



National College of Business Administration & Economics



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Prospectus

2021-2022

**National College of Business
Administration & Economics**
Government Chartered

HEC Ranked **2nd** Best

Business School in Punjab for Consecutive 2 Years (2012 & 2013)



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Vision

Founded to inculcate the principles of intellectual curiosity, innovation and Integrity, NCBA&E aims to lead Educational Institutions in both teaching and research, creating an environment where individuals can develop the skills to contribute to their family, society and Pakistan as a whole.

Mission

To provide an education through which students can embellish their skills and prepare themselves for the hands-on challenges at work. To, through our distinguished and versatile faculty, guide students through the rigor of their academic years, both at Graduate and Undergraduate levels. And to champion the virtues of Knowledge, Wisdom and Creativity so that our students can gain the abilities to prosper in their careers.

Mian Shamim Haider

Founder



Message

The twenty-first century promises to be a tremendous experience for our youth in terms of its vitality, vigor and speed. To overcome all the challenges and to get into the opportunities on the plate, NCBA&E is keen on developing professionals, entrepreneurs, business executives, IT professionals, managers and artists who are well versed with the impulse of the market. We have a state of the art facility that brings not only the synergy among the faculty and administration but also take their efficacy and prowess to the next level. The dedication shown by the faculty and staff instantly inspires the students to broaden their horizons.

I take this opportunity to thank our patrons for joining forces to develop the capabilities of our young generation.

Mian Shahid Ali Haidar

Chairman Board of Governors



Message

The National College of Business Administration and Economics (NCBA&E) enjoys a great reputation in Pakistan. Having overwhelming experience in business, computing and social sciences. We are proud to have an alumnus network of over twenty-five thousand professionals overseeing academia, industry and nonprofit organizations both within Pakistan and abroad. Our unwavering commitment to providing the latest and most relevant skills for a rapidly changing business environment is accentuated in the performance of our highly competent graduates. To ensure we continue in this vein, we have been constantly upgrading the facilities to exemplify our faculties and departments. As Chairman of the Board of Trustees I am committed to provide the best higher education experience at affordable prices. I am sure our methodical approach will resonate with the masses and allow us and our students to join forces for the betterment of the economy and our Nation.

Prof. Dr. Muhammad Saleem Khan

Rector NCBA&E



Message

National College of Business Administration and Economics (NCBA&E) was established in 1994 and rated the “W” category by HEC in 2012-2013. Currently, NCBA&E has two schools: the School of Business Administration, The School of Computer Sciences, and Faculty of Social Sciences. These schools and Faculty of Social Sciences cover a vast range of disciplines and offer market-valued undergraduate studies, graduate studies, and post-graduate studies programs.

We impart quality teaching and state-of-the-art facilities proving ourselves a vibrant center of excellence. We always indulge our efforts to produce diverse students and play a vital role in a better tomorrow. We are committed to excellence in academics and knowledge exchange with Entrepreneurial and Socio-Economic activities. We believe that an academic institution should be based on three pillars, one is academic and research, and the other two are extra-curricular and sports activities.

NCBA&E is an institution that provides a high level of ability, motivation and cultivates persons with good behavior and attitude. We pursue our mission with courage, innovation, and pluralism. We provide a balanced lifestyle with an outstanding array of social, cultural, and sports environments. Our students are emerging leaders cultivated for a better tomorrow. Our students are encouraged to develop their skills in gaining better market value job opportunities.

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National College of Business Administration & Economics





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Years of Excellence

1994 - 2021

NATIOANL COLLEGE OF BUSINESS ADMINISTRATION & ECONOMICS

01

School
of Business
Administration

02

School
of Computer
Science

03

Faculty
of Social
Sciences

SCHOOL OF BUSINESS ADMINISTRATION

01

**Business
Administration**

02

**Environmental
Management**



VISION

Our vision is to be recognized as a leading business school among our competitors.

MISSION

We are committed to educating and developing effective human resources by inculcating professional knowledge, skills and ethical values. Our BBA, MBA, MS, PhD, and Executive Education programs are designed to develop SMART (Skillful, Methodical, Adaptable, Respectful, Trustworthy) business professionals who are ready to do their best in their field of practice and their practical lives eventually creating value for their stakeholders and society at large.

