |                       |                  |       |
| g)       | Sports                         | 2            |                              |                   |                                  |                  |              |                       |                  |       |

### 19. Nomination Quotas Merit based seats

Admission of the nominated candidates against the following categories shall be on the basis of their merit scores and disciplines mentioned in their nomination letters.

| Category |                                                         | No. of Seats | PESHAWAR CAMPUS              |                                       |                       |                   |                                  |                  | Total |
|----------|---------------------------------------------------------|--------------|------------------------------|---------------------------------------|-----------------------|-------------------|----------------------------------|------------------|-------|
|          |                                                         |              | Industrial / Mechanical Engg | Chemical / Mining / Agricultural Engg | Computer Systems Engg | Civil Engineering | Electrical Engg. (Communication) | Mechanical Engg. |       |
| a)       | Victims of Army Public School (APS) Peshawar            | 1            | 2                            |                                       | 1                     | 1                 | 2                                | 2                | 8     |
| b)       | Son/Daughters of Agricultural Univ., Peshawar Employees | 1            |                              |                                       |                       |                   |                                  |                  |       |
| c)       | Son/Daughters of Gomal Univ., Employees                 | 1            |                              |                                       |                       |                   |                                  |                  |       |
| d)       | Federal Capital Area                                    | 1            |                              |                                       |                       |                   |                                  |                  |       |
| e)       | Army                                                    | 1            |                              |                                       |                       |                   |                                  |                  |       |
| f)       | Azad Jammu & Kashmir                                    | 1            |                              |                                       |                       |                   |                                  |                  |       |
| g)       | Gilgit Baltistan                                        | 1            |                              |                                       |                       |                   |                                  |                  |       |
| h)       | Sons/Daughters of Police Shuhada's (KP)                 | 1            |                              |                                       |                       |                   |                                  |                  |       |

### 20. Undergraduate Open Merit/Non Subsidized Seats For Afghan Refugees through Afghan Commissionerate, KPK

| S No.       | Department                         | Category |                | Seats | S No. | Department                      | Category |                | Seats |
|-------------|------------------------------------|----------|----------------|-------|-------|---------------------------------|----------|----------------|-------|
|             |                                    | Open     | Non-Subsidized |       |       |                                 | Open     | Non-Subsidized |       |
| 1.          | Agriculture Engg., Peshawar        | 01       | 00             | 01    | 11.   | Mechanical Engg., Peshawar      | 02       | 00             | 02    |
| 2.          | Chemical Engg., Peshawar           | 02       | 02             | 04    | 12.   | Mechanical Engg., Jalozai       | 00       | 02             | 02    |
| 3.          | Civil Engg., Peshawar              | 01       | 02             | 03    | 13.   | Mining Engg., Peshawar          | 03       | 00             | 03    |
| 4.          | Civil Engg., Bannu                 | 02       | 02             | 04    | 14.   | Computer System Engg., Peshawar | 00       | 02             | 02    |
| 5.          | Civil Engg., Jalozai               | 00       | 02             | 02    | 15.   | Mechatronics Engg., Peshawar    | 00       | 02             | 02    |
| 6.          | Electrical Engg., (Comm), Peshawar | 01       | 02             | 03    | 16.   | Electronics Engg., Abbottabad   | 02       | 00             | 02    |
| 7.          | Electrical Engg., (Comm), Bannu    | 01       | 02             | 03    | 17.   | Computer Science, Peshawar      | 02       | 00             | 02    |
| 8.          | Electrical Engg., Jalozai          | 03       | 02             | 05    | 18.   | Computer Science, Jalozai       | 04       | 00             | 04    |
| 9.          | Industrial Engg., Peshawar         | 00       | 02             | 02    | 19.   | Architecture, Abbottabad        | 05       | 00             | 05    |
| 10.         | Industrial Engg., Jalozai          | 02       | 00             | 02    |       |                                 |          |                |       |
| Total Seats |                                    |          |                |       |       |                                 |          |                | 53    |



# UNIVERSITY FEE

**TABLE 1: FEE STRUCTURE FOR ADMISSIONS AGAINST OPEN MERIT SEATS  
(ENGINEERING PROGRAMS)**

| S.N | Name of Department                                               | Campus     | No. of Installments        | 1st Semester | 2nd Semester | 3rd Semester | 4th Semester | 5th Semester | 6th Semester | 7th Semester | 8th Semester | Total (Amount in PKR) |
|-----|------------------------------------------------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|
| 1   | Agricultural Engineering                                         | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 2   | Chemical Engineering                                             | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 3   | Civil Engineering                                                | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 4   | Computer Systems Engg:                                           | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 5   | Electrical Engg:<br>(Power, Communication, Computing & AI)       | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 6   | Industrial Engineering                                           | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 7   | Mechanical Engineering                                           | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 8   | Mechatronics Engg:                                               | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 9   | Mining Engineering                                               | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 10  | Energy Engineering                                               | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 11  | Civil Engineering                                                | Bannu      | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 12  | Electrical Engineering                                           | Bannu      | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 13  | Civil Engineering                                                | Jalozai    | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 14  | Electrical Engineering<br>(Power, Communication, Computing & AI) | Jalozai    | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 15  | Industrial Engineering                                           | Jalozai    | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 16  | Mechanical Engineering                                           | Jalozai    | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 17  | Electronics Engineering                                          | Abbottabad | 1 <sup>st</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 518460                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        |                       |
| 18  | Software Engineering                                             | Abbottabad | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                                                                  |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |

# UNIVERSITY RULES AND REGULATIONS

UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus

**TABLE 2: FEE STRUCTURE FOR ADMISSIONS AGAINST OPEN MERIT SEATS (NON-ENGINEERING PROGRAMS)**

| S.N | Name of Department      | Campus     | No. of Installments        | 1st Semester | 2nd Semester | 3rd Semester | 4th Semester | 5th Semester | 6th Semester | 7th Semester | 8th Semester | Total (Amount in PKR) |
|-----|-------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|
| 1   | Computer Science        | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 2   | Data Science            | Peshawar   | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 3   | Interior Design         | Peshawar   | 1 <sup>st</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        | 518460                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        |                       |
| 4   | Computer Science        | Jalozai    | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 5   | Computer Science        | Abbottabad | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 734485                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        |                       |
| 6   | Computer Science        | Bannu      | 1 <sup>st</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        | 518460                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        |                       |
| 7   | Artificial Intelligence | Bannu      | 1 <sup>st</sup> Instalment | 40000        | 40000        | 46000        | 40000        | 52600        | 40000        | 59860        | 40000        | 518460                |
|     |                         |            | 2 <sup>nd</sup> Instalment | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        | 20000        |                       |

## BACHELOR OF ARCHITECTURE (5 YEARS PROGRAM)

| S.N | Name of Department          | Campus     | No. of Installments        | 1st Semester | 2nd Semester | 3rd Semester | 4th Semester | 5th Semester | 6th Semester | 7th Semester | 8th Semester | 9th Semester | 10th Semester | Total (Amount in PKR) |
|-----|-----------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------------------|
| 1   | Architecture (Open Merit)   | Abbottabad | 1 <sup>st</sup> Instalment | 45000        | 45000        | 53500        | 45000        | 62850        | 45000        | 73135        | 45000        | 84449        | 45000         | 943934                |
|     |                             |            | 2 <sup>nd</sup> Instalment | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000        | 40000         |                       |
| 2   | Architecture (Self-Finance) | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 154256       | 80000         | 1776816               |
|     |                             |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000         |                       |

**TABLE 3: FEE STRUCTURE FOR ADMISSIONS AGAINST NON-SUBSIDIZED (SELF-FINANCE) SEATS**

| S.N | Name of Department                                                  | Campus     | No. of Installments        | 1st Semester | 2nd Semester | 3rd Semester | 4th Semester | 5th Semester | 6th Semester | 7th Semester | 8th Semester | Total (Amount in PKR) |
|-----|---------------------------------------------------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|
| 1   | Civil Engineering                                                   | Peshawar   | 1 <sup>st</sup> Instalment | 95000        | 95000        | 114000       | 95000        | 134900       | 95000        | 157890       | 95000        | 1641790               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        |                       |
| 2   | Computer Systems Engg:                                              | Peshawar   | 1 <sup>st</sup> Instalment | 95000        | 95000        | 114000       | 95000        | 134900       | 95000        | 157890       | 95000        | 1641790               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        |                       |
| 3   | Software Engineering                                                | Peshawar   | 1 <sup>st</sup> Instalment | 95000        | 95000        | 114000       | 95000        | 134900       | 95000        | 157890       | 95000        | 1641790               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        | 95000        |                       |
| 4   | Electrical Engineering (Power, Computing & Artificial Intelligence) | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 5   | Mechanical Engineering                                              | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 6   | Mechatronics Engineering                                            | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 7   | Chemical Engineering                                                | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 8   | Civil Engineering                                                   | Jalozai    | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 9   | Civil Engineering                                                   | Bannu      | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 10  | Software Engineering                                                | Abbottabad | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 11  | Computer Science                                                    | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 12  | Cyber Security                                                      | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |
| 13  | Artificial Intelligence                                             | Peshawar   | 1 <sup>st</sup> Instalment | 80000        | 80000        | 96000        | 80000        | 113600       | 80000        | 132960       | 80000        | 1382560               |
|     |                                                                     |            | 2 <sup>nd</sup> Instalment | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        | 80000        |                       |

1. The 1st installment of 1st semester shall be paid on the day of admission.
2. The 2nd installment of each semester shall be paid within two weeks of the respective Mid-term examination.
3. The fee will be increased by 10% every year.

**FEE FOR FOREIGN NATIONALS ON NON-SUBSIDIZED (SELF FINANCE) BASIS**

- (i) A sum of US \$ 15,000.00 or equivalent in Pakistani Rupees shall be charged in addition to the normal user charges payable by other students. This amount will be deposited in lump sum at the time of admission to first semester B.Sc. Engineering.
- (ii) Foreign Students admitted under the "Cultural Exchange Program" or "Technical Assistance Program" shall pay tuition fee as per government rules in addition to other user charges.

**Refund Policy**

- (a) In case of Admission Cancellation the refund Policy is as under:

| Timeline*                                               | Percentage of Tuition Fee |
|---------------------------------------------------------|---------------------------|
| Up to 10 <sup>th</sup> day of commencement of classes   | 100% fee refund           |
| Up to 15 <sup>th</sup> day of commencement of classes   | 80% fee refund            |
| Up to 20 <sup>th</sup> day of commencement of classes   | 60% fee refund            |
| Up to 30 <sup>th</sup> day of commencement of classes   | 50% fee refund            |
| 31 <sup>st</sup> day onwards of commencement of classes | No refund                 |

\* Timeline shall be calculated continuously covering both weekdays and weekends.

- (b) The fee paid as an admission fee is nonrefundable.
- (c) Any fee payable at the time of initial application is non-refundable under any circumstances.
- (d) A student expelled from the university due to disciplinary misconduct shall not be eligible for any refund, except for the refundable Security Fee.
- (e) In case a student is transferred from one discipline to another during the adjustment of seats, the fee and other user charges shall be adjusted accordingly.
- (f) A penalty/fine @ 0.025% will be charged per day for the outstanding amount against each student at the end of last date for submission of dues for a period of maximum two semesters, thereafter the student admission status will be dealt as per the University rules defined in the Prospectus.
- (g) In case of students admitted to other universities on Reciprocal basis, the UET Peshawar dues/fee deposited by the student will not be refunded to him/her. The fee deposited by the student will be transferred to the concerned University in which students have been admitted, on production of paid Bank Challan of fee of that University equal to UET Peshawar dues or other University actual dues whichever is less.
- (h) In case of students who got admission as a result of re-advertisement, the timeline for the cancellation of their admission will be counted from the date of admission or commencement of classes whichever is later.
- (i) In case a student fails to pass intermediate / equivalent examination or has passed but obtained less than the required percentage marks for the relevant programs, and informed the University within the first week of declaration of result then full fee shall be refunded to him / her. However, if any incorrect or false statement or suppression of facts is detected during or after admission then his / her admission shall be cancelled immediately and all the fees, funds and other user charges deposited by the student shall be forfeited in favor of the University.
- (j) No refund of fees shall be allowed to the HSSC Pre-Medical qualification students whose provisional admission is cancelled due to their failure in the eight-week condensed Mathematics program.



## **Reservation of 110 additional seats under directives of the Prime Minister of Pakistan “Award of 3000 seats for Afghan Nationals on non-subsidized scheme for the academic session 2025-26”**

110 additional seats are reserved for Afghan Nationals on floating basis in non-subsidized programs of the UET, Peshawar for admission to B.Sc. Engineering/Non-Engineering for the academic session 2025-26 under the Directives of the Prime Minister of Pakistan “Award of 3000 seats for Afghan Nationals”.

In case, the number of candidates exceeds the PEC approved limit, then a special permission be sought from PEC for considering/allowing these admissions as over and above the admissible limit in the departments concerned.

Nomination against these seats shall be made by the Government of Pakistan, Higher Education Commission, Islamabad. Afghan Nationals seeking admission against the above reserved seats must fulfill the eligibility requirement of at least 60% unadjusted marks in intermediate (Pre-Engineering or equivalent examination). The disciplines shall be allotted according to their merit.

### **Note:**

Hostel facility will not be available to the following candidates:

1. Afghan Nationals selected under the above 110 additional seats under the directives of Prime Minister of Pakistan.
2. For boys studying in 1<sup>st</sup> semester at UET, Abbottabad Campus.

