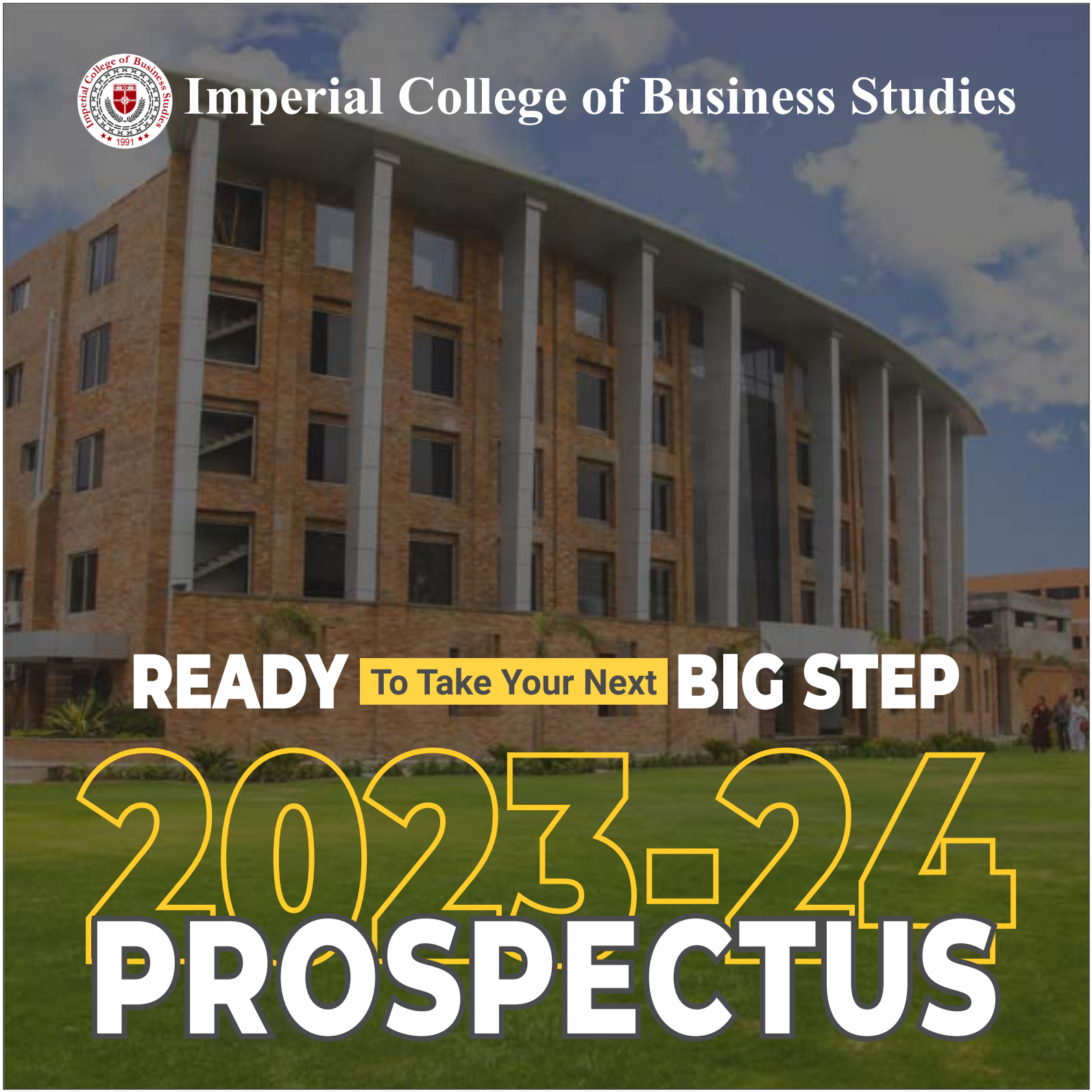
Imperial College of Business Studies



READY To Take Your Next BIG STEP

2023-24 PROSPECTUS

Your Future at ICBS

> "I couldn't imagine going to university anywhere else. I've found friends for life and the city is a second home to me."

DISCLAIMER

The information contained in this Prospectus is subject to change without prior notice. Every effort has been made to ensure that the information contained herein is correct at the time of compilation. However, the Imperial College of Business Studies reserves the right to make changes, including fees, wherever and whenever necessary. In the event of inconsistency between the information contained in this Prospectus and the College's regulations or programs, or where an interpretation of the Prospectus is required, the decision of the College shall be final.

APPLY NOW

Scan QR to visit ICBS website. Start a successful future

MISSION

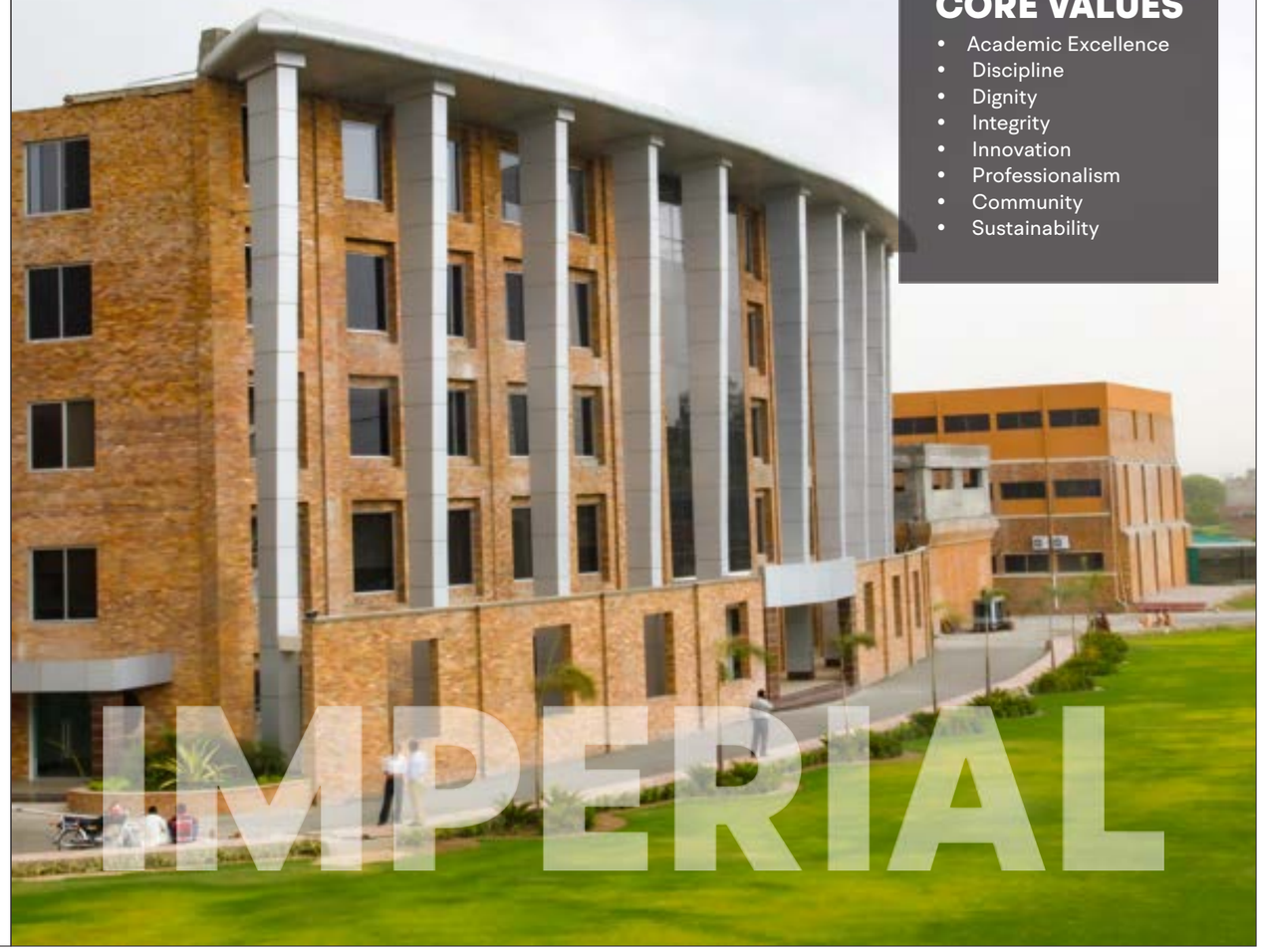
The ICBS is committed to producing leaders, scholars, engineers, technologists, scientists, and entrepreneurs instilled with professional ethics, character, and competence, with the vision to face future challenges and the ability to offer solutions.

VISION

ICBS aims to be recognized as a leading institution for producing ethical and competent professionals and leaders who are instrumental in developing a dynamic and prosperous society.

CORE VALUES

- Academic Excellence
- Discipline
- Dignity
- Integrity
- Innovation
- Professionalism
- Community
- Sustainability



DR. ADNAN ZAHIR

Chairman

The Imperial College of Business Studies

The present age is the most challenging as it involves nations' survival through attaining excellence in modern knowledge based on technological advancement. Unfortunately, Muslims' negative and apathetic attitudes toward acquiring education have taken them away from the light of wisdom. The tide of events turned in favour of the West. It is true that national development, to a great extent, depends on the people being educated and aware of their national responsibilities. It is also true that only educated masses who can fully and adequately understand the national needs and requirements become a force for growth and development. In this situation, education contributes a great deal to developing human talent. We are fully aware of the overriding importance of modern education. Therefore, we have established an institute of academic excellence in the name and style of the Imperial College of Business Studies in Lahore. It is a chartered, autonomous, independent, organised, and managed institution in the private sector.

Prof. Dr. Tahira Aziz Mughal

Rector

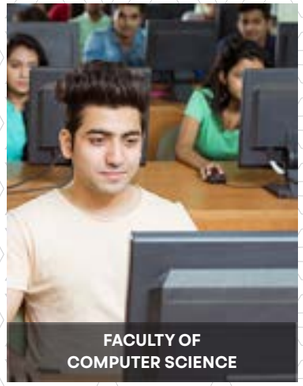
The Imperial College of Business Studies

It is a privilege to lead such a prominent institution of higher learning. ICBS has epitomised an integrated ecosystem of quality education, cutting-edge research, and innovation. Higher Education Institutions (HEIs) typically require centuries to generate an impact of such magnitude on society. Our core ambition is to nurture and groom young, fertile brains through experiential learning. My challenge is to generate such an institute of excellence that will benefit society, educate and train the students to work in fields where they will be valued for their specialised knowledge and ability to research, communicate, and solve problems. We will build alliances and collaborative partnerships with businesses, government, and other research institutions to meet this challenge. This will help us ensure the ongoing relevance of our academic programs and the continued excellence of our teaching. The responsibility of creating a global knowledge disseminating hub that transgresses national and international borders and territories, transforming every student into a responsible human by igniting innovation in their minds, and finally, turning them into excellent professionals. I welcome you to join us in any capacity to shape the future, lead the nation's progress, and contribute to serving humanity, and I wish you the best in your endeavours to achieve your dreams.

ABOUT ICBS

The Imperial College of Business Studies, Lahore (ICBS) was established in 1991 by the Pakistan Benevolence & Social Management Trust. The initial development of ICBS was supported by academic collaborations with the University of Hull, UK. In 2002, ICBS was chartered by the Government of Punjab as independent degree awarding institution (The Imperial College of Business Studies Ordinance 2002, Punjab Ordinance No. XIX, 2002). The Higher Education Commission of Pakistan (HEC) awarded the ICBS with highest category status "W" which is reserved for those institutions that fulfill all criteria of an International Quality University. The ICBS degree is recognized by the Higher Education Commission, Pakistan Engineering Council, Pakistan Council for Architecture & Town Planner and by the institutions abroad. The Imperial College of Business Studies serves the national and international community through a broad spectrum of undergraduate, graduate and postgraduate studies, professional training, public service, research, creative activities and outreach programs. It offers highly market oriented academic programs in multiple disciplines including B.Sc. Engineering, B.Sc. Engineering Technology, Management Sciences, Computing, Information Technology, Social Sciences, Commerce, Economics, Urdu, English, Islamic Studies and Architecture. The Imperial College of Business Studies, has one of the most qualified groups of faculty members in each discipline:

FACULTY OF
ENGINEERING & TECHNOLOGY



FACULTY OF
COMPUTER SCIENCE

FACULTY OF ART, SOCIAL
SCIENCES AND HUMANITIES

FACULTY OF
BUSINESS ADMINISTRATION

CHARTER, ACCREDITATION & RECOGNITION

The ICBS is chartered by the Government of the Punjab as an independent degree awarding institute, (The Imperial College of Business Studies Ordinance 2002, Punjab Ordinance No. XIX, 2002). ICBS degree is recognized by the Higher Education Commission and by institutions abroad. The ICBS is the first Business School in Punjab to be certified as having quality management system through ISO 9001:9002.

National Technology Council

Pakistan Engineering Council

Higher Education Commission

Pakistan Council of Architects and Town Planners

National Computing Education Accreditation Council

National Business Education Accreditation Council

LINKAGES & ALLIANCES

Local Linkages

The ICBS invites guest speakers from all walks of life to share their experiences and past knowledge gained over the years in practical life. Students are expected to learn and benefit from the experiences of such distinguished celebrities.

International Linkages

Realizing that Research and Development activities in this era of tough competition and globalization cannot take place in isolation, The ICBS has established linkage with reputed national and international organizations. It has signed MOUs with renowned international educational institutions. The nucleus rationale of getting into linkages is to encourage exchange of students and faculty to pursue higher education, to organize joint conferences, workshops and seminars, to arrange joint research activities, to work out on staff development programs, and other academic related activities. The ICBS has following international linkages.

RECTOR OFFICE

The Rector Office is the principal academic and administrative office of the ICBS. The role of the Office of Rector is to provide quality services to the statutory bodies, the syndicate and other related bodies. Theses services include strategic and academic leadership, planning, policy development, reporting and executive support. The Recor Office provides and demonstrates leadership, integrity and the highest standards of professionalism.

- Strategic planning with different components of ICBS
- Responsibility to meet the ICBS statutory obligations
- Coordination in Academic, Non-Academic and other activities of the departments of ICBS
- Source of light and standards for governance and senior management.

Rector

Prof. Dr. Tahira Aziz Mughal

REGISTRAR OFFICE

The Office of the Registrar is committed primarily to the service of faculty and students through scheduling, registration, record keeping and reporting as well as assisting the deans and other administrative offices in their service. The office also supports the ICBS community in matters pertaining to transcripts, academic calendars, academic policies and the course catalogue and degree verifications.

We act as a facilitator for students, faculty, and staff as they pursue the academic goals of the university. The Office of the Registrar provides a welcoming and encouraging environment, maintaining the integrity, accuracy, and appropriate confidentiality of academic records at ICBS, Lahore.

Registrar

Prof. Manzur-ul-Hassan Niazi

CONTROLLER OF EXAMINATIONS OFFICE

Examination Department is the backbone of any university/institute and also plays a vital role in the functioning of a university/institute i.e., conducting the Examinations, Announcement of Results, Award of Degree, Issuance of Certificates, Verification of Academic Records & Arrangement of Convocation.

The Examination Department of ICBS Lahore conducts highly reliable examinations with zero tolerance towards misconduct. The examinations and evaluation system of ICBS contribute to making its degree as a benchmark of Quality Education.

Controller

Prof. Dr. Rukhsana Nadeem Bhutta

TREASURER OFFICE

The Office of Treasurer ensures that all transactions adhere to ICBS policies and procedures, generally accepted accounting principles, and rules established by the authoritative governing bodies. It strives to provide accurate financial information throughout the organization with a great deal of integrity and reliability.

Director Finance

Mr. Muhammad Arqam Munawar

DIRECTORATE OF QUALITY ENHANCEMENT CELL (QEC)

Vision

To be recognized as a leading institution for producing ethical and competent professionals and leaders who are instrumental in development of a dynamic and prosperous society.

Mission

Imperial College of Business Studies is committed to disseminate knowledge through the pursuit of excellence in teaching, research, and creative work through interactive learning for public welfare and to meet the challenges of future.

Director

Prof. Dr. Rukhsana Nadeem Bhutta

Preview

The development, application and maintenance of quality benchmarks in all its key performance area is one of the emerging challenges faced by any higher education institute. To institutionalize the process of quality development and enhancement, the Quality Assurance Agency (QAA) was established in Higher Education Commission (HEC).
Quality Enhancement Cell (QEC) has been established in Imperial College of Business Studies, as a post accreditation quality sustenance measure, in pursuance of the National Action Plan.

QEC at ICBS ensures the quality education through continuous improvement of supportive and conducive learning environment while incorporating the student, professional and community needs by coordination, collaboration and dissemination of quality activities among stakeholders. Likewise creating value and making a difference by implementing and incorporating best practices of standardization.

DIRECTORATE OF MARKETING

Marketing Office ICBS is committed for actively seeking out and developing brilliant students - regardless of their financial and social circumstances. Our community comprises of people with diverse talents, interests, backgrounds and cultures. Admission office keenly look at the student profile, determine and facilitate them for achievement of the future endeavors. Students with thin financial line are offered scholarships by ICBS. Scholarship Office (SO) has been established in ICBS Lahore. There are number of scholarships available to assist students with their educational expenses on need and merit basis. In addition, ICBS offers different scholarships to the students for the promotion of education. Categories of these scholarships are as under:

- Merit Based
- Need Based
- Martyred / Army / Police officers
- Sports Based
- Quarantine Based (in case or quarantine circumstances)
- Natural Disaster Effectees

Director Marketing

Mr. Irfan Tahir

DIRECTORATE OF STUDENT AFFAIRS

The office of the Student Affairs establishes a link between the university administration and the students. It facilitates students in addressing their problems related to academics, co-curricular activities, sports, libraries, examination, transportation, health, fee, career planning and discipline etc. The goal of the Student Affairs Office is to ensure the welfare and growth of students with respect to every aspect of their university life and to ensure provision of maximum support in the following areas:

- Students Council
- Scholarship Office
- Sports
- Societies
- Hostel
- Guidance Center
- Medical Facilities
- Internship/Job Placement

Director Student Affairs

Mr. Hawaris Munawar

DIRECTORATE OF SPORTS

The Vision is to nourish, facilitate, and polish the sports competency and capability in the youth of ICBS. The ultimate goal is to promote skills and knowledge to make them excel in sports. The directorate of sports is committed to preparing them to shoulder responsibilities in the new millennium and building a better nation through healthy activities and reviving the sports culture in society. Facilities for following sports are available at ICBS:

- Shooting and Fencing Range of International Standards-First indoor Shooting Range in Pakistan
- Table Soccer Training Center
- Volleyball Court, Handball Court, Football Ground
- Cricket Ground
- Rugby Ground
- Baseball Ground
- Badminton
- Hockey
- Basketball court

Director Sports

Ms. Humaira Mughal

FACULTY OF ENGINEERING & TECHNOLOGY

SCIENTISTS DREAM ABOUT DOING GREAT THINGS. ENGINEERS DO THEM.

ACADEMIC STRUCTURE OF ENGINEERING PROGRAM (AS PER HEC/PEC)

Domain	Knowledge Area	Total Courses	Total Credit Hours	% Overall
Non -Engineering	Humanities	6	13	30
	Management Sciences	3	8	
	Natural Sciences	7	20	
	Sub Total	16	41	
Engineering	Computing	3	9	70
	Engineering Foundation	9	29	
	Major Based Core (Breadth)	6	20	
	Major Based Core (Depth)	7	24	
	Inter-Disciplinary Engineering Breadth (Electives)	2	7	
	Civil Engineering Project	1	6	
	Industrial Training/Internship (Summer)	0	0	
	Sub Total	28	95	
Total		44	136	100.00

PROGRAMS OFFERED

- B.Sc. Civil Engineering
- B.Sc. Electrical Engineering
- B.Sc. Mechanical Engineering
- B.Sc. Civil Engineering Technology
- B.Sc. Electrical Engineering Technology
- B.Sc. Mechanical Engineering Technology
- Biomedical Engineering Technology
- Architectural Engineering Technology
- Software Engineering Technology

B.Sc. CIVIL ENGINEERING

The field of Civil engineering (CE) deals with the development of infrastructure project; from conceiving to planning, designing and construction stages. The field also covers operation and maintenance of the facilities along with rehabilitation of structures; it is a diversified field which deals with all types of human endeavors related to growth of civilization in the shape of building, transportation systems, industry, power system, water resources, sewage collection treatment and to safeguard the environment. To become a leading Civil Engineering Department through dedication and commitment to quality with the aim to produce industrious and forward looking ethically responsible graduates capable of providing solutions to complex engineering problems of society. The department in providing superiority to its students by improving competencies in new techniques and methods to fulfill the needs of a sustainable environmental. A diverse platform has been established to provide quality education which will enhance capabilities of the students to acquire advanced knowledge in various engineering subjects.

MISSION STATEMENT

Promote academic excellence in Civil Engineering Technology through knowledge, innovation, and applied skills supported with spirt of entrepreneurship, social responsibilities, and ethical practices to best serve society and industry.

APPROVED BY Pakistan Engineering Council

PROGRAM OVERVIEW

Structural Engineering

Students study the principles of structural analysis and design, learning about the behavior of materials, structural systems, and the design of bridges, buildings, and other structures.

Geotechnical Engineering

Students gain knowledge of soil mechanics and foundation engineering, understanding the behavior of soil, site investigations, and design of foundations for structures.

Transportation Engineering

Students learn about transportation systems, traffic engineering, and transportation planning, studying the design and management of transportation networks and infrastructure.

Water Resources Engineering

Students study water supply systems, wastewater management, and hydraulic engineering, focusing on the design and analysis of water-related infrastructure and systems.

CAREER SCOPE

Construction Industry

Graduates can work in construction companies, involved in the planning, design, and management of construction projects, including residential, commercial, and infrastructure development.

Infrastructure Development

Graduates can work in government agencies, engineering firms, or consulting companies, contributing to the design and implementation of infrastructure projects, such as roads, bridges, dams, or water supply systems.

Transportation Sector

Graduates can work in transportation departments, transit agencies, or engineering firms, involved in the planning, design, and management of transportation networks, including roads, railways, airports, or ports.

Water and Environmental Engineering

Graduates can work in water and environmental engineering firms, focusing on water supply systems, wastewater treatment, environmental impact assessment, or flood management projects.

Geotechnical Engineering

Graduates can work in geotechnical consulting firms, conducting site investigations, analyzing soil behavior, and designing foundations for structures or slope stability measures.

Structural Engineering

Graduates can work in structural engineering firms, involved in the analysis, design, and evaluation of buildings, bridges, or other structures.

Project Management

Graduates can work as project managers in construction companies or engineering firms, overseeing project execution, managing budgets, and ensuring timely completion of projects.

ADMISSION CRITERIA

1. F.Sc (Pre-Engg)/A-Level (Phy, Chem, Math) with minimum 60% marks (A-Level applicants to submit equivalence certificate from IBCC) or DAE in relevant discipline with minimum 60% marks.

2. Entry Test of ICBS entry test with at least 50% marks.

Note: Criteria based on the direction of OPEC included in SRO 1142 (1) 85 Regulations for Engineering Education of Pakistan.

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/CE-101	Civil Engineering Materials	3 (3+1)
Maj/CE-102	Basic Electro-Mechanical Engineering	4 (2+2)
Maj/CE-103	Engineering Drawing	3 (1+2)
CC/Eng-103	Functional English	2 (2+0)
FC/Math-101	Applied Calculus / Mathematics-1	3 (3+0)
CC/PS-101	Pakistan Studies	1 (1+0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Isl.Edu-101 CC/Phil-101	Islamic Studies Ethics (For Non-Muslim)	2 (2+0)
Maj/CE-104	Engineering Geology	2 (2+0)
Maj/CE-105	Engineering Surveying	3 (2+1)
Maj/CE-106	Engineering Mechanics	4 (3+1)
FC/Math-102	Applied Differential Equations / Mathematics-II	3 (3+0)
	Total Credits	**14**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/CS-301	Computer Programing	3 (1+2)
Maj/CE-201	Civil Engg. Drawing & Graphics	4 (2+2)
Maj/CE-202	Advanced Engineering Surveying	3 (2+1)
Maj/CE-203	Mechanics of Solids-I	3 (2+1)
CC-Eco-101	Engineering Economics	2 (2+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/CE-204	Construction Engineering	3 (3+0)
Maj/CE-205	Structural Analysis-I	3 (3+0)
Maj/CE-206	Soil Mechanics	4 (3+1)
FC/Math-203	Numerical Analysis / Mathematics-III	3 (3+0)
Maj/CE-207	Fluid Mechanics	4 (3+1)
	Total Credits	**17**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
FC/Math-301	Probability & Statistics/ Mathematics IV	3 (2+1)
Maj/CE-301	Advanced Fluid Mechanics	4 (3+1)
CC/Eng-301	Business Communication	2 (2+0)
Maj/CE-302	Professional Ethics	2 (2+0)
Maj/CE-303	Reinforced Concrete Design-I	4 (3+1)
Maj/CE-304	Quantity & Cost Estimation	3 (2+1)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/BA-305	Construction Management	3 (2+1)
Maj/CE-306	Mechanics of Solid-II	3 (2+1)
Maj/CE-307	Reinforced Concrete Design-II	4 (3+1)
Maj/CE-308	Transportation Engineering-I	3 (3+0)
Maj/CE-309	Engineering Hydrology	3 (2+1)
Maj/CE-310	Structural Analysis-II	2 (2+0)
	Total Credits	**18**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/CE-401	Environmental Engineering-I	3 (2+1)
*EC/CE-	Choose from Annexure – B	3 (3+0)
Maj/Aet-402	Architecture & Town Planning	3 (3+0)
Maj/CE-403	Geotechnical & Foundation Engineering	3 (2+1)
Maj/CE-404	Transportation Engineering-II	3 (2+1)
Maj/CE-409	Civil Engineering Project	3 (0+3)
	Total Credits	**18**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
CC/CE-405	Geo Informatics	2 (1+1)
EC/CE-406	Environmental Engineering-II	2 (2+0)
Maj/CE-407	Steel Structures	3 (3+0)
Maj/CE-408	Hydraulics & Irrigation Engineering	4 (3+1)
*EC/SS-	Social Science Elective	2 (2+0)
Maj/CE-410	Civil Engineering Project	3 (0+3)
	Total Credits	**16**

Total Hours:

16+14+15+17+18+18+18+16=132 CR

B.Sc. ELECTRICAL ENGINEERING

The Department of Electrical Engineering at Imperial College of Business Studies is a community of faculty, staff, studies, and alumina, industrial and governmental partners working together to improve country and society in the broadcast terms through Research and Education. Specialization in such varied areas as circuit theory, communication sciences, computers, control systems, electromagnetic fields, energy sources and systems, power systems control and operation electronic devices and system is available.

MISSION STATEMENT

Promote academic excellence in Electrical Engineering Technology through knowledge, innovation, and applied skills supported with spirt of entrepreneurship, social responsibilities, and ethical practices to best serve society and industry.

PROGRAM OVERVIEW

Electrical Circuits and Systems

Students study the principles of electrical circuits, analyzing and designing circuits using components such as resistors, capacitors, and inductors.

Electronics

Students learn about electronic devices and circuits, including transistors, diodes, amplifiers, and integrated circuits.

Power Systems

Students gain knowledge of power generation, transmission, and distribution systems, including transformers, generators, motors, and power grids.

Control Systems

Students study control theory and its applications, including feedback control systems, industrial automation, and robotics.

Communication Systems

Students learn about communication principles and technologies, including digital communication, wireless communication, and signal processing.

APPROVED BY

Pakistan Engineering Council

CAREER SCOPE

Power Generation and Distribution

Graduates can work in power generation companies, electrical utilities, or energy sectors, involved in the design, operation, and maintenance of power systems.

Electronics and Telecommunications

Graduates can work in electronics manufacturing companies, telecommunications companies, or research and development organizations, designing and developing electronic devices, communication systems, or embedded systems.

Automation and Control Systems

Graduates can work in automation companies, manufacturing industries, or engineering firms, involved in the design, installation, and maintenance of control systems, robotics, and industrial automation.

Renewable Energy

Graduates can work in the renewable energy sector, focusing on solar power, wind power, or hydroelectric power generation, and developing sustainable energy solutions.

Consulting and Engineering Services

Graduates can work in consulting firms or engineering services companies, providing expertise in electrical system design, project management, or technical consultancy.

Research and Development

Graduates can pursue research and development careers in academic institutions, government research organizations, or private research labs, contributing to advancements in electrical and electronic technologies.

ADMISSION CRITERIA

1. F.Sc (Pre-Engg)/A-Level (Phy, Chem, Math) with minimum 60% marks (A-Level applicants to submit equivalence certificate from IBCC) or DAE in relevant discipline with minimum 60% marks.

2. Entry Test of ICBS or UET entry test with at least 50% marks.

Note: Criteria based on the direction of OPEC included in SRO 1142 (1) 85 Regulations for Engineering Education of Pakistan.

SCHEME OF STUDIES - B.Sc. ELECTRICAL ENGINEERING

YEAR -I — Semester -I

Course No	Course Title	Credit Hours
Maj/EE-101	Linear Circuit Analysis	4(3+1)
CC/PS-101	Pakistan Studies	2(2+0)
CC/CS-102	Introduction to Computing	1(0+1)
CC/Eng-101	Functional English	3(3+0)
FC/Math-101	Calculus & Analytic Geometry	3(3+0)
FC/Phy-101	Applied Physics	4(3+1)
	Total Credits	**17**

YEAR -I — Semester -II

Course No	Course Title	Credit Hours
Maj/EE-102	Electronic Devices & Circuit	4(3+1)
Maj/EE-103	Workshop Practice	1(0+1)
CC/CS-102	Programming Fundamentals	4(3+1)
CC/Isl.Edu-101 CC/Phil-101	Islamic Studies / Ethics (for Non-Muslim)	2(2+0)
FC/Math-102	Differential Equations	3(3+0)
FC/Math-103	Linear Algebra	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - B.Sc. ELECTRICAL ENGINEERING

YEAR -II — Semester -III

Course No	Course Title	Credit Hours
Maj/EE-201	Electrical Network Analysis	4(3+1)
CC-Eng-201	Technical Writing	3(3+0)
Maj-EE-202	Data Structures & Algorithms	4(3+1)
Maj-EE-203	Digital Logic Design	4(3+1)
FC/Math-104	Multivariable Calculus	3(3+0)
	Total Credits	**18**

YEAR -II — Semester -IV

Course No	Course Title	Credit Hours
Maj/EE-204	Microprocessor Systems	4(3+1)
Maj/EE-205	Engineering Drawing	1(0+1)
Maj/EE-206	Electrical Machines	4(3+1)
Maj/EE-207	Signals & Systems	4(3+1)
CC-Eng-202	Communication Skills	3(3+0)
Maj/EE-111	Numerical Analysis/Discrete Structures	2(2+0)
	Total Credits	**18**

SCHEME OF STUDIES - B.Sc. ELECTRICAL ENGINEERING

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/EE-301	Probability Models in Engineering	3(3+0)
Maj/EE-302	Linear Control Systems	4(3+1)
Maj/EE-303	Electromagnetic Field TheoryE	3(3+0)
Maj/EE-304	lectronic Circuit Design.	4(3+1)
*EC/EE-	Choose from Annexure -A	3(3+0)
	Total Credits	**17**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/EE-305	Instrumentation & Measurement	4(3+1)
Maj/EE-306	Communication Systems	4(3+1)
*EC/EE-	Choose from Annexure -A	3(3+0)
Maj/EE-307	Integrated Circuits & Applications (DE I)	4(3+1)
CC/Eco-301	Engineering Economics & Management	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - B.Sc. ELECTRICAL ENGINEERING

YEAR -IV — Semester -VII

Course No	Course Title	Credit Hours
Maj/EE-401	Embedded Systems Design (DE II)	4(3+1)
*EC/EE-	Choose from Annexure -A	3(3+0)
Maj/EE-402	Professional Practice	3(3+0)
GC/EE-403	Social Sciences-I	3(3+0)
Maj/EE-407	Senior Design Project –I	3(0+3)
	Total Credits	**16**

YEAR -IV — Semester -VIII

Course No	Course Title	Credit Hours
Maj/EE-404	FPGA Based System Design (DE IV)	4(3+1)
*EC/EE-	Choose from Annexure -A	4(3+1)
GC/EE-405	Social Sciences-II	4(4+0)
Maj/EE-408	Senior Design Project-II**	3(0+3)
	Total Credits	**15**

Total Hours:

17+17+18+18+17+18+16+15=136 CR

B.Sc. MECHANICAL ENGINEERING

The scope of Mechanical Engineering Curriculum is based on existing needs of this discipline and a cushion for accommodation of courses / contents to address emerging / futuristic trends in the discipline of Mechanical Engineering. The role for Industry-Academia linkage to address problems facing industry and their indigenous solutions is also in the scope of this curriculum. The faculty of Department of Mechanical Engineering is a diverse group of professional educators. This faculty has as its primary goal, the mentoring of engineering students and productivity is measured in terms of how much they accomplish with their students. When student's success, the faculty does too.

MISSION STATEMENT

The Mechanical Engineering Technology degree program prepares students to apply theoretical and practical concepts toward professional careers that make significant contributions to supporting engineering design, testing, and production.

The Mechanical Engineering Technology program provides relevant industrial experience within the academic environment through laboratory projects, experimentation, class room lecture and demonstrations.

PROGRAM OVERVIEW

Mechanics

Students study the principles of mechanics, including statics, dynamics, and mechanics of materials, analyzing the behavior of structures and materials under different loads.

Thermodynamics

Students learn about the laws of thermodynamics, energy transfer, and heat engines, understanding the principles of energy conversion and thermal systems.

Fluid Mechanics

Students gain knowledge of fluid properties and behavior, studying fluid dynamics, fluid flow in pipes, pumps, and hydraulic systems.

Machine Design

Students learn the principles of machine design, including kinematics, dynamics, and mechanical components, applying engineering principles to design and analyze machines.

Manufacturing Processes

Students study manufacturing techniques, such as machining, casting, welding, and forming processes, understanding the production and fabrication of mechanical components.