INTRODUCTION

NCBA&E was established in 1994, when there was no trend of private business institutions. We are known as pioneers & trend setters. We were also the ones to introduce doctoral programs in the private sector and are known for producing internationally recognized PhDs and globally competitive research. We always had a dream to emerge as an institution of excellence, and we are thus addressing the needs of the potential graduate and post graduate population; irrespective of gender, class or status. Practicing excellence in teaching, learning and a close partnership with industry, our commitment and hard work earned a well reputed place in the aspects of management studies. In 2002, the college got the charter from the Government of the Punjab, and thus, since its establishment, School of Business Administration at NCBA&E is marching ahead with zest.

Our intention, while developing this plan has been on one hand to pave a way that distinguishes us from the rest of the business school population, and on the other, we felt the need to develop a plan simple enough to let us see where we are heading and how far are we from achieving our objectives in the short run; and what would it take for us to realize our vision and mission.

Dr. Alia Ahmed

Dean

Message

Welcome to the School of Business Administration (SBA), NCBA&E, where we take pride in our relentless efforts to equip our students with the knowledge required to fit-in and succeed in the job market. Our undergrad, graduate, and post-grad alumni are highly placed and significantly contributing to society. The best thing about NCBA&E is that we cherish each student's individuality and believe in polishing their skills and knowledge-base to the best of their potential—for us, each student is the representative of our future and hence we strive to prepare them to make a difference in the world when they graduate. We teach them to 'be the change that they want'!

SBA offers – Bachelor of Business Administration/Environmental Management, Master of Business Administration/Environmental Management, MS/MPhil. in Business Administration, and Ph.D. in Business Administration/Environmental Management with specializations in Accounting & Finance, Human Resource.



ADP Degree programs in Accounting & Finance, Sales & Marketing, and Business Management for students interested in education intended for gaining particular expertise and entering into relevant professions, as well as for those interested in foundational knowledge of business management; which will provide them a pathway to enroll in the BBA program.

SBA has a warm and closely-knit culture, rich with mutual respect and trust; mainly due to its strong faculty, which is extremely dedicated and committed. Meeting the highest standards, it is involved in teaching, curriculum development, and refining programs. They are more of mentors rather than mere instructors; always available for guidance and direction.

The philosophy behind our efforts is plain and simple: 'we were here first; and we intend to stay here as leaders'. Our Mission statement is in sync with our philosophy, which goes like this: as a leading business school, SBA at NCBA&E is committed to developing effective, socially responsible creative business leaders and managers by crafting in rightful knowledge and inspiring minds in dialogue with the world around us.

BUSINESS ADMINISTRATION

01

ADP
Programs

02

Undergraduate
Programs

03

Graduate
Programs

04

MS/ M.Phil.
Programs

05

Ph.D.
Programs

Associate Degree Programs*

**Accounting
& Finance**

**Business
Administration**

**Sales &
Marketing**

* Subject to approval

Associate Degree Program (Accounting & Finance)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized by**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education, Intermediate, F.Sc / ICS or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Description

The Associate Degree in Accounting & Finance has been designed for candidates having 12 years education who want to have distinctive opportunity to study the theory and practice relating to accounting and finance, develop the proficiency in the application of accounting & finance principles in the financial and corporate sectors and to be absorbed at entry level positions in the ever demanding and rewarding field of accounting and finance.

Program Objectives

- To offer the distinctive opportunity to study the theory and practice relating to accounting and finance.
- To develop the proficiency in the application of accounting and finance principles in the financial and corporate sectors.
- To enable the graduates to be absorbed at entry level positions in the ever demanding and rewarding field of accounting and finance.
- Skill development and capacity building in the field of accounting and finance.



ROAD MAP: Accounting & Finance

TOTAL SEMESTER: 04

CREDIT HOURS: 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Financial Accounting - I	3		Financial Accounting - II	3
	Functional English	3		Report Writing & Presentation Skills	3
	Computer Application	3		Business Law	3
	Business Mathematics & Statistics	3		Business Ethics	3
	Micro & Macro Economics	3		Economics of Pakistan	3
	Principles of Management	3		Fundamentals of Marketing	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Cost Accounting & Payroll Management	3		Management Accounting	3
	Business Communication	3		Financial Analysis & Decision Making	3
	E-Commerce & Marketing	3		Taxation Management	3
	Auditing Principles & Practices	3		Accounting Softwares (Peach Tree, Quick Book)	3
	Financial Management	3		Spread Sheet Modeling	3
	Total	15		Total	15

NOTE: A Mandatory 6 months internship will be offered.