## **Eligibility for Admission Against the Reserved Seats for Pakistan Marine Academy, Karachi**

Five (05) seats have been reserved in the Department of Mechanical Engineering, UET Peshawar on non-subsidized (Self Finance) basis for Marine Academy, Karachi. Admitted candidates will be charged at par with other Non-Subsidized students for a **period of two years**, in addition to the normal tuition fee & user charges.

- They must have Khyber Pakhtunkhwa/erstwhile FATA domicile.
- They must have appeared in the Entrance Test(s) conducted by the Government of Khyber Pakhtunkhwa, Educational Testing and Evaluation Agency (ETEA) Peshawar. The Entrance test is valid for one academic year only.
- F.Sc (Pre-Engineering) certificate with the subjects of Mathematics, Physics and Chemistry from a recognized Board of Intermediate and Secondary Education Pakistan with at least 60% unadjusted marks.
- Candidate seeking admission should have passed the Associate Engineering Degree with Minimum CGPA of 2.50 out of 4.00
- Diploma Holder/B.Tech are not eligible for admission against these seats.
- Application on the prescribed form shall be received on or before the last date to be announced for the purpose.
- The applicant will produce a No Objection Certificate (NOC) from the University/College/Institution, where he/she has been studying alongwith a statement of total number of lectures attended by the applicant, and the syllabus of courses studied in order to determine deficient courses etc, for admission.
- The applicant will submit a certificate confirming that the student has not been debarred from Institution examination nor has been expelled/rusticated from the institution from which he/she intends to join and that no disciplinary action is pending against him/her.
- The Head of the Department of Mechanical Engineering will evaluate the deficient course and the candidate will be informed accordingly.
- Candidates shall be registered for courses rather than for semesters. They will be required to clear those subjects that they have not studied in the Marine Academy.
- Candidates who have passed the Associate Engineering Degree from Marine Academy shall be admitted to the fifth semester. However, they will get credit for the common courses already studied. It should, however, be made clear that previous results of the subjects shall become invalid, once they opt to register in the same subject at UET Peshawar.
- Admission shall be granted within 15 days of the commencement of classes.
- Candidates applying under this category are eligible for admission within two academic years after passing the Associate Engineering degree program.

# EXAMINATION RULES

## 1. BACHELOR DEGREE PROGRAMS

All bachelor degree programs are offered under semester system. Examinations are conducted twice in each semester i.e Mid-Term and Final-Term. Summer semester may be offered during summer for theory subjects.

## 2. MEDIUM OF INSTRUCTION

The medium of instruction and examinations will be English except in Islamiyat, where the option of English and Urdu shall be available.

## 3. ACADEMIC CALENDAR

The Academic year will be divided into two semesters i.e. Fall and Spring. The duration of teaching in each semester shall be fifteen weeks i.e 45 hours of lectures / practical work. Normally, each semester will be spread over 19 weeks duration with the 8th week reserved for midterm examination. Similarly 17th week will be preparatory for final examination while 18th & 19th week reserved for final examination (Theory / Lab). However, the number of weeks may be adjusted by the university provided the duration of teaching as defined above is not reduced.

The senior most Dean will issue a calendar for the academic year before the beginning of Fall semester every year and forward the same to the Register for further necessary action. The calendar will include dates of registration, classes, holidays, examinations and results, etc.

## 4. DURATION OF STUDIES

The minimum duration of studies for completing bachelor degree requirements shall be eight semesters (4 years) for engineering Program or ten semesters (5 years) for B. Architecture, depending on the scheme of studies of various Programs, while the maximum period allowed will be seven years as per PEC rules.

## 5. SCHEME OF STUDIES

### 5.1 General

Course work for earning the degree comprises Theory Courses, Laboratory Courses, and Project. Each course offered at the university is allocated certain credit hours, which is a measure of the amount of work required for the course. For Theory courses, each credit hour means one hour of lecture per week, while for lab courses each credit hours means three hours of practical works per week and in case of Architecture each credit hours means (lab courses) two hours of practical work per week.

During the last two semesters of their study, students carry out projects and write project reports. The project is meant to provide students a holistic experience of entire Engineering / Architecture process. The Project comprised of three credit hours (9 contact hours per week) in each semester. In case of Architecture the project comprised of 10 credit hours (20 contact hours per week) in each semester. Grade "IP" is awarded for Project in the second last semester, which is converted to an appropriate letter grade at the end of last semester, based on student's performance in both semesters.

## 5.2 Curricula

Course work shall be spread over credit hours, as specified in the Scheme of Studies of each Program given in the Undergraduate Prospectus on the pages of the relevant department. Each Course is allocated a Course Number that identifies the department offering the course and the level of the course.

## 6. DEGREE REQUIREMENTS

To earn a B.Sc. Engineering Degree a student must:

- Pass all the courses of study prescribed in the relevant Scheme of Studies.
- Obtain a Cumulative Grade Point Average (CGPA) of at least 2.0
- Complete 8 weeks of supervised internship in a recognized government, semi-government, or private relevant organization.
- To obtain a certificate of learning the Holy Quran with Urdu translation awarded by Quranic Center, UET Peshawar. However, the non-Muslim students who are willing to take the course shall be engaged in other social activities such as plantation, blood donation and anti-drug activities etc., as per guidance and supervision of the director Quranic Center, for which certificate of completion will be issued.
- For Agricultural, Civil and Mining Engineering: Complete the Survey Camp conducted by the university (to be certified by the Chairman, Department of Civil Engineering/Incharge Survey Camp).  
Practical Training may be carried out during summer vacations of 2nd and 3rd academic years and also after completion of the course of studies. On completion of the training, the manager of the organization shall send a report to the Chairman of the department concerned on the prescribed proforma, stating the nature of work and that the work has been satisfactorily completed by the student concerned.
- To earn a Bachelor of Architecture Degree students must complete 12 weeks of internship during 3rd & 4th years with reputable architectural firms. The internship training must be monitored and verified by the Department of Architecture and students shall submit the internship Certificate as issued by the relevant Architectural firm to the Department.
- In case of correction in name in transcript and / or degree please visit [www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk) for relevant rules.

## 7. REGISTRATION

### 7.1 General

The CMS office will consider, by default, all students activated/placed in next higher semester after completion of their previous semester and will also be charged accordingly for the higher semester unless the student has requested in writing to the relevant Chairman for freezing or cancellation of his/her semester or admission respectively **within 15 days of start of classes.**

Before the beginning of classes in each semester, the departments will announce the courses offered and will arrange semester registration for the students. The students are required to register for the semester by filling in the prescribed form available online via Departmental Notice Board and depositing semester fee that are due within the last date announced for the purpose.

The students must register for successive semesters in order and shall not be allowed to register for a semester without having studies the preceding semesters except as noted in section 7.2 below.

The students are required to register for the relevant semester within 15 days of the start of classes. A student who fails to register in a particular semester shall not be eligible for registration in the next higher semester.

## 7.2 Registration in the First Semester

The Directorate of Admissions will forward a list of newly admitted students to each department before the beginning of classes. The departments will arrange registration for the first semester, assign Class Numbers to the students and forward the names of admitted students to the Controller of Examinations for allotting University Registration Number.

Students admitted late due to late nominations by concerned agencies on quota seats shall (a) register for the first semester before the beginning of the midterm examinations, OR (b) if unable to register for the first semester before the midterm exam, they shall register in the second semester and pass first semester courses subsequently.

The duration of a semester in which W grades are awarded to a student, on his / her request, shall be counted toward the four (04) years / eight (08) semesters, (5 years / ten (10) semesters in case of B. Architecture) for completion of his / her Bachelor degree.

## 7.3 Re-registration

A student receiving F or W grade in any course shall be required to re-register in that course. Incomplete (I) grade assigned for missing final term examination due to genuine reason(s) (defined by the HEC i.e Iddat, Maternity/Delivery, Death in the immediate family or any other subject to acceptance on justified rationale), shall be converted into suitable letter grade within one year.

The following Departmental Committee shall make recommendations for re-arrangement of Midterm examination:

1. Chairman/Director
2. Senior Professor
3. Semester Coordinator
4. Concerned Teacher(s)

Applications shall be submitted in the office of Chairman / Director of the relevant department / center by students who miss their Midterm examination, due to aforesaid genuine reason(s) along with the evidence to support the genuineness of the students' application / request. The application / request for arrangement of

Midterm examination supported by relevant evidence / documents shall be submitted by students at the earliest possible. The Committee may send the evidence / documents submitted by students in support of their application / request, if deemed necessary for verification.

The Chairman / Director of the relevant department / center will call a meeting of the Committee and forward its recommendations, of the genuine cases, to the concerned Dean of faculty for endorsement. Midterm examination shall be arranged before final examination. Also fee of Rs. 5000/- per student shall be charged.

Improvement shall be allowed in the following cases:

(i) Improvement in a course (s) is allowed if the grade is C or below C; (ii) Improvement is allowed if CGPA is less than 2.00; (iii) Improvement in a subject (s) is allowed within one year after the declaration of final examination of that semester (iv) There shall be no improvement after the award of degree.

A department may offer Repeated Courses (over and above the regularly scheduled courses) during a regular semester or during the summer session in order to facilitate re-registering students. However, minimum number of students re-registering must be 10; otherwise, the course shall be dropped.

A student may register for a maximum of 08 credit hours during the summer session. During a regular semester (Spring/Fall) a student may re-register for a maximum of 4 credit hours (in addition to the prescribed courses).

If a course is abolished due to a revision in curriculum or scheme of studies, the Chairman of the Department may recommend a relevant course from existing curriculum as a replacement for the candidates who need to re-register in the abolished course. The same shall be reflected in the student's Registration Form and Transcript.

## 7.4 Summer Semester (Optional)

Summer Semester is not part of our regular academic calendar. However, if the University offers a Summer Semester, it should be notified after Spring Semester with the approval of the competent authority.

## 7.5 Interruption of Studies

The Chairman of the department will issue a warning notice to the student who failed to register, withdraw, or freeze his/her registration for two consecutive semesters. The notice will be issued before the expiry of the deadline for registration in the semester. The department will forward the name of a student to the University Admission Committee. The recommendations of the Admission Committee will be forwarded for approval of the Vice Chancellor. The Dean of the Faculty will issue notification (struck off the rolls of the university) to the student after approval of the Vice Chancellor.

## 8. ATTENDANCE REQUIREMENTS

A student is expected to attend 100% of the classes held in course. Under extenuating circumstances, upto 25% shortage of attendance may be condoned. However, in no circumstances a student will be allowed to appear in



the final examination, if the attendance falls below 75% in the course.

## 9. EXAMINATION

### 9.1 Paper Setting

The question paper for midterm and final examinations will be set by the subject Teacher and submitted to the Chairman. The Chairman will check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. Otherwise, the Chairman will refer the paper back to the teacher for revision. There will be no choice of questions in the examinations.

### 9.2 Conduct of Examination

The Controller of Examinations will arrange the midterm and final examinations, including preparation of date sheet, appointment of the invigilation staff, etc. Each examination hall will be supervised by a Superintendent, who will be a senior teacher of the same department, and other staff, who will be from other departments.

### 9.3 Marking of Papers

After marking the midterm exam papers, the teacher will discuss them with the students to give them feedback on their performance. The teacher will then submit the marks to the Semester Coordinator.

After marking the final exams, subject teachers will calculate the grades as per university policy and then submit the marks as well as grades to the Semester Coordinator within the time allotted for the purpose. University approved software shall be used for sharing individual grades / marks with students. However, Q'OBE software shall be used for OBE based result preparation.

### 9.4 Re-checking

Students may apply to the Chairman of the Department for re-checking of their final exam papers within the dates announced for the purpose.

### 9.5 Examination of Affiliated Colleges

- (a) The procedure for preparation of papers for midterm and final term examinations for affiliated colleges shall be as following:
  - (i) The subject teacher of the university and that of affiliated college shall submit two papers each to the Chairman at least one week prior to the commencement of the exams.
  - (ii) The Chairman shall forward the final paper to the controller of examinations.
  - (iii) Question paper for the examination will be prepared by a neutral / external examiner from the prescribed course.
  - (iv) There shall be no choice of questions in the paper.

- (v) The checking of the scripts will be carried out centrally at UET in designated hall, soon after the examination by the concerned class teachers of all the affiliated colleges and UET.
  - (vi) The script jointly marked by faculty members of affiliated institutes and UET, Peshawar will be listed in separate columns on the script front page with precedence to column marked by faculty members from UET, Peshawar.
  - (vii) Incase of deviation of less than 25% in total marks, average of both marking will be awarded to the students.
  - (viii) If the deviation of more than 25% in total marks, to be verified by the chairman of relevant Department, UET Peshawar, such cases will be referred by Controller of Examination to neutral examiner for the said subject, whose decision will be final.
  - (ix) Panel of neutral examiners (at least three for each subject) outside UET, Peshawar will be submitted by the Chairman of relevant department, UET Peshawar for each subject via Controller of Examination. Vice Chancellor will select one neutral examiner from panel of three for each subject and finalized list will be maintained by controller of Examination.
  - (x) Grades shall be awarded as per policy described in 10.2.2.
  - (xi) These rules are applicable from Fall Semester 2007.
- (b) Invigilation of the midterm and final term examinations shall be conducted as per following procedure:
    - (i) The university shall supervise the midterm and final term examinations of the affiliated colleges.
    - (ii) The superintendent of the examination centre shall be the faculty member of the University. The supporting staff shall be appointed by the Controller of Examinations of the UET in consultation with the affiliated colleges.
  - (c) The Affiliated Colleges shall maintain course file of course to be submitted to the Chairman of the concerned department on weekly basis. The department's Board of Studies shall also evaluate the course file.