APPROVED BY

Pakistan Engineering Council

CAREER SCOPE

Manufacturing and Production

Graduates can work in manufacturing companies, involved in product design, process optimization, production planning, or quality control.

Automotive and Aerospace Industries

Graduates can work in automotive or aerospace industries, designing and developing vehicles, aircraft, or their components.

Energy and Power

Graduates can work in the energy sector, focusing on the design and maintenance of power plants, renewable energy systems, or energy-efficient technologies.

HVAC and Building Services

: Graduates can work in the construction industry, specializing in heating, ventilation, and air conditioning (HVAC) systems, plumbing, or building services design.

Research and Development

Graduates can pursue research and development careers in academic institutions, research organizations, or private companies, contributing to advancements in mechanical systems, materials, or manufacturing processes.

Consulting and Engineering Services

Graduates can work in consulting firms or engineering services companies, providing expertise in mechanical system design, project management, or technical consultancy.

Robotics and Automation

Graduates can work in industries that utilize robotics and automation, designing robotic systems, developing automation solutions, or programming robotic operations.

ADMISSION CRITERIA

1. F.Sc (Pre-Engg)/A-Level (Phy, Chem, Math) with minimum 60% marks (A-Level applicants to submit equivalence certificate from IBCC) or DAE in relevant discipline with minimum 60% marks.

2. Entry Test of ICBS or UET entry test with at least 50% marks.

Note: Criteria based on the direction of OPEC included in SRO 1142 (1) 85 Regulations for Engineering Education of Pakistan.

SCHEME OF STUDIES - B.Sc. MECHANICAL ENGINEERING

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
FC/Math-101	Mathematics-1	3 (3+0)
FC/Phy-101	Applied Physics	3 (2+1)
FC/Chem-101	Applied Chemistry	2 (2+0)
CC/Eng-101	Functional English	2 (2+0)
CC/CS-101	Computer Systems and Programming	2 (2+1)
Maj/ME-101	Engineering Drawing and Graphics	2 (1+1)
Maj/ME-102	Introduction to Engineering	1 (1+0)
	Total Credits	**15**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/ME-103	Computer Aided Drawing	1 (0+1)
Maj/ME-104	Electrical Engineering	3 (2+1)
FC/Math-102	Mathematics-2	3 (3+0)
CC/Eng-101	Communication Skills	2 (1+1)
Maj/ME-105	Workshop Practice	2 (0+2)
Maj/ME-106	Engineering Mechanics-I: Statics	3 (3+0)
Maj/ME-107	Engineering Materials	3 (3+0)
	Total Credits	**17**

SCHEME OF STUDIES - B.Sc. MECHANICAL ENGINEERING

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/PS-101	Pakistan Studies	2 (2+0)
Maj-ME-201	Engineering Mechanics-II: Dynamics	3 (3+0)
Maj/ME-202	Mechanics of Materials–I	3 (3+0)
Maj/ME-203	Thermodynamics-I	3 (3+0)
CC/Eng-202	Technical Report Writing and Presentation Skills	1 (1+1)
Maj/ME-204	Engineering Mechanics Lab	1 (0+1)
FC/Math-201	Mathematics-3	3 (3+0)
	Total Credits	**16**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/ME-205	Electronics Engineering	3(2+1)
Maj/ME-206	Thermodynamics-II	3(3+0)
*EC/SC-	Choose from Annexure -A	2(2+0)
Maj/ME-207	Machine Design-I	3(3+0)
Maj/ME-208	Mechanics of Materials–II	3(3+0)
Maj/ME-209	Mechanics of Materials Lab	1(0+1)
Maj/ME-210	Fluid Mechanics-I	3(3+0)
Maj/ME-211	Thermodynamics Lab	1(0+1)
	Total Credits	**19**

SCHEME OF STUDIES - B.Sc. MECHANICAL ENGINEERING

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/ME-201	Fluid Mechanics-II	3 (3+0)
FC/Math-104	Mathematics-4	3 (2+1)
Maj/ME-202	Machine Design -II	2 (2+0)
Maj/ME-203	Instrumentation and Measurement	3 (2+1)
Maj/ME-204	Heat & Mass Transfer	3 (3+0)
Maj/ME-205	Manufacturing Processes	3 (3+1)
Maj/ME-206	Fluid Mechanics Lab	1 (0+1)
	Total Credits	**18**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/ME-207	Engineering Statics	3 (3+0)
*EC/ME-	Choose from Annexure -B	2 (2+0)
Maj/ME-208	Control Engineering	3 (3+1)
Maj/ME-209	Mechanics of Machines	3 (3+0)
Maj/ME-210	Heating, Ventilating and Air Conditioning	3 (3+0)
Maj/ME-211	Heat Transfer and HVAC Lab	1 (0+1)
Maj/ME-212	Health, Safety and Environment	1 (1+0)
	Total Credits	**16**

SCHEME OF STUDIES - B.Sc. MECHANICAL ENGINEERING

YEAR -IV — Semester -VII

Course No	Course Title	Credit Hours
CC/Eco-102	Engineering Economics	2 (2+0)
Maj/ME-301	Mechanical Vibrations	3 (3+0)
Maj/ME-302	Internal Combustion Engines	3 (3+0)
*EC/ME-	Choose from Annexure -B	2 (2+0)
Maj/ME- 307	Senior Design Project-I	3 (0+3)
Maj/ME-303	Mechanisms and Mechanical Vibrations Lab	1 (0+1)
Maj/ME-304	Introduction to Finite Element Analysis	3 (2+1)
	Total Credits	**17**

YEAR -IV — Semester -VIII

Course No	Course Title	Credit Hours
CC/Isl-101	Islamic Studies	2 (2+0)
CC/philo-101	Ethics	2 (2+0)
*EC/ME-	Choose from Annexure – B	2 (2+0)
*EC/ME-	Choose from Annexure -B	2 (2+0)
CC/BBA-101	Entrepreneurship	2 (1+0)
Maj/ME-305	Power Plants	3 (3+0)
Maj/ME-306	IC Engines & Power Plants Lab	1 (0+1)
Maj/EE-308	Senior Design Project-II	3 (0+3)
	Total Credits	**15**

Total Hours:

15+17+16+19+18+16+17+15=133 CR

B.Sc. CIVIL ENGINEERING TECHNOLOGY

The main emphasis of B.Sc. Civil Engineering Technology Program is to provide the students with a sound foundation of mathematics and other sciences and to utilize their knowledge in solving problems of structure, irrigation and hydraulics, soil mechanics, foundations, highways and environmental engineering. It enables the students to know about the operation and maintenance of projects and gives them on-job training to work independently on projects, handle repairs, set up tools and other equipment required for engineering works. Our students are also trained to use the engineering software for construction.

MISSION STATEMENT

Students are trained as technologists to face various challenges of the industry. They are trained in basic techniques, skills and the use of modern tools, as a result of this training, they are able to utilize their knowledge and skills in modern surveying for land measurements and execution of construction projects. Our graduates are in great demand in local as well as abroad construction industries.

PROGRAM OVERVIEW

Structural Analysis

Students study the principles of structural analysis and design, learning about the behavior of structures and the application of building codes and standards.

Construction Materials

Students gain knowledge of construction materials, such as concrete, steel, timber, and masonry, understanding their properties, testing, and applications in construction projects.

Surveying and Geomatics

Students learn surveying techniques, including land surveying, topographic surveying, and GPS (Global Positioning System) surveying, to collect data for construction projects.

Construction Management

Students study project management principles, construction planning, scheduling, cost estimation, and contract management, focusing on the efficient execution of construction projects.

Building Codes and Regulations

Students gain an understanding of building codes, regulations, and safety standards, ensuring compliance with legal requirements in construction projects.

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CAREER SCOPE

Construction Industry

Graduates can work in construction companies, involved in project planning, construction management, site supervision, or quality control.

Surveying and Mapping

Graduates can work in surveying firms or geospatial technology companies, performing land surveys, mapping, or GIS (Geographic Information System) analysis for construction projects or land development.

Building Inspection and Compliance

Graduates can work in regulatory authorities or building inspection departments, ensuring compliance with building codes, regulations, and safety standards.

Construction Estimation and Cost Control

Graduates can work in construction companies or consulting firms, involved in cost estimation, quantity surveying, and cost control for construction projects.

Project Coordination

Graduates can work as project coordinators or project managers, overseeing construction projects, coordinating with contractors, and ensuring project timelines and quality standards are met.

Building Maintenance and Facility Management

Graduates can work in facility management companies, managing the maintenance and operation of buildings, ensuring their proper functioning and safety.

Civil Engineering Consultancy

Graduates can work in engineering consulting firms, providing expertise in construction design, project management, or technical consultancy for civil engineering projects.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Civil Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairmen (IBCC) and eligibility by the concerned HEI.

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Isl-101	Islamic Studies	2 (2+0)
CC/philo-101	Ethics (for Non-Muslim)	2 (2+0)
FC/Math-101	Applied Mathematics-I	3 (3+0)
CC/CS-101	Introduction to Computer Fundamentals	3 (1+2)
Maj/CET-101	Civil Engineering Drawing	3 (1+2)
Maj/CET-102	Surveying	4 (2+2)
Maj/CET-103	Occupational Health & safety Management	2 (2+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/CET-104	Concrete Technology	4 (2+2)
CC/Eng-101	Communication Skills	3 (3+0)
Maj/CET-105	Applied Mechanics	4 (2+2)
Maj/CET-106	Materials and Methods of Construction	4 (2+2)
FC/Math-102	Applied Mathematics – II	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/PS-101	Pakistan Studies	2 (2+0)
Maj-ME-201	Engineering Mechanics-II: Dynamics	3 (3+0)
Maj/ME-202	Mechanics of Materials–I	3 (3+0)
Maj/ME-203	Thermodynamics-I	3 (3+0)
CC/Eng-202	Technical Report Writing and Presentation Skills	1 (1+1)
Maj/ME-204	Engineering Mechanics Lab	1 (0+1)
FC/Math-201	Mathematics-3	3 (3+0)
	Total Credits	**16**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/CET-206	Transportation Engineering	4 (2+2)
Maj/CET-207	Water Supply & Waste Water Management	4 (2+2)
Maj/CET-208	Environmental Management	3 (2+1)
Maj/CET-209	Theory of Structures	3 (2+1)
CC/Eng-102	Technical Report Writing	3 (3+0)
	Total Credits	**17**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING TECHNOLOGY

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/CET-301	Hydrology	3 (2+1)
Maj/CET-302	Reinforced Concrete Structures	3 (2+1)
Maj/CET-303	Construction and Hydraulic Machinery	3 (2+1)
Maj/CET-304	Computer Aided Building Modeling and Design	3 (1+2)
Maj/CET-305	Foundations Engineering	3 (2+1)
CC/BBA-101	Project Management	3 (3+0)
	Total Credits	**18**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/CET-306	Pre-stressed & Precast concrete	3 (2+1)
Maj/CET-307	Geology & Earthquake Engineering	3 (2+1)
Maj/CET-308	Irrigation and Hydraulic Structures	3 (2+1)
Maj/CET-309	Steel Structures	3 (2+1)
Maj/CET-310	Project	3 (3+0)
	Total Credits	**15**

SCHEME OF STUDIES - B.Sc. CIVIL ENGINEERING TECHNOLOGY

YEAR -IV — Semester -VII

Course No	Course Title	Credit Hours
Ind.T/CET-401	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	16 (0+16)
	Total Credits	**16**

YEAR -IV — Semester -VIII

Course No	Course Title	Credit Hours
Ind.T/CET-402	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	16 (0+16)
	Total Credits	**16**

Total Hours:

17+18+16+17+18+15+16+16=133 CR

B.Sc. ELECTRICAL ENGINEERING TECHNOLOGY

The B.Sc. Electrical Engineering Technology program is based on solid foundation of all electrical, computer and electronics systems. Successful completion of the program equips the students with the ability to grow as professionals and develop rational and analytical skills the program provides a broad technological core competence which enables students to contribute in various electrical and related fields. The students will be able to solve integrated problems, analyze hypothesis testing and implement modern technological systems.

MISSION STATEMENT

This program is designed to prepare the students for career as technologists in many electrical and related fields suiting to those who wish to pursue a career in telecommunication, power, networking, and other sub categories of these fields. Electrical technologists are in great demand with employers within Pakistan and abroad. The main employment areas include Electrical Power (generation, supply and distribution), Power System Electrical Machinery (installation and design), Telecommunication and broadcasting industry.

PROGRAM OVERVIEW

Electrical Circuits and Systems

Students study the principles of electrical circuits, analyzing and troubleshooting circuits using electronic instruments and tools.

Electronics

Students learn about electronic devices and circuits, including digital electronics, analog electronics, and microcontrollers.

Control Systems

Students gain knowledge of control systems and automation, understanding the principles of feedback control, programmable logic controllers (PLCs), and industrial automation.

Instrumentation and Measurements

Students study the principles of instrumentation and measurements, learning about sensors, data acquisition, and measurement techniques for various electrical parameters.

Electrical Power Systems

Students learn about electrical power generation, transmission, and distribution systems, including transformers, generators, motors, and power distribution networks.

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CAREER SCOPE

Manufacturing and Automation

Graduates can work in manufacturing companies, involved in the installation, maintenance, and troubleshooting of electrical systems, automation equipment, and control systems.

Power Generation and Distribution

Graduates can work in power generation companies, electrical utilities, or energy sectors, involved in the operation, maintenance, and testing of electrical power systems.

Electronics and Telecommunications

Graduates can work in electronics manufacturing companies, telecommunications companies, or service providers, involved in the installation, testing, and repair of electronic devices, communication systems, or telecommunication networks.

Field Service Engineering

Graduates can work as field service engineers, traveling to client sites to install, calibrate, and maintain electrical systems, equipment, or instrumentation.

Industrial Automation

Graduates can work in industries that rely on automation, such as manufacturing plants or process industries, implementing and maintaining automation systems, PLCs, or SCADA (Supervisory Control and Data Acquisition) systems.

Maintenance and Troubleshooting

Graduates can work in maintenance departments or service centers, specializing in troubleshooting electrical systems, identifying faults, and performing repairs.

Project Management and Coordination

Graduates can work in project management roles, overseeing electrical installations, coordinating with contractors, and ensuring compliance with safety and quality standards.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Electrical Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairman (IBCC) and eligibility by the concerned HEI.

SCHEME OF STUDIES
B.Sc. ELECTRICAL ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Isl-101	Islamic Studies /	2 (2+0)
CC/philo-101	Ethics (for Non-Muslim)	2 (2+0)
FC/Math-101	Applied Mathematics-I	3 (3+0)
FC/Phy-101	Applied Physics	3 (2+1)
Maj/EET-101	Linear Circuits Analysis	3 (2+1)
Maj/EET-102	Engineering Drawing	3 (1+2)
CC/CS-101	Introduction to Computer Fundamentals	3 (1+2)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-101	Communication Skills	3 (3+0)
Maj/PS-102	Pakistan Studies	2 (2+0)
Maj/EET-103	Electronics	4 (2+2)
Maj/EET-104	Basic Mechanical Technology	3 (2+1)
FC/Math-102	Applied Mathematics-II	3 (3+0)
Maj/EET-105	Electrical Machines-I	3 (2+1)
	Total Credits	**18**

SCHEME OF STUDIES
B.Sc. ELECTRICAL ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/EET-201	Power Generation Systems	2 (2+0)
Maj/EET-202	Technical Report Writing	3 (3+0)
Maj/EET-203	Electrical Instruments and Measurements	4 (2+2)
Maj/EET-204	Electrical Machines-II	4 (2+2)
Maj/EET-205	Digital Electronics	4 (2+2)
	Total Credits	**17**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/EET-206	AC Circuits Analysis	4 (2+2)
Maj/EET-207	Electro-Magnetic Fields	2 (2+0)
Maj/EET-208	Electrical Power Transmission	3 (2+1)
Maj/EET-209	Electrical Power Distribution and Utilization	3 (2+1)
Maj/EET-210	Power Electronics	4 (2+2)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. ELECTRICAL ENGINEERING TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Eet-301	Micro-Processor Theory & Interfacing	3 (2+1)
Maj/EET-302	Switch Gear & Protective Devices	3 (2+1)
Maj/EET-303	Communications Technology	4 (2+2)
Maj/EET-304	Control Technology	3 (2+1)
CC/BBA-101	Total Quality Management	2 (2+0)
Maj/EET-305	High Voltage Technology	3 (2+1)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/EET-306	Project Management	3 (3+0)
Maj/EET-307	Power System Analysis	2 (2+0)
Maj/EET-308	Data & Computer Communication	4 (2+2)
Maj/EET-309	Industrial Drives & PLC	4 (2+2)
Maj/EET-310	Project	3 (0+3)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. ELECTRICAL ENGINEERING TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Ind.T/EET-401	16 Weeks Supervised Industrial / Field Training (8x5=40Hrs / Week)	16
	Total Credits	**16**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Ind.T/EET-402	16 Weeks Supervised Industrial / Field Training (8x5=40Hrs / Week)	16
	Total Credits	**16**

Total Hours:

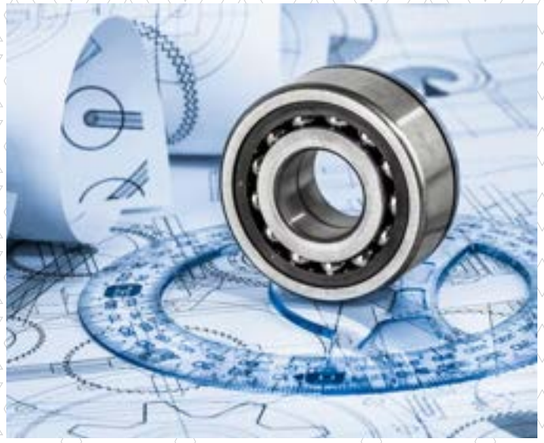
17+18+17+16+18+16+16+16=134 CR

B.Sc. MECHANICAL ENGINEERING TECHNOLOGY

Mechanical Technologists are typically involved with the generation, distribution and use of energy; the processing of materials; the control and automation of manufacturing systems; the design and development of machines; and the solutions to environmental problems. Research testing manufacturing, operations, marketing and administration are some other key activities associated with practicing Mechanical Technology. They are characterized by personal creativity.

MISSION STATEMENT

Students are trained as technologists to face various challenges of the industry. They are trained in basic techniques, skills and the use of modern tools, as a result of this training, they are able to utilize their knowledge and skills in modern surveying for land measurements and execution of construction projects. Our graduates are in great demand in local as well as abroad construction industries.



PROGRAM OVERVIEW

Mechanics

Students study the principles of mechanics, including statics, dynamics, and mechanics of materials, analyzing the behavior of structures and materials under different loads.

Manufacturing Processes

Students learn about various manufacturing techniques, such as machining, welding, casting, and forming processes, understanding the production and fabrication of mechanical components.

Materials Science

Students gain knowledge of materials properties, selection, and testing, studying the behavior of metals, polymers, ceramics, and composites.

Machine Design

Students learn the principles of machine design, including kinematics, dynamics, and mechanical components, applying engineering principles to design and analyze machines.

Maintenance and Reliability

Students study maintenance strategies, reliability analysis, and condition monitoring techniques, focusing on the maintenance and upkeep of mechanical systems.

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CAREER SCOPE

Manufacturing and Production

Graduates can work in manufacturing companies, involved in production planning, quality control, process optimization, or machine maintenance.

Maintenance and Repair

Graduates can work in maintenance departments or service centers, specializing in the maintenance, troubleshooting, and repair of mechanical equipment and systems.

Automotive and Aerospace Industries

Graduates can work in automotive or aerospace industries, involved in the maintenance, repair, or overhaul of vehicles, aircraft, or their components.

Design and Drafting

Graduates can work in engineering firms or product design companies, assisting in the design and drafting of mechanical components or systems using computer-aided design (CAD) software.

Project Coordination

Graduates can work as project coordinators or project managers, overseeing mechanical installations, coordinating with contractors, and ensuring project timelines and quality standards are met.

Technical Sales and Support

Graduates can work in technical sales roles, providing product expertise, customer support, and after-sales service for mechanical equipment or machinery.

Quality Assurance

Graduates can work in quality assurance departments, performing inspections, audits, and quality control activities to ensure compliance with standards and specifications.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Mechanical Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairmen (IBCC) and eligibility by the concerned HEI.

SCHEME OF STUDIES
B.Sc. MECHANICAL ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Isl-101	Islamic Studies / Professional Ethics	2 (2+0)
FC/Phy-101	Applied Physics	3 (2+1)
FC/Math-101	Applied Mathematics	3 (3+0)
FC/Chem-101	Applied Chemistry	3 (2+1)
CC/CS-101	Introduction to Computer Fundamentals	3 (1+2)
Maj/Met-101	Workshop Technology	3 (1+2)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
FC/Math-102	Applied Mathematic – II	3 (3+0)
CC/PS-101	Pakistan Studies	2 (2+0)
Maj/Met-102	Technical Drawing and CAD-1	4 (2+2)
Maj/Met-103	Applied Thermo- dynamics- 1	4 (2+2)
Maj/Met-104	Basic Electrical & Electronics	4 (2+2)
	Total Credits	**17**

SCHEME OF STUDIES
B.Sc. MECHANICAL ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3 (3+0)
Maj/Met-201	CAD-II	3 (0+3)
Maj/Met-202	Industrial Material	3 (2+1)
Maj/Met-203	Mechanics of Material	3 (2+1)
Maj/Met-204	Applied Thermo-dynamics-II	3 (2+1)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/Met-205	Machine Design	3 (3+0)
Maj/Met-206	Fluid Mechanics	4 (2+2)
Maj/Met-207	Engineering Statics	3 (2+1)
FC/Math-103	Probability and Statistics	3 (3+0)
CC/TQM-101	Total Quality Management	2 (2+0)
CC/Eng-102	Technical Report Writing	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES
B.Sc. MECHANICAL ENGINEERING TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Met-301	Heat Transfer	3 (2+1)
Maj/Met-302	IC Engine	4 (2+2)
Maj/Met-303	Dynamics	3 (2+1)
Maj/Met-304	Manufacturing Processes	3 (2+1)
CC/Mgmt-101	Project Management	3 (3+0)
CC/Eco-102	Economics	2 (2+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Met-305	Instrumentation and Control	3 (2+1)
Maj/Met-306	Mechanical Vibration	3 (2+1)
Maj/Met-307	Refrigeration & Air Conditioning	3 (2+1)
Maj/Met-308	Material Handling and Safety	4 (3+1)
MET-101	Project	3 (0+3)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. MECHANICAL ENGINEERING TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
MET-201-1	16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs / Week)	16
	Total Credits	**16**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
MET-201-2	16 Weeks Supervised Industrial / Field Training (8x5=40 Hours / Week)	16
	Total Credits	**16**

Total Hours:

17+17+16+18+18+16+16+16=134 CR

B.Sc. BIOMEDICAL ENGINEERING TECHNOLOGY

Department of Biomedical engineering technology have following educational objectives:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

3. An ability to communicate effectively with a range of audiences.

4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

MISSION STATEMENT

ICBS strive to produce Bioengineering students that become leaders in the fields of biomaterials, biomechanics and prosthetics, tissue engineering, molecular modeling, imaging, bioinformatics, nanomedicine, synthetic biology, and drug delivery by:

- Providing a rigorous curriculum where multidisciplinary engineering fields are combined to provide undergraduates with a breadth of understanding.

PROGRAM OVERVIEW

Biomedical Instrumentation

Students study the principles of biomedical instrumentation, learning about medical sensors, measurement techniques, and data acquisition systems used in healthcare.

Healthcare Technology Management

Students learn about the management of healthcare technology, including inventory management, equipment procurement, and asset tracking in healthcare facilities.

Medical Imaging

Students study the principles of medical imaging techniques, such as X-ray, ultrasound, CT (Computed Tomography), and MRI (Magnetic Resonance Imaging), understanding their applications and image interpretation.

APPROVED BY National Technology Council

CAREER SCOPE

Healthcare Facilities

Graduates can work in hospitals, clinics, or healthcare facilities, involved in the installation, maintenance, and calibration of medical equipment and devices.

Medical Equipment Manufacturers

Graduates can work in companies that manufacture medical equipment, involved in product development, quality control, testing, and technical support.

Biomedical Instrumentation

Graduates can work in biomedical instrumentation companies, involved in the design, development, and calibration of medical sensors, instrumentation systems, or patient monitoring devices.

Healthcare Technology Management

Graduates can work in healthcare organizations or medical equipment management companies, managing the procurement, maintenance, and inventory control of medical equipment.

Medical Imaging Centers

Graduates can work in medical imaging centers, assisting in the operation and maintenance of imaging equipment, and providing technical support during imaging procedures.

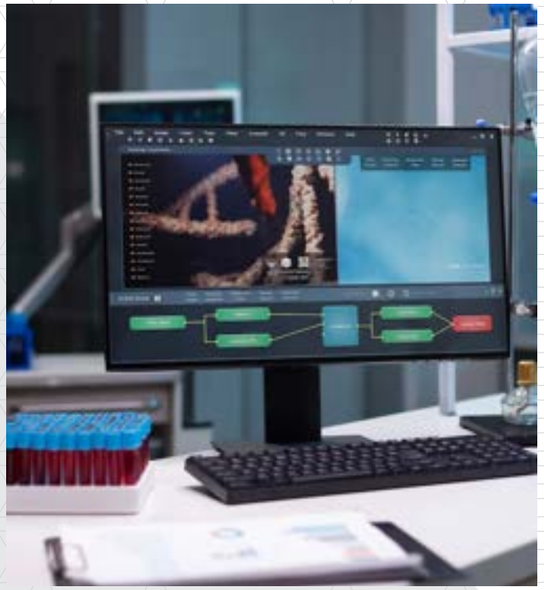
Research and Development

Graduates can work in research institutions or biomedical engineering labs, contributing to the development of innovative medical devices, imaging technologies, or healthcare solutions.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Mechanical Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairmen (IBCC) and eligibility by the concerned HEI.



SCHEME OF STUDIES
B.Sc. BIOMEDICAL ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
FC/Phy-101	Applied Physics	3 (2+1)
FC/CS-105	Computing Fundamentals	3 (2+1)
FC/Chem-101	Applied Chemistry	3 (2+1)
FC/Bio-101	Basic Biology/	3 (2+1)
FC/Math-107	Basic Mathematics	3(3+0)
CC/Isl-101	Islamic Education/	2(2+0)
CC/Phil-101	Ethics	
CC/Eng-201	Communication Skills	3 (3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/BMT-101	Biomedical Circuits Technology	4 (2+2)
Maj/BMT-102	Human Physiology & Anatomy	4 (2+2)
Maj/BMT-103	Bio-Electronics Technology	4 (2+2)
FC/Math-101	Applied Mathematics 1	3 (3+0)
CC/PS-101	Pak Studies	2 (3+0)
	Total Credits	**17**

SCHEME OF STUDIES
B.Sc. BIOMEDICAL ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
FC/Math-102	Applied Mathematics 2	3 (3+0)
Maj/BMT-201	Digital Systems Technology	4 (2+2)
Maj/Chem-201	Biochemistry	4 (2+2)
Maj/Stat-201	Biostatistics	3 (3+0)
Maj/BMT-202	Biomaterials	4 (2+2)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/BMT-203	Biomechanics	4 (2+2)
Maj/BMT-204	Introduction to Cell Biology	4 (2+2)
Maj/BMT-205	Electromechanical Technology	4 (2+2)
Maj/BMT-206	Microcontrollers in Biomedical Applications	4 (2+2)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. BIOMEDICAL ENGINEERING TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/BMT-301	Prosthetics & Implants Technology	4 (2+2)
Maj/BMT-302	Bioinstrumentation-I	4 (2+2)
Maj/BMT-303	Introduction to Signals & Systems	3 (3+0)
Maj/BMT-304	Workshop Practice	2 (0+2)
Maj/BMT-305	Entrepreneurship and Business Management	3 (3+0)
Maj/BMT-306	Technical Drawing	2 (0+2)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/BMT-307	Bioinstrumentation-II	4 (2+2)
Maj/BMT-308	Health Care Management	3 (3+0)
Maj/BMT-309	Biomedical Imaging Techniques	4 (2+2)
Maj/BMT-310	Industrial Biotechnology	4 (2+2)
Maj/BMT-311	Project-Based Learning Module	3 (0+3)
	Total Credits	**18**

SCHEME OF STUDIES
B.Sc. BIOMEDICAL ENGINEERING TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Ind.T/BMT-401	Supervised Industrial Training 16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs/Week)	16 (0+16)
	Total Credits	**16**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Ind.T/BMT/401	Supervised Industrial Training 16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs/Week)	16 (0+16)
	Total Credits	**16**

Total Hours:

17+17+18+16+18+18+16+16=136 CR

B.Sc. ARCHITECTURAL ENGINEERING TECHNOLOGY

To provide quality education and produce competent Architecture Engineering technologists' conscious of professional, ethical, and social responsibilities for productive careers in industry in national and international level. The Graduates will have broad background in one or more areas of design: architectural, construction, site and structural in addition to history, theory and technology. Graduates will have more chance for professional positions in architectural and building construction industry. The Graduates equipped with creative problem solvers in industry and will adapt state of the art technologies and processes in industry.

MISSION STATEMENT

This program produces competent architectural and building construction technicians. The technician must be capable of working and communicating directly with architects, engineers, contractors, and employees in his/her specialized work; of satisfactorily performing work for their employer; and of growing into a position of increasing responsibility. In addition, the graduate technician should have a beginning basis for becoming an active, well-informed member of society.

PROGRAM OVERVIEW

Architectural Drafting

Students learn architectural drafting techniques, including computer-aided design (CAD), building information modeling (BIM), and architectural visualization.

Building Materials

Students gain knowledge of building materials and construction methods, understanding their properties, selection, and application in architectural design.

Structural Systems

Students study the principles of structural systems and their integration into architectural design, focusing on the behavior and performance of building structures.

Building Codes and Regulations

Students learn about building codes, regulations, and sustainability standards, ensuring compliance with legal requirements and energy-efficient design principles.

Construction Management

Students gain an understanding of construction management principles, including project planning, scheduling, cost estimation, and contract management in architectural projects.

APPROVED BY

National Technology Council

CAREER SCOPE

Architectural Firms

Graduates can work in architectural firms, assisting in architectural design, drafting, 3D modeling, and visualization using CAD and BIM software.

Construction Industry

Graduates can work in construction companies, involved in project coordination, construction management, site supervision, or quality control, with a focus on architectural aspects.

Building Information Modeling (BIM)

Graduates can work in BIM consulting firms or construction companies, utilizing BIM software to coordinate and integrate architectural design with other disciplines in construction projects.

Building Inspection and Compliance

Graduates can work in regulatory authorities or building inspection departments, ensuring compliance with architectural design standards, building codes, and regulations.

Sustainable Design and Green Buildings

Graduates can work in firms specializing in sustainable design, green buildings, or energy-efficient architecture, incorporating sustainable practices into architectural design.

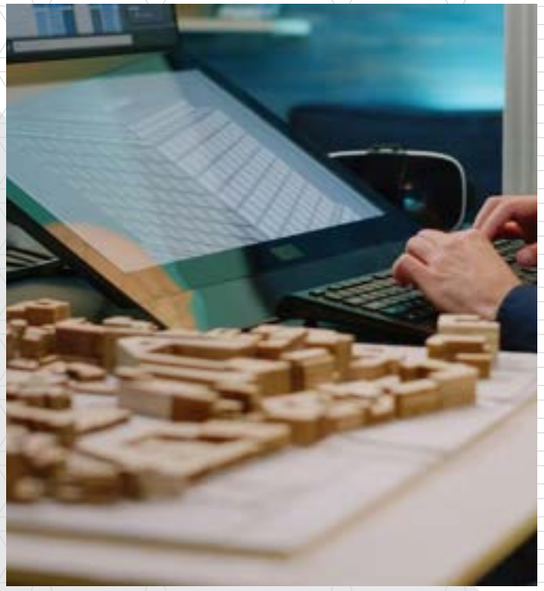
Facility Management

Graduates can work in facility management companies, involved in the management and maintenance of buildings, ensuring their functionality, safety, and adherence to architectural design standards.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Mechanical Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairmen (IBCC) and eligibility by the concerned HEI.



SCHEME OF STUDIES
B.Sc. ARCHITECTURAL ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/AET-101	Introduction To Architectural and Town Planning	3 (3+0)
CC/CS-105	Introduction To Computer Fundamentals	3 (2+1)
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (for Non-Muslim)	2 (2+0)
FC/Math-101	Applied Mathematics-1	3 (3+0)
Maj/AET-102	Engineering Mechanics	3 (2+1)
Maj/AET-103	Architectural & Engineering Drawing	3 (1+2)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-202	Technical Report Writing & Presentation Skills	3 (3+0)
Maj/AET-104	Surveying	3 (2+1)
Maj/AET-105	Workshop on Model Making	1 (0+1)
Maj/AET-106	History of Building Technology	3 (3+0)
Maj/AET-107	Building Materials & Construction	4 (3+1)
Maj/AET-108	Theory of Structure-I	4 (3+1)
	Total Credits	**18**

SCHEME OF STUDIES
B.Sc. ARCHITECTURAL ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/PS-102	Pakistan Studies	2 (2+0)
FC/Math-102	Applied Mathematics -II	3 (3+0)
Maj/AET-201	Theory of Structure-II	4 (3+1)
Maj/AET-202	Architectural Design-I	4 (2+2)
CC/Eng-201	Communication Skills	3 (3+0)
	Total Credits	**16**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/AET-203	Computer Aided Design	3 (1+2)
Maj/AET-204	Hydraulics for Architecture Technology	3 (2+1)
Maj/AET-205	Environmental Control Systems	4 (3+1)
Maj/AET-206	Mechanics of Solids	4 (3+1)
Maj/AET-207	Architectural Design-II	3 (1+2)
	Total Credits	**17**

SCHEME OF STUDIES
B.Sc. ARCHITECTURAL ENGINEERING TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/AET-301	Water Supply & Wastewater Management	3 (2+1)
Maj/AET-302	Electrical Systems for Buildings	3 (2+1)
Maj/AET-303	Reinforced Concrete Structures	3 (2+1)
Maj/AET-304	Architectural Design-III	3 (1+2)
Maj/AET-305	Introduction to Interior Designing	3 (1+2)
Maj/AET-306	Project-I	3 (0+3)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/AET-307	Mechanical System for Buildings	3 (2+1)
Maj/AET-308	Lighting and Illumination	2 (2+0)
Maj/AET-309	Introduction to Earthquake Engineering	2 (2+0)
Maj/AET-310	Geotechnical & Foundations Engineering	3 (2+1)
Maj/AET-311	Project Management	2 (2+0)
Maj/AET-306	Project-II	3 (0+3)
	Total Credits	**15**

SCHEME OF STUDIES
B.Sc. ARCHITECTURAL ENGINEERING TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Ind.T/AET-401	Supervised Industrial Training/Field Training 16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs/Week)	16 (0+16)
	Total Credits	**16**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Ind.T/AET-402	Supervised Industrial Training/Field Training 16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs/Week)	16 (0+16)
	Total Credits	**16**

Total Hours:

17+18+16+17+18+15+16+16=133 CR

B.Sc. SOFTWARE ENGINEERING TECHNOLOGY

The department of software engineering technology are tried to equipped their graduates, to understand and be able to apply mathematics, physical science, computer science and related disciplines and be able to apply the principles of software engineering practice and process, subject to realistic constraints. They are able to modulate, analyze, and track system requirements, both functional and non-functional and to design, implement, deploy and maintain the software systems.