Associate Degree Program (BUSINESS MANAGEMENT)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized by**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education, Intermediate, F.Sc / ICS or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Description

The Management program is designed for individuals seeking specialized training and knowledge as preparation for a career in the industry. This associate degree in Management is the perfect beginning for those pursuing a career within the industries. The successful graduate can enter the industry at an entry and supervisory level to perform administrative functions and duties.



ROAD MAP: Business Management

TOTAL SEMESTER 04

CREDIT HOURS 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Financial Accounting - I	3		Financial Accounting - II	3
	Functional English	3		Report Writing & Presentation Skills	3
	Computer Applications	3		Business Law	3
	Business Mathematics & Statistics	3		Business Ethics	3
	Micro & Macro Economics	3		Economics of Pakistan	3
	Principles of Management	3		Fundamentals of Marketing	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Cost Accounting & Payroll Management	3		Management Accounting	3
	Business Communication	3		Financial Analysis & Decision Making	3
	E - Commerce & Marketing	3		Taxation Management	3
	Auditing Principles & Practices	3		Accounting Softwares (PeachTree, Quick Book)	3
	Financial Management	3		Spreadsheet Modeling	3
	Total	15		Total	15

NOTE: A Mandatory 6 months internship will be offered.

Associate Degree Program (SALES & MARKETING)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized by**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education, Intermediate, F.Sc / ICS or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Description

The ADP Sales & Marketing is beneficial for individuals seeking to enter the sales and marketing field. The goal of this two year Associate Degree Program is to equip students with basic and advanced concepts of sales and marketing management and to acquaint them with principles of marketing and its role in business practice. The students will be trained to apply and evaluate strategic marketing choices and decisions and be able to employ marketing strategies for competitive advantage.



ROAD MAP: Sales & Marketing

TOTAL SEMESTER 04

CREDIT HOURS 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Financial Accounting	3		Cost & Management Accounting	3
	Functional English	3		Report Writing & Presentation Skills	3
	Computer Applications	3		Business Law	3
	Business Mathematics & Statistics	3		Business Ethics	3
	Micro & Macro Economics	3		Human Resource Management	3
	Principles of Management	3		Fundamentals of Marketing	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Financial Management	3		Import & Export Marketing	3
	Business Communication	3		Consumer Behaviour	3
	Psychology	3		Public Relations	3
	Advertising & Promotions	3		E - Commerce & Marketing	3
	Marketing Management	3		Sales Management	3
	Total	15		Total	15

NOTE: A Mandatory 6 months internship will be offered.

Undergraduate Programs

**Bachelor of
Business
Administration
- BBA (Hons.)**

**Bachelor of
Business
Administration
- BBA (2 Years)**

Bachelor of Business Administration-BBA(Hons.)

Program Duration: 4 Years

- **Timing:** Morning (Monday-Saturday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

INTRODUCTION

The Bachelor of Business Administration BBA (Hons.) degree program is of 135 Credit Hours and duration of the program is 4 Years. BBA studies bring together an array of course offerings from a variety of disciplines such as Management, Social Sciences, Communication, Accounting, Finance, Mathematics, Statistics, and Research.

The BBA program is focused on developing the overall personality of the students by providing them a broad based knowledge of management and related disciplines. Our degree also emphasizes the development of communication skills that a student needs in order to fit in an organizational setting. The specialization, we offer in BBA is Business Administration.



ROAD MAP: BBA(Hons.)

TOTAL SEMESTER: 08

TOTAL CREDIT HOURS: 135

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
LANG 1103	English-I	3	LANG 1023	English - II	3
ACCT 2003	Financial Accounting - I	3	ACCT	Financial Accounting - II	3
CS 131	Computer Application	3	MIS 1001	Management Information Systems	3
MATH 1013	Business Mathematics	3	AM 1211	Communication Theory	3
MGMT 3013	Principles of Management	3	Econ 2001	Micro Economics	3
SOCL 1013	Sociology	3	PSY 1011	Psychology	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
COMM 3013	Report Writing & Presentation Skills	3	ADMS 2013	Business Communication	3
ACCT 2013	Management Accounting	3	BFN 1001	Financial Management - I	3
MKTG 3510	Marketing Management	3	AM 3114	Product Design	3
ECON 2011	Macro Economics	3	MKTG 4054	Consumer Behaviour	3
HIST 1011	Regional History	3	ECON 3033	Money and Banking	3
MGMT 3083	Philosophy	3	MGMT 2001	Environmental Management	3
	Total	18		Total	18

ROAD MAP: BBA(Hons.)