The records in course file shall include as following:

- (i) Course outline, grading criteria, time table, attendance.
- (ii) Assignments, quizzes, exams along with their solution and results.
- (d) The answer sheets of only midterm examination shall be collected by the affiliated colleges after evaluation by the university teacher. The same shall be returned by the affiliated colleges to the concerned departments of the university at the end of the semester. The answer sheets of both mid term and final term examinations shall be kept by the concerned department of UET for record purpose for a period of two semesters after the final term examination of the same subject.
- (e) The committee constituted by the Vice Chancellor of the UET for checking the ongoing progress of the system in the classrooms of the University will also pay surprise visits to the classrooms of the affiliated colleges.
- (f) The senior most Dean, UET may propose any other appropriate measures to improve the quality of education in affiliated colleges from time to time.

## 10. GRADING

### 10.1 Distribution of Marks

#### 10.1.1 Theory Courses

The distribution of marks for theory courses shall be as follows:

20-30% Sessional evaluation, including home assignments, quizzes, oral tests, class presentations, mini projects etc.

Minimum number of quizzes and assignments shall be linked to the Credit Hours (CH) of a course. For a 2 CH course minimum of 2 assignments and 2 quizzes shall be taken. For a 3 CH course minimum of 3 assignments and 3 quizzes shall be taken.

20-30% Midterm examination.

However, sum of weightage of Sessional evaluation and Midterm examination shall not exceed 50% of the total weightage.

50% Final examination

*Final examination shall be comprehensive (from full course) for a duration of 2-3 hours.*

#### 10.1.2 Lab and Studio Course

##### (a) Studio Courses (for B. Architecture).

The distribution of marks for Design Studio courses vary as per the nature of the design project comprised of studio participation, project description and presentation and jury assessment. The Chairman of the Department has to approve the criteria for each Studio

Course marking.

In case of Studio courses (2nd year to 4th year) the evaluation criteria will be as under:

Sessional Work = 30%  
External Project Evaluation = 70%

In case of Lab course the evaluation criteria will be as under:

|                                                                           |       |           |
|---------------------------------------------------------------------------|-------|-----------|
| Carrying out Lab Work/Lab report/evaluation by Instructor                 | 30%   | 50%       |
| Mid Term Examination                                                      | = 20% |           |
| Final Examination                                                         | = 50% |           |
| Hands-on Experiment/Task evaluation by Instructor/Students for Term Exams |       | 10% - 20% |
| Viva Voce                                                                 |       | 30% - 40% |
| Total                                                                     |       | 100%      |

#### 10.1.3 Final Year Project (B.Sc. Engineering)

The capstone project carried out by student groups in the last two semesters will be marked as follows:

- 35% Sessional work, to be assessed by project supervisor
- 20% Presentations of work to Evaluation Committee
- 45% Viva examination (including evaluation of project report)

The project supervisor will award 15% of the sessional marks at the end of 7th semester and the remaining 20% at the end of 8th semester.

Grade "IP" (In Progress) is awarded for Project in the 7th semester, which is converted to an appropriate letter grade at the end of 8th semester, based on student's performance in both semesters.

A Project Evaluation Committee (notified by the Department Chairman) will assess the progress of the project through four student presentations, each carrying 5% marks. In the first presentation, students will present the project proposal on prescribed format, while in other presentations progress reports will be presented. The presentations will be scheduled as follows:

|                  |                                       |
|------------------|---------------------------------------|
| 1st presentation | Second week of 7th semester           |
| 2nd presentation | Midterm Exam week of 7th semester     |
| 3rd presentation | Final Exam week of the 7th semester   |
| 4th presentation | Midterm Exam week of the 8th semester |

The Viva Voce Examination will be taken by the examination committee comprising the External Examiner, Project Supervisor of the concerned group, and Department Chairman. Each member will award marks out of 15%, making a total of 45% marks.

#### 10.1.4 Final Year Thesis Design Project (B. Architecture)

For Final Year Thesis Design Project evaluation criteria (as per PCATP guidelines) is as under:

Sessional Work = 40%  
Pre Final Jury = 20%

Final Thesis Jury = 40%

## 10.2 Award of Grades

### 10.2.1 General

Grading of student will be through letter grades that indicate the level of performance, as shown below:

- A Excellent
- B Above Average
- C Average
- D Minimum Acceptable
- F Failed. The student must repeat the course to receive credit
- W Withdrawn from the course
- I Incomplete
- IP In Progress
- N Not Eligible due to shortage of attendance

The full spectrum of grades is given in Table-01.

Students may withdraw from one or more courses with the approval of the Chairman of the Department one week after the midterm exam. A copy of the withdrawal approval shall be sent to the Controller of Examinations immediately.

Grade I (Incomplete) shall be awarded to a student only if he/she has missed the final examination, project report, etc. only in exceptional cases beyond the control of a student such as, serious accident, family tragedy, serious health ailments, etc. but has completed all other requirements of the course successfully. The award of grade I shall not cover a student's lethargic attitude, willful absence, or bad performance in class. Grade I should be converted into an appropriate letter grade within one year, otherwise, it shall be changed to an F grade.

A student not fulfilling the attendance requirement shall not be eligible to appear in the final examination and he/she will be awarded N grade.

### 10.2.2 Determining Student Grades

Student Grades in a class shall be determined as below:

- Based on the sessional work, Mid-term and Final-term examination, calculate the actual marks of each student.
- Calculate normalized Marks for each student by multiplying the actual marks obtained with the factor.

$$\frac{\text{Actual Marks}}{100}$$

Average of marks obtained by top 10% students of the class

In case of Design Studio Courses the grading will be based on absolute marking system and in case of other courses the relative marking system will be followed.

- Divide the range from 50 to 100 of the Normalized Marks into ten equal intervals, each of five marks and award letter grade: D, D+, C-, C, C+, B-, B, B+, A- and A accordingly.

- Award F grade to student whose Normalized Marks are less than 50.

### 10.2.3 Grading students in Repeated Courses

A department may offer Repeated Courses (over and above the regularly scheduled courses) during a regular semester or during the summer session in order to facilitate re-registering students. For grading the students in such courses, their Total Marks will be merged with the Total Marks of the same course when it was last offered as a regularly scheduled course. Then the procedure outlined in section 10.2.2 above will be followed to determine the grades of new students. However, the grades of the old students (of regularly scheduled course) will not be affected by this procedure.

### 10.3 Grade Point Averages (GPA)

The Letter Grades awarded to students in a course are assigned Grade Points, as defined in Table 1. The average performance of a student during a particular semester is indicated by the Semester Grade Point Average (SGPA) and the overall performance to date is indicated by Cumulative Grade Point Average (CGPA). These performance indicators are calculated as below.

SGPA = sum of quality points of all courses taken in the semester

Total credit hours taken in the semester

CGPA = sum of quality points of all courses taken to date

Where Both SGPA and CGPA shall be rounded off to two decimal places.

In case a course is repeated, all of the grades obtained shall be reported in their relevant semesters on the transcript; however, only the best grade shall be used to calculate the CGPA.

| Table - 01 |              |       |              |
|------------|--------------|-------|--------------|
| Grade      | Grade Points | Grade | Grade Points |
| A          | 4.00         | C     | 2.00         |
| A-         | 3.67         | C-    | 1.67         |
| B+         | 3.33         | D+    | 1.33         |
| B          | 3.00         | D     | 1.00         |
| B-         | 2.67         | F     | 0.00         |
| C+         | 2.33         |       |              |

## 11. SATISFACTORY ACADEMIC PROGRESS

Students must show satisfactory academic progress in order to remain in good standing. The following rules are meant to ensure that students get timely feedback on their academic progress:

- A student who obtains SGPA of 2.0 or less in any semester shall be issued a written warning by the department chairman. A copy of the warning letter shall also be sent to the parents/guardian.
- A student who obtains SGPA of 2.00 or less for three consecutive regular semesters and his/ her CGPA is less than 2.00, will be required to re-register until he/she



improves CGPA to the minimum requirement for graduation. A written warning of this possibility will be sent to the student (with a copy to parents/ guardian) if his/her SGPA is less than 2.00 for two consecutive semesters.

- 11.3 A student whose CGPA in the first two semesters is less than 1.5 shall not be allowed to register for the third semester until his/her CGPA has improved to 1.5 or more.
- 11.4 A student who has earned three or more F grades in the first two semesters and these F grades are still outstanding at the start of the 5th semester shall not be allowed to register in the 5th semester until he/she passes these courses.
- 11.5 A student must graduate within seven years to be eligible for registration with Pakistan Engineering Council, and eight years, in case of Architecture, to be eligible for registration with Pakistan Council of Architects and Town Planners (PCATP). The student, who have to re-register as per Rule (11) are required to fulfill this requirement. Any student of the University, who breaches this requirement of Pakistan Engineering Council/PCATP due to any reason, whatsoever, shall submit an affidavit to take the responsibility that he/she could not complete his/her degree requirement within stipulated time as required by the Pakistan Engineering Council/PCATP and university will have no responsibility to this effect.
- 11.6 All the Architecture Design Courses offered from 3<sup>rd</sup> Semester (Architecture Design-I) to 10<sup>th</sup> Semester (Thesis Design-II) are declared as prerequisite courses. This rule applies for the Department of Architecture only.

## 12. FREEZING OF SEMESTER

- 12.1 He/She will apply within 15 days of start of the classes.
- 12.2 He/She will be allowed to clear subjects /improve grades prior to "Freezing of Semester".
- 12.3 The student shall pay freezing fee for each the semester.
- 12.4 A student can avail maximum of two (2) opportunities of freezing a semester. However, the number of opportunities will be three (3) for students mentioned in last paragraph of clause 7.2.
- 12.5 Freezing of first semester is not allowed except for students mentioned in last paragraph of clause 7.2.
- 12.6 The duration of freezing will be one year. If a student freezes a semester(s), he/she will resume his/her studies from the same stage where he/she left (froze), except for

students mentioned in last paragraph of clause 7.2.

- 12.7 The maximum duration of the degree program shall remain the same.

## 13. TRANSCRIPTS

The Controller of Examinations shall issue transcripts to the students who apply for the purpose. The transcript shall show all courses taken to date, the grades obtained and along with SGPA of each semester and the current CGPA. The OBE transcript may be issued by the Controller of Examinations as per approved format free of cost.

Grade IP received by a student shall be replaced by the grade awarded after completion of course requirements. However, a note shall be added on the transcript, recording the fact that grade I was initially awarded in the course. (This should not be applicable to I grade obtained in project in 7th semester)

The transcripts of students who are admitted by Migration from another institution will show the accepted courses taken at their previous institution. Their CGPA will be calculated using these courses as well as courses taken at this university. However, a note will be added to their transcript to identify their previous institution and the courses taken at that institution.

## 14. SPECIAL PROVISIONS

Interpretation of these Academic Rules by the authorized officers of the University shall be final.

In all cases where these Academic Rules are silent, the decisions of the Vice Chancellor shall be final.

The University authorities reserve the right to make any change in these Academic Rules at any time without prior notice.