MISSION STATEMENT

Our graduates have ability to verify and validate the software systems and understand the professional responsibility and application of ethical principles.

ADMISSION CRITERIA

The minimum criteria for admission as per NTC for Mechanical Engineering Technology Program.

- 50% marks in F.Sc. (Pre-Engineering) or Equivalent Qualification A-level / ICS / DAE / B.Sc. (Excluding sports and Hafiz-e-Quran)
- Qualifying the Entry Test
- The Induction Weightage is 70% weightage to F. Sc. Or Equivalent / ICS / DAE / B.Sc. 30% to Entry Test. The student should have at least 50% overall adjusted admission marks computed from above ratios. Equivalence of the Examination passed by the candidate shall be determined by Inter Board Committee of Chairmen (IBCC) and eligibility by the concerned HEI.

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SCHEME OF STUDIES
B.Sc. SOFTWARE ENGINEERING TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (for Non-Muslim)	2 (2+0)
FC/Math-101	Applied Mathematics-I	3 (3+0)
FC/Phy-101	Applied Physics	3 (2+1)
Maj/SE-101	Linear Circuit Analysis	3 (2+1)
CC/Eng-103	Functional English	2 (2+0)
Maj/SE-102	Information and Communication Technology	3 (2+1)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	2 (2+0)
CC/PS-101	Pakistan Studies	2 (2+0)
Maj/SE-103	Programming Fundamentals	3(2+1)
Maj/SE-104	Electronics	3 (2+1)
FC/Math-102	Applied Mathematics -II	3 (3+0)
Maj/SE-105	Discrete Structures Technology	3 (3+0)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. SOFTWARE ENGINEERING TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-202	Technical Report Writing	2 (2+0)
Maj/SE-201	Object Oriented Programming	3 (2+1)
Maj/SE-202	Database Systems	4 (2+2)
Maj/SE-203	Digital Logic Design	3 (2+1)
Maj/SE-204	Information Security	2 (2+0)
Maj/SE-205	Total Quality Management	2 (2+0)
	Total Credits	**16**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/SE-206	Computer System Architecture	2 (2+0)
Maj/SE-207	Data Structures and Algorithms	3 (2+1)
Maj/SE-208	Digital System Design	3 (2+1)
Maj/SE-209	Operating Systems	4 (2+2)
Maj/SE-210	Software Requirement and Specification	2 (2+0)
Maj/SE-211	Entrepreneurship	2 (2+0)
	Total Credits	**16**

SCHEME OF STUDIES
B.Sc. SOFTWARE ENGINEERING TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/SE-301	Microprocessor & Microcontrollers	4 (2+2)
Maj/SE-302	Mobile Application Development	3 (2+1)
Maj/SE-303	Communication and Networks Technology	3 (2+1)
Maj/SE-304	Signal and Systems	3 (2+1)
Min/Arb-101	Arabic	2 (2+0)
Maj/SE-306	Software Project Management	2 (2+0)
	Total Credits	**17**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/SE-307	Software Testing	2 (2+0)
Maj/SE-308	Artificial Intelligence Technology	3 (2+1)
Maj/SE-309	Cyber Security	3 (2+1)
Maj/SE-310	Digital Image Processing Techniques	3 (2+1)
Maj/SE-311	*Project	6
	Total Credits	**17**

***The project will be offer in Semester V.**

SCHEME OF STUDIES
B.Sc. SOFTWARE ENGINEERING TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Ind.T/SE-401	Supervised Industrial Training/ Field Training	16
	Total Credits	**16**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Ind.T/SE-402	Supervised Industrial Training/ Field Training	16
	Total Credits	**16**

Total Hours:

16+16+16+16+17+17+16+16=130 CR

FACULTY OF COMPUTER SCIENCES

INTRODUCTION

The faculty is committed to offer high-tech courses with research-based teaching. We believe that our well-structured carefully planned courses enable students to improve their skills and place them at competitive positions in the market. Moreover, we believe that the students acquire true knowledge with intelligence with gives them the leadership skills to take-on the technical challenges at national and international level. Our curriculum focuses on computational thinking, examining the strengths and limitations of computers in terms of what can be computed, developing programming knowledge and skills and enhancing the understanding of computer-based problem-solving techniques. We make sure that our students have acquired the necessary skills and knowledge to produce computer-based optimal solutions to the problems from the areas such as Computer Sciences, Artificial Intelligence, Data Science, Cyber Security, networking transportation etc.

- BS Computer Science
- BS Information Technology
- BS Artificial Intelligence
- BS Data Sciences

MISSION STATEMENT

The mission of the Computer Science program is to prepare students to be research and development leaders in computer science and computer technology. To this end, the program is a catalyst and a resource for shaping the future of the broad discipline of computer science.

APPROVED BY

National Computing Education Accreditation Council

BS COMPUTER SCIENCE

Computer Science is a discipline concerned with analysis, design, implementation and maintenance of the computer software systems used in almost every profession. Due to this fact, computer scientists must be well-versed in the technologies needed for acquisition, representation, storage, transmission, transformation and used for information in digital form, further, they must also be capable of working closely with the members of other professionals associated with computing. BSCS program provides broad knowledge of theory and applications of software in different fields and allows students to choose an area of specialization in the domain of their own interest. Due to use of computer in every field of life there is a huge job market for computer professional.

MISSION STATEMENT

The typical job for the BS Computer Science graduates include database designing and administration, web development, quality assurance, game programming, intelligent systems, system analysis, computer graphics, modeling and simulation etc.

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National
Computing Education
Accreditation Council

PROGRAM OVERVIEW

Programming Fundamentals

Students learn programming languages such as C++, Java, Python, or others to understand the fundamentals of software development and problem-solving.

Data Structures and Algorithms

The curriculum covers data organization, algorithms, and their analysis. Students learn how to design efficient algorithms and use data structures for effective data management.

Software Engineering

Students gain knowledge of software development methodologies, including requirements analysis, software design, testing, and maintenance.

Database Management Systems

Students study the design, implementation, and management of databases. They learn SQL (Structured Query Language) and acquire skills in database administration and data modeling.

Operating Systems

Students gain an understanding of operating system concepts, processes, memory management, file systems, and network protocols.

Web Development

Students learn web technologies such as HTML, CSS, JavaScript, and frameworks like React or Angular to develop interactive web applications.

Artificial Intelligence and Machine Learning

Students may have the opportunity to study artificial intelligence (AI) and machine learning (ML) concepts and algorithms, including neural networks, data mining, and natural language processing.

CAREER SCOPE

Software Development

Graduates can work as software developers, software engineers, or programmers. They can be involved in designing, coding, testing, and maintaining software applications and systems.

Web Development

Graduates can pursue careers as web developers, front-end developers, or full-stack developers, creating websites, web applications, and e-commerce platforms.

Data Science

Graduates can work in data analysis, data engineering, or data science roles. They can use their programming and analytical skills to extract insights from large datasets and solve complex problems.

Artificial Intelligence and Machine Learning

Graduates can explore careers in AI and ML, working on projects related to natural language processing, computer vision, or data analysis.

Cybersecurity

Graduates can work in the field of cybersecurity, protecting computer systems and networks from threats and vulnerabilities. They can become security analysts, ethical hackers, or cybersecurity consultants.

Systems Analysis and Design

Graduates can work as systems analysts, analyzing organizational processes, identifying requirements, and designing efficient and effective technology solutions.

Database Administration

Graduates can pursue careers in database administration, managing and optimizing databases for organizations.

IT Project Management

Graduates can work in project management roles, overseeing the planning, execution, and delivery of IT projects within organizations.

Research and Development

Graduates can pursue research positions in academia or industry, contributing to advancements in computer science, AI, or other related fields.

ADMISSION CRITERIA

The minimum requirements for admission in a Bachelor degree program in Computer Science is at least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics certified by IBCC.

SCHEME OF STUDIES - BS COMPUTER SCIENCE

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	English-I I (Functional English)	3(3+0)
CC/Isl-101 CC/philo-101	Islamic Education and Pakistan Studies Ethics (For Non-Muslims)	2 (2+0)
CC/EL-101	Basic Electronics	3(2+1)
CC/CS-101	Programming Fundamentals	3(2+1)
Maj/DS-101	Discrete Structures	3(3+0)
Maj/CS-102	Introduction to Information and Communication Technologies	3(2+1)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Technical and Report Writing	3(3+0)
CC/Acc-101	Financial Accounting	3(3+0)
FC/Math-105	Calculus and Analytical Geometry	3(3+0)
FC/Stat-101	Probability and Statistics	3(3+0)
Maj/CS-103	Object Oriented Programming	3(2+1)
Maj/CS-104	Digital Logic Design	3(2+1)
	Total Credits	**18**

SCHEME OF STUDIES - BS COMPUTER SCIENCE

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
Min/Mgt-301	Financial Management	3(3+0)
FC/Math-201	Multivariable Calculus	3(3+0)
Maj/CS-201	Data Structures and Algorithms	3(2+1)
Maj/CS-202	Computer Organization and Assembly Language	3(2+1)
Maj/CS-203	Database Systems	3(2+1)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/HRM-101	Human Resource Management	3(3+0)
FC/Math-202	Linear Algebra	3(3+0)
Maj/CS-204	Design and Analysis of Algorithms	3(3+0)
Maj/CS-205	Computer Architecture	3(3+0)
Maj/CS-206	Web Engineering	3(2+1)
Maj/CS-207	Distributed Database Systems	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS COMPUTER SCIENCE

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Min/Psy-101	Psychology	3(3+0)
FC/Math-301	Differential Equations	3(3+0)
CC/CS/102	Visual Programming	3(2+1)
Maj/CS-301	Operating Systems	3(2+1)
Maj/CS-302	Computer Communication and Networks	3(2+1)
Maj/CS-303	Software Engineering	3(3+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Min/IR-101	International Relations	3(3+0)
Maj/CS-304	Theory of Automata and Formal Languages	3(3+0)
Maj/CS-305	Telecommunication Systems	3(2+1)
Maj/CS-306	Computer Graphics	3(2+1)
Maj/CS-307	Software Project Management	3(3+0)
FC/Math-302	Numerical Computing	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS COMPUTER SCIENCE

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/CS-401	Foreign Languages	4(4+0)
Maj/CS-402	Compiler Construction	4(3+1)
Maj/CS-403	Digital Image Processing	3(3+0)
Maj/CS-404	Professional Practices	4(4+0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/CS-404	Professional Practices	3(3+0)
Maj/CS-405	Artificial Intelligence	3(2+1)
Maj/CS-406	Human Computer Interaction	3(2+1)
Maj/CS-407	Final Project	6
	Total Credits	**15**

The project will be offer in the 7th Semester.

Total Hours:

17+18+18+18+18+18+15+15=137 CR

BS INFORMATION TECHNOLOGY

Information Technology (IT) is an engineering discipline concerned with the efficient and economic development of country. Information Technology will allow the students to streamline work processes and improve communication within the company, thereby helping your employees save time and making your operations much more efficient. The graduates of Information technology are equipped with to collaborate in diverse team environments to make positive contributions in the IT field and Work effectively in the IT field to make a positive contribution to society.

MISSION STATEMENT

The goal of the Bachelor of Science in Information Technology (BSIT) program is to prepare students for successful careers as IT professionals and to make a positive contribution to society. This will enhance the lives of our graduates and will also serve the needs of our constituents who employ our interns and graduates. At the same time, we hope to give the students an enjoyable learning experience, enhanced by innovative pedagogical approaches and hands-on experiential activities in computing that will prepare graduates to make a global impact through their careers in IT.

APPROVED BY

National
Computing Education
Accreditation Council

PROGRAM OVERVIEW

Computer Systems and Networks

Students learn about computer hardware, operating systems, and computer networks. They gain an understanding of network protocols, network administration, and security.

Database Management

Students study database design, implementation, and management. They learn about relational databases, SQL, and database administration.

Programming and Software Development

Students learn programming languages such as Java, C#, or Python. They gain knowledge of software development methodologies and techniques.

Web Technologies

Students acquire skills in web development, including HTML, CSS, JavaScript, and web frameworks. They learn to design and develop interactive and user-friendly websites and web applications.

IT Project Management

Students learn project management principles and techniques specific to IT projects. They gain knowledge of project planning, scheduling, and resource management.

Cybersecurity

Students study the fundamentals of cybersecurity, including threat analysis, network security, and information security management.

IT Governance and Management

Students gain an understanding of IT governance frameworks, IT service management, and IT infrastructure management.

CAREER SCOPE

IT Support and Administration

Graduates can work as IT support specialists, network administrators, or system administrators, managing and maintaining computer systems and networks within organizations.

Software Development

Graduates can pursue careers as software developers, developing applications, and software solutions to meet the specific needs of organizations.

Web Development

Graduates can work as web developers, designing and developing websites and web applications for businesses or clients.

Database Administration

Graduates can work as database administrators, responsible for the design, implementation, and management of databases within organizations.

IT Project Management

Graduates can work as IT project managers, leading and managing IT projects from initiation to completion, ensuring project goals are met within budget and time constraints.

IT Consultancy

Graduates can work as IT consultants, providing advice and solutions to organizations on IT infrastructure, systems, and strategies.

Cybersecurity

Graduates can work in cybersecurity roles, protecting computer systems and networks from threats and vulnerabilities. They can become security analysts, cybersecurity consultants, or ethical hackers.

IT Governance and Compliance

Graduates can work in roles related to IT governance, risk management, and compliance, ensuring organizations adhere to IT policies and regulations.

IT Sales and Marketing

Graduates can pursue careers in IT sales and marketing, promoting and selling IT products and services to businesses or clients.

ADMISSION CRITERIA

The minimum requirements for admission in a Bachelor degree program in Information Technology , is at least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics certified by IBCC.

SCHEME OF STUDIES - BS INFORMATION TECHNOLOGY

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/IT-101	Programming Fundamentals	4 (4+0)
CC/CS-101	Basic Electronics	3 (3+0)
FC/Math-105	Calculus & Analytical Geometry	3 (3+0)
Maj/SE-102	Fundamentals of ICT	3 (3+0)
CC/Eng-101	Functional English	3 (3+0)
CC/ISl/101 CC/Phil-101	Islamic Studies Ethics (Non -Muslim)	2(2+0)
	Total Credits	**18**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/IT-103	Object Oriented Programming	3 (3+0)
Maj/IT-104	Digital Logic Design	3 (3+0)
Maj/IT-105	Discrete Structure	3 (3+0)
Min/Psy-101	Principal of Psychology	3 (3+0)
CC/Eng-102	Communication Skills	3 (3+0)
FC/Math-103	Probability & Statistics	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS INFORMATION TECHNOLOGY

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/IT-201	Data Structure and Analysis of Algorithms	4 (4+0)
Maj/IT-202	Computer Communication Network	3 (3+0)
Maj/IT-203	Information Technology	3 (3+0)
CC/Eng-202	Technical Report Writing	3 (3+0)
FC/Math-103	Linear Algebra	3 (3+0)
	Total Credits	**16**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/IT-204	Organizational Behavior	3 (3+0)
Maj/IT-205	Internal Architecture & Protocol	3 (3+0)
Maj/IT-206	Software Engineering	3 (3+0)
Maj/IT-207	Database System	4 (4+0)
Maj/IT-208	Multimedia System & Design	3 (3+0)
CC/PS-101	Pakistan Studies	2 (2+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS INFORMATION TECHNOLOGY

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
*EC/IT	To be chosen from Annexure-A	3 (3+0)
Maj/IT-301	Operating System	3 (3+0)
Maj/IT-302	Object Oriented Analysis & Design	3 (3+0)
Maj/IT-303	Database Administration & Management	3 (3+0)
Maj/IT-304	Web System & Technologies	3 (3+0)
Maj/IT-305	Technology Management	3 (3+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/IT-306	Human Computer Interaction	3 (3+0)
Maj/IT-307	System & Network Administration	3 (3+0)
EC/IT	IT Elective-II (To be chosen from Annexure-A)	3 (3+0)
EC/IT	IT Elective-III (To be chosen from Annexure-A)	3 (3+0)
Maj/IT-308	System Integration & Architecture	3 (3+0)
Maj/IT-309	IT Project Management	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS INFORMATION TECHNOLOGY

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/IT-401	Final Year Project-I	3 (0+3)
Maj/IT-402	Software Project Management	3 (3+0)
Maj/IT-403	Professional Practice	3 (3+0)
EC/SE	Software Engineering Elective-III	3 (3+0)
EC/SE	To be chosen from Annexure-A	3 (3+0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/IT-404	Final Year Project-II	3(0+0)
EC/SE	To be chosen from Annexure-A	3 (3+0)
EC/SE	To be chosen from Annexure-A	3 (3+0)
EC/SE	To be chosen from Annexure-A	3(3+0)
	Total Credits	**12**

Total Hours:

18+18+16+18+18+18+15+12=133 CR

BS ARTIFICIAL INTELLIGENCE

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.

MISSION STATEMENT

The Artificial Intelligence (AI) program mission is to focuses on efforts that will benefit Pakistan in addressing societal needs in areas such as healthcare, education, agriculture, smart cities, and infrastructure, including smart mobility and transportation.

APPROVED BY

National
Computing Education
Accreditation Council

PROGRAM OVERVIEW

Machine Learning

Students study machine learning algorithms and techniques, including supervised learning, unsupervised learning, and reinforcement learning. They learn to build and train AI models.

Natural Language Processing

Students gain knowledge of natural language processing techniques, enabling computers to understand, interpret, and generate human language.

Computer Vision

Students study computer vision algorithms and techniques, allowing computers to analyze and understand visual information from images or videos.

Robotics

Students learn about robotic systems, including robot design, kinematics, sensors, and control algorithms. They gain skills in developing AI-powered robotic solutions.

AI Ethics and Governance

Students explore ethical considerations and societal impacts of AI. They learn about the responsible use of AI and the legal and ethical frameworks governing AI applications.

AI Programming

Students gain proficiency in programming languages commonly used in AI, such as Python or R. They learn to implement AI algorithms and models.

CAREER SCOPE

AI Engineer

Graduates can work as AI engineers, developing AI models and systems for specific applications, such as natural language processing, computer vision, or robotics.

Machine Learning Engineer

Graduates can specialize in machine learning and work on developing and implementing machine learning algorithms and models for predictive analysis and automation.

Robotics Engineer

Graduates can pursue careers as robotics engineers, designing and developing AI-powered robotic systems for various industries, including manufacturing, healthcare, or automation.

Natural Language Processing Specialist

Graduates can work in roles focused on natural language processing, developing AI systems that understand, process, and generate human language.

AI Consultant

Graduates can work as AI consultants, providing expertise and advice on AI technologies, strategies, and implementation to organizations.

Research and Development

Graduates can work in research institutions or industrial research labs, contributing to advancements in AI, machine learning, or robotics.

Data Scientist

Graduates can apply their AI skills in data science roles, analyzing and extracting insights from large datasets using AI and machine learning techniques.

AI Ethics and Governance Specialist

Graduates can specialize in AI ethics and governance, working on responsible AI practices, policy-making, and legal frameworks related to AI applications.

Further Education and Research

Graduates can pursue advanced degrees, such as Master's or PhD, in AI or related fields, and engage in research or academic positions focused on AI advancements and innovation.

ADMISSION CRITERIA

Higher Secondary School Certificate or equivalent (2nd division with at least 50% marks) in pre-engineering/pre-medical/Intermediate in computer sciences/relevant subjects.

SCHEME OF STUDIES - BS ARTIFICIAL INTELLIGENCE

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/AI-101	Introduction to ICT	3 (2+1)
Maj/AI-102	Programming Fundamentals	4 (3+1)
Maj/AI-103	Discrete Structures	3 (3+0)
FC/Math-101	Calculus & Analytic Geometry	3 (3+0)
CC/Eng-101	English Composition & Comprehension	3 (3+0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/A-I-104	Object Oriented Programming	4 (3+1)
Maj/AI-105	Database Systems	4 (3+1)
FC/Math-104	Linear Algebra	3 (3+0)
FC/Stat-102	Probability & Statistics	3 (3+0)
CC/Eng-102	Communication & Presentation Skills	3 (3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ARTIFICIAL INTELLIGENCE

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/AI-201	Data Structures & Algorithms	4 (3+1)
Maj/AI-202	Information Security	3 (3+0)
Maj/AI-203	Artificial Intelligence	4 (3+1)
Maj/IT-204	Digital Logic Design	4 (3+1)
FC/Math-103	Differential Equations	3 (3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/AI-205	Computer Networks	4 (3+1)
Maj/AI-206	Computer Org. & Assembly Language	4 (3+1)
Maj/AI-207	Analysis of Algorithms	3 (3+0)
Maj/AI-208	Programming for Artificial Intelligence	3 (2+1)
EC-AI	AI Elective-1	3 (3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ARTIFICIAL INTELLIGENCE

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/AI-301	Operating System	4 (3-1)
Maj/AI-302	Artificial Neural Networks	3 (2-1)
Maj/AI-303	Machine Learning	3 (2-1)
Maj/AI-304	Knowledge Representation & Reasoning	3 (3-0)
EC-AI-	AI Elective-2	3 (3-0)
EC-AI-	University Elective-1	3 (3-0)
	Total Credits	**19**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/AI-305	Parallel & Distributed Computing	3 (2-1)
Maj/AI-306	Computing Vision	3 (2-1)
Maj/AI-307	Natural Language Processing	3 (3-0)
EC-AI	AI Elective-3	3 (2-1)
EC-AI	AI Elective-4	3 (3-0)
EC-AI	University Elective-2	3 (3-0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ARTIFICIAL INTELLIGENCE

YEAR -IV — Semester -VII

Course No	Course Title	Credit Hours
AI-101-1	Final Year Project-I	3 (0-3)
Maj/AI-401	Software Engineering	3 (3-0)
EC-AI	To be chosen from Annexure-A	3 (3-0)
CC/Eng.103	Technical & Business Writing	3 (3-0)
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (Non-Muslim)	2 (2-0)
	Total Credits	**15**

YEAR -IV — Semester -VIII

Course No	Course Title	Credit Hours
AI-101-2	Final Year Project–II	6 (0-6)
EC-AI-	Elective-4 (To be chosen from Annexure -A)	4 (4-0)
Maj/AI-402	Professional Practices	3 (3-0)
CC/PS-101	Pakistan Studies	2 (2-0)
	Total Credits	**15**

Total Hours:
16+17+18+17+19+18+15+15=135 CR

BS DATA SCIENCE

BS (Data Science) has a dual emphasis on basic principles of statistics and computer science, with foundational training in statistical and mathematical aspects of data analysis. This program develops foundation on broad computer science principles, including algorithms, data structures, data management and machine learning. This program will prepare graduates for a career in data analysis, combining foundational statistical concepts with computational principles from computer science.

MISSION STATEMENT

The mission of the Data Science (DS) Programme is to integrate the research into practical, relevant solutions to address business and societal challenges. Through DS educational programs, to address the analytical and data-centric needs of a modern workforce. It serves the broader community in the translation of data into information to support and improve decision making.

APPROVED BY

National Computing Education Accreditation Council

PROGRAM OVERVIEW

Data Analysis

Students learn techniques for data collection, data cleaning, exploratory data analysis, and data visualization. They gain proficiency in using statistical software and programming languages for data analysis.

Statistical Modeling

Students study statistical concepts and techniques, including regression analysis, hypothesis testing, and probability. They learn how to apply statistical models to analyze and interpret data.

Machine Learning

Students gain knowledge of machine learning algorithms and techniques, including supervised learning, unsupervised learning, and reinforcement learning. They learn to build predictive models and perform data-driven predictions.

Big Data Technologies

Students acquire skills in working with big data technologies and frameworks such as Hadoop, Spark, or Apache Kafka. They learn about data storage, processing, and distributed computing.

Data Visualization

Students learn to effectively present and communicate data insights using data visualization tools and techniques. They gain skills in creating interactive and visually appealing data visualizations.

Data Ethics and Privacy

Students study the ethical considerations and privacy issues related to data collection, storage, and analysis. They learn about legal and ethical frameworks governing data usage.

CAREER SCOPE

Data Scientist

Graduates can pursue careers as data scientists, applying statistical modeling and machine learning techniques to solve complex business problems and make data-driven decisions.

Data Engineer

Graduates can work as data engineers, responsible for data collection, storage, and processing. They design and maintain data systems and infrastructure.

Machine Learning Engineer

Graduates can work in roles focused on developing and implementing machine learning models and algorithms for predictive analysis and automation.

Business Intelligence Analyst

Graduates can work as business intelligence analysts, providing strategic insights to organizations by analyzing data and identifying trends and patterns.

Data Visualization Specialist

Graduates can specialize in data visualization, creating visually appealing and interactive data visualizations to communicate complex data insights effectively.

Data Consultant

Graduates can work as data consultants, providing expertise and advice on data-related strategies, technologies, and solutions to organizations.

Research and Academia

Graduates can pursue advanced degrees, such as Master's or PhD, in data science or related fields, and work in research institutions or academia as researchers or professors.

ADMISSION CRITERIA

Higher Secondary School Certificate or equivalent (2nd division with at least 50% marks) in pre-engineering/pre-medical/Intermediate in computer sciences/relevant subjects.

SCHEME OF STUDIES - BS DATA SCIENCE

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/DS-101	Introduction to ICT	3 (2-1)
Maj/DS-102	Programming Fundamentals	4 (3-1)
Maj/DS-103	Discrete Structures	3 (3-0)
FC/Math-101	Calculus & Analytic Geometry	3 (3-0)
CC/Eng-101	English Composition & Comprehension	3 (3-0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/DS-104	Object Oriented Programming	4 (3-1)
Maj/DS-105	Database Systems	4 (3-1)
Maj/DS-106	Linear Algebra	3 (3-0)
FC/Math-102	Probability & Statistics	3 (3-0)
CC/ENg-102	Communication & Presentation Skills	3 (3-0)
	Total Credits	**17**

SCHEME OF STUDIES - BS DATA SCIENCE

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/DS-201	Data Structures & Algorithms	4 (3-1)
Maj/DS-202	Information Security	3 (3-0)
Maj/DS-203	Artificial Intelligence	4 (3-1)
Maj/DS-204	Digital Logic Design	4 (3-1)
FC/Math-103	Differential Equations	3 (3-0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/DS-205	Computer Networks	4 (3-1)
Maj/DS-206	Computer Org. & Assembly Language	4 (3-1)
Maj/DS-207	Analysis of Algorithms	3 (3-0)
Maj/DS-208	Introduction to Data Science	3 (2-1)
Maj/DS-209	Advance Statistics	3 (3-0)
	Total Credits	**17**

SCHEME OF STUDIES - BS DATA SCIENCE

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/DS-301	Operating System	3 (2-1)
Maj/DS-302	Data Mining	3 (2-1)
Maj/DS-303	Data Warehousing & Business Intel.	3 (2-1)
EC/DS-	DS Electiv-1 (To be Chosen from Annexure -A)	3 (3-0)
EC/DS-	DS Elective-2 (To be Chosen from Annexure -A)	3 (2-1)
EC/DS-	Elective-1 (Humanity Course)	3 (3-0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/DS-304	Parallel & Distributed Computing	3 (2-1)
Maj/DS-305	Big Data Analytics	3 (2-1)
Maj/DS-306	Data Visualization	3 (2-1)
EC/DS-	DS Elective-3 (To be Chosen from Annexure -A)	3 (3-0)
EC/DS-	DS Elective-4(To be Chosen from Annexure -A)	3 (3-0)
EC/DS-	Elective-2 (Humanity Course)	3 (3-0)
	Total Credits	**18**

SCHEME OF STUDIES - BS DATA SCIENCE

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
DS-101-1	Final Year Project – I	3 (0-2)
Maj/DS-401	Software Engineering	3 (3-0)
EC/DS-	Elective-3 (To be Chosen from Annexure -A)	3 (3-0)
CC/DS-402	Technical & Business Writing	3 (3-0)
CC/Isl-101	Islamic Studies/ Ethics	3 (2-0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
DS-101-2	Final Year Project – II	4 (0-4)
EC/DS-	Elective-4 (To be Chosen from Annexure -A)	4 (3-0)
Maj/DS-403	Professional Practices	4 (4-0)
CC/PS-101	Pakistan Studies	3 (3-0)
	Total Credits	**15**

Total Hours:

16+17+18+17+18+18+15+15=134 CR

FACULTY OF BUSINESS ADMINISTRATION

DEPARTMENT OF BUSINESS ADMINISTRATION

Keeping in view global competition and rapidly changing technology, lifelong learning is a necessity. Successful professionals always need to continually update their skills and knowledge in order to keep pace with the latest development. To meet the requirements of the era, Faculty of Business Administration offers various degree programs for all those who desire to obtain up-to-date management and technology knowledge, skills, and insights. The faculty designs a broad range of degree programs including PhD MS/M.Phil Master, Undergraduate programs. These programs focus on contemporary management and technology issues, achieving a balance between theory and practical applications. The faculty members have extensive management and technology education experience working for and with major companies, nonprofit organizations, and government agencies. The graduates are shaped up by one of the finest business faculties in the county, and are thoroughly groomed for the role of leaders and managers in the fields of Marketing, Management, Human Resource Management etc. these graduates have been running the operations of various national / multinational firms throughout the world.

MISSION STATEMENT

The faculty strives to become a center of excellence in the world of business education and research. With our experience in offering business education, research and successful graduate placement profiles, we are confident and motivated to offer our education services to an ever-wider audience. We realize the significance of academic and industry linages, and ensure that this collaboration is continued on a sustained basis to benefit our students and society.

PROGRAMS OFFERED

1. Bachelor of Business Administration (BBA)
2. BS Aviation Management (BS AM)
3. Bachelor of Commerce (B. Com (Honors))
4. BS Accounting & Finance
5. BS Public Administration
6. Executive MBA (Weekend Programme)
7. BS Supply Chain Management

APPROVED BY

National Business Education Accreditation Council

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

The Department of Business Administration equips the students with all the tools required to cope with constantly rising business needs. Equipped with an excellent blend of knowledge and practicality, the Bachelor of Business Administration (BBA) program is capable of producing professionals that the corporate world is seeking. The core business concepts that need to be applied heavily in today's world are injected into the students, giving them the required skills to cater for diverse business needs.

MISSION STATEMENT

The BBA program prepares students to take up careers in Marketing, Finance, Entrepreneurship, Management, in leading organizations. BBA graduates also have the options to pursue high level education in variety of fields including MBA, MS/PhD, in various concentration areas.

APPROVED BY

National
Business Education
Accreditation Council

PROGRAM OVERVIEW

Core Business Courses

Students take core courses that provide a foundation in business fundamentals, including business ethics, organizational behavior, business communication, and business law.

Specialization Tracks

Many BBA programs offer specialization tracks, allowing students to focus their studies on specific areas such as marketing, finance, human resource management, entrepreneurship, or international business.

Management and Leadership

Students learn principles and techniques of management and leadership, including strategic planning, decision-making, team management, and organizational development.

Marketing and Sales

Students gain knowledge of marketing principles, consumer behavior, market research, branding, and advertising. They learn how to develop and implement effective marketing strategies.

Finance and Accounting

Students study financial management, investment analysis, financial accounting, and managerial accounting. They learn to analyze financial statements and make informed financial decisions.

Entrepreneurship

Students explore the principles of entrepreneurship, innovation, and business startup. They learn how to develop business plans and navigate the challenges of starting and managing a business.

CAREER SCOPE

Business Management

Graduates can work in management roles in organizations of all sizes, overseeing operations, strategic planning, and business development.

Marketing and Sales

Graduates can pursue careers in marketing and sales, working in roles such as marketing executives, sales managers, or brand managers.

Finance and Banking

Graduates can work in finance departments or banks, analyzing financial data, managing budgets, or providing financial advisory services.

Human Resource Management

Graduates can work in human resource departments, handling recruitment, employee training, performance management, and employee relations.

Entrepreneurship and Small Business

Graduates can start their own businesses or work in startups, applying their knowledge of business principles and practices to drive success.

Consulting

Graduates can work in consulting firms, providing advice and solutions to businesses in areas such as strategy, operations, marketing, or finance.

Business Analysis

Graduates can work as business analysts, analyzing business processes, identifying areas for improvement, and recommending strategies for increased efficiency and effectiveness.

Supply Chain Management

Graduates can work in supply chain and logistics departments, managing the flow of goods and services from suppliers to customers.

International Business

Graduates can pursue careers in international trade and business, working in roles such as international business development managers or trade analysts.

Government and Non-profit Organizations

Graduates can work in business-related roles in government agencies or non-profit organizations, contributing to policy development, project management, or community development initiatives.

ADMISSION CRITERIA

- F.A. (Mathematics/Statistics/Economics) /F.Sc.(Pre-medical & Pre-engineering)/ ICS/I.Com/A-level with minimum 2nd division and equivalent.
- ICBS entry test with qualifying marks 45%.