TOTAL SEMESTER: 08

TOTAL CREDIT HOURS: 135

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
BA 3202	Commercial Banking	3	MGMT 3083	Human Resource Management	3
IBF 1001	Financial Management-II	3	MKTG 4007	Auditing	3
MATH 113	Probability & Statistics	3	MGMT2022	Business Statistics	3
MGMT 3012	Organizational Behavior & Leadership	3	MGMT	Business Ethics	3
MKTG 3023	Introduction to Retailing	3	LANG 1041	Foreign Language - Chinese/French	3
MKTG 3102	Advertising	3			
	Total	18		Total	15

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
BUS 232	Entrepreneurship	3	FIN 4111	Islamic Finance	3
BUAD 1013	Busines Law	3	ENGM 2012	International Trade and Development	3
NCRS 4113	Business Research Methodology	3	MGMT 4214	Risk Management	3
BUS 322	Business Strategy	3	MGMT 5000	Final Project	6
MGMT3063	Production & Operations Management	3		OR (2 Following Courses instead of Final Project)	
			MNGT 423	E - Marketing	3
			MNGT 424	Cases in Management & Leadership	3
	Total	15		Total	15

Bachelor of Business Administration-BBA(Hons.) - 2 Years

Program Duration: 2 Years

- **Timing:** Morning & Evening (Monday-Sunday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 14 Years of Education, B.A, B.Sc / B.com or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

INTRODUCTION

The Bachelor of Business Administration BBA (Hons.) degree program is of 75 Credit Hours and duration of the program is 2 Years. BBA studies bring together an array of course offerings from a variety of disciplines such as Management, Social Sciences, Communication, Accounting, Finance, Mathematics and Statistics.



ROAD MAP: BBA (Hons) - 2 Years

TOTAL SEMESTER: 06

CREDIT HOURS: 75

Semester: 01

Semester - 2 (1st Summer)

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MNGT 110	Financial Accounting	3	Lang 102	English	3
CS 101	Computer Application	3	MNGT 102	Management Information System	3
MNGT 101	Principles of Management	3			
MATH 146	Business Mathematics	3			
ECON 1012	Business Economics	3			
	Total	15		Total	6

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MNGT 112	Financial Accounting - II	3	MNGT 104	Management Accounting	3
MNGT 205	Marketing Management	3	MNGT 416	Entrepreneurship	3
MNGT 402	Human Resource Management	3	MNGT 322	Production & Operations Management	3
MNGT 311	Organizational Behaviour & Leadership	3	MNGT 326	Consumer Behavior	3
MNGT 213	Business Communication	3	STAT 114	Business Statistics	3
	Total	15		Total	15

Semester - 5 (2nd Summer)

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MNGT 232	Money & Banking	3	MNGT 423	E - Marketing	3
MNGT 412	Business Law	3	MNGT 210	Financial Management	3
			MNGT 425	Business Research Methodologies	3
			MNGT 421	Cases in Management & Leadership	3
			MGMT 5000	Final Project	6
	Total	6		Total	18

Graduate Programs

MBA
(36 Credit Hours)

MBA
(66 Credit Hours)

MBA Executive
(66 Credit Hours)

Master of Business Administration (1.5 Years)

Program Duration: 1.5 years

- **Timing:** Morning & Evening (Monday-Sunday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Business Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

INTRODUCTION

The Masters of Business Administration(MBA) offered at National College of Business Administration and Economics (NCBA&E) has been developed to meet the diverse and ever changing needs of business community and to produce SMART (Skillful, Mature, Adaptable, Respectful, Trustworthy) and effective human resource equipped with conceptual and

technical knowledge in Management, Marketing, Finance & Accounting; who are ready to do their best in their field of practice and become contributing members of the society. The curriculum of the program is continuously updated in the light of developments in different fields and redesigned to meet the current industry requirements.