## EXAMINATION & OTHER FEE

Table-1

| S.No. | CATEGORIES                                                                                                                                                                                                           | Amount                           |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1.    | Registration Fee for B.Sc. Engineering Technology, PG and other UG programs (Public & Private Sector)                                                                                                                | Rs. 2200                         |
| 2.    | a) Re-appearing Fee for B.Sc (per subject) (Non-refundable & Non-adjustable)<br>b) Registration Fee for Pre-Requisite Subject (per subject) (Non-refundable & Non-adjustable)                                        | Rs. 2200<br>Rs. 2200             |
| 3.    | Examination Fee for B.Sc Engineering and B.Sc. Engineering Technology (Pass course & Hons.)<br>(i) Regular candidates<br>(ii) Re - appearing candidates<br>(iii) Examination Fee per subject in case of re-appearing | Rs. 2750<br>Rs. 2750<br>Rs. 1100 |
| 4.    | B.Sc. Engineering Degree                                                                                                                                                                                             | Rs. 2200                         |
| 5.    | Semester Transcript / D.M.C. (Ordinary)                                                                                                                                                                              | Rs. 1100                         |
| 6.    | Semester Transcript / D.M.C. (Urgent)                                                                                                                                                                                | Rs. 1650                         |
| 7.    | Final Transcript / Final D.M.C. (Ordinary) Embossed                                                                                                                                                                  | Rs. 1100                         |
| 8.    | Final Transcript / Final D.M.C. (Urgent) Embossed                                                                                                                                                                    | Rs. 1650                         |
| 9.    | i) Migration Certificate after study<br>ii) Migration certificate during study<br>iii) Duplicate Migration Certification                                                                                             | Rs. 1100<br>Rs. 1650<br>Rs. 3300 |
| 10.   | Correction/change in name etc.                                                                                                                                                                                       | Rs. 1100                         |
| 11.   | Provisional Certificate                                                                                                                                                                                              | Rs. 1100                         |
| 12.   | Rechecking of scripts per paper                                                                                                                                                                                      | Rs. 880                          |
| 13.   | Duplicate Degree                                                                                                                                                                                                     | Rs. 5500                         |
| 14.   | Convocation Fee                                                                                                                                                                                                      | Rs. 2200                         |
| 15.   | Examination late Fee                                                                                                                                                                                                 | Rs. 1320                         |
| 16.   | Verification Fee (each set)                                                                                                                                                                                          | Rs. 2200                         |
| 17.   | Semester Freezing Fee                                                                                                                                                                                                | Rs. 15000                        |
| 18.   | Conversion Certificate                                                                                                                                                                                               | Rs. 1100                         |
| 19.   | Course registration fee in Summer/Crash Semester (Fee Rs. 3000/- per credit hour, with a maximum limit of Rs.24,000/-).                                                                                              |                                  |
| 20.   | Diploma Certificate Fee                                                                                                                                                                                              | Rs. 2200                         |
| 21.   | Appeal against the decision of university disciplinary committee                                                                                                                                                     | Rs. 5500                         |
| 22.   | Advance Result                                                                                                                                                                                                       | Rs. 10000                        |
| 23.   | Foreign Verification                                                                                                                                                                                                 | USD 50.00                        |
| 24.   | Bonafide Certificate                                                                                                                                                                                                 | Rs.1650                          |
| 25.   | Medium of Instruction Certificate                                                                                                                                                                                    | Rs.1100                          |
| 26.   | Attested Syllabus                                                                                                                                                                                                    | Rs.1100                          |
| 27.   | Any other certificate not mentioned above                                                                                                                                                                            | Rs.1100                          |
| 28.   | Extra Semester Fee                                                                                                                                                                                                   | Rs. 3000                         |
| 29.   | Fee for two deficient Mathematics courses (for Pre-Medical Students)                                                                                                                                                 | Rs. 9000                         |
| 30.   | Fee for any deficient/remedial courses.                                                                                                                                                                              | Rs. 3000/- per CH                |

## FEE FOR AFFILIATED COLLEGES & INSTITUTES

Table-2

|    |                                                                                                                |                               |
|----|----------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1  | <b>Affiliation Fee</b>                                                                                         | 1,000,000/-                   |
| 2  | <b>Application Processing Fee (Non-Refundable)</b><br>Public Sector<br>Private Sector                          | 200,000/-<br>300,000/-        |
| 3  | <b>Annual Affiliation Renewal Fee per Discipline, Undergraduate Program</b><br>Public Sector<br>Private Sector | 150,000/-<br>200,000/-        |
| 4  | <b>Inspection Committee Visit fee (per visit per program)</b>                                                  | 75,000/-                      |
| 5  | <b>Annual Affiliation Renewal Fee per Discipline, Postgraduate Program</b><br>Public Sector<br>Private Sector  | 175,000/-<br>240,000/-        |
| 6  | <b>Registration Fee per Student (B.Sc Engineering Technology) (Once)</b><br>Public Sector<br>Private Sector    | 2,000/-<br>5,000/-            |
| 7  | <b>Registration Fee per Student (B.Sc Program) (Once)</b><br>Public Sector<br>Private Sector                   | 5,000/-<br>7,000/-            |
| 8  | <b>Registration Fee per Student (Postgraduate Program) (Once)</b><br>Public Sector<br>Private Sector           | 7,000/-<br>8,000/-            |
| 9  | <b>Examination Fee (One paper only)</b><br>Public Sector<br>Private Sector                                     | 2,000/-<br>3,000/-            |
| 10 | <b>Examination Fee per Student (More than one paper Per Two Semesters)</b><br>Public Sector<br>Private Sector  | 3,000/-<br>5,000/-            |
| 11 | <b>Degree Fee</b><br>Public Sector<br>Private Sector                                                           | 5,000/-<br>5,000/-            |
| 12 | <b>Semester Transcript/DMC.</b><br>(Ordinary)<br>(Urgent)                                                      | 1,000/-<br>1,500/-            |
| 13 | <b>Final Transcript/Final D.M.C</b><br>(Ordinary)<br>(Urgent)<br>Re-Checking fee (per paper)                   | 1,200/-<br>2,400/-<br>1,000/- |
| 14 | <b>Duplicate Degree</b><br>Public Sector<br>Private Sector                                                     | 10,000/-<br>10,000/-          |
| 15 | <b>Convocation Fee</b><br>Public Sector<br>Private Sector                                                      | 3,000/-<br>5,000/-            |
| 16 | <b>Thesis Originality Report</b><br>Public Sector<br>Private Sector                                            | 750/-<br>1,000/-              |

All applicable fees will be increased by 10% every year.



# SCHOLARSHIPS AND AWARDS

## 1. SCHOLARSHIP ANNOUNCEMENT AND SELECTION PROCEDURE

UET Peshawar, from time to time, announces various scholarships offered by different agencies and displays them on the UET website, department notice boards, and social media platforms. The following procedure is then adopted.

- i. Students apply for the scholarship.
- ii. Departments forward the forms of short listed students to the Director of Undergraduate Studies (DUGS).
- iii. The DUGS Office facilitates student interviews through the Central Scholarship Management Committee.
- iv. The Committee selects the most deserving and financially needy students based on the criteria specified by the donors.
- iv. The Committee signs the minutes, which are then approved by the Vice Chancellor.
- vi. The final list of selected students is sent to the donors.

After approval from the donors, award letters are issued to the selected students, and the amount is either paid through a crossed cheque or adjusted against their fee.

## 2. FINANCIAL ASSISTANCE TO DESERVING STUDENTS

The following agencies provide financial assistance to deserving students on a merit and/or need basis:

- i. Khyber Pakhtunkhwa Education Foundation: [www.kpef.edu.pk](http://www.kpef.edu.pk)
- ii. Chief Minister's Education Endowment Fund Scholarship Programs: [www.pmuhef.com](http://www.pmuhef.com)
- iii. Professional Education Foundation: [www.thepef.com](http://www.thepef.com)
- iv. Pakistan Engineering Congress: [www.pecongress.com](http://www.pecongress.com)
- v. Mora Scholarship from Zakat Fund
- vi. HEC Need-based Scholarships: [www.hec.gov.pk](http://www.hec.gov.pk)
- vii. Karwan-e-Ilm Foundation: [info@karwan-e-ilm.com](mailto:info@karwan-e-ilm.com)
- viii. USAID Merit & Need Based Scholarships: [www.hec.gov.pk](http://www.hec.gov.pk)
- ix. HEC German Need-Based Scholarships: [www.hec.gov.pk](http://www.hec.gov.pk)
- x. Diya Foundation Scholarships: [www.diyapak.org](http://www.diyapak.org)
- xi. London Foundation Scholarships: [www.pfl.uk.net](http://www.pfl.uk.net)
- xii. National Bank of Pakistan Loan Scheme: [www.nbp.com.pk](http://www.nbp.com.pk)
- xiii. Fast Cables Merit Scholarships: [www.fast-cables.com](http://www.fast-cables.com)
- xiv. JICA Endowment Fund Scholarships for needy students
- xv. Dr. Omer Hayat Trust fund
- xvi. Sui Northern Gas Pipelines Limited (SNGPL) – Merit-Based Scholarships
- xvii. Lucky Cement Scholarships for engineering students

## 3. FEE CONCESSION AND OTHER FINANCIAL ASSISTANCE

Freeship in tuition fee may be granted to a deserving student on the recommendations of the Scholarship Award Committee. When two or more brothers or sisters are studying in the University, then the one in the higher class shall pay full tuition fee while the other shall pay half of the tuition fee only.

Those students, who are scholarship holders and are also getting financial assistance from some other source, shall not be

considered eligible for fee concession from the University. The University authorities may cancel any concession on the basis of misconduct or false presentation. Double financial benefits such as scholarships, financial assistance, and financial aid in any form, from any source, shall not be allowed to any student of the University.

Tribal students can apply for tribal scholarships to their respective Political Agents. Students of settled areas can approach the local, Provincial and Federal Government for the grant of monetary aid and financial help. Besides the above, some philanthropic voluntary organizations also offer scholarships to deserving students studying in the University, such as Syeda Mubarak Begum scholarships are granted through Babar Ali Foundation, Lahore, for the promotion of education, general uplift and welfare of needy and poor female students. Candidates must have passed their first and second semesters examinations by obtaining at least 3.00 CGPA.

The Students who have committed an act of indiscipline, will not get any Scholarship/Financial Assistance from UET, Peshawar. Those who are getting scholarships outside UET sources, their sponsors shall be reported this act of indiscipline. No Scholarship/Financial Assistance will be extended to students studying under non-subsidized scheme.

## 4. CASH AWARDS TO TALENTED STUDENTS

In order to recognize merit and encourage academic competition among students, the following cash awards will be granted to students who secure first, second and third position in each semester in their respective disciplines.

First position holder : Rs. 1250/-each

Second position holder: Rs. 750/-each

Third position holder:Rs. 500/-each

Requirements for the grant of cash awards to students shall be as under:

- (i) The student must have secured first, second or third position in the semester.
  - (ii) He/she should be a regular student of the University.
  - (iii) He/she must have passed all subjects of the semester in first attempt.
  - (iv) He/she must have secured at least 3.00 SGPA in the relevant semester.
- In case of tie between two students, the marks obtained by them in their previous examination shall be the deciding factor.

## 5. AWARD FOR THE BEST STUDENT PROJECT

To encourage final year students to take interest in the Project Work and improve its quality, the Syndicate has approved the following rules for the award of best student project.

- (i) There shall be one award comprising of cash prize of Rs. 10,000/- certificate and shield for the group members of the best project in each discipline. The shield inscribed with the names of the group members shall be kept in the respective department.
- (ii) The award shall be given on the basis of recommendations of the Selection Committee. Best project for the award shall be evaluated by a Selection Committee for each department, comprising the following:
  - (a) Chairman of the Department:(Convener)
  - (b) Two Senior Teachers from the respective department: (Members)
  - (c) One expert from outside the University to be

nominated by the Vice Chancellor on the recommendation of the Chairman of the department concerned: (Member)

- (iii) The Chairman of the department shall announce the date for selection/competition for the best project well in advance.
- (iv) The group of students of each project shall elect a leader from amongst themselves. In case of individual project as in Architectural studies, individual will present his/her work.
- (v) Every group of students or individual that has undertaken a project shall be eligible to participate in the competition.
- (vi) In case of group project, the leader of the group shall be responsible for organization and presenting the project to the teaching staff and final year students of the department concerned for appraisal.
- (vii) In order to select the best project, the Selection Committee shall give due weightage to various components, such as the nature and quality of the project, the engineering and analytical input to the work and presentation to audience.
- (viii) For selecting best project, there should be at least two projects in competition for each discipline.

### 6. GOLD MEDALS

#### 6.1 University Gold Medals

Gold medals shall be awarded to students in each discipline who fulfill the following conditions:

- (a) Pass all the University Examinations in first attempt and complete the course within eight (B.Sc. degree) and ten (B.Arch. degree) consecutive semesters after

joining the first semester.

- (b) Secure at least 3.67 CGPA.
- (c) Stand first in aggregate marks obtained in all examinations, in their respective disciplines. In case of tie, more than one gold medal will be awarded.

### 7. PRESIDENTIAL AWARDS

Two cash prizes of Rs. 5,000/- each are awarded by the President of Pakistan (one to a student from the Tribal Areas and one from Settled Districts) to students who secure the highest position in the Bachelor of Engineering/ Architecture Examination.

# CONDUCT & DISCIPLINE REGULATIONS

## 1. TITLE

These regulations are framed under "UNIVERSITY OF ENGINEERING & TECHNOLOGY, PESHAWAR CONSTITUTION, FUNCTIONS AND POWERS OF AUTHORITIES OF THE UNIVERSITY STATUTES, 2016". The University discipline Committee constituted under Clause-22.13 of "UET Peshawar Constitution, Functions and Powers of Authorities of the University Statutes, 2016" shall have the authority and jurisdiction to deal with and decide all cases of indiscipline, in accordance with University Students Conduct and Discipline Regulations.

## 2. APPLICABILITY AND COMMENCEMENT

These regulations shall apply to all students on the rolls of the University and the affiliated Colleges of the University.

## 3. STUDENTS CODE OF HONOUR

Every student shall observe the following code of conduct:-

- (a) Faithfulness in his religious duties, and respect for convictions of others in matters of religion, conscience and customs.
- (b) Loyalty of Pakistan, and refraining from doing anything which might lower its honour and prestige in any way.
- (c) Truthfulness and honesty in dealing with others.
- (d) Respect for elders, and politeness to all, especially to women, children, old people, weak, deformed and the helpless.
- (e) Respect for teachers and others in authority in the University.
- (f) Cleanliness of body, mind, speech and habits.
- (g) Helpfulness to fellow-beings.
- (h) Devotion to studies and sports.
- (i) Protection of Government property.

## 4. PROHIBITED ACTS

The students should refrain from:-

- (a) Smoking in class-rooms, laboratories, workshops, examination halls, or Convocation Hall, and during study or academic functions.
- (b) Using or carrying of alcoholic drinks or other intoxicating drugs, within the University Campus or University Hostels or during instruction, sports or cultural tours or survey camps or entering such places or attending any such tour of camp while under the influence of such intoxicants, or any other University/ College functions outside the Campus.
- (c) Organizing or taking part in any function within the University campus or hostel, or organizing any club or society of students or

students associations, unions and federations, except in accordance with the prescribed rules and regulations.