SCHEME OF STUDIES - BBA

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/BBA-101	Language in use	3(3+0)
CC/Isl-101 CC/Phil-101	Islamic Education/ Ethics (For Non-Muslim)	2(2+0)
Maj/ BBA -101	Financial Accounting-I	3(3+0)
Maj/ BBA -102	Micro Economics	3(3+0)
Maj/ BBA -103	Business Ethics	3(3+0)
FC/CS -104	IT in Business-I	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-101	Academic Reading & Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
Maj/ BBA -105	Financial Accounting-II	3(3+0)
Maj/ BBA -106	Introduction to Management	3(3+0)
Maj/ BBA -107	Macro Economics	3(3+0)
FC/CS/105	IT in Business-II	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BBA

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
Maj/ BBA -201	Introductory Business Mathematics	3(3+0)
Maj/ BBA -202	Business Communication and Technical Writing	3(3+0)
Maj/ BBA -203	Marketing Management	3(3+0)
Maj/ BBA -204	Pakistan Economy	3(3+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/ BBA -205	Advanced Academic Reading and Writing	3(3+0)
Maj/ BBA -206	Introductory Business Statistics	3(3+0)
Maj/ BBA -207	Business Law	3(3+0)
Maj/ BBA -208	Logic & Argument	3(3+0)
Min/Psy-101	Introductory Psychology	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BBA

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/ BBA -301	Statistical Inference	3(3+0)
Maj/ BBA -302	Research Methods for Business	3(2+1)
Maj/ BBA -303	Cost Accounting	3(3+0)
Maj/ BBA -304	Organizational Behavior	3(3+0)
Maj/ BBA -305	Entrepreneurship	3(2+1)
Maj/ BBA -306	Introduction to Sociology	3(3+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/ BBA -307	Financial Management	3(3+0)
Maj/ BBA -308	Money and Banking	3(3+0)
Maj/ BBA -309	Human Resource Management	3(3+0)
Maj/ BBA -310	E-Commerce	3(3+0)
Maj/ BBA -311	Innovation Management	3(2+1)
	Total Credits	**15**

SCHEME OF STUDIES - BBA

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/ BBA -401	Supply Chain Management	3(2+1)
Maj/ BBA -402	Strategic Management	3(3+0)
Maj/ BBA -403	Management Information System	3(3+0)
EC/ BBA -401 EC/ BBA -402	International Marketing Corporate Finance **(Choose Any One)**	3(2+1)
EC/ BBA -403 EC/ BBA -404	Sales management Financial reporting and Analysis **(Choose Any One)**	3(2+1)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/ BBA -404	Project Management	3(2+1)
Maj/ BBA -405	International Relations and Current Affairs	3(3+0)
Maj/ BBA -406	Managerial Economics	3(3+0)
EC/ BBA -405 EC/ BBA -406	Consumer Behavior Investment & Portfolio Management (Choose Any One)	3(2+1)
EC/ BBA -407 EC/ BBA -408	Taxation Management Advertising & Promotion (Choose Any One)	3(2+1)
	Total Credits	**15**

Total Hours:

17+17+15+15+18+15+15+15=127 CR

EXECUTIVE MASTER OF BUSINESS ADMINISTRATION (EXECUTIVE MBA)

An Executive Master of Business Administration (MBA) is a graduate-level program designed for experienced professionals seeking to enhance their management skills and advance their careers. The program combines advanced business knowledge with practical leadership development. Here is an overview of the degree program

MISSION STATEMENT

The successful completion of this program would lead participants to advance on their existing corporate position or join new lucrative careers in both public and private sectors. This program also provides a solid platform to individuals who are in pursuit of their careers as successful businessman and are able to handle entrepreneurial startups of their own.

PROGRAM OVERVIEW

Core Business Courses

Executive MBA programs typically cover core business areas such as finance, marketing, operations, strategy, and leadership.

Leadership Development

The program focuses on developing leadership skills, including strategic thinking, decision-making, team management, and organizational leadership.

Advanced Business Concepts

Executive MBA programs explore advanced business concepts and frameworks, providing a deeper understanding of business strategy, innovation, and global business dynamics.

Networking Opportunities

Executive MBA programs often offer networking opportunities with fellow executives, alumni, and industry professionals, allowing for valuable connections and collaboration.

Real-World Application

The program emphasizes the application of business concepts to real-world challenges, encouraging students to apply their learning to their current professional roles.

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National Business Education Accreditation Council

CAREER SCOPE

Senior Management Roles

Graduates can pursue senior management positions, such as Chief Executive Officer, Chief Operating Officer, or Chief Financial Officer, leveraging their advanced business knowledge and leadership skills.

Strategic Planning and Consulting

Graduates can work as strategic planners or consultants, providing expertise and guidance to organizations in areas such as business strategy, organizational development, or process optimization.

Entrepreneurship and Business Ownership

Graduates can start their own businesses or join startup ventures, applying their business acumen and leadership skills to drive entrepreneurial success.

Business Development

Graduates can work in business development roles, identifying opportunities, forging strategic partnerships, and expanding market presence for organizations.

Executive Leadership

Graduates can lead organizational transformation, driving change initiatives, managing complex projects, and ensuring effective execution of business strategies.

Industry Consulting

Graduates can work as consultants specializing in specific industries, providing industry-specific knowledge, insights, and solutions to organizations.

Business Analysis

Graduates can work as business analysts, analyzing business processes, identifying areas for improvement, and recommending strategies for increased efficiency and effectiveness.

Non-profit and Public Sector Leadership

Graduates can apply their business acumen and leadership skills to non-profit organizations or public sector agencies, contributing to strategic planning, resource management, and program development.

Board Positions

Graduates can pursue board positions in corporations, non-profit organizations, or advisory boards, providing strategic guidance and oversight to organizations.

Overall, an Executive MBA equips professionals with the advanced business knowledge, leadership skills, and networks necessary to take on high-level managerial roles, pursue entrepreneurial ventures, or make significant contributions to the growth and success of organizations.

ADMISSION CRITERIA

16 years of Education
3 years of job experience

For students with Business background
total credit hours 30-40

For students with Non-Business background
total credit hours 60-66

This includes additional and bridging courses

SCHEME OF STUDIES

As per rule of HEC approved by The Imperial College of Business Studies, Lahore. The area of specialization offered as per revised roadmap of Business Council vide letter no. 9-48 (Business)/Acad(Curri)/HEC/2018/2634 Dated March 28, 2019

SCHEME OF STUDIES - EXECUTIVE MBA

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
	Basic/core course I	4 (4+0)
	Basic/core course II	4 (4+0)
	Basic/core course III	4 (4+0)
	Basic/core course IV	3 (3+0)
	Total Credits	**15**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
	Basic/core course I	3 (3+0)
	Basic/core course II	3 (3+0)
	Basic/core course III	3 (3+0)
	Advance Research Methodology	3 (3+0)
	Total Credits	**12**

SCHEME OF STUDIES - EXECUTIVE MBA

YEAR -II

Semester -III + IV

Course No	Course Title	Credit Hours
	Research Project/Thesis	12
	Total Credits	**12**

Total Hours:
15+12+12=39 CR

BS AVIATION MANAGEMENT

Welcome to the exciting world of BS Aviation Management at ICBS, a leading institution in Pakistan dedicated to shaping future aviation professionals. Our program offers a comprehensive curriculum that combines theoretical knowledge with practical training, preparing students for rewarding careers in the dynamic aviation industry. With a strong emphasis on managerial skills and industry-specific knowledge, our degree equips students with the tools and expertise needed to excel in various roles within airlines, airports, aviation regulatory bodies, and other aviation-related organizations. Through a blend of classroom instruction, hands-on experiences, and industry collaborations, we strive to develop competent professionals who can effectively navigate the complexities of aviation management. Join us and embark on a journey that will take you to new heights in the ever-evolving aviation sector.

MISSION STATEMENT

Our program aims to empower students with a comprehensive understanding of aviation management principles, regulatory frameworks, and industry best practices, preparing them to effectively contribute to the growth and sustainability of the aviation sector in Pakistan and beyond.

PROGRAM OVERVIEW

Aviation Operations

Students learn about aviation operations, including airport management, airline operations, air traffic management, ground handling, and aviation security.

Aviation Regulations and Safety

Students gain knowledge of aviation regulations and safety procedures, including international and national aviation laws, safety management systems, and accident investigation.

Aviation Economics and Finance

Students study aviation economics, financial management, pricing strategies, and revenue management in the aviation industry.

Aviation Marketing and Customer Service

Students learn about marketing strategies specific to the aviation industry, customer service management, and passenger experience.

Aviation Law and Ethics

Students gain an understanding of legal and ethical issues in aviation, including contracts, liability, and ethical considerations in aviation operations.

APPROVED BY

National
Business Education
Accreditation Council

CAREER SCOPE

Airline Management

Graduates can work in airline management roles, overseeing airline operations, route planning, revenue management, customer service, and marketing.

Airport Management

Graduates can work in airport management, responsible for the efficient operation of airports, including terminal operations, ground handling, security, and passenger services.

Aviation Safety and Compliance

Graduates can work in safety and compliance departments of airlines, airports, or aviation regulatory agencies, ensuring adherence to safety regulations and implementing safety management systems.

Aviation Consulting

Graduates can work in aviation consulting firms, providing expertise and advice on aviation business strategies, airport operations, airline management, or aviation safety.

Aviation Sales and Marketing

Graduates can pursue careers in aviation sales and marketing, promoting airline services, managing customer relationships, or developing marketing campaigns for aviation companies.

Aviation Financial Management

Graduates can work in financial management roles within aviation companies or aviation departments of financial institutions, managing budgets, financial planning, and cost control.

Aviation Operations and Ground Handling

Graduates can work in operations or ground handling departments of airlines or airports, coordinating aircraft operations, managing ground services, or ensuring efficient logistics.

Air Traffic Management

Graduates can pursue careers in air traffic management, working with air traffic control authorities, managing airspace, and ensuring safe and efficient air traffic flow.

Aviation Regulatory Agencies

Graduates can work for aviation regulatory agencies, enforcing aviation regulations, conducting safety inspections, and overseeing compliance in the aviation industry.

ADMISSION CRITERIA

F.A. / F.Sc./ ICS / I.Com /A-level and equivalent.

SCHEME OF STUDIES - BS AVIATION MANAGEMENT

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/BBA-101	Language in use	3(3+0)
	Ethics (For Non-Muslim)	
	Financial Accounting-I	
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-101	Academic Reading & Writing	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS AVIATION MANAGEMENT

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/ BBA -205	Advanced Academic Reading and Writing	3(3+0)
	Total Credits	**15**

BACHELOR OF COMMERCE (B.COM) HONORS

The Department of Commerce offers B.Com (Honors) 4-Years degree program which will help the students to gain knowledge of financial management and accounting and they feel confident and equipped to start their own business. Students equipped with creative mind and have the best business idea in the world. There are many skills that the students will need for a career in business and commerce.

MISSION STATEMENT

The mission of the department is to equip the students with following qualities / skills.

- An understanding of economics and how markets affect a business.
- Numeracy and the ability to interpret financial data.
- Analytical and critical thinking.

APPROVED BY

National
Business Education
Accreditation Council

PROGRAM OVERVIEW

Core Business Courses

Students take core courses that provide a foundation in business principles and practices, including accounting, economics, business law, and business communication.

Specialization Tracks

Some B. Com Hons. programs offer specialization tracks, allowing students to focus their studies on specific areas such as accounting, finance, marketing, or human resource management.

Accounting

Students gain knowledge of financial accounting principles, managerial accounting techniques, and auditing practices.

Economics

Students study microeconomics and macroeconomics, analyzing market dynamics, economic policies, and global economic trends.

Business Management

Students learn principles and techniques of business management, including strategic planning, organizational behavior, marketing management, and human resource management.

Finance

Students gain an understanding of financial management, investment analysis, capital budgeting, and risk management.

Marketing

Students study marketing principles, consumer behavior, market research, branding, and advertising.

CAREER SCOPE

Accounting

Graduates can pursue careers in accounting firms, corporate accounting departments, or government agencies, working as auditors, accountants, or financial analysts.

Finance

Graduates can work in finance departments of corporations, banks, or financial institutions, in roles such as financial analysts, investment analysts, or risk managers.

Business Management

Graduates can work in management roles in organizations of all sizes, overseeing operations, strategic planning, and business development.

Marketing and Sales

Graduates can pursue careers in marketing and sales, working in roles such as marketing executives, sales managers, or brand managers.

Entrepreneurship

Graduates can start their own businesses or work in startups, applying their knowledge of business principles and practices to drive success.

Consulting

Graduates can work in consulting firms, providing advice and solutions to businesses in areas such as strategy, operations, marketing, or finance.

Government and Non-profit Organizations

Graduates can work in business-related roles in government agencies or non-profit organizations, contributing to policy development, project management, or community development initiatives.

ADMISSION CRITERIA

F.A. (Mathematics/ Statistics / Economics) / F.Sc. (Pre-medical & Pre-engineering) / ICS / I.Com /A-level and equivalent.

SCHEME OF STUDIES
BACHELOR OF COMMERCE (B. COM) HONS.

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng -103	Functional English	3(3+0)
CC/Isl-101/ CC/Phil-101	Islamic Education Ethics (For Non-Muslim)	2(2+0)
Maj/Com-101	Financial Accounting-I	3(3+0)
Maj/Com-102	Introduction to Business	3(3+0)
Maj/Com-103	Business Mathematics	3(3+0)
Min/CS-103	Computer Application in Business	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
Maj/Com-104	Financial Accounting-II	3(3+0)
Maj/Com-105	Business Statistics	3(3+0)
Maj/Com-106	Business Law	3(3+0)
Maj/Com-107	Micro Economics	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES
BACHELOR OF COMMERCE (B. COM) HONS.

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/Com-201	Advanced Accounting-I	3(3+0)
Maj/Com-202	Macro Economics	3(3+0)
Maj/Com-203	Business Taxation	3(3+0)
Maj/Com-204	Business Communication & Report Writing	3(3+0)
Maj/Com-205	Money & Banking	3(3+0)
Min/Psy-201	Introduction to Psychology	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/Com-206	Advance Accounting-II	3(3+0)
Maj/Com-207	Auditing	3(3+0)
Maj/Com-208	Cost Accounting	3(3+0)
Maj/Com-209	Human Resource Management	3(3+0)
Maj/Com-210	Economics of Pakistan	3(3+0)
Maj/Com-211	Essential of Management	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES
BACHELOR OF COMMERCE (B. COM) HONS.

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Com-301	Entrepreneurship	3(3+0)
Maj/Com-302	Principles of Marketing	3(3+0)
Maj/Com-303	Introduction to Business Finance	3(3+0)
Maj/Com-304	Investment & Portfolio Management	3(3+0)
Maj/Com-305	Inferential Statistics	3(3+0)
	Total Credits	**15**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Com-306	Research Methods in Business	3(3+0)
Maj/Com-307	Financial Management	3(3+0)
Maj/Com-308	Insurance and Risk Management	3(3+0)
Min/Psy-301	Logic and Arguments	3(3+0)
Min/Com-102	Electronic Commerce	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES
BACHELOR OF COMMERCE (B. COM) HONS.

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/Com-401	Corporate Governance	3(2+1)
Maj/Com-402	Organizational Behavior	3(3+0)
Maj/Com-403	Managerial Economics	3(3+0)
EC/Com-401 EC/Com-401	Analysis of Financial Statement Sales Force Management **(Choose Any One)**	3(3+0)
EC/Com-402 EC/Com-402	Advanced Cost & Managerial Accounting International Marketing **(Choose Any One)**	3(3+0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/Com-404	Strategic Management	3(3+0)
Maj/Com-405	International Business	3(3+0)
Min/Com-103	Management Information System	3(3+0)
EC/Com-403 EC/Com-404	Consumer Behavior Advanced Accounting Theory & Practice **(Choose Any One)**	3(3+0)
EC/BC-405 EC/BC-406	Corporate Finance Advertising and Promotion **(Choose Any One)**	3(3+0)
	Total Credits	**15**

Total Hours:
17+17+18+18+15+15+15+15=130 CR+ 06 Internship* = 136 CR

BS PUBLIC ADMINISTRATION

The 4 years degree program of Bachelors of Public Administration (BPA) offers a wide variety of courses designed to meet the needs of students intending to adopt career in Public organizations in the field of Marketing, Finance, Human Resource Management and related professions. Public Administration comprise compulsory courses on Introduction to Public Administration, Administrative Theory, Indian Administration, Public Policy and Governance, Public Personnel Administration, Rural Local Governance, Public Financial Administration, Urban Local Governance, Research Methods, Comparative Public BA Public Administration course extensively deals with the study of various concepts pertaining to administration, Public Services, Public Organizations, and the Constitutional framework. Students studying BA Public Administration study topics like Secularism, Equality, Law and Order, Justice and how these values are incorporated in the Public Administration-related policies and various government policies. The course imparts knowledge about the mechanism being followed in the major political institutions and agencies for the formation, implementation and regulation of various public policies. The course also deals with the prevailing political, economic and social conditions. It also involves studying the people who actively engage in the policymaking process, including interest groups, expert communities, media, agencies, etc. The course prepares multitasking professionals who look upon the dominant ideas currently working upon the formation of public policies, and their successful implementation. The course strives at effectively improving public life in the social sphere by regulating administration policies.

APPROVED BY

National
Business Education
Accreditation Council

MISSION STATEMENT

The mission of the department is to produce officers who are helpful in Bureaucracy, Economic Development agencies, Pakistan Civil Services, Education, Fire and Emergency Services, Public Works, Corporate Management, Land Revenue Systems, Municipal Bodies, Management Police Department, and play role in Pakistan Administration.

PROGRAM OVERVIEW

Public Policy

Students study the formulation, implementation, and evaluation of public policies, understanding the role of government in addressing societal issues.

Public Administration Theory

Students learn about the theories and principles of public administration, including organizational behavior, public sector ethics, and public management.

Public Finance

Students gain knowledge of public finance and budgeting, understanding government revenue sources, expenditure allocation, and financial management in the public sector.

Administrative Law

Students study the legal framework governing public administration, including administrative processes, public accountability, and regulatory compliance.

Public Sector Management

Students learn about the management of public sector organizations, including human resource management, strategic planning, decision-making, and performance measurement.

CAREER SCOPE

Government Agencies

Graduates can work in government agencies at the local, state, or federal level, in roles such as program coordinators, policy analysts, or administrative officers.

Non-profit Organizations

Graduates can work in non-profit organizations that focus on public service delivery, policy advocacy, or community development, in roles such as program managers, grant coordinators, or policy researchers.

Public Policy Analysis

Graduates can work in research institutions, think tanks, or policy consulting firms, analyzing public policies, conducting research, and providing recommendations for policy improvements.

Public Sector Consulting

Graduates can work in consulting firms specializing in public sector management, providing expertise and advice on organizational effectiveness, policy implementation, or governance structures.

Public Finance and Budgeting

Graduates can work in finance departments of government agencies or non-profit organizations, managing budgets, financial reporting, and ensuring compliance with fiscal policies.

Community Development

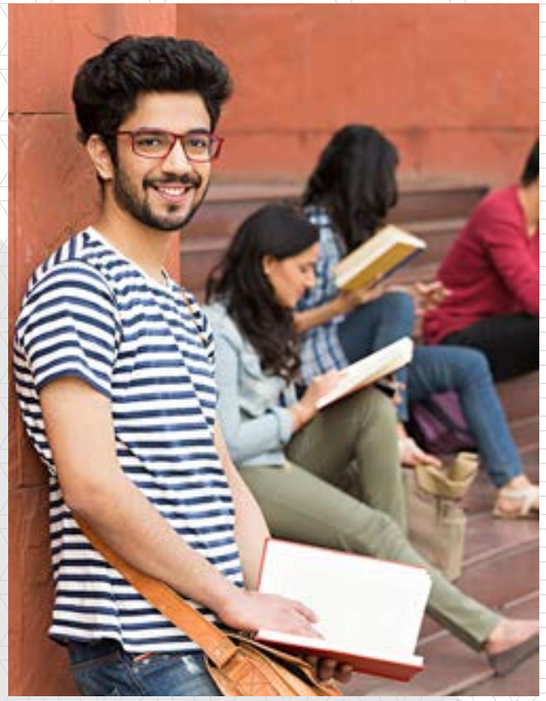
Graduates can work in community development organizations or local government offices, coordinating community initiatives, engaging stakeholders, and promoting civic participation.

Public Relations

Graduates can work in public relations roles within government agencies or non-profit organizations, managing public communication, promoting public awareness, and handling media relations.

ADMISSION CRITERIA

F.A. with (Mathematics/Statistics/Economics)/ F.Sc. (Pre-medical & Pre-engineering) / ICS / I.Com / A-level and equivalent students. ICBS entry test with qualifying marks 50%.



SCHEME OF STUDIES - BS PUBLIC ADMINISTRATION

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
CC/Isl-101/ CC/Phil-101	Islamic Education Ethics (For Non-Muslim)	2(2+0)
Maj/PA-101	Financial Accounting-I	3(3+0)
Maj/PA-102	Introduction to Management	3(3+0)
Maj/PA-101	Administrative Ethics	3(3+0)
FC/CS-104	IT in Business	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading & Writing	3(3+0)
CC/PS -101	Pakistan Studies	2(2+0)
Maj/PA-103	Financial Accounting-II	3(3+0)
Maj/PA-104	Business Communication and Technical Writing	3(3+0)
Maj/PA-105	Politics and Administration	3(3+0)
Min/Eco-103	Micro Economics	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS PUBLIC ADMINISTRATION

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
Maj/PA-201	Business Mathematics	3(3+0)
Maj/PA-202	Marketing Management	3(3+0)
Maj/PA-203	Public Policy	3(3+0)
Min/Eco-201	Macro Economics	3(3+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
CC/Eng-202	Advanced Academic Reading and Writing	3(3+0)
Maj/PA-204	Introductory Business Statistics	3(3+0)
Maj/PA-205	Public Administration and Management	3(3+0)
Maj/PA-206	Government, Business and Civil society	3(3+0)
Min/PA-202	Introductory Psychology	3(3+0)
Min/Psy-204	Pakistan Economy	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS PUBLIC ADMINISTRATION

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/PA-301	Statistical Inference	3(3+0)
Maj/PA-302	Research Methods for Business	3(2+1)
Maj/PA-303	Public Finance	3(3+0)
Maj/PA-304	Organizational Behavior	3(3+0)
Maj/PA-305	Entrepreneurship	3(2+1)
Min/PA-301	Introduction to Sociology	3(3+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/PA-306	Financial Management	3(3+0)
Maj/PA-307	Supply Chain Management	3(3+0)
Maj/PA-308	Human Resource Management	3(3+0)
Maj/PA-309	Science Society and Development	3(3+0)
Maj/PA-310	Innovation Management	3(2+1)
	Total Credits	**15**

SCHEME OF STUDIES - BS PUBLIC ADMINISTRATION

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/PA-401	Seminar in Management	3(2+1)
Maj/PA-402	Strategic Management	3(3+0)
Min/CS-401	Management Information System	3(3+0)
EC/PA-401 EC/PA-402 EC/PA-403 EC/PA-404 EC/PA-405 EC/PA-406	Corporate Finance International Marketing Compensation, Incentives and Corporate Governance Financial Reporting and Analysis Sales management Organization Change and Development **(Choose Two)**	3(2+1)
Maj/PA-403	Project Management	3(2+1)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Min/Pol-402	International Relations and Current Affairs	3(3+0)
Maj/PA-403	Development Economics	3(3+0)
EC/PA-407 EC/PA-408 EC/PA-409 EC/PA-410 EC/PA-411 EC/PA-412	Investment & Portfolio Management Consumer Behavior Strategic Human Resource Management Taxation Management Advertising & Promotion Training and Development **(Choose Any Two)**	3(2+1)
Maj/PA-404	Project	6
	Total Credits	**15**

Total Hours:
17+17+15+18+18+15+15+15=130 CR

BS ACCOUNTING & FINANCE

Accounting focuses on the analysis of information and recording financial transactions. While finance concentrates on the management of money and the funds of a business. Accounting and finance integrates the concepts of money with business and management. Together they cover a range of institutional and organizational processes of reporting, calculation and evaluation.

MISSION STATEMENT

Our mission is to develop strong numerical and quantitative skills, with advanced analytical and problem-solving capabilities. Develop of an additional skills of time management and organization, knowledge and awareness of business organizations and ability to argue your case and negotiate.

PROGRAM OVERVIEW

Financial Accounting

Students learn the principles and practices of financial accounting, including recording financial transactions, preparing financial statements, and analyzing financial performance.

Managerial Accounting

Students gain knowledge of managerial accounting techniques, including cost analysis, budgeting, performance measurement, and decision-making.

Financial Management

Students study financial management principles, including capital budgeting, risk management, financial planning, and capital structure.

Financial Analysis

Students learn techniques for financial analysis, including ratio analysis, financial statement analysis, valuation methods, and investment analysis.

Taxation

Students gain an understanding of tax laws and regulations, tax planning, and tax compliance for individuals and businesses.

APPROVED BY

National
Business Education
Accreditation Council

CAREER SCOPE

Public Accounting

Graduates can work in public accounting firms, providing services such as auditing, tax preparation, financial consulting, and assurance services to clients.

Corporate Accounting

Graduates can work in the accounting departments of corporations, managing financial reporting, budgeting, cost control, and financial analysis.

Financial Analysis

Graduates can pursue careers in financial analysis, working in roles such as financial analysts, investment analysts, or credit analysts, analyzing financial data, and providing insights for investment decisions.

Financial Management

Graduates can work in financial management roles in corporations or financial institutions, managing financial operations, financial planning, and capital budgeting.

Taxation

Graduates can work in tax departments of corporations or accounting firms, providing tax planning and compliance services, or pursuing careers in tax advisory and consulting.

Banking and Finance

Graduates can work in banks, financial institutions, or financial departments of corporations, in roles such as loan officers, credit analysts, or financial advisors.

Consulting

Graduates can work in consulting firms, providing expertise and advice on accounting and financial strategies, financial management, or financial systems implementation.

Government and Non-profit Organizations

Graduates can work in accounting and finance roles in government agencies or non-profit organizations, ensuring compliance with financial regulations, managing budgets, and financial reporting.

ADMISSION CRITERIA

F.A. (Mathematics/Statistics/Economics) / F.Sc. (Pre-medical & Pre-engineering)/ICS / I.Com /A-level and equivalent. ICBS entry test with qualifying marks 50%.

SCHEME OF STUDIES - BS ACCOUNTING AND FINANCE

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/AF-101	Introduction to Computing	3 (3+0)
CC-Eng-103	Functional English	3 (3+0)
Maj/AF-102	Financial Accounting	3 (3+0)
Maj/AF-103	Business Mathematics & Statistics	3 (3+0)
CC/Isl-101 CC/Phil/101	Islamic Studies Ethics (for Non-Muslims)	2 (2+0)
	Total Credits	**14**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/AF-104	Business Finance	3 (3+0)
Min/Eco-101	Economics	3 (3+0)
CC/Eng-104	Business and Technical English Writing	3 (3+0)
Maj/AF-105	Introduction To Business	3 (3+0)
Maj/AF-106	Principles of Marketing	3 (3+0)
CC-PS-101	Pakistan Studies	2 (2+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ACCOUNTING AND FINANCE

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/AF-201	Introduction to Programming	3(3+0)
Maj/AF-202	Microeconomics	3(3+0)
CC/Eng-201	Communication skills	3(3+0)
Maj/AF-203	Financial Management	3(3+0)
Maj/AF-204	Financial Accounting II	3(3+0)
FC/Stat-101	Statistics and Probability	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/AF-205	Macroeconomics	3(3+0)
Maj/AF-206	Cost & Management Accounting	3(3+0)
Maj/AF-207	Money & Banking	3(3+0)
Maj/AF-208	Organizational Behavior	3(3+0)
Maj/AF-209	Principles of Management	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS ACCOUNTING AND FINANCE

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/AF-301	Business Communication	3(3+0)
Maj/AF-302	SME Management	3(3+0)
Maj/AF-303	Strategic Management	3(3+0)
Maj/AF-304	Management of Financial Institutions (alt. code=BNK604)	3(3+0)
Maj/AF-305	Introduction to Sociology	3(3+0)
	Total Credits	**15**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/AF-306	Fundamentals of Auditing	3(3+0)
Maj/AF-307	E-Commerce	3(3+0)
Maj/AF-308	Total Quality Management	3(3+0)
Maj/AF-308	International Business	3(3+0)
Maj/AF-310	Business Ethics	3(3+0)
Min/Psy-101	Introduction to Psychology	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ACCOUNTING AND FINANCE

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/AF-401	Advanced Financial Accounting	3 (3+0)
Maj/AF-402	Financial Statement Analysis	3 (3+0)
Maj/AF-403	Corporate Finance	3 (3+0)
Maj/AF-404	Taxation Management	3 (3+0)
Maj/AF-405	Production / Operations Management	3 (3+0)
Maj/AF-406	Research Methods	3 (3+0)
	Total Credits	**18**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/AF-407	Information Systems	3 (3+0)
Maj/AF-408	Islamic Modes of Finance or Investment Analysis & Portfolio Management	3 (3+0)
Maj/AF-409	Entrepreneurship	3 (3+0)
Maj/AF-410	Business & Labor Law	3 (3+0)
AF-101	Internship Report-Accounting & Finance	06
	Total Credits	**18**

Total Hours:

14+17+18+15+15+18+18+18=133 CR

BS SUPPLY CHAIN MANAGEMENT

In the past few years, disruptions have rocked the global supply chain which increase the demand for delivered goods, challenged manufacturing centers and abilities to keep up. Restrictions slowed transit and worker shortages caused deliveries to back up in ports. Departmental objective is to enhance the skills of the students regarding the selection and sourcing of raw materials, inbound logistics, Delivery of materials to manufacturers, warehousing and inventory management, minimizing delays in materials and product storage, outbound logistics, transporting manufactured products to distributors, retailers, and ultimately customers forecasting: Evaluating customer responses and predicting demand, with the goal of managing inventory levels correctly.

MISSION STATEMENT

Departmental mission is to empowers the students to keep the wheels turning smoothly both in everyday situations and in times of crisis. To develop the skills of supply chain management to gain a better understanding of the flow of production and distribution and collaborate more efficiently.

PROGRAM OVERVIEW

Supply Chain Fundamentals

Students learn the basics of supply chain management, including supply chain design, demand forecasting, and supplier relationship management.

Logistics and Transportation

Students study logistics management, including transportation systems, warehouse management, distribution networks, and inventory control.

Procurement and Sourcing

Students gain knowledge of procurement strategies, supplier evaluation and selection, negotiation techniques, and contract management.

Operations Management

Students learn about operations planning, production scheduling, quality management, and process improvement.

Information Systems and Technology

Students explore the role of information systems and technology in supply chain management, including the use of enterprise resource planning (ERP) systems and data analytics.

APPROVED BY

National
Business Education
Accreditation Council

CAREER SCOPE

Supply Chain Management

Graduates can work in supply chain management roles in manufacturing companies, retail organizations, logistics providers, or consulting firms. They can manage the flow of goods, optimize inventory levels, and ensure efficient operations.

Logistics and Transportation

Graduates can pursue careers in logistics and transportation companies, managing the movement of goods, coordinating transportation networks, and optimizing supply chain efficiency.

Procurement and Sourcing

Graduates can work in procurement or sourcing departments, responsible for supplier management, negotiation, contract administration, and ensuring the timely availability of goods and services.

Operations Management

Graduates can work in operations management roles, overseeing production processes, managing inventory levels, and implementing process improvement initiatives.

Supply Chain Analytics

Graduates can specialize in supply chain analytics, using data analysis and modeling techniques to optimize supply chain performance, identify trends, and make informed business decisions.

Consulting

Graduates can work in consulting firms, providing advice and solutions to organizations on supply chain management strategies, process optimization, and technology implementation.

Retail and E-commerce

Graduates can work in retail or e-commerce companies, managing supply chain operations, inventory planning, and order fulfillment.

Manufacturing and Production

Graduates can work in manufacturing companies, managing production processes, materials planning, and quality control.

Third-Party Logistics Providers

Graduates can work for third-party logistics providers, managing logistics operations for multiple clients, coordinating transportation, warehousing, and distribution activities.