ROAD MAP: Master of Business Administration (1.5 Years)

TOTAL SEMESTER: 04

CREDIT HOURS: 36

Semester: 01**Semester: 02**

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MGMT 4801	Project Management	3	1	Specialization Course - 2	3
MGMT4803	Supply Chain Management	3	2	Specialization Course - 3	3
MKTG 4033	Marketing Research	3	3	Specialization Course - 4	3
	Specialization Course - 1	3	4	Specialization Course - 5	3
	Total	12		Total	12

Semester: 03

C.Code	Subject Name	Cr. Hrs.
MGMT 4053	Competition & Strategy	3
EXE 606	Corporate Law	3
MGMT 6000	Dissertation	6
	Total	12

ROAD MAP: Master of Business Administration (1.5 Years) TOTAL SEMESTER: 04

CREDIT HOURS: 36

A student may choose any one of the following specialization

Specialization in Accounting and Finance			Specialization in Human Resource Management		
C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MKTG 4007	Taxation Management	3	MKTG 4005	Recruitment & Selection	3
FMG 4005	Financial Modelling	3	MGMT 4062	Industrial Relations	3
MKTG 4002	Auditing & Assurance	3	MGMT 4090	Performance Management	3
MKTG 4007	Financial Reporting & Standards	3	MGMT 4063	Compensation & Benefits	3
FMG 4004	Financial Securities & Investment Analysis	3	MGMT 4091	Training & Development	3
	Total	15		Total	15
Specialization in Marketing			Specialization in Supply Chain Management		
C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MKTG 4006	Brand Management	3	MKTG 4008	Supply Chain Strategy	3
MKTG 4010	Retail Management	3	MGMT 4601	Global Supply Chain Management	3
MKTG 4002	Sales Management	3	MGMT 4602	Sourcing & Procurement	3
MKTG 4011	Digital Marketing	3	MGMT 4603	Logistics Management	3
MKTG 4007	Services Marketing	3	MGMT 4604	Lean Operations	3
	Total	15		Total	15

Master of Business Administration (66 Credit Hours)

Program Duration: 2.5 Years

- **Timing:** Morning & Evening (Monday-Saturday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Non-Business Education or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

INTRODUCTION

Business Administration Studies at National College of Business Administration and Economics (NCBA&E) has been developed to meet the diverse and ever changing needs of business community and to equip the students with conceptual and technical knowledge in Management, Marketing, Finance & Accounting. The curriculum of the program is continuously updated in the light of developments in different fields and redesigned to meet the current industry requirements. The fusion of academic excellence with practical expertise that expands capabilities of our graduates and gives them a clear vision of business prospects and problems in and out of Pakistan.



ROAD MAP: MBA (2.5 Years)

TOTAL SEMESTER: 05

CREDIT HOURS: 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MGMT 3013	Principles of Management	3	MKTG 3510	Management Accounting	3
CS 131	Computer Application	3	EXE 614	Business Statistics	3
MKTG 3510	Marketing Management	3	ACCT 2013	Business Communication	3
ECON 1110	Business Economics	3	ACCT 2013	Human Resource Management	3
CS 131	Financial Accounting	3	MGMT 3063	Organizational Behavior & Leadership	3
	Total	15		Total	15

Semester: 03

Semester - 4

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
EXE 606	Corporate Law	3	1	Specialization Course - 1	3
EXE 681	Project Management	3	2	Specialization Course - 2	3
MGMT 3083	Production & Operations Management	3	3	Specialization Course - 3	3
EXE 667	Strategic Management	3	4	Specialization Course - 4	3
IBF 1001	Financial Management	3	5	Specialization Course - 5	3
	Total	15		Total	15

Semester: 05

S.Code	Subject Name	Cr. Hrs.
MGMT 6000	Dissertation	6
	Total	6

A student may choose any one of the following specialization

Specialization in Accounting and Finance

C.Code	Subject Name	Cr. Hrs.
MKTG 4007	Taxation Management	3
FMG 4005	Financial Modelling	3
MKTG 4002	Auditing & Assurance	3
MKTG 4007	Financial Reporting & Standards	3
FMG 4004	Financial Securities & Investment Analysis	3
	Total	15

Specialization in Human Resource Management

C.Code	Subject Name	Cr. Hrs.
MKTG 4005	Recruitment & Selection	3
MGMT 4062	Industrial Relations	3
MGMT 4090	Performance Management	3
MGMT 4063	Compensation & Benefits	3
MGMT 4091	Training & Development	3
	Total	15