- (d) Collecting any money, receiving funds or pecuniary assistance for, or on behalf, of the University, except with the written permission of the vice-chancellor /Principal.
- (e) Staging, inciting or participating in any walk-out, strike, or other form of agitation against the University or its teachers or officers, inciting any one to violence, disruption of the peaceful atmospheres of the University in any way, making provocative speeches or gestures which may cause resentment, issuing of pamphlets or cartoons casting aspersions on the teachers or staff of the University or the University bodies, or doing anything in anyway likely to promote rift and hatred among the various groups or castes of students community, issuing statements in the press making false accusations or lowering the prestige of the University or writing and pasting posters on the walls.
- (f) Bringing, carrying and keeping of fire arms or any other weapon (of any nature/type) forbidden by law, within the University Campus, class-rooms, hostels and offices.
- (g) Causing damage to University property or government public property.
- (h) Use of loud speakers, mega-phones, "decks" in the University hostels and on campus.

## 5. ACTS OF INDISCIPLINE

A student will be deemed to have committed an act of indiscipline if he/she:

- (a) Commits a breach of rules of conduct specified above, or
- (b) Disobeys the lawful order or a teacher or other person in authority in the University, or
- (c) Habitually neglects his work or habitually absents himself from his class without valid reason; or
- (d) Wilfully damages University (or) public property or the property of a fellow student or any teacher or any employee of the University or
- (e) Does not pay the fees, fines, or, other dues payable, under the University Regulations and Rules; or
- (f) Does not comply with the rules relating to residence in hostels, or uses indecent language, wears immodest clothes, makes indecent remarks or gestures, or behaves in a disorderly manner, or commits any criminal immoral or dishonorable act

(whether committed within the University Campus or outside) or any act which is detrimental to the interest of the University. False personification or giving false information or willful suppression of facts, information cheating or deceiving the University

- (g) Forging, mutilating, altering erasing or otherwise tampering with any document connected with examination, receipt of University fees / dues or making undue use of such documents.

## 6. PROCEDURE IN CASE OF BREACH OF DISCIPLINE

The vice-chancellor, if in his opinion an act of indiscipline can more appropriately be dealt with by the University Discipline Committee, may refer it to the University Discipline Committee for necessary action under the Rules/Regulations.

## 7. RUSTICATION AND EXPULSION

- (i) Rustication
  - (a) Rustication, whenever imposed on a College/University student, shall always mean the loss of one semester or one academic year so far his appearance in a University examination is concerned. The rusticated student may be admitted in the University on the expiry of the rustication period.
  - (b) No fee will be charged from a rusticated student for the month or months during which his name is struck off the rolls.
- (ii) Expulsion
  - (a) The period of expulsion will be counted from the date of issue of such a notice by the University. Expulsion period can vary.
  - (b) Name of the expelled student will immediately be removed from the Department's rolls, and no fee will be charged from him/her for subsequent months.
  - (c) A student expelled from a Department may be re-admitted into that Department or another affiliated College after the expiry of the period of expulsion.
  - (d) Cases of expulsion will be registered in the University and notified to all Departments and Universities.

## 8. GENERAL

- (i) The authority, which has the power to rusticate could also withdraw the same order before the expiry of the period.

- (ii) No student shall be rusticated/expelled from the University unless he has been served with the Show Cause Notice, and allowed a reasonable time for explanation and replying to the charges framed against him.
- (iii) When in the opinion of the Discipline Committee the rustication or expulsion is not called for in a case referred to it, may impose any other penalty or penalties mentioned in the above Regulations.

## 9. DEPARTMENTAL/CAMPUS/HOSTEL DISCIPLINE COMMITTEE (DDC/CDC/HDC)

- i. Each Department/Campus/Section shall have a Discipline Committee (DDC/CDC/HDC) to address discipline-related matters of students at the grass-root level.
- ii. The Chief Proctor/Proctor/Complainant shall report all cases pertaining to students' discipline to the concerned Head of Department (HOD)/Section Head for necessary action.
- iii. The DDC/CDC/HDC shall hear discipline cases and take decisions as per the University Rules and Regulations.
- iv. The decisions taken at DDC/CDC/HDC level shall be documented and communicated to the concerned students and relevant authorities.

## 10. RIGHT TO APPEAL

- i. A student dissatisfied with the decision of the DDC/CDC/HDC may appeal to the University Discipline Committee (UDC) through the Secretary of UDC (Director Undergraduate Studies at Students Service Centre, Main Campus Peshawar).
- ii. The appeal must be submitted within 15 days after issuance of Notification by the DDC/CDC/HDC.
- iii. The UDC shall review the case and give final decision.
- iv. The appeal against the decision of the UDC shall be submitted to the University Appellate Committee through the Director Undergraduate Studies within 15 days after issuance of Notification by the UDC.
- v. This code of conduct will repeal all previous Regulations relating to Expulsion and Rustication or any other instructions relating to the maintenance of discipline among the students.

## 11. ENVIRONMENTAL HEALTH AND SAFETY POLICY

UET Peshawar is committed to providing a safe and healthy environment for all employees, students and visitors. The Environmental Health, and Safety (EHS) Policy is designed to protect people, property, and the environment from harm. For details related to this policy, please visit [www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk)



**UNIVERSITY CONDUCT & DISCIPLINE REGULATIONS 2002 (Amended in 2006)**

Penalties that may be imposed by the University authorities for various offences committed are listed below:

| S.No | OFFENCE                                                                                                                                                                                                                                                                                                                                                                                                             | PENALTY                                                                                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | Using/carrying of alcoholic drinks or other intoxicating drugs within the University Campus or University Hostels or during Study Tour or Cultural Tours or Survey Camps, any such tours of any other University/College or outside the campus under the influence of such intoxicants or misbehaving with others, especially females, during tours etc.                                                            | Debar from classes for one week or fine not exceeding Rs. 10,000/-<br>OR<br>Expulsion from the University.                                                                   |
| 2.   | Organizing or taking part in any function within the University Campus or hostel or organizing any club or society of students or students association, unions or federation, except in accordance with the prescribed rules and regulations.                                                                                                                                                                       | Stern warning and / or<br>Fine not exceeding Rs. 20,000/-,<br>AND / OR<br>Expulsion from hostel accommodation, if relevant.                                                  |
| 3.   | Collecting any money or receiving funds or pecuniary assistance for or on behalf of the University, except with the written permission of the vice-chancellor .                                                                                                                                                                                                                                                     | All money supposed to have collected shall be confiscated in favour of the University.<br>AND/OR<br>Fine not exceeding Rs. 10,000/-                                          |
| 4.   | Staging or inciting or forcing fellow students to a walkout from classes or examination halls or organizing, conducting or participating in strikes or agitation or violence against the University authorities or members of teaching or administrative staff or disrupting the classes or any other academic activity of the University being held inside or outside the campus.                                  | Expulsion from the University for one to four semesters/two academic years, depending on the nature and gravity of the crime.<br>AND / OR<br>Fine not exceeding Rs. 20,000/- |
| 5.   | Casting aspersions or using abusive and derogatory language in speeches, pamphlets or posters against the University authorities or members of teaching or administrative staff of the University or physically manhandling, beating or disgracing the University authorities or members of the teaching or administrative staff of the University or committing an act of moral turpitude against fellow students. | Expulsion from the University for one to six semesters/ three years, depending on the nature and gravity of the crime.<br>AND / OR<br>Fine not exceeding Rs. 30,000/-        |
| 6.   | Conducting or inciting or participating in a violent attack on the offices of the University authorities, Chairmen, faculty members or other officers of the University.                                                                                                                                                                                                                                            | Permanent expulsion from the University.<br>AND / OR<br>Fine not exceeding Rs. 50,000/-                                                                                      |
| 7.   | Damaging/destroying or trying to damage/ destroy the property (movable or immovable) of the University or University employees or Government or any other Public Organization or stealing or taking away by force any item of University property.                                                                                                                                                                  | Recovery of the amount equal to the value of the damage caused; and / or fine not exceeding Rs. 20,000/-<br>AND / OR<br>Rustication from the University.                     |

## CONDUCT & DISCIPLINE REGULATIONS

*UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus*

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                           |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.  | Bringing, carrying or keeping or firing of arms or any other weapon (of any nature/type) within the University campus or class rooms or hostels or examination halls or offices of the University.                                                                                                                                                                                                                                    | Fine not exceeding Rs. 20,000/-<br>AND / OR<br>Expulsion from the hostel. Expulsion from the University for a maximum period of two semesters / one year. |
| 9.  | Using loudspeakers or mega-phones in the University hostels or on the University campus or making provocative speeches or gestures which may cause resentment or doing anything in anyway which is likely to promote rift and hatred among various groups or castes of students community or issuing statements in the press, making false accusations against the University or University Authorities or members of teaching staff. | Fine not exceeding Rs. 20,000/-; expulsion from the hostel.<br>AND / OR<br>Expulsion from the University for maximum period of two semesters / one year.  |
| 10. | Misbehaving and not cooperating with faculty members, University proctors, Hostel Wardens, and other authorities.                                                                                                                                                                                                                                                                                                                     | Fine not exceeding Rs. 20,000/-; expulsion from the hostel. AND / OR<br>Expulsion from the University for maximum period of two semesters / one year.     |
| 11. | Forming political wing of any political party, student union, student federation, or associations based on linguistic, ethnical, territorial, religions affiliation, or any other platform.                                                                                                                                                                                                                                           | Fine not less than Rs. 5,000/- AND / OR<br>Stern warning.<br>Rustication / expulsion from University.                                                     |
| 12. | Holding "Dars" or "Waaz-o-Naseehat" and collection of funds for political, religious party or group within the campus without permission of the University authorities.                                                                                                                                                                                                                                                               | Rustication / expulsion from University.<br>AND / OR<br>Fine not exceeding Rs. 30,000/-                                                                   |
| 13. | Carrying any activity of what-so-ever nature that does not come under the definition of curricular and co-curricular activities that is not allowed and organized by the University authorities.                                                                                                                                                                                                                                      | Rustication / expulsion from University.<br>AND / OR<br>Fine not exceeding Rs. 20,000/-                                                                   |

Where acts of indiscipline need a prompt resolution or are minor in nature, the Chief Proctor may impose a fine not exceeding Rupees one thousand (Rs. 1000/-) and the proctors may impose a fine not exceeding Rupees five hundred (Rs. 500/-), whereas students will have the right to appeal against the fine to the University Discipline Committee.

# HOSTEL REGULATIONS

## GENERAL

The cost of accommodation in University hostels is around Rs. 5000/- per month per student. However, the University provides huge subsidy on hostel accommodation. Hostel accommodation is a privilege and cannot be claimed as a matter of right. Accommodation being limited in hostels may not be provided to all the applicants and will be provided only on the availability of seats in hostels in the Main Campus and Satellite Campuses. The residential accommodation is an equal and merit based opportunity and preference is given only to those applicants who hail from far-off places. Hostel accommodation at various campuses of the university is available as under:

- Peshawar:** Seven hostels for 1998 male students and two hostels for 200 female students.
- Bannu:** Three hostels for 296 male students and one hostel for 8 female students.
- Abbottabad:** Two hostels for 300 male students and one for 100 female students.
- Jalozai:** Three hostels for 630 male students and one hostel for 210 female students.

**Note:** Due to lack of space/accommodation at UET Hostels, hostel accommodation will be provided at the time of admission of 1st semester subject to availability of seat purely on the basis of merit, determined by the Directorate of Admission for each discipline and need basis, determined by the Provost Office. The students of Jalozai Campus will not be considered for hostel allotment in the Main Campus.

Proper boarding, lodging and mess facilities are available to the residents in each hostel. The mess in each hostel operates on a no-profit no-loss basis.

Each hostel is looked after by a Resident Warden, who is responsible for the implementation of hostels rules, regulations and Maintenance of order and discipline in the hostel. The Resident Warden is the first point of contact between the Resident students and university administration.

All complaints regarding any student or member of hostel staff, shall be brought forth before the Resident Warden. Students must never take matters into their own hands. Bearers and other staff have been provided in each hostel to facilitate resident students. The Provost serves as the overall in-charge of the hostels and sets policy guidelines for the hostel administration. The campus coordinator for the remote campuses acts as Provost for his/her campus.

Security officer will supervise a team of highly trained security guards recruited from retired Pakistan Army personnel. Security guards will perform duty on gates of the hostels who will only allow lawful residence into hostels. Security officer will be overall incharge of security of hostels. He can visit surprisingly rooms of any hostel at any time for check of any weapon, drugs, intoxicant, rods, daggers and harmful materials etc.

The residents of hostels are required to abide by the rules and regulations of the university hostels as laid down in this prospectus and notified from time to time by the hostel and university administration. Misconduct by any resident student may be punished directly by the Resident Warden with a fine of up to Rs. 5000/- or it may be reported by the Resident Warden to the Convener Hostel Disciplinary Committee for further action. The Hostel Discipline Committee may forward any case to University Discipline Committee (UDC), if it deems fit.