ADMISSION CRITERIA

F.A. (Mathematics/Statistics/Economics)/F.Sc. (Pre-Medical & Pre-Engineering)/ICS/I.Com/A-level and equivalent

SCHEME OF STUDIES - BS SUPPLY CHAIN MANAGEMENT

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-103	Functional English	3 (3+0)
FC/Math-106	Business math-I	3 (3+0)
CC/Eco-101	Micro-Economics	3 (3+0)
CC/PS-101	Pakistan Studies	3 (3+0)
CC/Isl-101 CC/Phil-101	Islamic Studies / Ethics (For Non-Muslim)	2 (2+0)
Maj-Scm-101	Principles of Management	3 (3+0)
	Total Credits	**15**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3 (3+0)
Maj/SCM-102	IT in Supply Chain Management	3 (3+0)
Maj/SCM -103	Introduction to Sociology	3 (3+0)
Maj/SCM -104	Financial Accounting	3 (3+0)
Maj/SCM -105	Macro-Economics	3 (3+0)
Maj/SCM -106	Introduction to Supply Chain Management	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS SUPPLY CHAIN MANAGEMENT

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-202	Technical Report Writing	3(3+0)
Maj/SCM -201	Business Statistics	3(3+0)
Maj/SCM -202	Managerial Accounting	3(3+0)
Maj/SCM -203	Principles of marketing	3(3+0)
Maj/SCM -204	Business Math-II/Numeracy Skills	3(3+0)
Maj/SCM -205	Introduction to Procurement Management	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/SCM-205	Macroeconomics	3(3+0)
Maj/SCM-206	Cost & Management Accounting	3(3+0)
Maj/SCM-207	Money & Banking	3(3+0)
Maj/SCM-208	Organizational Behavior	3(3+0)
Maj/SCM-209	Principles of Management	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS SUPPLY CHAIN MANAGEMENT

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/SCM -301	Self-Management	3(3+0)
Maj/SCM-302	Human Resources Management	3(3+0)
Maj/SCM -303	Finance of SC Managers	3(3+0)
Maj/SCM -304	Introduction to Blue Economy and Green SCM	3(3+0)
Maj/SCM -305	Operation and Production Management	3(3+0)
Maj/SCM -306	Inventory and Warehouse Management	3(3+0)
	Total Credits	**18**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/SCM -307	Career Exploring Management	3(3+0)
Maj/SCM -308	Project Management	3(3+0)
Maj/SCM -309	SC Analytics and Information System	3(3+0)
Maj/SCM -310	Quality Management and Lean Thinking	3(3+0)
Maj/SCM -311	Statistical Inference and Quantitative Research	3(3+0)
Maj/SCM -312	Supply Network Planning and Design	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS SUPPLY CHAIN MANAGEMENT

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/SCM -401	Social and Psychological Development	3 (3+0)
Maj/SCM -402	Import Export Management	3 (3+0)
Maj/SCM -403	Multimodal Transport Management	3 (3+0)
Maj/SCM -404	Legal Aspects of Supply chains	3 (3+0)
Maj/SCM -405	Research Methods &Techniques	3 (3+0)
Maj/SCM -406	Innovations in SC with Ecommerce	3 (3+0)
	Total Credits	**18**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
EC/SCM -401	Elective-I	3 (3+0)
Maj/SCM -407	Operation Research	3 (3+0)
Maj/SCM -408	Globalization and outstanding Strategies	3 (3+0)
EC/SCM -402	Elective-II	3 (3+0)
EC/SCM -403	Elective-III	3 (3+0)
	Total Credits	**15**

Total Hours:

15+18+18+15+18+18+18+15=135 CR

FACULTY OF ART, SOCIAL SCIENCES AND HUMANITIES

DEPARTMENT OF ART, SOCIAL SCIENCES & HUMANITIES

The Arts, Social Sciences and Humanities brings people and place to life and from that our desire to think, examine, express and create, to act collectively for positive social change. As a new faculty that is our purpose – to provide the foundation and inspiration for living and to work towards a better life for everyone, particularly those who are most vulnerable in society.

We promote ways in which people can live meaningful, healthy, secure and sustainable lives as well as improving our understanding of human thought, culture and art, to advance an inquisitive, harmonious and equitable society.

We empower individuals with the knowledge and skills like creative problem-solving, analytical thinking, communication and practical expertise to make positive personal choices in daily life. We influence structures, systems and institutions that impact on how people lead their lives and empower communities through social change.

Programs Offered

1. BS English
2. BS Pakistan Studies
3. BS Urdu
4. BS Islamic Studies
5. BS Economics
6. Bachelor of Architecture

APPROVED BY Higher Education Commission

BS ENGLISH

BS is an integrate degree program including both English Language and Literature courses. The diversity of the program is further enhanced by the addition of a wide range of courses from other discipline, e.g., Social Sciences, Business and commerce. Social Sciences are the backbone of development in social and economic terms. Extending over eight semesters or four year, the aim of this program is to provide students with strong foundational but-in-dept knowledge of English Language and Literature on the one hand, and to develop their communicative skills on the other. The coursework comprises 129 credit hours. The last two semesters provide the students an opportunity to major in English Language or English Literature by devoting their studies entirely to either of these disciplines, and write a thesis (3 credits) on a corresponding topic.

MISSION STATEMENT

This department is committed to providing an ideal environment of learning and research through its highly qualified and experienced faculty, state of the art research facilities and creative activities couples with collaborative engagement involving local as well as global communities. Considering the increasingly interconnectedness of the contemporary world, the department seeks to educate students to become communicatively competent and well-informed global citizen with proficiency in languages and critical insights into the world culture to gain and disseminate new modes of knowledge have always been the hallmarks of this department. Our vision, in broader terms, is to produce a generation of graduates willing to and capable of contributing to global peace, prosperity and progress, of course, with their applied communicative cognitive, critical, cultural, social and creative skills.

APPROVED BY Higher Education Commission

PROGRAM OVERVIEW

Core Courses

Students learn the basics of supply chain management, including supply chain design, demand forecasting, and supplier relationship management.

Language and Linguistics

Students explore the structure and usage of the English language, including syntax, phonetics, semantics, sociolinguistics, and pragmatics. They gain a deep understanding of language systems and how they shape communication.

Literature Studies

The program includes the study of English literature from different periods and genres. Students analyze works of poetry, drama, fiction, and non-fiction, developing critical reading and interpretation skills.

Writing and Communication

Students learn effective writing techniques, including academic writing, professional writing, and creative writing. They develop skills in research, argumentation, and crafting written content for different audiences and purposes.

Research and Analysis

The program often includes courses that emphasize research skills, enabling students to conduct literary research, analyze texts, and write scholarly papers. They learn to engage with literary theory and contribute to academic discourse.

Electives and Concentrations

Some programs offer elective courses or concentrations that allow students to specialize in specific areas of interest, such as film studies, digital media, gender studies, or cultural studies.

CAREER SCOPE

Education and Teaching

Many graduates find employment in educational institutions as English teachers at the primary, secondary, or college level. They can also pursue teaching opportunities abroad in international schools or language institutes.

Writing and Editing

Graduates can work as professional writers, editors, or content creators in publishing houses, media organizations, advertising agencies, or online platforms. They may write and edit articles, blogs, marketing materials, or literary works.

Journalism and Media

English graduates can work in journalism, reporting, or media organizations. They can become journalists, news writers, editors, or broadcasters, covering various topics and producing engaging content for print, broadcast, or online media.

Publishing and Literary Agencies

Graduates can find employment in publishing houses, literary agencies, or literary magazines. They can work as editors, literary agents, or content developers, contributing to the publication and promotion of literary works.

Public Relations and Communications

English graduates can work in public relations firms, corporate communications departments, or non-profit organizations. They can engage in tasks such as writing press releases, creating content for websites, managing social media, and crafting effective communication strategies.

Advertising and Marketing

Graduates can pursue careers in advertising agencies or marketing departments, where they contribute to developing marketing campaigns, writing copy, creating content, and conducting market research.

Content Writing and Digital Media

With the rise of digital platforms, English graduates can work as content writers, digital marketers, or social media managers. They can create engaging content, manage online platforms, and strategize digital marketing initiatives.

Freelance Writing and Entrepreneurship

English graduates with strong writing and communication skills can work as freelance writers, offering services such as copywriting, content writing, editing, or ghostwriting. They can also establish their own writing-related businesses or consultancy services.

Cultural and Arts Organizations

Graduates can work in cultural institutions, museums, art centers, or non-profit organizations dedicated to promoting literature, arts, and cultural heritage. They may engage in curatorial work, event management, or arts administration.

ADMISSION CRITERIA

F.Sc (Pre- medical, Pre-engineering, General Science, Computer Science and I.Com) are eligible for admission.

SCHEME OF STUDIES - BS ENGLISH

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
Maj/Eng-101	Introduction to Literature-I (History of English Literature)	3(3+0)
CC/Isl-101 / CC/Phil-101	Islamic Studies Ethics (For Non-Muslims)	2(2+0)
EC/Pol.Sc-101	Introduction to Human Rights	3(3+0)
Min/Psy-101 Min/MC-101 Min/Pol.Sc-101	Elements of Psychology-I Introduction to Communication and Journalism Introduction to Political Science **(Choose Any One)**	3(3+0)
Min/Phil-101 Min/Eco-101 Min/Hist-101	Pre-Socratic Thought Micro Economics History of Pakistan Movement (1857-1924) **(Choose Any One)**	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading and Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
Maj/Eng-102	Introduction to Literature-II (Poetry & Drama)	3(3+0)
CC/Math-101	Compulsory Mathematics	3(3+0)
Min/Psy-102 Min/MC-102 Min/Pol.Sc-102	Elements of Psychology-II Introduction to News Writing Techniques Fundamentals of Political Science **(Choose Any One)**	3(3+0)
Min/Phil-102 Min/Eco-102 Min/Hist-102	Pre-Major Greek Philosophers Macro Economics History of Pakistan Movement (1924-1947) **(Choose Any One)**	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ENGLISH

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Academic Reading and Writing	3(3+0)
Maj/Eng-201	Pakistan Studies	3(3+0)
Maj/Eng-201	Introduction to Literature-II (Poetry & Drama)	3(3+0)
EC/Psy-201	Compulsory Mathematics	3(3+0)
Min/Psy-201 Min/Eco-201 Min/Hist-201 Min/Pol.Sc-201 Min/Phil-201	Psychology of Adjustment Mathematical Economics History of Pakistan 1947-1969 Comparative Constitutions: Developed Classical Muslim Philosophy-I **(Choose Any One)**	3(3+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
CC/Eng-202	Academic Reading and Writing	3(3+0)
Maj/Eng-203	Pakistan Studies	3(3+0)
Maj/Eng-204	Introduction to Literature-II (Poetry & Drama)	3(3+0)
CC/CS-201	Compulsory Mathematics	3(3+0)
Min/Psy-202 Min/Eco-202 Min/Hist-202 Min/Pol.Sc-202 Min/Phil-202	Psychology Minor Economics of Pakistan History of Pakistan 1969-1997 Comparative Constitutions: Developing-II Classical Muslim Philosophy-II **(Choose Any One)**	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS ENGLISH

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Eng-301	Literary Criticism-I	3(3+0)
Maj/Eng-302	Introduction to Linguistics-III: Phonetics & English Phonology	3(3+0)
Maj/Eng-303	Poetry 14th to 18th Century	3(3+0)
Maj/Eng-304	Novel 18th to 19th Century	3(3+0)
Maj/Eng-305	Introduction to Research Methodology	3(3+0)
	Total Credits	**15**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Eng-306	Literary Movements (20th Century)	3(3+0)
Maj/Eng-307	Literary Criticism-II	3(3+0)
Maj/Eng-308	Classics in Drama	3(3+0)
Maj/Eng-309	World Literature in English	3(3+0)
Maj/Eng-310	Romantic Poetry	3(3+0)
Maj/Eng-311	English Language Teaching (E.L.T)	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ENGLISH

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/Eng-401	American Literature-I (Poetry & Novel)	3(3+0)
Maj/Eng-402	Psycholinguistics	3(3+0)
Maj/Eng-403	Sociolinguistics	3(3+0)
EC/Eng-404	Continental Drama	3(3+0)
EC/Eng-405	Afro-American Literature	3(3+0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/Eng-407	American Literature-II (Drama)	3(3+0)
Maj/Eng-408	Introduction to Literature-IV: The Structure of English	3(3+0)
EC/Eng-409	Modern Poetry	3(3+0)
EC/Eng-410	Modern Novel	3(3+0)
Maj/Eng-406	Research Project/Internship Report	6
	Total Credits	**18**

Total Hours:
17+17+15+15+15+18+15+18=130 CR

BS PAKISTAN STUDIES

PAKISTAN Studies is a subject that aims at enhancing students' knowledge about history, culture and geography of Pakistan and to inculcate patriotism in the hearts of students so that they may become a good citizen. Pakistan Studies was introduced as a compulsory subject along with Islamic Education at the Secondary and Higher Secondary level during the Bhutto regime in the 1970s. Its introduction as a separate mandatory subject aimed to create patriotism among the youth and awareness of Pakistan ideology. Pakistan Studies Scope a higher level of education of study in Pak Studies helps him a great deal when it comes to CSS or PMS, particularly in documents related to Pakistan issues, History, Political Science and Geography, General Knowledge, Sociology, and International Relations.

MISSION STATEMENT

Department mission is to produce youth who have knowledge about Pakistan, have tolerance, knowledge about the value of peace.

PROGRAM OVERVIEW

History of Pakistan

Students study the historical background of Pakistan, including the pre-independence era, the creation of Pakistan, and the subsequent periods of Pakistani history. They explore significant events, personalities, and socio-political developments.

Political Systems

The curriculum covers the political systems and institutions of Pakistan, including the constitutional framework, governance structures, political parties, and electoral processes. Students analyze the evolution of the political landscape in Pakistan.

Cultural Diversity

Students examine the diverse cultures, languages, traditions, and customs that exist within Pakistan. They explore the regional diversity and its impact on the social fabric of the country.

Foreign Policy

The program introduces students to the foreign policy of Pakistan, its historical context, key diplomatic relations, and regional dynamics. They study the challenges and opportunities in Pakistan's foreign relations.

Social Issues

Students explore social issues and challenges faced by Pakistani society, including poverty, inequality, gender dynamics, education, and healthcare. They analyze social development initiatives and policy interventions.

APPROVED BY Higher Education Commission

CAREER SCOPE

Education and Teaching

Graduates can pursue careers as Pakistan Studies teachers in schools, colleges, or educational institutions. They can teach subjects related to Pakistani history, culture, and politics.

Research and Analysis

Graduates can work in research organizations, think tanks, or government agencies, conducting research on Pakistani history, politics, or socio-cultural aspects. They can contribute to policy-making and development initiatives.

Journalism and Media

Graduates can work as journalists, news reporters, or analysts, covering Pakistani affairs in print, broadcast, or online media organizations. They can provide insights on political developments, social issues, or cultural events.

Civil Services

Graduates can appear in competitive examinations for civil services, such as the Central Superior Services (CSS) in Pakistan. They can pursue careers in administrative, diplomatic, or other governmental positions.

Cultural and Heritage Organizations

Graduates can work in cultural organizations, museums, heritage sites, or tourism departments, promoting Pakistani culture, heritage, and tourism. They can engage in curatorial work, event management, or heritage conservation.

Non-Profit and Development Organizations

Graduates can contribute to non-profit organizations, NGOs, or development agencies working on projects related to Pakistani society, culture, or social issues. They can participate in social development initiatives and community engagement.

International Relations

Graduates can work in organizations involved in international relations, diplomacy, or global affairs. They can contribute to policy analysis, international organizations, or diplomatic missions related to Pakistan.

Further Education and Research

Graduates can pursue advanced degrees, such as Master's or PhD, in Pakistan Studies, history, political science, or related fields. They can enter academia or research institutions, conducting research and publishing scholarly work.

Note: The content for the next BS program after completing the one would depend on the specific program and its relation to the previous degree. Could you please specify the next BS program you would like me to provide information about?

ADMISSION CRITERIA

A minimum qualification of F.A/F.Sc (12 Years of Education) is required for admission. ICBS entry test with qualifying marks 50%.

SCHEME OF STUDIES - BS PAKISTAN STUDIES

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
CC/Isl-101/ CC/Phil-101	Islamic Education/Ethics (For Non-Muslims)	2(2+0)
CC/Maths-101/ CC/Stat-101	Mathematics / Introduction to Statistics **(Choose Any One)**	3(3+0)
Maj/Pak-St-101	Muslim Nationalism in South Asia (1857-1920)	3(3+0)
Min/Edu-101 Min/HPE-101 Min/Isl.St-101	Foundation of Education Physical Education Al-Quran **(Choose Any One)**	3(3+0)
Min/SW-101 Min/Eng-101 Min/Urdu-101	Introduction to Social Work & Sociological Concepts English Literature-I Urdu Sharou Adab-I **(Choose Any One)**	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading & Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
EC/CS-101	Introduction to Computer	3(3+0)
Maj/Pak-St-102	Muslim Nationalism in South Asia (1920-1947)	3(3+0)
Min/Edu-102 Min/HPE-102 Min/Isl.St-102	Foundation of Education Health & Physical Education Al-Quran (Minor) **(Choose Any One)**	3(3+0)
Min/SW-102 Min/Eng-102 Min/Urdu-102	Basic Methods of Social Work English Literature-II Urdu Sharou Adab-II **(Choose Any One)**	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS PAKISTAN STUDIES

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
Maj/Pak-St.201	Society and Culture: Conceptual Frame work	3(3+0)
Maj/Pak-St.202	Physical Geography of Pakistan	3(3+0)
Maj/Pak-St.203	Political System in Pakistan-I	3(3+0)
Maj/Pak-St.204	Human Rights in Pakistan	3(3+0)
Min/Edu-201 Min/HPE-201 Min/Isl.St-201	Foundation of Education Health & Physical Education Hadith, Fiqh & Islamic History	3(3+0)
Min/S.W-201 Min/Eng-201 Min/Urdu-201	Social Development of Pakistan English Literature-III Urdu Sharou Adab-III **(Choose Any One)**	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -VI

Course No	Course Title	Credit Hours
CC/Eng-202	Advance Academic Reading & Writing	3(3+0)
Maj/Pak-St-205	Patterns of Pakistani Society and Culture	3(3+0)
Maj/Pak-St-206	Human Geography of Pakistan	3(3+0)
Maj/Pak-St-207	Political System in Pakistan-II	3(3+0)
Maj/Pak-St-208	Legal System in Pakistan	3(3+0)
Min/Edu-202 Min/HPE-202 Min/Isl.St-202 Min/SW-202 Min/Eng-202 Min/Urdu-202	Foundation of Education Health & Physical Education Hadith, Fiqh & Islamic History Secondary Methods & Fields of Social Work English Literature-IV Urdu Shorau Adab-IV **(Choose Any One)**	3(3+0) 3(3+0) 3(3+0) 3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS PAKISTAN STUDIES

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Pak-St-301	Constitutional and Political Development in Pakistan-I	3(3+0)
Maj/Pak-St-302	Foreign Policy of Pakistan-I	3(3+0)
Maj/Pak-St-303	Regional Language (Any One)	3(3+0)
EC/Pak.St-301	Local Government in Pakistan-I	3(3+0)
EC/Pak.St-302	Pakistan and SAARC	3(3+0)
	Total Credits	**15**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Pak-St-304	Constitutional and Political Development in Pakistan-II	3(3+0)
Maj/Pak-St-305	Foreign Policy of Pakistan-II	3(3+0)
Maj/Pak-St-306	Research Methodology	3(3+0)
EC/Pak.St-303 EC/Pak.St-304	History of Province Iqbaliyat **(Choose Any One)**	3(3+0)
EC/Pak.St-305	Local Governments in Pakistan-II	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS PAKISTAN STUDIES

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/Pak-St-401	Economy of Pakistan-I	3(3+0)
Maj/Pak-St-402	Mass Media (Conceptual Framework of Communication)	3(3+0)
EC/Pak.St-401	Political Parties and Pressure Groups in Pakistan	3(3+0)
EC/Pak.St-402	Civil and Military Bureaucracy in Pakistan	3(3+0)
EC/Pak-St-403	Extremism in Pakistan	3(3+0)
	Total Credits	**15**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/Pak-St-403	Economy of Pakistan-II	3(3+0)
Maj/Pak-St-404	Internship/Dissertation**	6
EC/Pak-St-404	Public Opinion and Elections in Pakistan	3(3+0)
EC/Pak-St-405	Mass Media in Pakistan	3(3+0)
	Total Credits	**15**

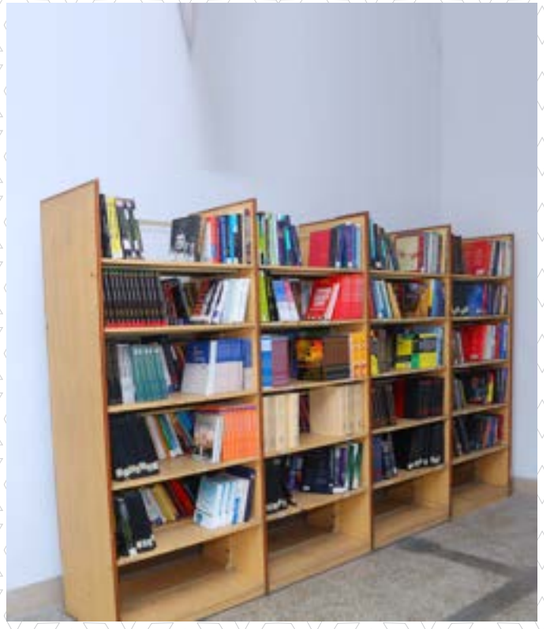
Total Hours:
17+17+18+18+15+15+15+15=130 CR

BS OF URDU

Urdu alone is spoken by about sixty million people in Pakistan and India, but because informal spoken Urdu is mutually intelligible with Hindi and together they are considered the fourth most-spoken language on earth, a knowledge of the Urdu language will allow you to converse comfortably with almost five hundred. Urdu is one of the cultural languages which has a rich literature and has familiarity with Hindi, Punjabi, Persian, Turkish, and Sanskrit. Learning Urdu can give better exposure to an individual for knowing other mentioned languages as well.

MISSION STATEMENT

To equip the students with the National Language of Pakistan and promote the Urdu Language.



PROGRAM OVERVIEW

Urdu Language and Grammar

Students learn the fundamentals of the Urdu language, including its phonetics, syntax, morphology, and vocabulary. They develop proficiency in reading, writing, and speaking Urdu.

Urdu Literature

The curriculum includes the study of Urdu literature from various periods, including classical and contemporary works. Students analyze renowned Urdu poets, authors, and their literary contributions.

Urdu Poetry and Prose

Students delve into the rich tradition of Urdu poetry and prose, exploring different genres such as Ghazal, Nazm, Marsiya, and novel. They develop skills in understanding and interpreting Urdu literary texts.

Urdu Linguistics

Students study the linguistic aspects of Urdu, including its historical development, sociolinguistics, and regional variations. They explore the relationship between language and culture.

Literary Criticism

The program introduces students to the theories and methodologies of literary criticism in Urdu literature. They learn to analyze and evaluate literary works from a critical perspective.

APPROVED BY Higher Education Commission

CAREER SCOPE

Teaching

Graduates can pursue careers as Urdu language teachers at schools, colleges, or language institutes. They can teach Urdu grammar, literature, and language skills to students of various levels.

Writing and Journalism

Graduates can work as Urdu content writers, columnists, editors, or scriptwriters in print, broadcast, or online media organizations. They can contribute to literary magazines, newspapers, television, or radio stations.

Translation and Interpretation

Graduates can work as Urdu translators or interpreters in government organizations, multinational companies, or international conferences. They can help bridge the language gap and facilitate effective communication.

Publishing

Graduates can find employment in publishing houses, especially those focused on Urdu literature and books. They can work as editors, proofreaders, or translators for Urdu publications.

Cultural Organizations

Graduates can work in cultural organizations, Urdu academies, or literary societies, contributing to the promotion of Urdu language and literature by organizing literary events, seminars, and workshops.

Research and Academia

Graduates can pursue advanced degrees, such as Master's or PhD, to specialize in Urdu language, literature, or linguistics. They can work in universities, research institutions, or think tanks as researchers, scholars, or professors.

ADMISSION CRITERIA

A minimum qualification of F.A/F.Sc is required for admission. ICBS entry test with qualifying marks 50%.

SCHEME OF STUDIES - BS URDU

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
CC/Isl-101/ CC/Phil-101	Islamic Education/Ethics (For Non-Muslim)	2(2+0)
C/Pol-101	Introduction to Human Rights	3(3+0)
Maj/Urdu-101	Nasri Asnaaf - Taaruf-o-Tafheem	4(4+0)
Min/Pak.St-101 Min/Pol.Sc-101 Min/Isl.St-101	Ideological foundation of Pakistan (1853-1920) Introduction to Political Science Al. Quran-I **(Choose Any One)**	3(3+0)
Min/Edu-101 Min/HPE-101 Min/Phil-101 Min/SW-101	Educational Psychology-I Physical Education-I Pre-Socratic Thoughts-I Introduction & Basic Methods of Social Work **(Choose Any One)**	3(3+0)
	Total Credits	**18**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading & Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
C/Math-101	Mathematics	2(2+0)
Maj/Urdu -102	Sheri Asnaaf – Taaruf-o-Tafheem	4(4+0)
Min/Pak.St-102 Min/Pol.Sc-102 Min/Isl.St-102	Ideological foundation of Pakistan (1853-1920) Fundamentals of Political Science Al. Quran-II **(Choose Any One)**	3(3+0)
Min/Edu-102 Min/HPE-102 Min/Phil-102 Min/SW-102	Educational Psychology-II Health Education-I Three Major Greek Philosophers-I Society and Social Change **(Choose Any One)**	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS URDU

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng -201	Communication Skills	3(3+0)
CC/CS-101	Introduction to Computer	4(3+1)
Maj/Urdu-201	Nasri Adab – I	4(4+0)
Maj/Urdu-202	Urdu ki Mazahiya Shaeri	4(4+0)
Min/Pak.St-201 Min/Pol.Sc-201 Min/Phil-201 Min/SW-201 Min/Isl.St-201 Min/Edu-201 Min/HPE-201	Patterns of Society and Culture The Comparative Constitution (Developed) Classical Muslim Philosophy-I Social Development of Pakistan Hadeeth, Fiqh aur Tareekh-e-Islam-I Educational Psychology-III Physical Education-II **(Choose Any One)**	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
CC/Eng-202	Advance Academic Reading & Writing	3(3+0)
CC/Stat-101	Introduction to Statistics	3(3+0)
Maj/Urdu-203	Nasri Adab – II	4(4+0)
Maj/Urdu-204	Urdu ki Mazahiya Nasr	4(4+0)
Min/Pak.St-202 Min/Pol.Sc-202 Min/Phil-202 Min/SW-202 Min/Isl.St-202 Min/Edu-202 Min/HPE-202	Patterns of Pakistan Society and Culture The Comparative Constitution (Developing) Classical Muslim Philosophy-II Secondary Methods and Fields of Social Work Hadeeth, Fiqh aur Tareekh-e-Islam-II Educational Psychology-IV Health Education-II **(Choose Any One)**	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS URDU

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/Urdu-301	Urdu Zuban-Qawaed-o-Imla	3(3+0)
Maj/Urdu-302	Meer ka Khasoosi Mutaleah	3(3+0)
Maj/Urdu-303	Tareekh-e-Adab-e-Urdu (Ibtada sy Fort William College tak)	3(3+0)
Maj/Urdu-304	Urdu Ghazal ka Fikri-o-Fanni Mutaleah	3(3+0)
Maj/Urdu-305	Afsaanvi Adab	3(3+0)
	Total Credits	**15**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/Urdu-306	Adabi Istalahaat	3(3+0)
Maj/Urdu-307	Ghalib ka Khasoosi Mutaleah	3(3+0)
Maj/Urdu-308	Tareekh-e-Adab-e-Urdu (1857 se ta Haal)	3(3+0)
Maj/Urdu-309	Urdu Zuban-Tashkeel-o-Irtiqa	3(3+0)
Maj/Urdu-310	Urdu Nazm-Rivayat	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS URDU

YEAR -IV — Semester -VII

Course No	Course Title	Credit Hours
Maj/Urdu-401	Mutaleah-e-Iqbal Ma'a Urdu Matn	3(3+0)
Maj/Urdu-402	Tahqeeq-oTadveen	3(3+0)
Maj/Urdu-403	Urdu Nazm – Tajri	3(3+0)
Maj/Urdu-404	baatUrdu Novel-Beesvin Sadi mia	3(3+0)
Maj/Urdu-405	Urdu Tanqeed ki Mashriqi Rivayat	3(3+0)
	Total Credits	**15**

YEAR -IV — Semester -VIII

Course No	Course Title	Credit Hours
Maj/Urdu-406	Urdu Tanqeek ki Maghrabi Rivayat	3(3+0)
Maj/Urdu-407	Tarjuma – Rivayat-o-Funn	3(3+0)
Maj/Urdu-408	Mutaleah-e-Iqbal Ma'a Farsi Matn	3(3+0)
Maj/Urdu-409	Research Thesis**	6
	Total Credits	**15**

Total Hours:
18+17+18+17+15+15+15+15=130 CR

BS ISLAMIC STUDIES

Islamic studies give them the knowledge and skills they're seeking. “Students develop the ability to express the knowledge they have gained. They also develop their communication, analytical and writing skills, which is a very important part of their growth.

MISSION STATEMENT

The mission of the Department of Islamic Studies will study, the origins of the Qur'an, its overall structure and content, major themes, approaches to its interpretation, and its function in Muslim religious, social, cultural and political life.

APPROVED BY Higher Education Commission

PROGRAM OVERVIEW

Quranic Studies

Students engage in a detailed study of the Quran, its interpretation, and its relevance to various aspects of life. They develop skills in understanding Arabic texts and analyzing Quranic verses in their historical and literary context.

Hadith Studies

Students explore the collection, verification, and interpretation of Hadith literature. They study the life of the Prophet Muhammad (peace be upon him) and the traditions attributed to him, understanding their authenticity, classifications, and significance in Islamic law and spirituality.

Islamic Law and Jurisprudence

The study of Islamic law (Shariah) introduces students to the principles and methodologies of Islamic jurisprudence. They learn about the different schools of Islamic law and their application in various aspects of personal, family, and societal life.

Comparative Religion

Students gain knowledge about major world religions, their beliefs, practices, and comparative analysis with Islam. They develop a broader understanding of religious diversity and interfaith dialogue.

Research and Academic Writing

The program may include research-based courses that encourage students to conduct independent research, write scholarly papers, and critically analyze academic literature in the field of Islamic studies.

CAREER SCOPE

Education and Teaching

Many graduates find employment in educational institutions as teachers or instructors of Islamic studies. They can work in schools, colleges, Islamic seminaries, or institutions dedicated to religious education.

Research and Academia

Graduates can pursue advanced degrees, such as Master's or PhD, and contribute to academic research in Islamic studies. They may become researchers, scholars, or professors in universities, research institutes, or think tanks.

Religious Counseling

Graduates can work as religious counselors, providing guidance and support to individuals and communities on matters related to Islamic beliefs, spirituality, and ethical dilemmas.

Islamic Finance and Banking

With an understanding of Islamic principles of finance, graduates can find opportunities in Islamic banks, financial institutions, or investment firms that operate in accordance with Shariah-compliant financial practices.

Publishing and Media

Graduates can work in publishing houses or media organizations, contributing to the development and dissemination of Islamic literature, magazines, websites, or television programs related to Islamic teachings and culture.

Interfaith Dialogue and Outreach

Graduates can engage in interfaith dialogue initiatives, promoting understanding and cooperation among people of different religious backgrounds. They may work for non-profit organizations or religious peacebuilding initiatives.

Islamic Centers and Mosques

Graduates can serve in Islamic centers, mosques, or community organizations, conducting religious services, leading prayers, organizing educational programs, and providing community leadership.

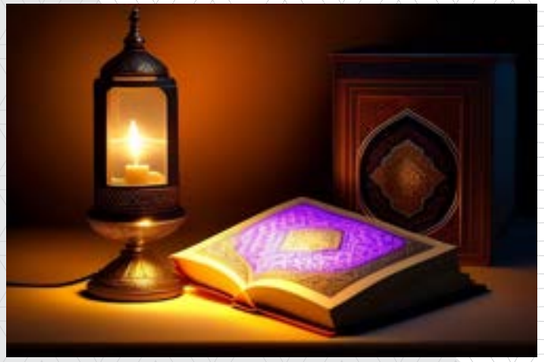
Cultural and Heritage Preservation

Graduates can work in organizations dedicated to preserving and promoting Islamic heritage, art, and architecture. They may contribute to museum curations, cultural events, or heritage conservation initiatives.

It's important to note that many careers in Islamic studies may require additional qualifications, such as specialized certifications, theological training, or further education. Graduates should also stay updated with contemporary issues and developments within the Islamic world to enhance their career prospects.

ADMISSION CRITERIA

A minimum qualification of F.A/F.Sc is required for admission. ICBS entry test with qualifying marks 50%.



SCHEME OF STUDIES - BS ISLAMIC STUDIES

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
CC/Isl-101 / CC/Phil-101	Islamic Education/Ethics (For Non-Muslims)	2(2+0)
EC/CS-201	Introduction to Computer	3(2+1)
Maj/Isl.St-101	Al-Quran-I	3(3+0)
Maj/Isl.St-102	Arabic Language & Literature-I	3(3+0)
Min/Eco-101 Min/Per-101 Min/Psy-101 Min/Pol.Sc-101 Min/Urdu-101	Micro Economics-I Persian Literature & Grammar-I Element of Psychology-I Introduction to Political Science-I Urdu Sher-o-Adab-I **(Choose Any One)**	3(3+0)
	Total Credits	**17**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading & Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
CC/Math-101	Compulsory Mathematics	3(3+0)
Maj/Isl.St-103	Al-Hadith-I	3(3+0)
Maj/Isl.St-104	Arabic Language & Literature –II	3(3+0)
Min/Eco-102 Min/Per-102 Min/Psy-102 Min/Pol.Sc-102 Min/Urdu-102	Micro Economics-II Persian Literature & Grammar-II Element of Psychology-II Introduction to Political Science-II Urdu Sher-o-Adab-II **(Choose Any One)**	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ISLAMIC STUDIES

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
CC/Eng-201	Communications Skills	3(3+0)
Maj/Isl.St-201	Al-Quran-II	3(3+0)
Maj/Isl.St-202	Al-Hadith-II	3(3+0)
Maj/Isl.St-203	Arabic Laguage & Literature-III	3(3+0)
Maj/Isl.St-204	Seerat un Nabi (S.A.W)	3(3+0)
	Total Credits	**15**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
CC/Eng-202	Advance Academic Reading & Writing	3(3+0)
CC/Phil-201	Islam & Philosophy	3(3+0)
Maj/Isl.St-205	Al-Quran –III	3(3+0)
Maj/Isl.St-206	Al-Fiqh	3(3+0)
Maj/Isl.St-207	Arabic Language & Literature-IV	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS ISLAMIC STUDIES

YEAR -III — Semester -V

Course No	Course Title	Credit Hours
Maj/Isl.St-301	Uloom-ul-Quran	3(3+0)
Maj/Isl.St-302	Uloom-ul-Hadith	3(3+0)
Maj/Isl.St-303	Islam & Modern Political Thought	3(3+0)
Maj/Isl.St-304	History of Islam-I	3(3+0)
Maj/Isl.St-305	Arabic Language & Literature-V	3(3+0)
	Total Credits	**15**

YEAR -III — Semester -VI

Course No	Course Title	Credit Hours
Maj/Isl.St-306	Al-Quran-IV	3(3+0)
Maj/Isl.St-307	Al-Hadith-III	3(3+0)
Maj/Isl.St-308	Islam & Modern Social Thought	3(3+0)
Maj/Isl.St-309	History of Islam-II	3(3+0)
Maj/Isl.St-310	Arabic Language & Literature-VI	3(3+0)
Maj/Isl.St-311	Research Methodology	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ISLAMIC STUDIES

YEAR -III — Semester -VII

Course No	Course Title	Credit Hours
Maj/Isl.St-401	Al-Fiqh-ul-Islami wa Uloomuhu	3(3+0)
Maj.Isl.St-402	Comparative Study of Religions(Semitic)	3(3+0)
Maj/Isl.St-403	Islam & Modern Economic Thought-I	3(3+0)
Maj/Isl.St-404	Tareekh-e-Dawat	3(3+0)
EC/Isl.St-401** EC/Isl.St-402 EC/Isl.St-403	Islam & Science Islam & Tasawwuf Ilm-ul-Kalam & Mutakallimeen **(Choose Any One)**	3(3+0)
EC/Isl.St-404** EC/Isl.St-405 EC/Isl.St-406	Muslim World-Resources & Problems Maqasid-e-Shariah Fiqh-ul-Quran **(Choose Any One)**	3(3+0)
	Total Credits	**18**

YEAR -III — Semester -VIII

Course No	Course Title	Credit Hours
Maj/Isl.St-405	Al-Fiqh-ul-Islami	3(3+0)
Maj/Isl.St-406	Comparative Study of Religions (Non-Semitic)	3(3+0)
Maj/Isl.St-407	Islam & Modern Economic Thought-II	3(3+0)
Maj/Isl.St-408	Dawat-O-Irshaad	3(3+0)
Maj/Isl.St-409	Research Thesis/Internship Report*	6
	Total Credits	**18**

Total Hours:
17+17+15+15+15+18+18+18=133 CR

BS ECONOMICS

The Department Economics has two goals:
To train students at the undergraduate and graduate level in the methods and ideas of modern economics, and to conduct both basic and applied research in economics that pushes forward the frontier of knowledge in the field.