## University Hostels and Available Accommodation

| S.No | Name of Hostel                                 | No. of Seats |
|------|------------------------------------------------|--------------|
| 1.   | Shah Wali Ullah Hostel No. 3 (Old Block)       | 166          |
| 2.   | Shah Wali Ullah Hostel No. 3 (New Block)       | 498          |
| 3.   | Shahibzada Abdul Qayyum Hostel No.4            | 200          |
| 4.   | Syed Jamal-ud-Din Afghani Hostel No.5          | 200          |
| 5.   | Mehmood Ghaznavi Hostel No. 8                  | 300          |
| 6.   | Engineering Tribal Hostel No.11                | 308          |
| 7.   | Sardar Abdur Rab Nishtar Hostel, Hostel No. 12 | 276          |
| 8.   | Researchers Hostel Hayatabad                   | 50           |
| 9.   | Engineering Girls' Hostel (Old & New)          | 200          |
| 10.  | Engineering Hostels, Bannu Campus              | 311          |
| 11.  | Engineering Boys' Hostel, Abbottabad Campus    | 300          |
| 12.  | Engineering Girls' Hostel, Abbottabad Campus   | 100          |
| 13.  | Abu Bakar Hostel, Jalozai Campus               | 210          |
| 14.  | Umer Hostel, Jalozai Campus                    | 210          |
| 15.  | Usman Hostel, Jalozai Campus                   | 210          |
| 16.  | Ali Hostel, Jalozai Campus                     | 210          |
| 17.  | Ayesha Girls Hostel, Jalozai Campus            | 210          |

## 1 ADMISSION

- 1.1 Hostel admission will be granted only to those students who are on regular rolls of the University. The facility of hostel accommodation to full time postgraduate students may be provided subject to availability.
- 1.2 Students desirous of hostel accommodation are required to submit online application on hostel portal ([enggentrancetest.pk/hostel](http://enggentrancetest.pk/hostel)) on or before the last date

announced for the purpose. Online Hostel admission portal shall be closed after the announced last date.

- 1.3 All allotments shall be made on merit. The Provost office will issue hostel admission cards among the eligible candidates as per their merit. The students shall submit their cards within 03-days after the allotment or as per online admission schedule announced by the Provost UET Hostels to the concerned Warden. Upon acceptance of which the

- student shall become resident of that hostel and will be under disciplinary supervision of the hostel administration. If a student fails to submit his card to the concerned warden within the due time, his hostel card shall stand void.
- 1.4 Seats in the hostels will be allocated to each department in proportion to the number of applicants for hostel accommodation from each department.. Preference shall be given to those applicants who hail from far-flung areas and do well in terms of merit.
  - 1.5 Local students from Peshawar district will not be granted accommodation in university hostels. The hostel admission of any resident student shall be cancelled if at any point/time he/she is found to have been having a residence (owned/rented/official) at the time of allotment. He/she shall be penalized as deemed fit by the hostel and university administration.
  - 1.6 The hostel authority has the right to refuse/cancel hostel admission of students who misuse their privilege.
  - 1.7 A student can request the cancellation of his/her hostel admission. The student will be eligible to receive all the refundable amounts if the request is received within one month of the closing date of allotment of hostel accommodation. No refund will be allowed after that.
  - 1.8 A student whose admission is cancelled by the hostel authorities on disciplinary grounds shall not be entitled to receive his hostel security.
  - 1.9 Students who fail to complete their degree within the prescribed time (08 semesters/04 years and 10 Semesters/05 year in case of Architecture B.Sc) will not be entitled for hostel admission. The hostel authorities under special circumstances may consider such application for admission provided the applicant maintains regular attendance in classes subject to payment of Hostel fee as per new Prospectus of the current session.
  - 1.10 Application for hostel admission, from students whose admission has been cancelled in the past on disciplinary grounds, shall not be entertained.
  - 1.11 Re-Admission cases may be considered subject to availability of seats in hostels and validity of the reasons for re-admission. Cases of re-admission bear minimum priority to the hostel authorities.
- 2. ALLOTMENT**
- 2.1 The warden of a hostel shall provide room/seat to a student within three days of the submission of his/her hostel card. However handing over/possession may take longer depending upon the time required to complete the process of shifting by ex-room holders.
  - 2.2 Cubicle rooms will be allotted to final year students only, subject to availability.
  - 2.3 Students of 1st, 2nd and 3rd year will be accommodated in bi-seater, tri-seater or four seater rooms subject to availability of seats.
  - 2.4 Foreign students will be accommodated in a specified hostel (presently Syed Jamal-ud-Din Afghani, Hostel No.5). or any other hostel as deem appropriate by the Hostel Administration.

- 2.5 Students are not allowed to exchange their rooms in the Hostel with each other without the permission of the Hostel Allotment Committee. Any violation will result in initiation of serious disciplinary proceedings against the violators. After allotment of rooms, students shall be given an opportunity to exchange their rooms within the hostel, to be notified by the Hostel Administration. A sum of Rs. 500/- shall be charged on this account and exchanges are limited to one time only. Once rooms are exchanged according to the set procedure students shall shift to their new rooms immediately.
- 3. HOSTEL DISCIPLINE**
- 3.1 The resident students must submit an undertaking of good conduct as provided by the university on judicial stamp paper before they can be issued hostel admission cards. The affidavit must be duly signed by the parent/guardian of the concerned student. A student, who fails to submit the duly filled affidavit, shall not be allowed to enter the hostel. The following must also be ensured with regards to the guardian of a student:
    - (a) A guardian can only be a Blood Relative i.e. elder sibling, paternal or maternal uncle.
    - (b) The parent/guardian must accompany the student to the hostel and he/she would be required to submit a copy of his/her CNIC along with the affidavit.
    - (c) Any student, who fails to furnish the above, shall not be allowed to enter the hostel premises.
    - (d) Every resident student shall be issued a boarder card, after due verification and collection of duly filled affidavits. The students must keep these cards at all times with them and they will be allowed entry into their hostels only after presenting this card to the security guard.
    - (e) Residents shall abide by hostel rules and regulations in letter and spirit. Violation of hostel rules and regulations or any order issued by the hostel administration shall render a resident liable for imposition of fine and/or expulsion from the hostel and to such other actions as deemed fit by the University authorities.
  - 3.2 Anybody (be it a student of the university) who is not a resident of the hostel is not allowed to stay in the hostel premises.
  - 3.3 Day scholars and residents of one hostel are not allowed for overnight stay in any other UET hostel. Similarly, guests, family members or anyone else, are strictly prohibited for overnight stay at any UET hostel. Resident students are not allowed to bring minors (below the age of 18) to hostels without seeking prior permission of the Resident Warden.
  - 3.4 Resident students can entertain their guests within the prescribed visiting hours only in the guest rooms prescribed for the said purpose in each hostel. No resident can entertain a guest in his/her room.
  - 3.5 Residents are strictly forbidden of keeping any arms, intoxicants, drugs, rods or daggers, and harmful materials etc in the hostel. Any violation of this rule will result in serious disciplinary action against the violator



- and may lead to imposition of heavy fines and expulsion from the hostel. The hostel administration may also initiate criminal proceedings against the violator and refer the matter to the police.
- 3.6 Residents are not allowed to use heaters, air coolers, air conditioners, electric kettles and high voltage incandescent bulbs in their rooms. LED bulbs more than 18Watts are not allowed. Any violation will lead to imposition of fine, recovery of charges incurred and confiscation of the forbidden item.
  - 3.7 Every Resident student is responsible for the peace and tranquility of hostel environment. Resident students are not allowed to play music or any instrument loudly.
  - 3.8 Residents are not allowed to participate in any political activity.
  - 3.9 Residents are not allowed to invite any political figure, scholar or any individual for any speech, lecture or sermon or to circulate any unpublished or published material for this purpose.
  - 3.10 Residents are not allowed to assemble crowds or congregations within the hostel premises for any purpose e.g lunch, dinner, iftaar, political etc.
  - 3.11 Entry of females into boys' hostels is strictly prohibited & vice versa.
  - 3.12 Residents shall keep their rooms clean and tidy. They shall also be responsible to keep their rooms properly locked in case they leave the room. Residents shall not keep expensive items (cost of which exceeds Rs. 1000/-) or cash in their rooms. The hostel authorities will not be responsible for any loss.
  - 3.13 Residents students are not allowed to park bicycles, motorcycles or cars within the hostel premises. The hostel authorities would not be responsible for any loss or damage incurred by the student.
  - 3.14 Residents students are not allowed to ride bicycles or motorbikes inside the hostel premises. Any violation will be dealt with seriously.
  - 3.15 Resident students shall not use and shall not allow the use of their accommodation for any purpose other than that prescribed and allowed by the hostel administration.
  - 3.16 Resident students who in the view of the hostel authorities are not residing in their rooms shall have their hostel admissions cancelled.
  - 3.17 Any complaints against the hostel staff may be brought into the notice of the hostel warden or the provost. Residents are not allowed to deal with the hostel staff directly on their own.
  - 3.18 Resident students shall not insist on the hostel bearers to bring contraband goods for them. Residents shall not insist on the hostel staff to indulge in activities other than their prescribed job responsibilities.
  - 3.19 The Warden of the hostel may impose a fine of up to Rs. 5000/- on any resident student who violates the hostel rules and regulations or orders of the hostel authorities. Prior to imposing any penalty on the Resident Student the Warden may serve him with a show cause notice to which the student must respond in writing within the specified timeframe. The Warden may decide to do away with any penalty if he finds the response of the student satisfactory or may decide

otherwise. The Warden may forward the case to the Hostel Discipline Committee for further action. The Hostel Discipline Committee can report a case of indiscipline to University Discipline Committee if it deems fit.

- 3.20 Regulations for Hostel Warden (see on page 95)
- 3.21 Appeal: An appeal against the punishment awarded by the Resident Warden shall be forwarded to the Hostel Discipline Committee within fifteen days.

## 4 HOSTEL DISCIPLINE COMMITTEE

- 4.1 The Hostel Discipline Committee (HDC) will be formed by the Provost under clause 8 of Khyber Pakhtunkhwa, UET Ordinance No. XIII of 1980 and (amended) Ordinance No. IX of 1981.
  - 4.2 Cases of indiscipline by the resident students may be forwarded to the Hostel Discipline Committee by the Resident Warden through the Senior Warden. The Convener of HDC in consultation with the Provost will call a meeting of HDC, at a place and time convenient to the committee members, to conduct hearings in the case.
  - 4.3 The Hostel Discipline Committee will decide the cases according to hostel conduct and discipline regulations.
  - 4.4 The Hostel Discipline Committee may forward the cases needing severe penalties (such as imposition of a fine of more than Rs. 40,000/- and or expulsion/rustications from the university) to the University Discipline Committee.
  - 4.5 The decision of the HDC will be communicated in writing and will be duly signed by all members. The Assistant Provost will be responsible for recording the minutes and decisions of the committee, keeping proper record of all cases, and communication of decisions to all members, concerned students and wardens.
- Regulations for Hostel Discipline Committee (see on page 94)
- ## 5 APPEAL
- 5.1 An appeal against the punishment awarded by the Hostel Discipline Committee shall be forwarded to the University Discipline Committee.
  - 5.2 No appeal by student against the decision of the Hostel Discipline Committee shall be entertained unless it is presented within 15 days of the date on which the decision is communicated to him/her.
- ## 6. HOSTEL FEE
- Hostel fee can be changed from time to time by the University authorities. Hostel fee for the year 2025-26 (till further orders) are as follows:

| S.N                       | Description of Fee                                     | Amount P.A          |
|---------------------------|--------------------------------------------------------|---------------------|
| <b>a) University Fund</b> |                                                        |                     |
| 1.                        | University Fund for Seats (Room Rent/Elect. charges)   | Rs. 34,000/-        |
| 2.                        | University Fund for Cubical (Room Rent/Elect. charges) | Rs. 36,000/-        |
| <b>b) Hostel Fund</b>     |                                                        |                     |
| 1.                        | Gas + Fuel Advance (Refundable/adjustable)             | Rs. 6,000/-         |
| 2.                        | Contingency (Non-Refundable)                           | Rs. 4,000/-         |
| 3.                        | Hostel Maintenance Charges                             | Rs. 6,000/-         |
| <b>Total (b):</b>         |                                                        | <b>Rs. 16,000/-</b> |

- 6.1 Hostel security advance shall be adjusted in annual

hostel fee at the time of new allotments for (3rd, 5th & 7th Semesters) while final year students shall be refunded the security advance after necessary adjustment (Gas, generator, fuel etc. through crossed cheques).

## 7 HOSTEL MESS

- 7.1 Each resident student of the hostel will automatically be considered as a member of the hostel mess (if operational) unless his membership is suspended by the Resident Warden. No member of the mess is allowed to close his mess account for a period of less than three days. In such case the student will inform the office assistant one day in advance. The mess shall operate on "No profit no loss" basis and mess contribution shall be deposited in advance as notified by the Hostel Management. However, where the Mess is outsourced the student shall be liable to get food on cash payment.
- 7.2 The hostel mess will be monitored by a Food Committee comprising of Resident students of the hostel which are appointed by the Resident Warden with the approval of the Provost. The continuation of the members of the Food Committee will be decided upon their progress. The Food Committee shall prepare a menu on weekly/monthly basis with the approval of the Resident Warden.
- 7.3 The Resident Warden shall supervise and check the mess daily or on alternate day. The Deputy Provost or Provost may make surprise visits to the Hostel Mess.
- 7.4 The Resident Students must pay their mess dues before the 15th of each month. A fine amounting to 10% of the total dues (rounded to the closest multiple of 10) shall be charged for late payment of dues after the due date. The Resident Warden reserves the right to change the amount of fine to be imposed on the resident students in case of late payment.
- 7.5 The Hostel Mess shall remain open during the time prescribed for each meal. Residents shall not be allowed to demand food after the prescribed time limit.
- 7.6 All the members of the mess shall take their meals in the Dining Hall of the hostel. No meals shall be served in their rooms by the hostel bearers.
- 7.7 Smoking is strictly prohibited in the hostel mess and its premises. Moreover resident students must not create any sort of disturbance or discomfort to their fellow students in the hostel mess.
- 7.8 Residents shall not use hostel lawns, common room and other places for lunch, dinner, breakfast or tea.
- 7.9 Residents of the hostel are not allowed to bring food from outside the hostel into the hostel mess.
- 7.10 In case of closing mess permanently, student should provide proper medical certificate.