MISSION STATEMENT

He primary mission of the Department of Economics at ICBS is to provide a high-quality education in economics and financial economics to future leaders of industry, government and civil society.

At the core of our education is a commitment to academic excellence and lifelong learning. Our vision is the preparation of students capable of critical thinking and independent analysis for living their lives of responsibility, leadership and service. The faculty members in the Department of Economics emphasize excellence in teaching through continuous professional development and high-quality scholarship.

APPROVED BY Higher Education Commission

PROGRAM OVERVIEW

Core Courses

The BS Economics curriculum includes core courses covering microeconomics (individual economic behavior), macroeconomics (aggregate economic behavior), econometrics (statistical analysis of economic data), economic theory, mathematical economics, and applied economics.

Quantitative Skills

Economics involves extensive quantitative analysis and modeling. Students learn statistical methods, mathematical tools, and data analysis techniques to examine economic data, conduct research, and make informed predictions and policy recommendations.

Electives and Concentrations

Many BS Economics programs offer a range of elective courses and concentrations to allow students to specialize in specific areas of interest. Common concentrations include international economics, financial economics, development economics, environmental economics, and public policy.

Research and Analysis

Students are often required to undertake research projects and write research papers on economic topics. This fosters critical thinking, analytical skills, and the ability to apply economic theories to real-world scenarios.

Internships and Practical Experience

Some programs may provide opportunities for internships or cooperative education experiences, allowing students to gain practical exposure to economic analysis, research, or policy-related work in government agencies, research institutes, or private organizations.

CAREER SCOPE

Banking and Finance

Many graduates find employment in banks, financial institutions, and investment firms. They can work in areas such as financial analysis, risk management, investment banking, financial consulting, or asset management.

Government and Public Sector

Economics graduates can work in government agencies, central banks, or ministries, providing economic analysis and contributing to policy-making. They may be involved in areas such as economic development, public finance, trade policy, or regulatory bodies.

Consulting

Economics graduates can work in consulting firms, offering economic analysis, market research, and strategic advice to businesses, non-profit organizations, or government clients. They may assist in market forecasting, economic impact assessment, or policy evaluation.

Research and Think Tanks

Graduates can pursue careers in economic research institutes or think tanks, conducting research on various economic issues, analyzing data, and publishing reports and policy briefs. They may contribute to academic research or provide policy recommendations.

International Organizations

Economics graduates can work for international organizations such as the World Bank, International Monetary Fund (IMF), United Nations (UN), or regional development banks. They may be involved in research, economic analysis, or development projects.

Data Analysis and Market Research

Graduates can apply their analytical and statistical skills in data analysis roles. They can work in market research firms, data analytics companies, or in-house research departments, providing insights and forecasts for business decisions.

Entrepreneurship and Business

Economics graduates with an entrepreneurial mindset can start their own businesses or work in startups. Their understanding of market dynamics and economic principles can help in business planning, market entry strategies, or financial analysis.

Academia and Teaching

Some graduates choose to pursue advanced degrees and enter academia. They can become economists, researchers, or professors, teaching and conducting economic research at universities or research institutions.

Economics graduates possess valuable skills in critical thinking, problem-solving, data analysis, and policy analysis, which are sought after in various industries. They can adapt to roles that require economic analysis, research, and decision-making in both the public and private sectors.

ADMISSION CRITERIA

The students of General Science, F.Sc (Pre-medical/Pre-engineering), ICS (Physics/ Economics/ Statistics), I.Com and F.A with Economics & A-level with economics are eligible to apply.

SCHEME OF STUDIES - BS ECONOMICS

YEAR -I **Semester -I**

Course No	Course Title	Credit Hours
CC/Eng-101	Language in Use	3(3+0)
CC/Isl-101/ CC/Phil-101	Islamic Education/ Ethics (For Non Muslim)	2(2+0)
EC/Eco-101	Introduction to Computers	3(2+1)
Maj/Eco-101	Introduction to Microeconomics	3(3+0)
Min/Stat-101	Introductory Statistics	4(3+1)
Min/Math-101 Min/Psy-101 Min/Pol.Sc-101 Min/SW-101	Elementary Differential Calculus and Integral Calculus Elements of Psychology-I Introduction to Political Science Introduction and Basic Methods of Social Work **(Choose Any One)**	3(3+0)
Min/MC-101*	Introduction to Communication and Journalism	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ECONOMICS

YEAR -I **Semester -II**

Course No	Course Title	Credit Hours
CC/Eng-102	Academic Reading & Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
Maj/Eco-102	Introduction to Macroeconomics	3(3+0)
Maj/Eco-103	Basic Mathematical Economics	3(3+0)
Min/Stat-102	Introduction to Probability Distribution	4(3+1)
Min/Math-102 Min/Psy-102 Min/Pol.Sc-102 Min/SW-102	Complex Number and Analytical Geometry Elements of Psychology-II Fundamentals of Political Science Society and Social Change **(Choose Any One)**	3(3+0)
Min/MC-102*	Introduction to News Writing Techniques	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ECONOMICS

YEAR -II **Semester -III**

Course No	Course Title	Credit Hours
CC/Eng-201	Communication Skills	3(3+0)
Maj/Eco-201	Intermediate Microeconomics	3(3+0)
Maj/Eco-202	Statistical Inference for Social Sciences	3(3+0)
Maj/Eco-203	Mathematical Economics-I	3(3+0)
Min/MC-201	Introduction to Communication and Mass Media	3(3+0)
Min/Math-201 Min/SW-201 Min/Psy-201 Min/Pol.Sc-201	Three Dimensional Analytical Geometry and Differential Social Development of Pakistan Psychology of Adjustment The Comparative Constitutions: Developed **(Choose Any One)**	3(3+0)
Min/MC-201*	Introduction to Electronic Media	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ECONOMICS

YEAR -II **Semester -IV**

Course No	Course Title	Credit Hours
CC/ Eng-202	Advanced Academic Reading and Writing	3(3+0)
Maj/Eco-204	Intermediate Macroeconomics	3(3+0)
Maj/Eco-205	Research Methodology	3(3+0)
Maj/Eco-206	Computer Application in Economics	3(3+0)
EC/Eco-201	Islamic Economics	3(3+0)
Min/Math-202 Min/SW-202 Min/Psy-202 Min/Pol.Sc-202	Infinite Series and Linear Algebra Secondary Methods and Fields of Social Work Organizational and Social Psychology The Comparative Constitutions: Developing **(Choose Any One)**	3(3+0)
Min/MC-202*	Media and Information Literacy	3(3+0)
	Total Credits	**18**

SCHEME OF STUDIES - BS ECONOMICS

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Eco-301	Microeconomics Analysis	3(3+0)
Maj/Eco-302	Macroeconomics Analysis	3(3+0)
Maj/Eco-303	Development Economists	3(3+0)
Maj/Eco-304	Mathematical Economics-II	3(3+0)
EC/Eco-301	Managerial Economics	3(3+0)
	Total Credits	**15**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Eco-305	Econometrics-I	3(3+0)
Maj/Eco-306	International Economics-I	3(3+0)
Maj/Eco-307	Monetary Economics	3(3+0)
EC/Eco-303	Public Finance	3(3+0)
EC/Eco-304	History of Economic Thought	3(3+0)
	Total Credits	**15**

SCHEME OF STUDIES - BS ECONOMICS

YEAR IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/Eco-401	Econometrics-II	3(3+0)
Maj/Eco-402	International Economics-II	3(3+0)
Maj/Eco-403	Current Issues in Pakistan's Economy	3(3+0)
Maj/Eco-404	Research Project/Internship Report **	06
EC/Eco-401	Project Analysis with Reference to Pakistan	3(3+0)
	Total Credits	**18**

YEAR -IV

Semester -VI

Course No	Course Title	Credit Hours
Maj/Eco-405	Econometrics-III	3(3+0)
EC/Eco-402	Development Policies	3(3+0)
EC/Eco-403	Human Resource Development	3(3+0)
EC/Eco-404	Political Economy	3(3+0)
	Total Credits	**12**

Total Hours:
18+18+18+18+15+15+18+12=132 CR

BS ARCHITECTURE

The roots of architecture exist to create the physical environment in which people live, but architecture is more than just the built environment, it's also a part of our culture. It stands as a representation of how we see ourselves, as well as how we see the world. As populations and sea levels rise, architecture holds the key to the future of living on our planet. Architecture is the solution to poverty, overcrowding, and land depletion. New technology in the field of architecture will ensure humans can in fact still live on earth.

MISSION STATEMENT

Architecture influences our society and culture; the history of architecture bridges the gap between the bygone eras and the present day. Since the beginning of time, each civilization of different eras formed its unique style based on its religious beliefs, philosophies, and social needs.

APPROVED BY Higher Education Commission

PROGRAM OVERVIEW

Practical Training

Many B.Arch programs in Pakistan include mandatory practical training or internships to provide students with real-world exposure and experience in the architectural industry. Students may be required to complete a certain number of weeks or months working with architectural firms or construction companies.

Thesis Project

In the final year of the program, students typically undertake a thesis project. This project involves an in-depth exploration of a specific architectural topic or problem, where students are required to conduct research, develop design proposals, and present their findings and recommendations.

Workshops and Seminars

Throughout the program, students may have the opportunity to participate in workshops, seminars, and guest lectures conducted by industry professionals and renowned architects.

Accreditation

It is important to note that the Pakistan Council of Architects and Town Planners (PCATP) is the regulatory body responsible for the accreditation of architecture programs in Pakistan. Students should ensure that the institution they choose is recognized and accredited by PCATP to meet professional standards and requirements.

Upon successful completion of the Bachelor of Architecture degree program, graduates can pursue a variety of career paths in the field of architecture. They may work as architects, urban planners, interior designers, construction project managers, or may choose to pursue advanced degrees such as a Master's in Architecture for further specialization or academic research.

CAREER SCOPE

Architectural Firms

Many graduates work in architectural firms, where they contribute to designing and planning residential, commercial, institutional, and public buildings. They collaborate with clients, engineers, and construction teams to bring architectural projects to life.

Urban Planning and Development

Architecture graduates can work in urban planning and development departments, contributing to the design and development of cities and communities. They may be involved in creating master plans, designing public spaces, and ensuring sustainable development.

Construction and Real Estate

Graduates can join construction companies or real estate firms as architectural consultants. They may be responsible for designing and overseeing construction projects, ensuring compliance with regulations, and optimizing the use of space.

Interior Design

Architecture graduates with a keen interest in interior design can work in interior design firms or start their own businesses. They specialize in creating functional and aesthetically pleasing interior spaces for residential, commercial, or hospitality projects.

Government and Public Sector

Graduates can explore opportunities in government departments, such as housing and development authorities, where they contribute to urban planning, policy development, and infrastructure projects.

Teaching and Research

Some graduates choose to pursue a career in academia and research. They can join universities as faculty members, contribute to architectural research, and mentor the next generation of architects.

Entrepreneurship

Architecture graduates with an entrepreneurial spirit can establish their own architectural firms or design studios. They can undertake independent projects, collaborate with other professionals, and build a portfolio of diverse architectural work.

It's important to note that gaining practical experience, networking, and staying updated with the latest industry trends and technologies can significantly enhance career prospects for architecture graduates in Pakistan.

ADMISSION CRITERIA

F.Sc (Pre- Engineering/Pre-Medical)/ A Level (Pre-Engineering / Intermediate with Physics, Mathematics and Computer Science with Minimum 45 % marks.
ICBS entry test with qualifying marks 50%.

SCHEME OF STUDIES - BS ARCHITECTURE

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/Isl-101/ CC/Phil-101	Islamic Education Ethics (For Non-Muslims)	2(2+0)
CC/Eng-103	Functional English-I	3(3+0)
Maj/Arch-101	Basic Design-I	6(0+6)
Maj/Arch-121	History & Theory of Arch-I	2(2+0)
Maj/Arch-131	Visual communications/Drawing-I	4(0+4)
Maj/Arch-141	Comp. Applications in Arch-I	2(2+0)
	Total Credits	**19**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
CC/Eng-104	Technical Report Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
Maj/Arch-102	Basic Design-II	6(0+6)
Maj/Arch-122	History & Theory of Arch-II	2(2+0)
Maj/Arch-132	Visual Communications/Drawing-II	4(0+4)
Maj/Arch-111	Materials & Construction Systems-I	3(1+2)
	Total Credits	**20**

SCHEME OF STUDIES - BS ARCHITECTURE

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/Arch-201	Arch. Design-I	6(0+6)
Maj/Arch-202	Visual Communication-III	2(0+2)
Maj/Arch-203	History & Theory of Architecture-III	2(2+0)
Maj/Arch-204	Structural Systems-I	2(2+0)
Maj/Arch-205	Environmental Control Systems-I	2(2+0)
Maj/Arch-206	Materials & Construction-II	3(1+2)
Maj/Arch-207	Surveying & leveling	2(1+1)
	Total Credits	**19**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
CC/Eng-202	Communication Skills	3(3+0)
Maj/Arch-208	Arch. Design-II	6(0+6)
Maj/Arch-209	Materials & Construction Systems-III	3(1+2)
Maj/Arch-210	History & Theory of Architecture-IV	2(2+0)
Maj/Arch-211	Visual Communication-IV	2(0+2)
Maj/Arch-212	Computer applications in Arch-II	2(1+1)
Maj/Arch-213	Structural systems-II	2(2+0)
	Total Credits	**20**

SCHEME OF STUDIES - BS ARCHITECTURE

YEAR -III

Semester -V

Course No	Course Title	Credit Hours
Maj/Arch-301	Arch. Design-III	6(6+0)
Maj/Arch-302	Structural Systems-III	2(2+0)
Maj/Arch-303	Materials & Construction Systems-IV	3(1+2)
Maj/Arch-304	Urban design-I	2(1+1)
Maj/Arch-305	Interior Design-I	2(0+2)
Maj/Arch-306	Environmental Control Systems-II	2(2+0)
Maj/Arch-307	Computer Application in Arch-III	2(1+1)
	Total Credits	**19**

YEAR -III

Semester -VI

Course No	Course Title	Credit Hours
Maj/Arch-308	Arch. Design-IV	6(0+6)
Maj/Arch-309	History & Theory of Architecture	2(2+0)
Maj/Arch-310	Landscape Architecture	2(1+1)
Maj/Arch-311	Materials & construction-V	3(1+2)
Maj/Arch-312	Interior Design-II	2(0+2)
Maj/Arch-313	Environmental Control Systems-III	2(2+0)
Maj/Arch-314	Environmental Psychology	2(2+0)
	Total Credits	**19**

SCHEME OF STUDIES - BS ARCHITECTURE

YEAR -IV

Semester -VII

Course No	Course Title	Credit Hours
Maj/Arch-401	Arch. Design-V	7(0+7)
Maj/Arch-402	Urban Design-II	2(1+1)
Maj/Arch-403	History & Theory of Architecture	2(2+0)
Maj/Arch-404	Materials & Construction-VI	3(1+2)
Maj/Arch-405	Landscape Architecture-II	2(0+2)
Maj/Arch-406	Business Management Studies	2(2+0)
Maj/Arch-407	Conservation & Adaptive Reuse	2(2+0)
	Total Credits	**20**

YEAR -IV

Semester -VIII

Course No	Course Title	Credit Hours
Maj/Arch-407	Arch. Design-VI	7(0+7)
Maj/Arch-408	Building Economics	2(2+0)
Maj/Arch-409	Research Methodology	2(2+0)
Maj/Arch-410	Real Estate Development	2(2+0)
Maj/Arch-411	Practice and Management	2(2+0)
EC/Arch-501	Elective-I	2(2+0)
	Total Credits	**17**

SCHEME OF STUDIES - BS ARCHITECTURE

YEAR -V

Semester -IX

Course No	Course Title	Credit Hours
Maj/Arch-501	Arch. Design-VII	6(0+6)
Maj/Arch-502	Thesis Design-I	5(0+5)
Maj/Arch-503	Sustainable Design-I	2(2+0)
EC/Arch-502	Elective-II	2(2+0)
	Total Credits	**15**

YEAR -V

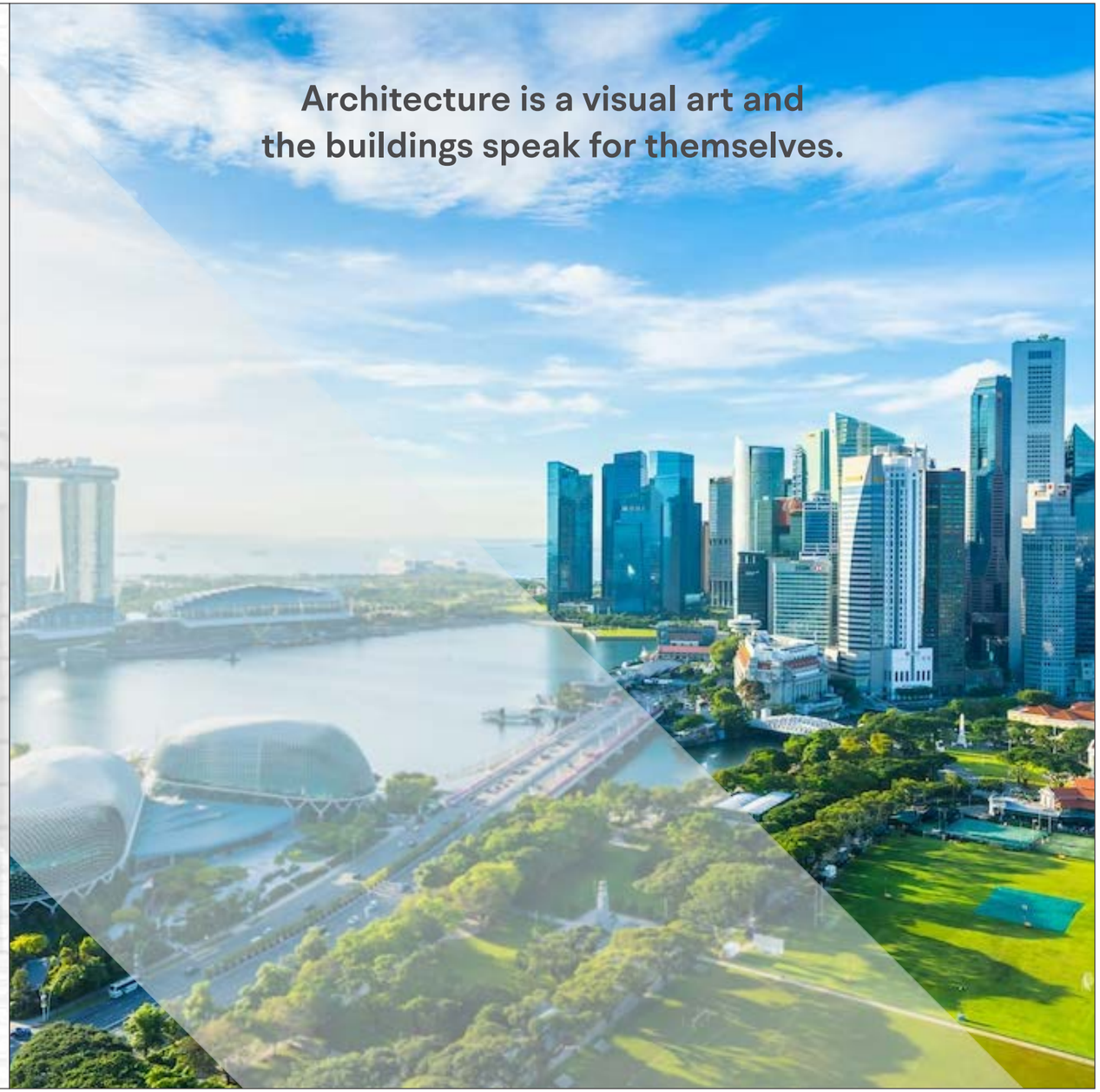
Semester -X

Course No	Course Title	Credit Hours
Maj/Arch-504	Thesis Design-II	10(0+10)
Maj/Arch-505	Sustainable Design Studies	2(2+0)
Maj/Arch-506	Structural System-IV (Studio Based)	2(2+0)
EC/Arch-503	Elective-III	2(2+0)
	Total Credits	**16**

Total Hours:

19+20+19+20+19+19+20+17+15+16 =184 CR

Note: At the end of the third year (after semesters VI) and fourth year, (after semesters VIII) the students are required to do compulsory internship or field studies for six weeks during summer vacations. B.Arch. degree shall be awarded only to those students who have completed a minimum of 12 week of internship, besides completing other requirement of the degree.



ASSOCIATE DEGREE PROGRAMS

DEPARTMENT OF ASSOCIATE DEGREE PROGRAMS

The associate degree in different subjects offered by the ICBS as a 2-years regular degree programs as mention below:

1. Associate Degree (AD) Program in Computer Science
2. Associate Degree (AD) Program in Business Administration
3. Associate Degree (AD) Program in Arts

These degree programs are offered with a combination of any two off areas from the available electives.

- Economics
- Urdu
- Art
- English
- Pakistan Studies
- Islamic Studies

It is 2-years degree programs (four semesters) which based on knowledge, skills and values. The award of 2-year associate degree be contingent upon completing a mandatory 3-month internship allocated to the student, following a presentation given by the student and submission of a report.

AWARD OF DEGREE

To be eligible for the award of Associate Degree in Arts, a student is required to earn prescribed 66 credit hours with a minimum Cumulative Grade Point Average (CGPA) of 2.00 out of 4.

PROGRAM OBJECTIVES

The objectives of the Associate Degree in Arts Program are:

- To provide students a broad base and academic foundation of multidisciplinary programs;
- To give students comprehensive knowledge in Arts subjects that is fairly sufficient to expose to different disciplines;
- To reflect a general understanding of the concepts and principles of selected areas of the study thus providing students an opportunity to decide the specialization fields for making professional choices

ADMISSION ELIGIBILITY CRITERIA

- Intermediate (Equivalent to 12 years of education)
- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad.

DURATION

It is two-years full time study program spread over four semesters. Each semester has at least 18 weeks duration for teaching and examinations etc.

ASSESSMENT OF STUDY PROGRAM

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The Mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

SCHEME OF STUDIES
(ASSOCIATE DEGREE IN COMPUTER SCIENCE)

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
Maj/CE-101	Introduction to Computing	3(2+1)
Maj/CS-102	Calculus and Analytical Geometry	3(3+0)
Maj/CS-103	Financial Accounting	3(3+0)
CC/Eng-103	Functional English	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (For Non-Muslim)	2(2+0) 2(2+0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/CS-104	Introduction to Programming	3(2+1)
Maj/CS-105	Digital Logic Design	3(2+1)
FC/CE-105	Calculus	3(3+0)
FC/Math-106	Discrete Mathematics & Linear Algebra	3(3+0)
FC/Eco-101	Economics	3(3+0)
CC/Eng-104	Business and Technical English Writing	2(2+0)
	Total Credits	**17**

SCHEME OF STUDIES
(ASSOCIATE DEGREE IN COMPUTER SCIENCE)

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/CS-201	Data Structures	3(3+0)
Maj/CS-202	Object Oriented Programming	3(3+0)
Maj/CS-203	Data Communication	3(3+0)
Maj/CS-204	Differential Equations	3(3+0)
Maj/CS-205	Circuit Theory	3(3+0)
Maj/CS-206	Statistics and Probability	3(3+0)
	Total Credits	**18**

YEAR -II

Semester -IV

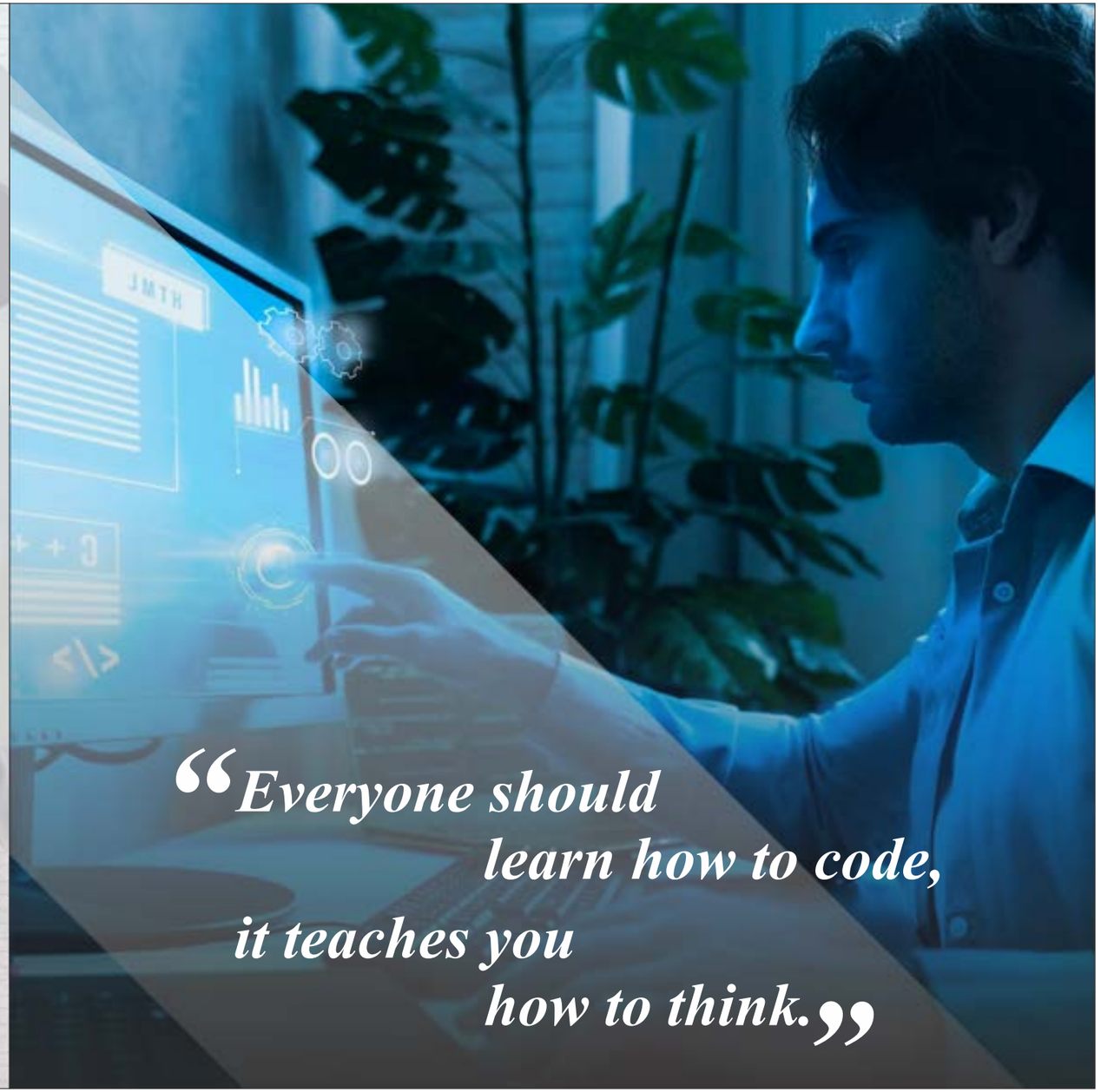
Course No	Course Title	Credit Hours
Maj/CS-207	Computer Architecture and Assembly Language Programming	3(3+0)
Maj/CS-208	Database Management Systems	3(3+0)
Maj/CS-209	Software Engineering	3(3+0)
Maj/CS-210	Computer Networks	3(3+0)
Maj/CS-211	Numerical Analysis	3(3+0)
CC/Phy-101	Physics	3(3+0)
	Total Credits	**17**

SCHEME OF STUDIES
(ASSOCIATE DEGREE IN COMPUTER SCIENCE)

SUMMER SEMESTER

Course No	Course Title	Credit Hours
Maj/CS-212	Internship (Mandatory - 03 Months)	6
	Total Credits	**6**

Total Hours:
16+17+18+17+6=74 CR



SCHEME OF STUDIES
ASSOCIATE DEGREE IN BUSINESS ADMINISTRATION

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/CS-101	Introduction to Computing	3(2+1)
Maj/BA-101	Financial Accounting	3(3+0)
Maj/BA-102	Business Mathematics & Statistics	3(3+0)
CC/Eng-103	Functional English	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (For Non-Muslim)	2(2+0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/BA-103	Introduction to Business	3(3+0)
Maj/BA-104	Principles of Marketing	3(3+0)
Maj/BA-105	Principles of Management	3(3+0)
FC/Soc-101	Introduction to Sociology	3(3+0)
FC/Stat-101	Statistics and Probability	3(3+0)
CC/Eng-104	Business and Technical English Writing	2(2+0)
	Total Credits	**17**

SCHEME OF STUDIES
ASSOCIATE DEGREE IN BUSINESS ADMINISTRATION

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
Maj/BA-201	Microeconomics	3(3+0)
Maj/BA-202	Introduction to Public Administration	3(3+0)
Maj/BA-203	Financial Accounting II	3(3+0)
Maj/BA-204	Strategic Management	3(3+0)
CC/Eng-201	Communication Skills	2(2+0)
	Total Credits	**17**

YEAR -II

Semester -IV

Course No	Course Title	Credit Hours
Maj/BA-205	Business Finance	3 (3+0)
Maj/BA-206	Macroeconomics	4 (4+0)
Maj/BA-207	E-Commerce	4 (3+1)
Maj/BA-208	Human Resource Management	4 (4+0)
Maj/BA-209	Organizational Behaviour	3 (3+0)
	Total Credits	**18**

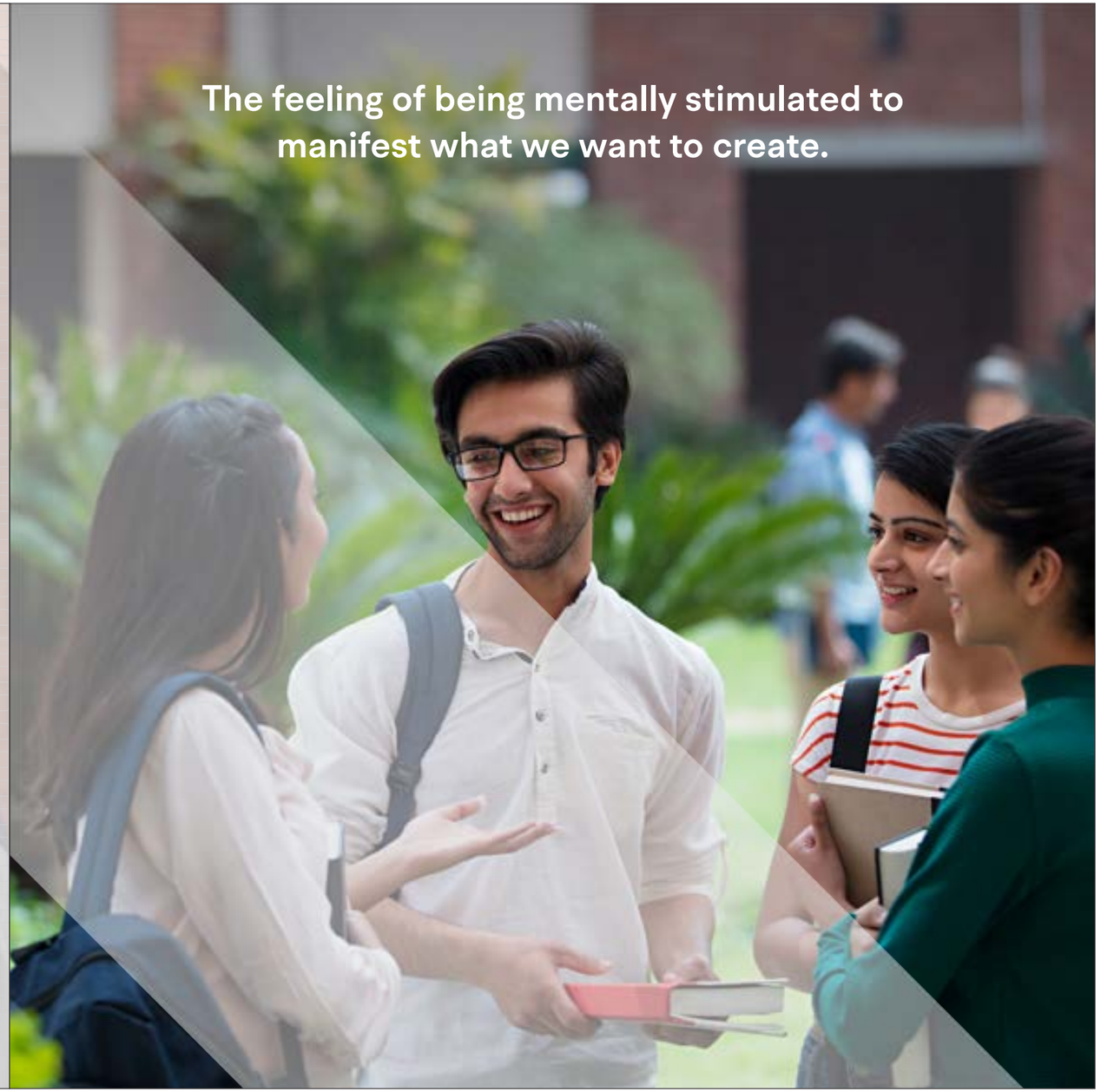
SCHEME OF STUDIES
ASSOCIATE DEGREE IN BUSINESS ADMINISTRATION

SUMMER SEMESTER

Course No	Course Title	Credit Hours
Maj/CS-212	Internship (Mandatory - 03 Months)	6
	Total Credits	**6**

Total Hours:
16+17+17+18+6=74 CR

The feeling of being mentally stimulated to manifest what we want to create.



SCHEME OF STUDIES - ASSOCIATE DEGREE IN ARTS

YEAR -I

Semester -I

Course No	Course Title	Credit Hours
CC/CS-101	Introduction to Computing	3(2+1)
Maj/Arts-101	Major – I	3(3+0)
Maj/Arts-102	Major – II	3(3+0)
CC/Eng-101	Academic Reading and Writing	3(3+0)
CC/PS-101	Pakistan Studies	2(2+0)
CC/Isl-101 CC/Phil-101	Islamic Studies Ethics (For Non-Muslim)	2(2+0)
	Total Credits	**16**

YEAR -I

Semester -II

Course No	Course Title	Credit Hours
Maj/Arts-103	Major – I	3(3+0)
Maj/Arts-104	Major – II	3(3+0)
Min/Arts-101	Minor – I	3(3+0)
Min/Arts-102	Minor – II	3(3+0)
CC/Math-101 CC/Stat-101	Basic Mathematics Basic Statistics **(Choose anyone)**	3(3+0)
CC/Eng-104	Business and Technical English Writing	2(2+0)
	Total Credits	**17**

SCHEME OF STUDIES - ASSOCIATE DEGREE IN ARTS

YEAR -II

Semester -III

Course No	Course Title	Credit Hours
SP/Arts-201	Special Course related to skill offered in 4th semester	3(3+0)
Maj/Arts-201	Major – I	3(3+0)
Maj/Arts-202	Major – II	3(3+0)
SP/Arts-202	Humanity Base Course	3(3+0)
CC/Eng-201	Communication Skills	2(2+0)
	Total Credits	**14**

YEAR -II

Semester -IV

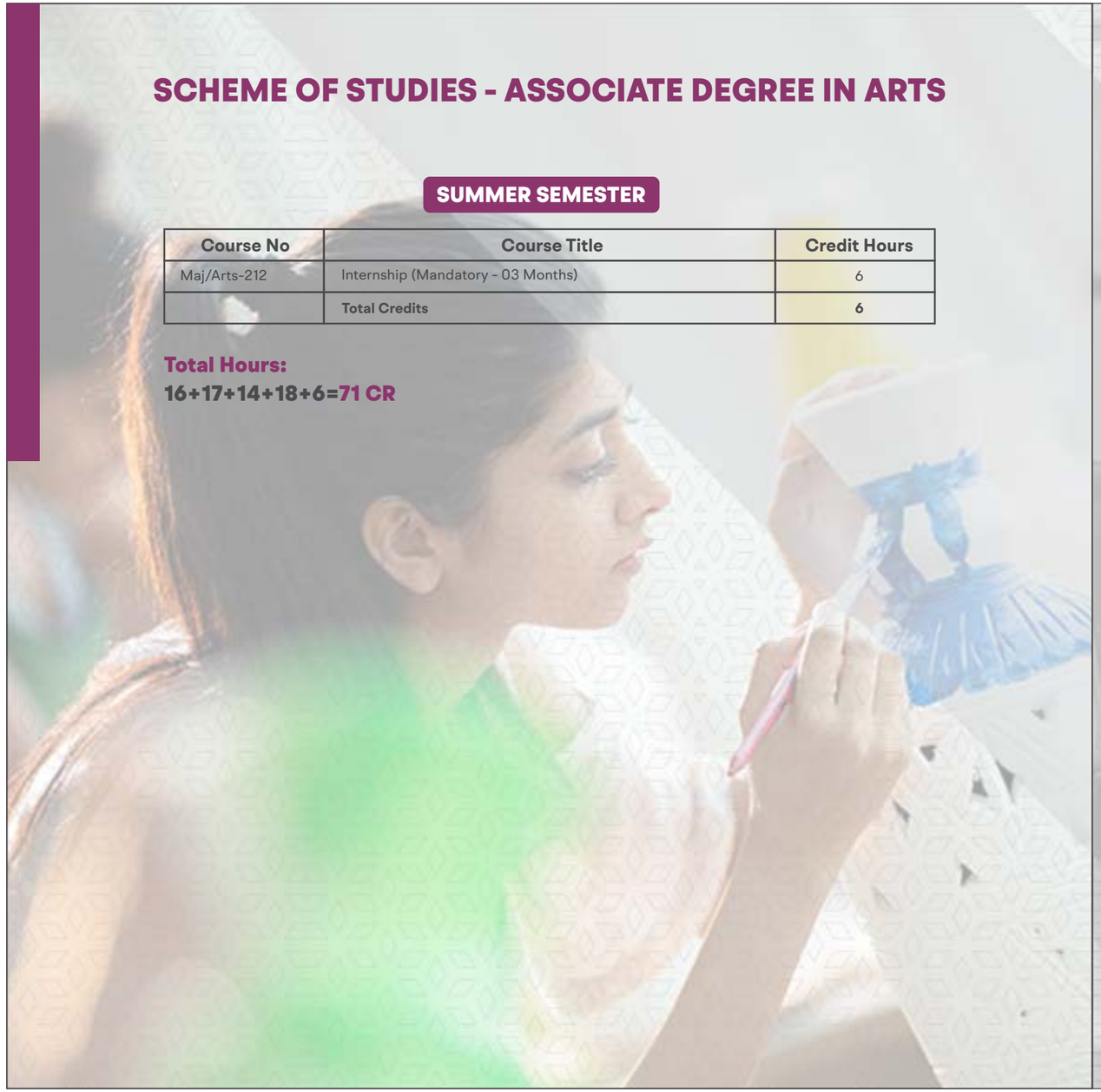
Course No	Course Title	Credit Hours
Maj/Arts-205	Major – I	3 (3+0)
Maj/ Arts -206	Major – I	4 (4+0)
Maj/ Arts -207	Major – II	4 (3+1)
Maj/ Arts -208	Major – II	4 (4+0)
Maj/ Arts -209	Humanity Base Course	3 (3+0)
	Total Credits	**18**

SCHEME OF STUDIES - ASSOCIATE DEGREE IN ARTS

SUMMER SEMESTER

Course No	Course Title	Credit Hours
Maj/Arts-212	Internship (Mandatory - 03 Months)	6
	Total Credits	**6**

Total Hours:
16+17+14+18+6=71 CR



LIST OF SUBJECTS

List of Major Subjects	List of Minor Subjects	List of Special Courses
1. English	1. English Literature	1. Entrepreneurship
2. Economics	2. Urdu Literature	2. Pease and Tolerance
3. Islamic Studies	3. Psychology	3. First Aid
4. Pak Studies	4. Sociology	4. Home Management
5. Urdu	5. Political Science	5. Accounting
6. Art	6. Education	6. Business Taxation
	7. Physical Education	7. Business Law
	8. Mass Communication	8. Finance
	9. Social Work	9. Marketing
	10. Persian	10. Calligraphy
	11. Arabic	11. AutoCAD
		12. Quran and Translation
		13. International Humanities Laws
		14. CV / CV Writing
		15. Multimedia Arts
		16. Photography

HARASSMENT POLICY

1. PRINCIPLES & PURPOSES

1.1 The Imperial College of Business Studies, Lahore (ICBS) is highly consequential institution in society that are dedicated to the pursuit and dissemination of knowledge. Members of the education community have several important rights and privileges, central among which is the right to pursue inquiry and search for knowledge without hinderance from unlawful or otherwise unacceptable constraints. The Higher Education Commission (the "HEC"), which has been mandated by law to prescribe conditions under which HEIs in the country may be opened and operated, takes very seriously the freedom of teachers, researchers, scholars, students and other members of the education community to live and work in a safe environment in which their dignity is protected.

1.2 Protection against sexual harassment is important not only because it threatens the freedom and conduciveness of the environment at institutions of higher learning. At a more fundamental level, such conduct is unacceptable because it violates personal dignity and shall not be tolerated at ICBS.

1.3 In accordance with the terms of this policy, sexual harassment shall be prohibited at ICBS, and shall constitute a punishable offence under the policy. The ICBS affirms the right of every member of the education community live, study and work in an environment that is free from sexual harassment. The goal of this policy is to prevent sexual harassment from taking place, and where necessary to act upon complaints of sexual harassment promptly, fairly, judiciously and with due regard to confidentiality for all parties concerned.

1.4 All Administrators, Directors, Faculty, head of the Department chairs, and another supervisory or leadership positions have an obligation to be familiar with and implement this policy and its procedures. ICBS are encouraged to formulate internal policies that further strengthen or expand the protections available under the HEC's policy on sexual harassment.

1.5 This policy is consistent with and has been made in light of the provisions of the Protection Against Harassment of Women at the Workplace Act 2010 (as amended) (the "2010 Harassment Act"). It extends the protection against sexual harassment to all members of the education community, and provides the option to aggrieved persons to seek recourse to resources within the ICBS or to seek redressal through the provisions of the 2010 Act.

2. PROHIBITED CONDUCT

2.1 "Sexual harassment" means any unwelcome sexual advance, request for sexual favors or other verbal or written communication or physical conduct of a sexual nature, or sexually demeaning attitudes, where:

a) Submission to such conduct is made either explicitly or implicitly a term or condition of an individual participation in any activity at the ICBS

b) Submission to or rejection of such conduct by an individual is used as a basis for academic or employment decision affecting that individual

c) Such conduct has the purpose or effect of unreasonably interfering with an individual's academic or work performance, or of creating an intimidating, hostile, or offensive educational or working environment.

2.1 Sexual harassment may be overt or subtle, and can range from visual signals or gestures to verbal abuse to physical contact along with hand or sign language to denote sexual activity, persistent and unwelcome flirting.

2.3 The following behaviors are specifically prohibited under this policy. This following are meant to provide specificity to the definition provided in clauses. However, it is not an exhaustive list, and other behaviors that fall within the scope of the definition above shall also be prohibited.

A. Especially Egregious Non-Consensual Acts: Acts that would be included in the category of rape. In situations will be covered under the laws of the country, and law enforcement institutions and the courts will investigate and adjudicate accordingly, the ICBS administration has a special obligation to take preventative measures, offer immediate assistance and take interim measures when required.

B. Non-Consensual Sexual Contact: Includes sexual contact with another person without consent.

C. Sexual Exploitation: Taking of actions that violate the sexual privacy of others or taking sexual advantage of another without their consent. For example, taking pictures, videotaping, viewing or distributing explicit images or sexual information of another person without their consent.

D. Other Pervasive or Severe Behaviors: It is not necessary that there be actual sexual contact for a behavior to be categorized as sexual harassment. Other unwelcome behaviors are also prohibited if

a. They are based on an individual's sex or gender

b. Persistent or highly serious

c. Create an atmosphere which is intimidating or hostile.

These include but are not limited to lewd remarks or gestures, highly offensive jokes of a sexual nature, commenting inappropriately about another's body, and stalking.

E. Sex Discrimination: Adverse treatment of individuals based on their sex or gender rather than on merit. This would include instances such as the singling out (for such adverse treatment as lower salary or grades, or more severe punishment) of person(s) on the basis of sex or gender.

2.4 All the actions categorized as sexual harassment when done physically or verbally would also be considered as sexual harassment when done electronically such as through the internet, e- mails, social media, texting, telephone, voicemail etc.

2.5 All actions of harassment or discrimination may be taken by a person of any gender against a person of the same or another gender, and would need to be considered by the ICBS if the act qualifies as a prohibited act under the policy.

2.6 Sexual harassment is especially offensive when perpetrated by persons in authority, and when submission is made a condition toward any ICBS activity or benefit.

2.7 Sexual harassment will be considered especially egregious when the accused knew or reasonably should have known that the victim was in an impaired or incapacitated state. However, impairment of the accused, such as a result of the use of any illegal substances, shall not diminish their responsibility for harassment under this policy.

3. JURISDICTION

3.1 This policy will be implemented on the students, faculty, staff, other members of the ICBS community (such as interns, residents etc.), or third parties (such as service providers, visitors etc.), if the misconduct occurs:

a) On the ICBS campus or in its immediate vicinity

b) off the ICBS campus, if

(i) The conduct occurs in connection with an ICBS recognized program or activity

(ii) The conduct may create a hostile environment or pose a safety risk on campus

c) Using the institute computing or network resources accessed from an off-campus location, which shall be deemed to have occurred on campus.

4. HARASSMENT COMMITTEE

4.1 The Harassment committee of ICBS consist of two members of ICBS administration (these are nominated as “Focal Persons”), at least one of whom shall be a woman, to offer support and immediate assistance to those who have experienced sexual harassment. Contact information of such individuals shall be easily available to all employees and students of ICBS, including on the ICBS official website.

4.2 The ICBS shall also constitute an Inquiry Committee to investigate and adjudicate any allegations of prohibited conduct (the **“Inquiry Committee”**) Those who have experienced sexual harassment may also contact members of the Inquiry Committee for support and advice.

5. COMPLAINTS & REPORTING

5.1 A complaint may be lodged by any person who has experienced sexual harassment with either the Focal Person or with any member of the Sexual Harassment Inquiry Committee.

5.2 In cases in which the conduct in question falls within the scope of the 2010 Harassment Act, the affected person shall also have an option to submit a complaint to the Ombudsperson in accordance with the provisions of the 2010 Harassment Act.

5.3 Complainants shall be encouraged to submit complaints promptly, preferably within 3 months but no later than 12 months from the last date of the alleged harassment. An extension of up to 1 year may be granted by the Focal Persons or the Inquiry Committee upon written request stating the reasons for the delay in submitting the complaint.

5.4 All members of the HEI community are encouraged to report any instances of sexual harassment that they may have observed to the Focal Persons or the Inquiry Committee. For the purposes of safeguarding the campus community, HEIs have an obligation to investigate material violations of this policy even in the event that a formal complaint has not been filed.

5.5 As soon as a complaint or report is received by one of the designated resources, it shall be shared by him or her (within a period of 24 hours) with all Focal Persons and members of the Inquiry Committee for further action.

5.6 For minor violations, complainants may opt to make an informal complaint to either the Focal Person or the Inquiry Committee.

The primary objective of informal resolution mechanism is to take preventative action, so that minor violations are detected early and appropriate warning is given to the

accused to stop the offending behavior before it reaches a higher degree of seriousness.

6. INTERIM MEASURES AND SPECIAL ARRANGEMENTS

6.1 As soon as a complaint or report is received by designated resources or any member of the ICBS administration, depending on the nature and seriousness of the offence, the Focal Persons shall take appropriate steps to provide interim measures that may be requested by the affected persons or as otherwise may be deemed appropriate. If the affected person is not satisfied with the measures taken, he or she may contact any member of the Inquiry Committee for necessary action. Interim measures include but are not limited to:

a) Adjustment in class or examination schedules, including for the purposes of attending hearings; access to counselling services or other appropriate medical assistance;

b) Change in the work assignments;

c) Arrangement for any assessments or evaluations to be made by a neutral person;

d) Adjustment to class schedule, including withdrawal from course or changing the section;

e) Notifying the campus security officials (or law enforcement in case of serious violations) regarding the violation;

f) Impositions of a ICBS wide order designed to prohibit contact or communication between certain persons;

g) Change of the housing arrangement of certain persons;

or

h) Any other measures that may be deemed appropriate.

7. INQUIRY COMMITTEE

7.1 The Inquiry Committee shall be responsible for the investigation and adjudication of any complaint received in connection with the violation of this policy.

7.2 The Inquiry Committee will work as direct by HEC:

a) The committee shall be constituted with three members, out of which one is woman and one of the members shall be a member of the senior management of the ICBS.

b) All members of the committee will be appointed by the Rector.

c) Members of the Committee shall be individuals who are known for being principled, credible, fair, gender-sensitive and have a strong character (someone who will not change their decision due to pressure from friends, colleagues or seniors). They shall have not conflict of interest in particular cases, and shall be impartial and unbiased.

d) Members of the Committee shall be appointed for a term of two year. No member shall serve for more than two consecutive terms. Former members will be eligible for reappointment after a lapse of two years.

e) One of the members of the committee shall be appointed as the Convenor by the Rector, whose duties shall include, but are not limited to: maintaining order during hearings, answering procedural questions, granting or denying adjournments, maintaining proper documentation of the proceedings, which shall constitute the official record and reporting recommendations of the Committee to the Rector. All these duties shall be undertaken in consultation with the Committee members.

f) In case a complaint is made against one of the members of the committee, that member shall be replaced by another (impartial member) for that particular case.

7.2 The ICBS shall endeavor to provide training to members of the Inquiry Committee in investigation and adjudication of conduct prohibited under this policy.

7.3 An ICBS staff member shall be appointed to assist the Inquiry Committee. This work shall include responsibilities such as organizing meetings, acting as a liaison between the committee and the other parties involved, record keeping, making and updating a database to track the processing of complaints, and ensuring appropriate awareness raising about the issue of sexual harassment at ICBS.

8. INVESTIGATION AND ADJUDICATION

8.1 All complaints alleging Sexual Harassment shall be forwarded to the Inquiry Committee within 24 hours of being received by the Focal Persons or any other office forwarded to Sexual Harassment Committee.

8.2 As soon as is reasonably practicable after receiving a complaint, the Inquiry Committee shall determine whether the alleged conduct in the complaint meets the criteria set forth in Sections 2 (Prohibited Conduct) and Section 3 (Jurisdiction) of this policy. If it is determined by a majority of the members of the Inquiry Committee that the alleged conduct meets the aforementioned criteria, a formal investigation shall be initiated.

8.3 In the absence of a formal complaint, if a serious violation of this policy is reported to the Inquiry Committee, or a series of allegations against the same person are received, the Inquiry Committee may determine by majority vote to initiate proceedings after notifying the Rector.

8.4 After initiating the investigation, and not later than three days of the receipt of a written complaint, the Inquiry Committee shall:

a) Communicate to the accused the charges and statement of allegations leveled against him/her, the formal written receipt of which will be given

b) Require the accused within seven days from the day the charge is communicated to him/her to submit a written defense and on his/her failure to do so without reasonable cause, the Committee shall proceed and expedite

c) Enquire into the charge and may acquire and examine such oral or documentary evidence in support of the charge or in defense of the accused as the Committee may consider necessary (including by summoning potential witnesses) and each party shall be entitled to cross examine the witnesses against him/her.

8.5 The following rules shall be applicable to the hearings conducted by the Inquiry Committee:

a) All hearings shall be closed hearings

b) The Inquiry Committee will hear statements from the complainant(s) and respondent(s), the witnesses if any (as required) and study any other documents and/or evidence as presented by the relevant parties or collected in the process of conducting inquiry

c) The Inquiry Committee shall have discretion to limit testimony and questioning of witnesses to those matters it considers relevant to the disposition of the case.

d) The Chair of the Inquiry Committee shall have the power to compel a witness to attend, and the complainant(s) and/or respondent(s) may request the Chair's aid in this regard.

e) The complainant and the respondent may at any stage of any of the procedures outlined in this policy be represented and/or accompanied by another person of her/his choice.

f) The Committee shall have the right to acquire any relevant piece of evidence to further their understanding of the case and the relevant parties, witnesses and administration are required to provide them with this documentation and/or evidence to facilitate the investigation;

g) Objective documentation of the proceedings of the Inquiry Committee shall be maintained where high confidentiality of the records and other such material shall be upheld at all times;

h) The respondent shall be allowed to cross question the complainant and witnesses unless the committee decides otherwise;

I) Where any procedural matter is not dealt with in this policy, the Inquiry Committee may, guided by the principles of fairness, establish any appropriate procedure.

8.6 Members of ICBS have an obligation to cooperate in an investigation, and refusal to cooperate may result in disciplinary action. There may be circumstances in which the complainant may wish to limit their participation in the proceedings. The complainant shall not be subject to discipline, but the HEI may be obligated to proceed with the investigation.

8.7 Following the formal hearing, the members of the Inquiry Committee shall deliberate and determine the validity of the complaint based on the totality of the circumstances. The presence or absence of evidence cannot always be the sole criteria on which a judgment can be made. The credibility of statements and context must be kept in mind during the deliberations. The committee members will reach a decision unanimously or by a majority after the deliberations. Where the complaint is found to be valid, the Committee will recommend an appropriate penalty.

8.9 The Inquiry Committee shall complete the inquiry and recommend its final decision within a period of 30 days. It shall then send its decision to the Rector giving its findings in writing by recording reasons thereof (which shall include any note of dissent) for endorsement and action. Recommendation of the Inquiry Committee shall be implemented within seven days.

9. CONFIDENTIALITY

9.1 Confidentiality shall be enjoined on the Focal Persons, the Inquiry Committee and all others involved in the process. This does not preclude the reasonable and discreet disclosure of information in order to elicit the facts of the case, or to implement and monitor properly the terms of any decision.

9.2 The Focal Persons, members of the Inquiry Committee and their support staff shall be subject to administrative disciplinary action for inappropriate breaches of confidentiality on their part.

9.3 All notes and records arising in connection with an investigation shall be maintained in a confidential file at HEI.

10. PENALTIES

10.1 In cases in which the respondent is a student, the following sanctions may be imposed:

a) In case of minor violations, the student/administrator/ Teaching /non-teaching /any third party may be issued a warning or reprimand. These shall be considered when adjudicating future violations.

b) In case of more serious violations, the following formal sanctions may be imposed: disciplinary probation, withholding of degree for a period of time, suspension or expulsion.

c) The following may be added to any of the penalties listed above: campus service; relocation from campus housing; exclusion of the respondent from a designated portion(s) of ICBS buildings or grounds, or from one or more involvement in any ICBS designated activities, (provided such penalty is appropriate to the offence and where the penalty does not prevent the respondent from pursuing her/his studies); attending educational program; inclusion of decision in the student's record, except in the case of the first instance of a minor violation (for up to seven years).

10.2 In cases in which the respondent is a member of the faculty, researcher or employee/staff of the ICBS, the following sanctions may be imposed (individually or in combination), keeping in view the terms of the applicable employment policies:

a) Oral or written reprimand

b) Counselling or training

c) Inclusion of the decision in a specified personnel file(s) of the respondent;

d) Exclusion of the respondent from a designated portion(s) of ICBS buildings or grounds, or from one or more designated campus activities, where such penalty is appropriate to the offence and where the penalty does not prevent the respondent from carrying out her/his professional duties;

e) The imposition of a fine

f) Recommendation for suspension of the respondent without pay

g) Recommendation that dismissal proceedings be commenced

h) Other sanctions, as deemed appropriate, in accordance with the terms of the employment policies.

11. RIGHT OF APPEAL

11.1 Both the complainant and the respondent shall have a right to appeal the decision of the Inquiry Committee within a period of 30 days from the date of notification of the decision.

11.2 In cases in which the conduct falls within the scope of the 2010 Act, the aggrieved party shall have an option to file an appeal to the Ombudsman in accordance with the provisions of the 2010 Act.

11.3 There shall be a three-member appellate body (the "Appellate Body") appointed by the Rector that shall include at least one senior member of the ICBS administration (at the level of Dean or equivalent) and at least one of the members of which shall be a woman. No member of the Inquiry Committee shall concurrently be a member of the Appellate Body. In case the complaint had been made against one of the members of the committee, that member shall be replaced by another (impartial member) for that particular case.

11.4 Appeal to the Appellate Body against the decision of the Inquiry Committee can be filed on the following grounds:

a) The alleged conduct does or does not fall within the scope of this policy.

b) The Inquiry Committee reached a decision without consideration of material information.

c) The imposed penalty is unfair because it is disproportionate or materially different from that imposed for similar misconduct.

d) The adjudication process followed by the Inquiry Committee was procedurally unfair.

11.5 In order to reach its decision, the Appellate Body may communicate with the parties, the members of the Inquiry Committee or other members of the HEI community as it deems fit.

11.6 The Appellate Body may, on consideration of the appeal and any other relevant material, confirm, set aside, vary or modify the decision within 30 days in respect of which such appeal is made, and shall communicate the decision to both the parties, the Rector and the Inquiry Committee.

12. MALA FIDE ALLEGATION

12.1 False allegations of sexual harassment made out of malice or intent to hurt the reputation of the persons against whom the complaint is filed are to be dealt with as serious offences. Making mala fide allegation of sexual harassment knowing it to be false, whether in a formal or informal context, is a serious offense under this policy.

12.2 In the event that the Inquiry Committee determines that a false allegation made in the complaint with mala fide intent, it may recommend appropriate action against the complainant by sending its findings to the Rector (by recording reasons thereof and including any note of dissent) for endorsement and action. In cases in which the conduct falls within the scope of the 2010 Act, the Inquiry Committee may recommend the handing over of such cases to the Ombudsperson for taking further action against the complainant who made the false allegation with mala fide intent.

13. PROTECTION AGAINST REPRISAL

13.1 ICBS shall not allow reprisal or threats of reprisal against any member of the education community who makes use of this policy (formally or informally). ICBS shall also prohibits such threats or actions against anyone who participates (e.g., testifies, assists, etc.,) in proceedings held under its jurisdiction.

13.2 Retaliation or any other action against complainant of sexual harassment is to be taken seriously under the provisions of this policy. All allegations of retaliation would be investigated formally under the purview of this policy, and if substantiated, would result in appropriate disciplinary action.

14. SPECIAL CONSIDERATIONS REGARDING RELATIONSHIPS BETWEEN INDIVIDUALS

14.1 In contrast with sexual harassment, personal relationships among consenting adults of the Education community that do not breach the social and cultural norms of the society are, in general, a private matter.

14.2 Under the policy it is highly inappropriate for any member of the community to establish an intimate relationship with a student, subordinate or colleague on who's academic or work performance he or she will be required to make professional judgments. The policy requires that the individual may not involve themselves in such conduct as the professional responsibility for supervision or oversight would be affected in such cases. Relationships with a difference in power and authority can seriously affect the institutional working as well as the credibility of all involved. In particular, intimate or romantic relationships between faculty members and students (whether at the undergraduate or the graduate level) shall be prohibited.

15. EDUCATION FOR PREVENTION

15.1 To ensure prevention of sexual harassment on campus, ICBS should develop programs to educate its staff, faculty and students as well as provide written material for reference. Education is essential to sensitizing the university faculty, staff and students in order to eliminate sexual harassment on campus. This shall be done in the ICBS by multiple ways, including those listed below.

15.2 The ICBS Sexual Harassment Policy information regarding the 2010 Act shall be:

a) Available on the ICBS official website

b) Be a part of the package that all new hires receive

c) Be a part of orientation of new students and included in any written material given to them

d) Be included in the HEI's Prospectus (a summarized version); and

15.3 Displayed in prominent locations on campus. The names of the Focal Persons and the members of the Inquiry Committee shall be made visible/accessible to the all members of ICBS and anybody link with ICBS community through its website, posted on notice boards, etc.

15.4 The ICBS shall ensure that its relevant members (e.g., Focal Persons, members of the Inquiry Committee, HR personnel, etc.) attend a training to educate themselves on sexual harassment and relevant the laws and policies. Once trained, designated HR personnel shall be made responsible for educating all personnel, staff, faculty, students that join the ICBS.

15.5 All departments at ICBS must disseminate and display information about these programs, what constitutes sexual harassment, how to respond to it and what to do when someone asks for advice about sexual harassment.

EXTRA CURRICULAR ACTIVITIES

Extra-Curricular Activities

Extra-Curricular Activities are a vital part of any educational process. Sports, drama, creative writing, etc., all help individuals to develop balanced personality by taking healthy breaks from academic rigors. Teamwork and competition also help in building character:

Club and Societies

Club and Societies are very important for creative activities on campus. These club and societies are involved in literary, dramatic and photographic activities. The societies regularly organize poetry reading competition, debates, quiz shows, concerts, competition, photographic competition and scientific gatherings. Currently the following clubs are active:

Dramatics Club

An exciting variety of musical programs, exhibitions and dramas are organized by Dramatics Club, throughout the year. This provides fun times for students.

Fine Arts and Photography Club

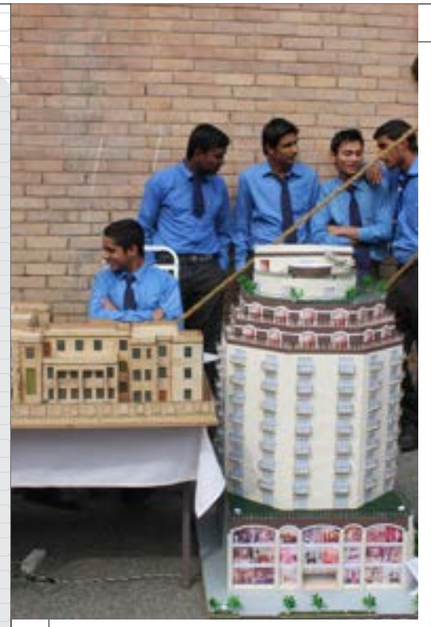
The Fine Arts and Photography club was formed to enhance the creative skills of students and develop their aesthetic sense. The club focuses on sketching, poster, portraits, landscapes and photography.

Sports Club

Sports Club arranges all sort of sports competitions to channel boundless energies of our students. It provides opportunities for sports enthusiasts to share their interests and participate in events. Sports Club organize tournaments in Cricket, Football, Badminton, Table Tennis, Hockey and Athletics, etc.

Adventure Club

Adventure Club arranges a variety of outdoor activities. Different clubs have been created under adventures club such as hiking, trekking, shooting, camping, etc.



AT ICBS

Your talent is well noticed

upto

50%

SCHOLARSHIPS

EXTRA-CURRICULAR ACTIVITIES

Show us Your Talent in the Activities below and Avail the Extra-Curricular Scholarships Up to 50% of Tuition Fee

Dramatics Society

Shooting Club

Music Club

Gaming Society

Fine Arts Club

Robotics Club

Journalism Society

Film Making Club

Photography Club

Debating Society

Influencers Club

Model United Nations (MUN)

INDOOR SHOOTING RANGE

1st PROFESSIONAL
INDOOR SHOOTING RANGE
AT UNIVERSITY IN PAKISTAN

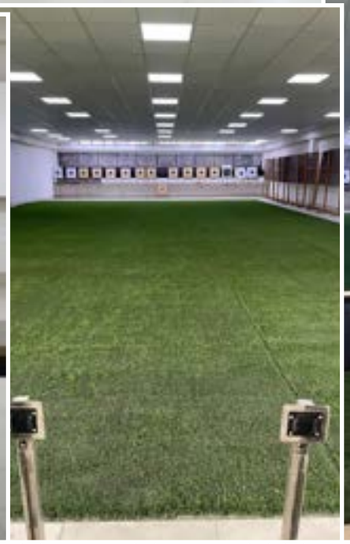
RANGE
08 Shooting Lanes for **50 Meters**
15 Shooting Lanes for **25 Meters**
13 Shooting Lanes for **10 Meters**

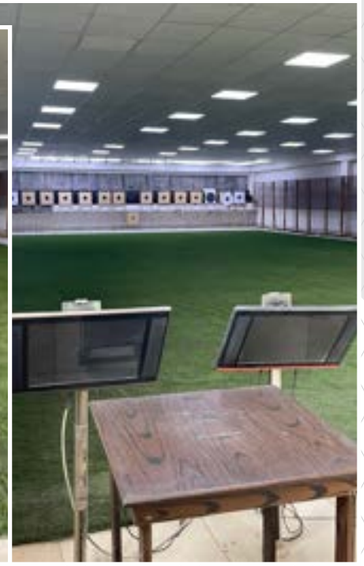
FIREARMS
GERMAN IMPORTED

WEATHER INDEPENDENT

Indoor shooting ranges are not affected by weather conditions, allowing for year-round shooting regardless of rain, snow, or extreme temperatures.

- **Air Conditioned**
- **Lighting**
- **Soundproofing**
- **Camera and Monitor for Every Lane/target**
- **Professional and Expert Trained Staff and Coaches**





RECREATIONAL & COMPETITIVE SHOOTING

Events & Competitions

MAJOR EVENTS

All Pakistan Intervarsity Women Championship 2015-16

All Pakistan Intervarsity Men Championship 2015-16

Capacity to hold

200+

Participants

NEW FACILITIES ARE
ABOUT NEW
BEGINNINGS AND
ENDLESS
POSSIBILITIES.
DEVELOPING
FUTURE
EMPLOYERS
FACILITIES

Auditoriums

The ICBS has five well-furnished and air-conditioned auditoriums. They are equipped with state-of-the-art facilities like, video conferencing, multimedia etc.

Lecture Theaters

The ICBS has spacious lecture theatres. Each theatre has a capacity for 80-100 students. All lecture theatres are IT enabled, air-conditioned, well-furnished and well maintained.

Laboratories

For Civil Engineering, Electrical Engineering, Mechanical Engineering, Mechatronics Engineering, Chemical Engineering, Pharmacy, Physical Therapy full equipped laboratories are built at the Main Campus. These Labs are served by trained professionals.

Computer Laboratories

The Campus has deployed state-of-the-art IT infrastructure. All workstations are networked to ICBS's LAN and a high bandwidth connection provides connectivity to internet.