## 8 HOSTEL GATES TIMINGS

- 8.1 Following timings will be observed for boys hostels.

| Season | Opening gate time | Closing gate time |
|--------|-------------------|-------------------|
| Winter | 7:00 A.M          | 10:00 P.M         |
| Summer | 6:00 A.M          | 11:00 P.M         |

- 8.2 A Boarder card will be issued by the provost office to

the residents. All the students are subject to keep the Boarder card with them in the hostel and university premises. This card will serve as a proof of student's identity as a Boarder. No student will be allowed entry into the hostel without his Boarder Card.

## 9 NOTICES & WALL CHALKING

No resident will be allowed to paste or exhibit any notice printed/hand written or other material, in writing anywhere in the hostel except those duly signed by the hostel warden. No resident student is allowed to engage in wall chalking inside the hostel premises. Any violation of this rule is subject to strict disciplinary action.

## 10 COMPLAINTS

All complaints about matters relating to the hostels shall be reported to the warden of the hostels. Students must never take any matter into their own hands, otherwise they'll be held liable for strict disciplinary action.

## 11 UTENSILS, FURNITURE & ELECTRIC INSTALLATIONS

- 11.1 Residents are not allowed to take utensils from the dining hall/hostel mess and furniture from common room to their rooms or other hostels. Residents are not allowed to move any hostel furniture or other items from their designated places. In case of any violation stern disciplinary action will be taken against him/her.
- 11.2 Every Resident of the hostel will be provided with a bed, a table and a chair. He/she will be responsible for any loss or breakage thereof. Residents who will destroy or damage any hostel property shall pay for damages and will be heavily fined.
- 11.3 All rooms of hostels have necessary electric fittings. Student/s residing in these rooms shall be responsible for the proper use and safety of these fittings.

## 12 COMMON ROOM

- 12.1 Each hostel shall have a Common Room Committee comprising of three to five resident students of that hostel and shall be appointed by the concerned Warden. The Committee will look after the affairs of the Common Room under the supervision of warden.
- 12.2 The Resident Warden shall take actions to provide residents with newspapers, magazines, material for indoor games and fulfill other maintenance requirements of the hostel. These needs shall be met through the contingency fund of the hostel. The Resident Warden shall determine the appropriation of contingency funds for these purposes.
- 12.3 Film shows are not allowed inside the hostels. Special permission of the Provost must be sought for the arrangement and use of microphones in any function whatsoever inside the hostel premises. Non residents shall not be allowed to enter and participate in any activity inside the hostel premises without the prior permission of the warden. No professional artist shall be invited to perform inside the hostel premises.
- 12.4 Social and cultural activities like indoor games, dramas, debates etc. can be arranged by resident students in the hostel from time to time with the permission of the Resident Warden. The Resident Warden shall decide the fate of such requests through consultation with the Provost.

## 13 HOSTEL STAFF

13.1 Private/personal servants are not allowed in hostels. Every hostel is manned with designated staff to look after the needs of resident students e.g. bearers, water carriers, sweepers and gardener etc. The hostel staff is answerable to the warden of the hostel. Any complaint against the staff should be communicated to the warden of the hostel in writing. Staff is required to serve the resident students inside the hostel premises according to the duties assigned to them by the hostel administration.

13.2 Misbehavior by the resident students with the hostel staff is subject to strict disciplinary action against the perpetrators.

## 14 PROHIBITION OF VALUABLES

14.1 The resident students are not allowed to keep valuable items like car, motorcycle, VCR, VCP, Video Camera, T.V Set, gold, expensive mobile phones, large sum of money etc. The hostel administration shall bear no responsibility in case of any loss or theft.

14.2 Resident students are allowed to keep computers, Laptops without external speakers/woofers in their rooms at their own risk for educational purposes only. The hostel administration shall bear no responsibility in case of any loss or theft.

## 15 REGIONAL SOCIETIES / POLITICAL / RELIGIO-POLITICAL GROUPS

Resident students are not allowed to form or be associated with political, regional, Religio-political or any sort of group in the hostel. Resident students are not allowed to use or let their rooms be used as offices of any group. Resident students are not allowed to conduct meetings of any nature under the umbrella of any such group inside the hostel premises. Any violation of these rules will be liable for strict disciplinary proceedings against those involved.

## 16 CLOSURE OF HOSTELS

The university hostels shall remain closed during the vacations. All resident students shall be required to vacate the hostels except those who are in examination or have enrolled in summer semester. The administration may provide an alternate arrangement for those who are in examination or enrolled in summer semester. Foreign students may be allowed to stay in their hostel during vacations.

## 17 SPECIAL REGULATIONS FOR GIRLS' HOSTELS

17.1 Female students shall go straight to their hostels after the completion of their classes in their respective departments.

17.2 Night attendance of the Resident students shall be taken on a daily basis.

17.3 The Warden shall carry out surprise visits to the rooms of Resident students.

17.4 The Hostel Gates Timing

Following timetable will strictly be observed for opening and closing girls hostel gates:

| Season | Opening gate Time | Closing gate Time |
|--------|-------------------|-------------------|
| Winter | 7:00 A.M          | 4:00 P.M          |
| Summer | 7:00 A.M          | 4:00 P.M          |

17.5 Application for leave and complaint shall be submitted to the Warden/Provost. Residents must have their

applications signed by the Warden/Senior Warden before leaving the hostel premises.

17.6 Visitors and Permission for Going Out: Every resident of the Girls' hostel must submit a list of three visitors duly signed by her parents/guardian along with photocopies of their CNICs at the time of admission.

17.7 Only parents/guardian and authorized visitors shall be allowed to visit female resident students during the following visiting hours:

### Winter (October to March)

Saturday: 3:00 PM to 6:00 PM

Sunday: 9:00 AM to 6:00 PM

### Summer (April to September)

Saturday: 5:00 PM to 7:00 PM

Sunday: 9:00 AM to 7:00 PM

17.8 Only parents/guardian and authorized visitors can take a resident student for shopping/overnight stay on weekends.

17.9 Permission to meet the authorized visitors must be obtained from the Warden or Provost. Male visitors shall meet the residents only in the visitor's room for minimum possible time to avoid inconvenience to other students.

17.10 The resident students may attend the university's departmental functions and study tours subject to the permission of the Warden or Provost.

17.11 Permission for going out must be obtained one day in advance. While going out a resident, must sign in the Register giving time of departure, place and phone number of the place of visit and time of return. She must also sign in the register upon her return.

17.12 Guests: Border students will not be allowed to invite female guests for casual meals or for night stay without the prior permission of the hostel warden/Provost.

17.13 Any misleading statement/information concealing the facts by a resident student shall lead to imposition of penalty and cancellation of Hostel Admission card.

17.14 Foreigner resident students, if fail to acquire degree within 8 (eight) semesters (04 years) and 10 (ten) semesters for Architecture, shall be allowed extension in hostel facility on payment of fee as per new fee structure.

17.15 Subject to availability of seats ex-final year and students enrolled under non-subsidized fee structure students shall be provided accommodation in UET hostels subject to payment of hostel fee(s) as per current prospectus, published every year.

17.16 Summer Semester students desirous to avail hostel facility shall be charged as under:

- Rs. 6000/- for subsidized fee structure students.
- Rs. 10,000/- for non-subsidized students.

17.17 If any undergraduate or postgraduate student, due to any reason, could not complete his/her studies within the stipulated period, needs extension to stay in hostel, shall be allowed hostel facility (subject to availability of space) on monthly basis for a maximum of three (03) months on payment of lump sum amount as under:

- Undergraduate Students:Rs. 6000/- per month
- Postgraduate students:Rs. 10,000/- per month

## A: REGULATIONS FOR HOSTEL WARDEN

|   |                                                                                                                  |                                                                                                                                                                                                                                       |
|---|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Violation of Hostel Rules or Disobeying the orders of Hostel Administration                                      | First time: Fine upto a maximum of Rs. 5000/-<br>Second time: Cancellation of Hostel Privilege for next sessions and/or expulsion from hostel.                                                                                        |
| 2 | Using Electric Heater/Air conditioners/Electric Kettles/High voltage incandescent bulbs/other prohibited devices | First time: Fine upto a maximum of Rs. 5000/- and recovery of estimated electricity charges alongwith confiscation of the appliances<br>Second time: Cancellation of Hostel Privilege for next sessions and/or expulsion from hostel. |
| 3 | Installing internal locks in the allotted rooms                                                                  | Fine upto a maximum of Rs. 5000/-                                                                                                                                                                                                     |
| 4 | Misbehaviour with Hostel Staff or Administration or fellow students.                                             | Fine upto a maximum of Rs. 5000/-                                                                                                                                                                                                     |
| 5 | Playing games in hostel lawns or corridors                                                                       | Fine upto a maximum of Rs. 5000/-                                                                                                                                                                                                     |
| 6 | Smoking in hostel premises, sleeping in prayer hall or common room/study room and any matter of this nature      | Fine upto a maximum of Rs. 5000/-                                                                                                                                                                                                     |
| 7 | Keeping non-residents in the room                                                                                | Fine upto a maximum of Rs. 5000/-and cancellation of hostel privilege for next sessions and/or expulsion from hostel.                                                                                                                 |

**Note:** All fines imposed on students by the HDC/Hostel Administration shall be deposited within 7 days of the issuance of notification. In case of non-compliance, the internet facility for the student shall stand suspended till payment of fine into hostel account.

## B: REGULATIONS FOR HOSTEL DISCIPLINE COMMITTEE

|   |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Keeping non-residents in hostel room                                                                                                                                                                                                                                                                                                     | First time: Fine upto a maximum of Rs. 40,000/-<br>Second time: Cancellation of Hostel Privilege for next sessions and/or expulsion from Hostel.   |
| 2 | Keeping arms, explosives, intoxicants, and drugs or anything alike.                                                                                                                                                                                                                                                                      | Fine upto a maximum of Rs.40,000/- and cancellation of hostel privilege for next session and/or expulsion from hostel.                             |
| 3 | Playing games in hostel lawns and corridors.                                                                                                                                                                                                                                                                                             | Fine upto a maximum of Rs. 20,000/-                                                                                                                |
| 4 | Misbehavior with Hostel Staff or Administration or fellow students.                                                                                                                                                                                                                                                                      | Fine upto a maximum of Rs. 40,000/- and/or expulsion from Hostel and/or cancellation of hostel privilege for next sessions.                        |
| 5 | Invitation to any political figures, scholar or any individual for any speech, lecture, sermon or to circulate any unpublished or published material for this purpose inside or outside the hostel. Pasting posters/notices etc. without the written permission of hostel administration and/or wall chalking and such other activities. | Fine upto a maximum of Rs. 40,000/- and/or expulsion from hostel and/or cancellation of hostel privilege for next sessions.                        |
| 6 | Damaging/theft or misuse of hostel property and hostel card                                                                                                                                                                                                                                                                              | Recovery of loss and Fine upto a maximum of Rs. 40,000/- and/or expulsion from hostel and/or cancellation of hostel privilege for next sessions.   |
| 7 | Subletting of one seat or room to outsiders                                                                                                                                                                                                                                                                                              | Cancellation of Hostel seat and fine of Rs. 10,000/- to 20,000/- for subletting a seat and fine of Rs. 20,000/- to 40,000/- for subletting a room. |
| 8 | Willful absence from HDC meeting by a Student                                                                                                                                                                                                                                                                                            | A fine of upto Rs. 10,000/- for the first time and cancellation of hostel seat and exparte action.                                                 |