Central Library

The library is spacious, well planned, and offers tranquil environment. The library subscribes to a large number of periodicals and journals, which have educational value for students. In addition, it also offers its users a rich learning environment complemented with electronic information access and services. The library has circulation, 'reserve' and reference sections. Internet facilities in the library connect users to libraries around the world for reference, assistance and consultation. The stock consists of about 50,000 latest books on a variety of disciplines like Electrical Engineering, Mathematics, Physics, Biosciences, Computer Science, Business and Management, Design and Architecture, English Language and Literature. ICBS library has dedicated and well-trained staff to provide efficient services.

Girls Common Room

To facilitate our female students, the Campus has established spacious and comfortable common rooms. This space has been designed to give female students a place to relax, offer prayers, study, have informal discussions in free time available. Daily newspapers, magazines, periodical and journals are available for leisure reading. Female students appreciate this facility a great deal.

Cafeteria

The College Café provides quality meals, at modest prices, throughout the day on the Campus. Students can relax and enjoy their breaks over a cup of coffee or tea.

Jamia Mosque

The College has a beautiful mosque where regular prayers are held.

Book / Photo Copying Shop

In any institute, latest and updated editions of the subject books are a necessity. A formal bookshop is therefore present on the premises of the Campus where up-to-date books are available at reasonable prices. The facilities of photocopying, scanning, printing and book binding including stationery items in reliable rates are also available on shop.

Video Conferencing Facilities

The State-of-the-art video conferencing facility is available at Campus.

Transport

The transport facility is provided to hostel residents. Transport between the campuses is available to pick & drop the students.

Hostel Facility

Boarding and lodging facility for both the campuses is available.

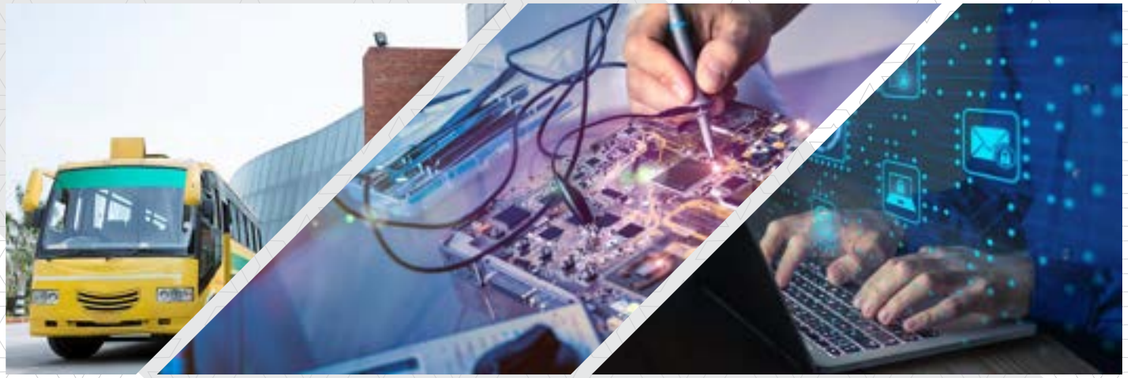
IT Services

State of the art IT Labs with free Internet service are available to the faculty and students at both Campuses.

Office of Student Affairs

The Office of Student Affairs is a central provider of resources and experiences designed to supplement students' classroom learning and to contribute significantly to their personal development. Through our programs, advising resources and services, and various forms of advocacy, OSA support students in their growth as leaders and builders of a strong ICBS community. The Office of Student Affairs serves as a primary source of information and advice about co-curricular opportunities and resources. Staff members assist students in becoming involved in campus life, conduct leadership development programs, educate students about university policies, advise event planners, and help students put classroom learning into practice through the techniques of experiential education. Following are some of the activities managed under OSA at Campus.

- Sports
- Club & Societies Activities
- Study Tours
- Seminars
- Welcome Functions
- Annual Dinner
- Workshops



Empowering Youth Education

EDUCATION - TECHNOLOGY - ENTREPRENEURSHIP

4 YEARS OF EDUCATION
Students will receive a top-notch education that equips them with the knowledge and skills necessary to excel in their chosen fields.

4 YEARS OF TECHNOLOGY TRAINING
Students will learn about Digital Tools, freelancing, AI tech, and other vital subjects that cater to today's ever-evolving demands.

4 YEARS OF ENTREPRENEURSHIP
This phase will equip students with the tools to start their entrepreneurial journey.

#Beimperial

THINK BIG SUCCEED BIGGER

ADMISSIONS POLICY

1. Policy Statement

1.1 Admissions at ICBS are offered on merit to every student irrespective of nationality, gender, ethnic background, creed, socio-economic status or any other factor.

1.2 ICBS welcomes applicants from Overseas. Such students shall have to provide No Objection Certificate (NOC) from the Higher Education Commission of Pakistan (HEC) / Government of Pakistan along with required documents.

1.3 Applicants seeking admission in ICBS are required to fulfill all admission requirements for their respective programs.

1.4 Applicants shall have to qualify the Entry Test / Aptitude test or Interview as per requirement of the program or requirement from Accreditation Council.
All admissions shall remain provisional till verification of relevant academic documents and removal of deficiency, if any. A nominal fee can be charged for verification of academic documents. A-Level qualified applicants must provide IBCC Equivalence Certificate

2. Type of Admission

2.1 Regular Admission

Student is admitted on regular basis if he/she fulfills all the eligibility criteria as per rules of ICBS.

2.2 Provisional Admission

Result awaiting student will be admitted provisionally in ICBS. When applicant fulfills all the eligibility criteria, (submission of candidate result / any other document relevant to admission) his/her admission will be considered as regular admission. Students have no right to take any legal action against the ICBS if he/she does not fulfill the criteria.

Students who fail to meet the Institute admission eligibility requirements before the final exams of their First Semester must withdraw their admission immediately. In cases where the student does not withdraw his/her admission and his/her ineligibility for admission is identified by the Institute at any stage, the Institute will cancel the admission with immediate effect. Result awaiting applicants are required to submit an undertaking for the provisional admission along with the application.

Provisional admission shall be confirmed after the verification of academic documents of the student from the relevant BISE/University/DAI, as the case may be. Verification process shall be completed preferably before the mid of first semester.

2.3 Bi annual admissions

ICBS will admit the students on biannual admission basis (Spring and Fall Semester).

2.4 Admission Morning, Evening and Weekend

Any department can offer Evening / weekend program after fulfillment of requirements as per ICBS rules or accreditation council relevant program at all level of qualification subject to fulfillment of the requirement for Human / Infrastructure / Physical Resources. Student must visit the ICBS website for the details of evening / weekend programs offered at ICBS at the time of admission.

2.5 Admission on Migration Basis

2.5.1 Admission is granted on the basis of migration if the applicant fulfills all the requirements as per admission rules of ICBS.

2.5.2 ICBS strictly follows the HEC rules for the migration / migration of credit hours mentioned below:

- ICBS transfers the credit hour of the migrated students as per criteria given by HEC for all the Chartered Higher Education Institutes of Pakistan.
- Credits are transferred on course to course basis.
- No credit hour of a course will be transferred if the grade is less than C for undergraduate and B for graduate.

2.5.3 Migration Process

The determination of acceptability of credit for course work completed at another recognized Degree Awarding Institution (DAI) is made solely at the discretion of ICBS. The evaluation of any course work or examination from another Institution for acceptance by the Institute will be based only on an official transcript from the institution originally offering the course work or examination. A credit transfer fee shall be charged as per approved from Finance and Planning Committee of ICBS. The following procedure for the transfer of Credit Hours and Transfer of Student are as follow:

2.5.3.1 Transfer of Credit Hours Transfer

The application for transfer of credit hours shall be submitted by the student along with the following documents.

- An official transcript showing course title, course credit hours, grades, obtained marks, total marks, etc.
- The course outline and teaching plan of the course.

2.5.3.2 Transfer Procedure

- All the eligibility criteria of ICBS must be completed for the transfer.
- Principally the maximum credits for work done before joining the ICBS will be considered only up to 40% of the undergraduate and MS / M.Phil. Programs to which the application is being made.
- Students should earn 60 credit hours in undergraduate transfer case and 15 credit hours for the MS / M.Phil. Programs.
- Transferred / exempted courses will be reflected on the Transcript. However, grades earned from other institutions will not count towards CGPA computation by ICBS.
- Transfer of Credit Hours as per policy of HEC.
- Exemption / Acceptance of credit transfer to a student's academic curriculum shall be determined by the Equivalence Committee of the concerned department and approved in the Board of Studies of the Department.

2.6 Equivalence Committee

2.6.1 Equivalence Committee shall be constituted and notified by the Rector.

2.6.2 The Committee shall comprise three senior faculty members of the department, headed by the senior members who are to decide for the exemption / acceptance of the courses / credit hours.

3. Processing of Admission

Admission Committee is responsible for admission to undergraduate & postgraduate for on-campus or Online admissions. Admission office is a part of Registrar Office, shall coordinate with all departments of the ICBS and the Registrar office.

3.1 Advertisement in Newspapers, ICBS Website, and other media

Admission Advertisement shall be published in National Newspaper and advertisement uploaded on ICBS website / or adopt any mode. The offered programs in ICBS along with their eligibility criteria display on website. Important dates will also be mentioned in print and electronic media e.g., Test / interview/ Reserve seats interview, display of merit lists and all admission schedule.

3.2 Online/Manual Form Submission

E-Prospectus will be uploaded on ICBS Website (www.imperial.edu.pk) along with the admission schedule, Admission form, provisional admission affidavit, Instruction for Students for downloading and uploading form, Scholarship Form and any other require data. All candidates who are interested in the admission will apply manually or online for the admission in ICBS.

It is instructed to the applicants to read the instructions carefully and fill the admission form as per instructions uploaded on the ICBS website or in E-Prospectus and upload all the relevant documents as per procedure provided. ***(Attested photocopies of all documents (High resolution), will be uploaded or submitted by the applicant.)***

3.3 Scrutiny of forms

All the forms should be scrutinized by concerned department under the supervision of Director of Admission.

3.4 Eligible Candidates for Test/ Interview

Aptitude Test / Entry Test / interview will be conducted as per requirement of the discipline, HEC and Accreditation Councils. Lists of qualifying applicants for will be uploaded on ICBS website or pasted on the Notice Board of admission office. Candidates who will qualify the basic eligibility criteria of the concerned department shall appear in Test & Interview on the prescribed date / schedule uploaded on ICBS website or pasted on the notice boards of Admission office.

3.5 Display of Final Merit Lists

Final Merit Lists will be generated through MIS and will be displayed on ICBS website and pasted on the notice boards of Admission office.

3.6 Fee Submission

The regular and provisionally selected students shall download Fee Challan from the ICBS website or get their Fee Challan directly from the admission office and deposit their fee in any branch of Muslim Commercial Bank / or any other bank approved by ICBS throughout the country directly or online. The students who will not deposit the fee on time, their seats will be cancelled & next Merit will be displayed.

4. Commencement of Classes

Commencement of classes will be as per Academic Calendar of the session, and it will also be displayed on the ICBS website, Admission notice board and in all relevant departments. The admission office will issue the Roll Number and Registration Number.

Every admitted student will be registered and enrolled as per ICBS rule.

- The Classes of undergraduates of admitted students will commence according to the Academic Calendar of the ICBS or schedule advertised in the Newspaper and the ICBS website.
- The ICBS will display a list of the provisionally selected candidates on the ICBS website and pasted on the notice board of admission office also.
- The selected candidates will pay / deposit admission fee and other dues within the notified dates, otherwise their admission will automatically stand cancelled, if they do not get an extension from the admission office.
- Transfer of online admission form from one department to another will be done. if the candidates applies for the said discipline on the following conditions:
- If falls on departmental merit list.
- The seat is available in the concerned department.

4.1 Student's Enrollment in Faculty of Engineering and Technology

- Total strength of students in Faculty of Engineering and Technology as per approved by the Accreditation Council of Pakistan.
- Total strength of students in Architecture Engineering as per approved by the Accreditation Council of Pakistan.
- Seats in other departments can be increased or decreased depending upon the available physical resources, and human resources etc. as approved by the competent authority.

4.2 Induction Weightage in Engineering & Technology

Induction Weightage strictly followed as given by the Accreditation Councils.

Pakistan Engineering Council

- 60% weightage of F.Sc. or Equivalent / ICS / DAE / B.Sc.
- 30% to Entry Test

National Engineering Council

- 70% weightage of F.Sc. or Equivalent / ICS / DAE / B.Sc.
- 30% to Entry Test.

4.3 Programs offered by the ICBS

The ICBS offers the following BS (4 Years) Degree programs in the Faculties mentioned below:

4.3 Programs offered by the ICBS

The ICBS offers the following BS (4 Years) Degree programs in the Faculties mentioned below:

1. Faculty of Engineering and Technology
2. Faculty of Computer Sciences
3. Faculty of Business Administration
4. Faculty of Arts, Social Sciences, and Humanities.

1. Faculty of Engineering & Technology

1.B.Sc. Electrical Engineering
2.B.Sc. Civil Engineering
3.B.Sc. Mechanical Engineering
4. B.Sc. Electrical Engineering Technology
5.B.Sc. Civil Engineering Technology
6.B.Sc. Mechanical Engineering Technology
7.B.Sc. Biomedical Engineering Technology
8.B.Sc. Architectural Engineering Technology
9.B.Sc. Software Engineering Technology

2. Faculty of Computer Sciences

1. BS Computer Science
2. Bachelor of Information Technology
3. BS Data Science
4. BS Artificial Intelligence
5. Associate Degree in Computer Science (2 Years Degree Program)

3. Faculty of Business Administration

1. Bachelor of Business Administration (BBA)
2. BS Supply Chain Management
3. BS Accounting and Finance
4. Bachelor of Commerce B. Com (Honors)
5. BS Public Administration
6. Executive Master of Business Administration (EMBA)
7. Associate Degree in Business Administration (2 Years Degree Program)

4. Faculty Arts, Social Sciences & Humanities

1. BS Economics
2. BS Urdu
3. BS Pakistan Studies
4. BS Islamic Studies
5. BS English literature
6. Bachelor of Architecture (5 Years Degree Program)
7. Associate Degree in Arts (2 Years Degree Program)

5. Eligibility Criteria of Undergraduate Programs

Eligibility criteria should be advertising and uploaded on ICBS website for information

Faculty of Engineering & Technology

Sr.	Program	Eligibility Criteria
1	B.Sc. Electrical Engineering	F.Sc. (Pre-Engineering) / DAE (Electronics/Electrical) / B.Sc. (Math, Physics, Chemistry) with 60% are eligible to apply, Qualifying the ICBS Entry Test
2	B.Sc. Mechanical Engineering	F.Sc. (Pre-Engineering) / DAE (Mechanical) / B.Sc. (Math, Physics, Chemistry) with 60% are eligible to apply. Qualifying the ICBS Entry Test
3	B.Sc. Civil Engineering	F.Sc. (Pre-Engineering) / DAE (Civil) / B.Sc. (Math, Physics, Chemistry) with 60% are eligible to apply. Qualifying the ICBS Entry Test
4	B.Sc. Electrical Engineering Technology	50% marks in F.Sc. (Pre-Engineering) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran) Qualifying the ICBS Entry Test
5	B.Sc. Mechanical Engineering Technology	50% marks in F.Sc. (Pre-Engineering) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran) Qualifying the ICBS Entry Test
6	B.Sc. Civil Engineering Technology	50% marks in F.Sc. (Pre-Engineering) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran). Qualifying the ICBS Entry Test

Faculty of Engineering & Technology

Sr.	Program	Eligibility Criteria
7	B.Sc. Bio Medical Engineering Technology	50% marks in F.Sc. (Pre-Engineering / Pre-Medical) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran). Qualifying the ICBS Entry Test **Deficiency:** Student with pre-Engineering / pre-medical must have to pass deficiency courses in mathematics / biology of 6 credit hours in 1st two semesters.
8	B.Sc. Architectural Engineering Technology	50% marks in F.Sc. (Pre-Engineering) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran). Qualifying the ICBS Entry Test
9	B.Sc. Software Engineering Technology	50% marks in F.Sc. (Pre-Engineering) or equivalent qualification A-Level/ICS/DAE/B.Sc. (Excluding Sports and Hafiz-e-Quran). Qualifying the ICBS Entry Test

Note: UET Entry Test also acceptable.

Faculty of Computer Sciences

Sr.	Program	Eligibility Criteria
1	BS Computer Science	The minimum requirements for admission in a Bachelor degree program in Computer Science and Information Technology is at least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics certified by IBCC. **Deficiency:** Student with pre-medical must have to pass deficiency courses in mathematics of 6 credit hours in 1st two semesters.
2	BS Information Technology	
3	BS Data Science	**a)** At least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics, certified by IBCC. OR **b)** At least 50% marks in Intermediate (HSSC) examination with Pre-Medical or equivalent qualification, certified by IBCC. **Deficiency:** Student with pre-medical must have to pass deficiency courses in mathematics of 6 credit hours in 1st two semesters.
4	BS Artificial Intelligence	
5	Associate Degree in Computer Science	Those students who have completed 12 years of Education (B.Sc. Pre-medical/Pre-engineering), / F.A, ICS, I.Com, General Science)

Faculty of Business Administration

Sr.	Program	Eligibility Criteria
1	Bachelor of Business Administration (BBA)	
2	BS supply Chain Management	
3	BS Accounting and Finance	
4	Bachelor of Commerce (B. Com (Hons))	
5	BS Public Administration	
6	EMBA	16 year of education with 03 year of Professional Experience
7	Associate Degree in Business Administration	Those students who have completed 12 years of Education (B.Sc. (Pre-medical / Pre-engineering), / F.A, ICS, I.Com, General Science)

Faculty Arts, Social Sciences & Humanities

Sr.	Program	Eligibility Criteria
1	BS Economics	General Science, F.Sc (Pre-medical/Pre-engineering), ICS (Physics/ Economics/ Statistics), I.Com and F.A with Economics & A-level with economics are eligible to apply.
2	BS Urdu	F.A. / F.Sc. / I.Com / ICS / DAE / A-Level certificate or equivalent with minimum 40% marks.
3	BS Pakistan Studies	
4	BS Islamic Studies	
5	BS English	
6	Bachelor of Architecture (PCATP Approved)	1) Intermediate or A-Level (12 years of Education) with combination of any three (03) of the following subjects: Mathematics, Physics, Chemistry, Biology, Computer Sciences, Statistics, Fine Arts, Economics, Psychology, and Sociology. 2) 2nd Division in Intermediate. 3) Qualifying the ICBS Entry Test / UET Test also acceptable

Note: All degree programs offered at ICBS are run under semester system

1. The students are not allowed to change their major subjects unless they have applied for multiple programs and without the consent of the concerned HOD. They can change major and minor subjects within one week working days after commencement of regular classes. No application for the change of subjects will be entertained after one week working days after commencement of classes.

2. Supplementary cases are eligible to apply for provisional admission after completion of his/her certification or degree they are considering as a regular student. In case of the applicant not clear the supplementary examination his / her admission stands cancelled. Applicants do not reserve the right for any legal action against the institute.

6. Reserved Seats

6.1 Disability

2% seats are reserved for the disabled and handicapped applicants. Physical disability means disability that cannot be rectified by any equipment. Being short sighted and hard of hearing does not fall under the definition of disability for admission purpose. The candidates must online submit the certificate of their physical disability duly signed by the Medical Superintendent or Deputy Superintendent of any Government Hospital with their forms. Disable quota in case of Engineering & Technology Faculty as per criteria of Accreditation Councils.

6.2 Sports Basis

2% seats are reserved on sports basis. The candidate must attach their Certificates of Board, Division and District level sports competitions and then may appear for sports trail on the dates duly notified on ICBS website.

6.3 Other Provinces Seats

Twenty-four (24) seats are reserved for the students of other provinces i.e., 04 for Sindh, 04forBalochistan, 04 for Khyber Pakhtoon Khwa (KPK), 04 for Gilgit Baltistan and 08 seats for FATA.

6.4 Backward Region Seats

Five (05) seats are reserved for the backward regions of Punjab like Rajanpur & D.G Khan

6.5 ICBS Teaching and Non-Teaching Staff

1. 1% seats are reserved for the children's of ICBS teaching staff on inter-se-merit

2. 1% seats are reserved for the children's of ICBS non-teaching on inter-se-merit.

6.6 Foreign / Overseas Students seats

Twenty (20) additional seats are reserved in BS programs for Foreign and Overseas Students. The foreigner and overseas student's seats can be decrease or increase with the approval of competent authority. The candidates selected on these seats shall pay US Dollars ($) per annum.

6.7 Minority Quota

Minority quota will be awarded as per instructions of Government of Punjab at all level of qualification.

7. Scholarships

ICBS offered different scholarships to the students for the promotion of education. Categories of these scholarships are as under:

- Need Based
- Hafiz-e-Quran Base
- Disable
- Martyred Army Police Officials
- Children of Government Employees, Armed Fords, and Teachers
- Quota based regional scholarships (FATA, KPK, and Baluchistan)
- Corporate Group Base
- Merit Based
- Kinship Base
- Alumni Scholarship
- Sports Scholarship
- Entry Program in 5th Semester (After 14 Years of Education)

8. Terms & Conditions

1.1 General conditions for admission against these reserved seats as per rules and terms of ICBS.

1.2 The candidates from the provinces other than Punjab have to route their application for the reserved seats to the ICBS admission through the concerned Provincial Government along with domicile certificate within due date mentioned in the ICBS website.

1.3 The candidates from foreign countries have to route their application for admission through the concerned embassy and Higher Education Commission, Islamabad within due date. Pakistani dual nationals can apply directly.

9. Online Admission Forms Requirements

9.1 The candidates must read E-Prospectus carefully and apply online at the ICBS website www.imperial.edu.pk

9.2 Applicant registered him / herself on the website.

9.3 Alternatively download the Admission Form, fill it and submit.

9.4 Applicant has to upload the attested photocopies of the following documents with the online Admission Form:

- Matriculation Certificate / Equivalent (Attested)
- Intermediate Certificate / Equivalent (Attested)
- Provisional / Character Certificate from the Head of the Institution last attended. (Attested)
- Domicile Certificate. (Attested)
- CNIC/Form B. of the candidate (Attested)
- Monthly Income Certificate of Father / Guardian. (only applicable for need base applicant for Scholarship)
- Passport size photographs.
- CNIC/Form B. of the candidate's Father / Guardian. (Attested)

9.5 In case of Foreign / Overseas Candidate:

- Attested photocopy of Foreign Passport / Residential Permit.
- Forwarding letter from the concerned embassy and Higher Education Commission, Islamabad.
- All those students who have studied from systems other than Pakistani system, are required to obtain an equivalence certificate from Inter Board Committee of Chairmen (IBCC), Islamabad.

1. There is no boundary of age limit for admission in any programme as per notification of HEC with reference No. 1-3/AD-QA/HEC/NQAC(21)/2016/53 Dated: March 18, 2016.

2. After payment of dues online, the candidate shall get his/her Roll No. and section assigned in LMS of ICBS.

The selected candidates will be admitted provisionally and the Verification Committee of the ICBS, Lahore will make final admission after the verification of the documents. If at any stage after the admission it comes to the knowledge of the authorities that the documents presented by the candidate are fake or there is a misstatement or clerical error in the documents, his/ her admission will be cancelled and applicant / student do not reserve the right for any legal action.

SCHOLARSHIPS

UNDERGRADUATE PROGRAM

Scholarship is a financial support to the students who focus completely on Learning. Especially for students who may be paying for their own tuition, getting a scholarship that eases the burden of studies will help the student focus more while studying.

Need Based

Need-based scholarship / financial assistance is given by ICBS at the time of admission to the outstanding students who are not able to pay their fees due to financial constraints on the recommendations of Scholarship Committee.

Hafiz-e-Quran Base

Hafiz-e-Quran applicant is awarded extra marks as per Government of Punjab policy / Accreditation Council policy.

Disable

ICBS is committed to the objective that no one should be denied access to higher education in Pakistan, which includes ensuring that people with disabilities have equal opportunities to access and attain higher education.

Note: Being short sighted and hard of hearing does not fall under the definition of disability for admission purpose.

Martyred Army Police Officials

An applicant of Martyred Army / Police Officials (spouse or child) will receive 50% tuition fee waiver.

Children of Government Employees, Armed Fords, and Teachers

The children of Government employees, Armed Forces, and Teachers will receive 35% scholarship.

Quota based regional scholarships (FATA, KPK, and Baluchistan)

ICBS will award the scholarship up to 40- 50 % to the students of FATA, KPK and Balochistan.

Percentage of Marks	Scholarship
50%	40%
60%	50%

Corporate Group Base

35% waiver in tuition fee for the current employee of the MOU Partner of The Imperial College of Business Studies.

Merit Based

ICBS is committed to the objective that no one should be denied access to higher education in Pakistan, which includes ensuring that people with disabilities have equal opportunities to access and attain higher education.

1. Top five position holders (HSSC Exams) from any Board within the province of Punjab
2. Students scoring three A+ grades in their A- level Examinations

Table: Percentage of Scholarship in Different Programs

Program	95% & above	90% - 94.99%	85% - 89.99%	80% - 84.99%	75% - 79.99%	70% - 74.99%	65% - 69.99%	60% - 64.99%	up to 59.99%
Engineering	100%	75%	60%	50%	35%	30%	25%	20%	0%
Eng. & Tech	100%	75%	60%	50%	30%		20%		10%
Art, Social Sciences & Humanities	100%	75%	40%		20%		-		0%
Architecture	100%	75%	60%	50%	40%	35%	30%	25%	10%
Computer Programs	100%	75%	60%	50%	40%	35%	30%	25%	10%
Accounting/ BBA	100%	75%	60%	50%	40%	35%	30%	25%	10%
B.Com/ Supply Chain	100%	75%	60%	50%	30%		20%		10%
Public Administration	100%	75%	50%		30%		-		0%
All ADP's	100%	75%	60%	50%	30%		20%		10%

Terms & Conditions of Scholarship

1. If a student fails or is on probation or dropped, the scholarship will automatically stand withdrawn without any notification. Students must maintain a 3.0 CGPA for the continuation of scholarship.
2. If a student fails / dropped / freeze or is on probation then the scholarship will automatically be withdrawn.

Kinship Base

The kin of alumni (Brother, Sister, Husband, Wife, Son, and Daughter) are allowed a tuition fee waiver of 30% for all kin.

Alumni Scholarship

If the applicant has completed ADP program from ICBS, he/she will be awarded with 50% scholarship.

Sports Scholarship

Up to 100% waiver in tuition fee for outstanding performers in sports.

Divisional	50% Scholarship
Provisional	80% Scholarship
National	100% Scholarship
International	100% Scholarship

Note:
A minimum CGPA of 2.5 must be maintained for continuation of scholarship in subsequent semesters.

Entry Program in 5th Semester (After 14 Years of Education)

Merit Scholarship will be awarded to the BS Programs (4 Year Degree programs) on the basis of BA / Bsc (2-years) degree including ADP program.

Under the Semester System

CGPA	Scholarship
3.5 and above	60%
3.25-3.49	45%
3.00-3.24	35%
2.50-2.99	25%

Under the Annual System

%age of Marks	Scholarship
85% and above	60%
80%-84.99	45%
70%-79.99%	35%
60%-69.99%	25%

Note:
Students must maintain a 3.0 CGPA for the continuation of scholarship excluding the sports scholarship students.

POSTGRADUATE PROGRAM

Scholarship is a financial support to the students who focus completely on Learning. Especially for students who may be paying for their own tuition, getting a scholarship that eases the burden of studies will help the student focus more while studying.

Merit Based

Merit Scholarship for MS/ MPhil/ EMBA Studies on the basis of 4 years BS degree

Academic CGPA	Scholarship
3.75 – 4.00	40%
3.50 – 3.74	30%
3.25 – 3.49	20%
3.00 – 3.24	10%

Terms & Conditions of Scholarship

1. If a student fails or is on probation or dropped, the scholarship will automatically stand withdraw without any notification. Students must maintain a 3.25 CGPA for the continuation of scholarship.
2. If a student fails / dropped / freeze or is on probation then the scholarship will automatically be withdrawn.

Need Based

Need-based scholarship / financial assistance is given by ICBS at the time of admission to the outstanding students who are not able to pay their fees due to financial constraints on the recommendations of Scholarship Committee.

Those students, who require need-based scholarships, should submit an application on prescribed form to the Deputy Treasurer along with the following documents:

- Evidence of Documents father's/guardian's income, for example, authenticated salary certificate/pay slip
- Evidence of property, if any, owned by self/father/guardian
- Evidence of agricultural property and income
- Copies of utility bills for the last six months
- Copy of bank statement, in case of income from business
- Copy of rent agreement in case of rented house or in case of income from house-rent
- Copies of fee slips of brothers and sisters in case they are students
- Any other document that may be asked for, by the office of the Registrar

After the scrutiny of applications and interview, the Scholarship Committee will recommend percentage of Scholarship. Final approval in this regard will be given by the Rector of ICBS. The Treasurer's office will inform applicants about the decision of their applications through emails/phone calls and display on the notice board, and % age of scholarship.

Disable Scholarship

ICBS is committed to the objective that no one should be denied access to higher education in Pakistan, which includes ensuring that people with disabilities have equal opportunities to access and attain higher education.

The applicant should submit an application with admission forms in which he/she will clearly explain the mode of disabilities and his/her need (Disability certificate Verified from Medical Superintendent / government Medical Officer). Applicants will submit to the Accessibility Committee of ICBS, which will provide necessary support during the application, interview, and entrance test process for students with disabilities. Accessibility Committee will recommend the scholarship and final approval given by Rector.

Note: Being short sighted and hard of hearing does not fall under the definition of disability for admission purpose.

Sports Scholarship

Up to 100% waiver in tuition fee for outstanding sports performing applicant in sports.

Divisional	50% Scholarship
Provisional	80% Scholarship
National	100% Scholarship
International	100% Scholarship

Note:
A minimum CGPA of 2.5 must be maintained for continuation of scholarship in subsequent semesters.

Alumni Scholarship

Alumni Policy for Admission in MS/ MPhil/ EMBA Studies

CGPA	Scholarship
2.00-2.99	35%
3.00-3.49	45%
3.5 and above	55%

Note:
Students must maintain a 3.25 CGPA for the continuation of scholarship excluding the sports scholarship students.

FEE STRUCTURE 2023-24

Faculty of Engineering & Technology

Programs	Tuition Fees	1st Semester Fees (excluding reg. fees)	Total Package Incl. of all Charges
PAKISTAN ENGINEERING COUNCIL (PEC) APPROVED PROGRAMS			
B.Sc. Electrical Engineering	160,738	167,063	1,356,500
B.Sc. Mechanical Engineering	167,075	173,400	1,407,200
B.Sc. Civil Engineering	178,250	184,575	1,496,600
NATIONAL TECHNOLOGY COUNCIL (NTC) APPROVED PROGRAMS			
B.Sc. Electrical Engineering Technology	67,425	73,750	610,000
B.Sc. Mechanical Engineering Technology	67,425	73,750	610,000
B.Sc. Software Engineering Technology	67,425	73,750	610,000
B.Sc. Civil Engineering Technology	71,175	77,500	640,000
B.Sc. Biomedical Engineering Technology	83,675	90,000	740,000
B.Sc. Architectural Engineering Technology	71,175	77,500	640,000
B.Sc. Garment Engineering Technology	67,425	73,750	610,000
B.Sc. Aircraft Maintenance Engineering Technology*	130,000	136,325	1,110,600
B.Sc. Fashion Design & Engineering Technology	140,000	146,325	1,190,600
B.Sc. Textile Engineering Technology	130,000	136,325	1,110,600
B.Sc. Computer Engineering Technology	67,425	73,750	610,000
B.Sc. Electronics Engineering Technology	67,425	73,750	610,000

Registration Charges (non-refundable): Rs.20,000/- University Charges (per semester): Rs.6,325/-

*Note: *External Examination & Certification fee will be charged separately.*

Faculty of Management

Programs	Tuition Fees	1st Semester Fees (excluding reg. fees)	Total Package Incl. of all Charges
NATIONAL BUSINESS EDUCATION ACCREDITATION COUNCIL (NBEAC) APPROVED PROGRAMS			
Bachelors Business Administration (BBA)	133,675	140,000	1,140,000
BS Supply Chain	83,675	90,000	740,000
BS Aviation Management	135,000	141,325	1,150,600
BS Accounting & Finance	106,175	112,500	920,000
Bachelors Commerce (B.Com) Honors	68,675	75,000	620,000
BS Public Administration	46,175	52,500	440,000
Executive MBA	98,675	105,000	440,000
Entry in 5th Semester(BBA)	136,675	145,000	600,000
All ADP	73,675	80,000	340,000

Registration Charges (non-refundable): Rs.20,000/- University Charges (per semester): Rs.6,325/-

Faculty of Computer Sciences

Programs	Tuition Fees	1st Semester Fees (excluding reg. fees)	Total Package Incl. of all Charges
NATIONAL COMPUTING EDUCATION ACCREDITATION COUNCIL (NCEAC) APPROVED PROGRAMS			
BSCS	146,175	152,500	1,240,000
BSIT	127,425	133,750	1,090,000
BS Data Science	126,175	132,500	1,080,000
BS Artificial Intelligence	126,175	132,500	1,080,000
Entry in 5th Semester (BSCS)	149,175	157,500	650,000
All ADP	73,675	80,000	340,000

Faculty of Arts, Social Sciences & Humanities

Programs	Tuition Fees	1st Semester Fees (excluding reg. fees)	Total Package Incl. of all Charges
BS Architecture **(PCATP Approved)**	131,675	138,000	1,400,000
BS Economics	64,925	71,250	590,000
BS Urdu	57,425	63,750	530,000
BS Pak. Studies	39,925	46,250	390,000
BS Islamic Studies	39,925	46,250	390,000
BS English	83,050	89,375	735,000
All ADP	73,675	80,000	340,000

Registration Charges (non-refundable): Rs.20,000/- University Charges (per semester): Rs.6,325/-

Imperial College of Business Studies

#BeImperial

WHATEVER YOU NEED, JUST ASK

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