# HOSTEL ADMINISTRATION

| S.No.                                         | Designation                         | Name                                               | Phone                        |
|-----------------------------------------------|-------------------------------------|----------------------------------------------------|------------------------------|
| 1                                             | Provost, University Hostels         | Prof. Dr. Khan Shahzada                            | 091-9222223<br>0333-9217623  |
| 2                                             | Deputy Provost, University Hostels  | Mr. Azeem Khan                                     | 0333-5987156                 |
| <b>Engineering Girls' Hostel</b>              |                                     |                                                    |                              |
| 3                                             | Resident Warden                     | Engr. Ishrat Noor                                  | 0314-9172292                 |
| <b>Shah Waliullah Hostel No. 3</b>            |                                     |                                                    |                              |
| 4                                             | Resident Warden<br>Assistant Warden | Dr. Rehmat Ullah Khattak<br>Engr. Fayyaz-ur-Rehman | 0331-5675259<br>0334-8424398 |
| <b>Sahibzada Abdul Qayyum, Hostel No. 4</b>   |                                     |                                                    |                              |
| 5                                             | Resident Warden                     | Engr. Abdur Rahman Babar                           | 0334-9490599                 |
| <b>Syed Jamaluddin Afghani, Hostel No. 5</b>  |                                     |                                                    |                              |
| 6                                             | Resident Warden<br>Assistant Warden | Engr. Abid Hussain<br>Dr. Khoureshid Ahmed         | 0346-9394243<br>0302-8810031 |
| <b>Mehmood-Ghaznavi, Hostel No. 8</b>         |                                     |                                                    |                              |
| 7                                             | Resident Warden<br>Assistant Warden | Dr. Qazi Sami Ullah<br>Engr. Qazi Salman Khalid    | 0333-9876089<br>0335-4300088 |
| <b>Engineering Tribal Hostel No. 11</b>       |                                     |                                                    |                              |
| 8                                             | Resident Warden<br>Assistant Warden | Dr. Imran Khan Swati<br>Engr. Nadeem-ur-Rehman     | 0341-9221369<br>0342-1593017 |
| <b>Sardar Abdur Rab Nishtar Hostel No. 12</b> |                                     |                                                    |                              |
| 9                                             | Resident Warden                     | Engr. Fazli Yazdan                                 | 0317-8941850                 |
| <b>Faculty Research Hostel</b>                |                                     |                                                    |                              |
| 10                                            | Resident Warden                     | Dr. Zubair Ahmad Khan                              | 0345-9370602                 |
| <b>Staff Hostel Hayatabad</b>                 |                                     |                                                    |                              |
| 11                                            | Resident Warden                     | Dr. Muhammad Hamid Khan                            | 0300-5849067                 |

## HOSTEL REGULATIONS

*UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus*

| S.No. | Designation                                                                                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                          | Phone                                                                                                                                                        |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | <b>Abbottabad Campus:</b>                                                                                                                                                                                                                                                                                                                  | <b>Provost</b><br>Engr. Akhtar Munir                                                                                                                                                                          | 0992-9311073                                                                                                                                                 |
| 10    | <b>Jalal Baba Boys Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Sarban Hall Boys Hostel</b><br>Resident Warden<br><br><b>Fatima Girls Hostel</b><br>Resident Warden                                                                                                                                                         | Engr. Muhammad Ayaz<br>Ar. Syied Mansoor Ali Shah<br><br>Mr. Dilnawaz Khan<br><br>Engr. Irum Nasim                                                                                                            | 0300-5717817<br>0345-9527098<br><br>0331-3631510<br><br>0342-3446574                                                                                         |
|       | <b>Bannu Campus:</b>                                                                                                                                                                                                                                                                                                                       | <b>Provost</b><br>Prof. Dr. Naeem Khan                                                                                                                                                                        | 0928-610804                                                                                                                                                  |
| 11    | <b>Allama Iqbal Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Faqir Epi Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Rehman Baba Hostel</b><br>Resident Warden<br><br><b>Girls Hostel</b><br>Resident Warden                                                                                                  | Engr. Abdus Salam<br>Engr. Waleed Shahjehan<br><br>Engr. Fawad Khan<br>Engr. Junaid Iqbal<br><br>Dr. Akhtar Gul<br>Engr. Sadam Ullah<br><br>Dr. Fawad Ahmad                                                   | 0345-9800929<br>0313-9005507<br><br>0306-8789432<br>0334-9486064<br><br>0332-7177977<br>0336-9622796<br><br>0306-8789432                                     |
|       | <b>Jalozai Campus</b>                                                                                                                                                                                                                                                                                                                      | <b>Provost</b><br>Dr. Amjad Ali                                                                                                                                                                               | 0923-9222135                                                                                                                                                 |
| 12    | <b>Abu Bakar Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Umer Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Usman Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Ali Hostel</b><br>Resident Warden<br>Assistant Warden<br><br><b>Ayesha Girls Hostel</b><br>Resident Warden<br>Assistant Warden | Engr. Muhammad Farhan<br>Mr. Sajid Nafees<br><br>Dr. Akhtar Nawaz<br>Mr. Mudasir Shah<br><br>Engr. Fakhr-ul-Islam<br>Engr. Saqib Khan<br><br>Engr. Mohsin Iqbal Qazi<br>Dr. Abid Siddique<br><br>Engr. Najvia | 0333-9896092<br>0333-9618468<br><br>0345-7847425<br>0333-5771573<br><br>0345-7395148<br>0331-9273049<br><br>0332-5056162<br>0311-9503790<br><br>0315-9032555 |

# CONTACTS

*UET Peshawar is zero-tolerant for students' misconduct, indiscipline, harassment, and politics at all levels inside and outside Campus*

University of Engineering & Technology,  
Peshawar (Operator)  
Ph: (+92-91) 9216796-98

Prof. Dr. Sadiq Khattak  
Vice Chancellor  
Ph: (+92-91) 922 2212-3  
Email: vc@uetpeshawar.edu.pk

Prof. Dr. Qaisar Ali  
Pro-Vice Chancellor  
Ph: (+92-91) 9222183  
Email: drqaisarali@uetpeshawar.edu.pk

Prof. Dr. Bashir Alam  
Dean, Faculty of Civil, Agricultural & Mining  
Engineering  
Ph: (+92-91) 9222183  
E-mail: deancam@uetpeshawar.edu.pk

Prof. Dr. Syed Waqar Shah  
Dean, Faculty of Electrical & Computer  
Engineering  
Ph: (+92-91) 9222214  
E-mail: dean@uetpeshawar.edu.pk

Prof. Dr. Rizwan Mahmood Gul  
Dean, Faculty of Mechanical, Chemical  
& Industrial Engineering  
Ph: (+92-91) 9222103  
E-mail: deanmci@uetpeshawar.edu.pk

Prof. Dr. Bashir Alam  
Dean, Faculty of Architecture, Allied Sciences &  
Humanities  
Ph: (+92-91) 9216796-8 (Ext. 3036)  
E-mail: pstodeanaash@uetpeshawar.edu.pk

Dr. Khizar Azam  
Registrar  
Ph: (+92-91) 9222215  
E-mail: registrar@uetpeshawar.edu.pk

Mr. Shahid Nawaz  
Treasurer  
Ph: (+92-91) 9222216  
E-mail: df@uetpeshawar.edu.pk

Prof. Dr. Farid Ullah Khan  
Secretary BOASAR  
Ph: (+92-91) 921 6791  
boasar@uetpeshawar.edu.pk

Prof. Dr. Khan Shahzada  
Provost  
Ph: (+92-91) 9222223 / 9216796-98  
(Ext. 3029)

Mr. Haroon Khan  
Controller of Examinations  
Ph: (+92-91) 921 6989  
E-mail: examination@uetpeshawar.edu.pk

Dr. Muhammad Ajmal  
Director Postgraduate Studies  
Ph: (+92-91) 9222151  
dpgs@uetpeshawar.edu.pk

Prof. Dr. Muhammad Shahzad Khan  
Director Undergraduate Studies  
Ph: (+92-91) 9222260  
E-mail: dug@uetpeshawar.edu.pk

Dr. Safdar Nawaz Khan Marwat  
Director Quality Enhancement Cell  
Ph: (+92-91) 9222128  
E-mail: dirqec@uetpeshawar.edu.pk

Dr. Khurram Sheraz  
Director Admissions  
Ph: (+92-91) 9216784  
Email: admission@uetpeshawar.edu.pk

Dr. Shamaila Farooq  
Director Media & Publications  
Ph: (+92-91) 9222147  
E-mail: dirmedia@uetpeshawar.edu.pk

Mr. Sohail Sarwar  
Manager, IT Center, Ph: (+92-91) 9222284  
E-mail: sohail.sarwar@uetpeshawar.edu.pk

Dr. Amad Ullah Khan  
Chief Proctor  
E-mail: amadullah@uetpeshawar.edu.pk  
Ph: (+92-91) 9216796-8

Prof. Dr. Zia-ul-Haq  
Chief Editor, Journal of Engineering & Applied  
Sciences (JEAS)  
E-mail: chiefeditor@uetpeshawar.edu.pk  
Ph: (+92-91) 9222218

Prof. Dr. Syed Riaz Akbar Shah  
Director CEEC/TIC  
Ph: (+92-91) 9217096, 9217088  
E-mail: dirceec@uetpeshawar.edu.pk

Dr. Nasru Minallah  
Director ORIC  
Ph: (+92-91) 9222132  
E-mail: diroric@uetpeshawar.edu.pk

Dr. Rashid Rehan  
Director NIUIP  
Ph: (+92-91) 9217166  
E-mail: dirniuiip@uetpeshawar.edu.pk

Dr. Nisar Muhammad  
Director Gems & Jewelry Center of Excellence  
(GJCoE)  
Ph: (+92-91) 9222071  
E-mail: gdc@uetpeshawar.edu.pk

Prof. Dr. Muhammad Ashraf  
Director Earthquake Engineering Center  
Ph: (+92-91) 9222287  
E-mail: mashraf@uetpeshawar.edu.pk

Dr. Tariq Ullah Jan  
Director Career Development Center  
Ph: (+92-91) 9216796-8  
Email: cdc@uetpeshawar.edu.pk

Dr. Samad Baseer  
Director Clubs and Societies  
Ph: (+92-91) 9222124  
Email: drsamadbaseer@uetpeshawar.edu.pk

Dr. Adnan Daud  
Director U.S.-Pakistan Center for Advanced Studies  
in Energy (USPCAS-E), Ph: (+92-91) 9217480  
Email: adnan.daud@uetpeshawar.edu.pk

**Chairmen**  
Prof. Dr. Zia-ul-Haq  
Department of Agricultural Engineering  
Ph: (+92-91) 9222218  
E-mail: chairagri@uetpeshawar.edu.pk

Prof. Dr. Saeed Gul  
Department of Chemical Engineering  
Ph: (+92-91) 9222256  
E-mail: chairchem@uetpeshawar.edu.pk

Prof. Dr. Amjad Naseer  
Department of Civil Engineering  
Ph: (+92-91) 9216775  
Email: chairciv@uetpeshawar.edu.pk

Prof. Dr. Laiq Hasan  
Department of Computer Systems Engineering  
Ph: (+92-91) 9222233  
E-mail: laiqhasan@uetpeshawar.edu.pk

Dr. Syed Adeel Ali Shah  
Department of Computer Science  
Ph: (+92-91) 9222276  
E-mail: chaircsit@uetpeshawar.edu.pk

Prof. Dr. Amjad Ullah  
Department of Electrical Engineering  
Ph: (+92-91) 9216498  
E-mail: amjadullah@uetpeshawar.edu.pk

Dr. Rehman Akhtar  
Department of Industrial Engineering  
Ph: (+92-91) 9222221  
E-mail: chairind@uetpeshawar.edu.pk

Prof. Dr. Hamidullah  
Department of Mechanical Engineering  
Ph: (+92-91) 9222161  
E-mail: Chairmech@uetpeshawar.edu.pk

Prof. Dr. Tahir Khan  
Department of Mechatronics Engineering  
Ph: (+92-91) 9217032  
E-mail: tahir@uetpeshawar.edu.pk

Prof. Dr. Ishaq Ahmad  
Department of Mining Engineering  
Ph: (+92-91) 9222219  
E-mail: chair\_min@uetpeshawar.edu.pk

Prof. Dr. Ali Muhammad  
Department of Basic Sciences & Islamiyat  
Ph: (+92-91) 9222220  
E-mail: chairbs@uetpeshawar.edu.pk

Prof. Dr. Bashir Alam  
Department of Architecture Peshawar  
Ph: (+92-91) 9216796-8

Disability Coordinators  
Dr. Amad Ullah Khan  
0333-9109483

Dr. Saira Sherin  
0333-9243760

## Campuses

Engr. Akhter Munir  
Co-ordinator Abbottabad Campus  
Ph: (+92-992) 931 1073  
E-mail: architecture@uetpeshawar.edu.pk

Prof. Dr. Naeem Khan  
Co-ordinator Bannu Campus  
Ph: (+92-928) 610 804, 610636  
E-mail: coordinatorbannu@uetpeshawar.edu.pk

Dr. Amjad Ali  
Co-ordinator Jalozi Campus  
Ph: (+92-923) 577350  
Fax: (+92-923) 577351  
E-mail: coordinatorjz@uetpeshawar.edu.pk

**Produced by:**  
Directorate of Media & Publications  
University of Engineering & Technology, Peshawar  
Tel: (+92-91) 9222147, Email: [dirmedia@uetpeshawar.edu.pk](mailto:dirmedia@uetpeshawar.edu.pk)

- UET Peshawar is zero-tolerant for student politics at all levels inside and outside Campus, misconduct and indiscipline. Any violation in this regard automatically incurs punitive punishment as per established rules.
- Academic disciplines and campuses allotted to candidates at the end of admission process shall be final and cannot be changed [7.15 , University Rules and Regulations, Admission Rules].
- Interpretation of the rules by authorized officers of the University shall be final. The University authorities reserve the right to make any change in Rules at any time without prior notice.
- In all cases where University Rules and Regulations are silent, the decision of the Vice Chancellor shall be final. [15.1, Special Provisions].

**For further details please contact:**  
Directorate of Admissions, University of Engineering & Technology, Peshawar  
Tel: (+92-91) 9216784, E-mail: [admission@uetpeshawar.edu.pk](mailto:admission@uetpeshawar.edu.pk)  
Website: [www.uetpeshawar.edu.pk](http://www.uetpeshawar.edu.pk)