Specialization in Marketing

C.Code	Subject Name	Cr. Hrs.
MKTG 4006	Brand Management	3
MKTG 4010	Retail Management	3
MKTG 4002	Sales Management	3
MKTG 4011	Digital Marketing	3
MKTG 4007	Services Marketing	3
	Total	15

Specialization in Supply Chain Management

C.Code	Subject Name	Cr. Hrs.
MKTG 4008	Supply Chain Strategy	3
MGMT 4601	Global Supply Chain Management	3
MGMT 4602	Sourcing & Procurement	3
MGMT 4603	Logistics Management	3
MGMT 4604	Lean Operations	3
	Total	15

Master of Business Administration - Executive (66 Credit Hours)

Program Duration: 2.5 Years

- **Timing:** Evening (Monday-Sunday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education with minimum 45% marks along with 3 years of Professional Experience
- NCBA&E Entry Test is mandatory

INTRODUCTION

Executive MBA at National College of Business Administration and Economics (NCBA&E) has been developed to accommodate business professionals who are interested in polishing their conceptual and technical knowledge in Management, Marketing, Finance & Accounting to meet the diverse and ever changing needs of business community. The curriculum of the program is continuously updated in the light of developments in different fields and redesigned to meet the current industry requirements. The fusion of academic excellence with practical expertise expands capabilities of our graduates and gives them a clear vision of business prospects and problems in and out of Pakistan.



ROAD MAP: MBA Executive (2.5 Years)

TOTAL SEMESTER: 05

CREDIT HOURS: 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MGMT 3013	Principles of Management	3	MKTG 3510	Management Accounting	3
CS 131	Computer Application	3	EXE 614	Business Statistics	3
MKTG 3510	Marketing Management	3	ACCT 2013	Business Communication	3
ECON 1110	Business Economics	3	ACCT 2013	Human Resource Management	3
CS 131	Financial Accounting	3	MGMT 3063	Organizational Behavior & Leadership	3
	Total	15		Total	15

Semester: 03

Semester - 4

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
EXE 606	Corporate Law	3	1	Specialization Course - 1	3
EXE 681	Project Management	3	2	Specialization Course - 2	3
MGMT 3083	Production & Operations Management	3	3	Specialization Course - 3	3
EXE 667	Strategic Management	3	4	Specialization Course - 4	3
IBF 1001	Financial Management	3	5	Specialization Course - 5	3
	Total	15		Total	15

Semester: 05

S.Code	Subject Name	Cr. Hrs.
MGMT 6000	Dissertation	6
	Total	6

ROAD MAP: MBA Executive (2.5 Years)

TOTAL SEMESTER: 05

CREDIT HOURS: 66

A student may choose any one of the following specialization

Specialization in Accounting and Finance

Specialization in Human Resource Management

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MKTG 4007	Taxation Management	3	MKTG 4005	Recruitment & Selection	3
FMG 4005	Financial Modelling	3	MGMT 4062	Industrial Relations	3
MKTG 4002	Auditing & Assurance	3	MGMT 4090	Performance Management	3
MKTG 4007	Financial Reporting & Standards	3	MGMT 4063	Compensation & Benefits	3
FMG 4004	Financial Securities & Investment Analysis	3	MGMT 4091	Training & Development	3
	Total	15		Total	15

Specialization in Marketing

Specialization in Supply Chain Management

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MKTG 4006	Brand Management	3	MKTG 4008	Supply Chain Strategy	3
MKTG 4010	Retail Management	3	MGMT 4601	Global Supply Chain Management	3
MKTG 4002	Sales Management	3	MGMT 4602	Sourcing & Procurement	3
MKTG 4011	Digital Marketing	3	MGMT 4603	Logistics Management	3
MKTG 4007	Services Marketing	3	MGMT 4604	Lean Operations	3
	Total	15		Total	15

MS/MPhil Program



**MPhil /MS
in Business
Administration**

MS/MPhil Business Administration

Program Duration: 2 years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education or Equivalent with minimum 2.5 CGPA
- NCBA&E Entry Test is mandatory

INTRODUCTION

SBA also offers M.Phil in Business Administration, which is a research based 18 years qualification specifically designed to train students in scientific process and to teach them to explore their domains via philosophical and scientific lens and become critical thinkers. The curriculum is developed and updated periodically to sensitize students with the concept of research, to give awareness of research skills and methods, and to develop critical thinking and analysis, and familiarize them with the research process.



ROAD MAP: MS / MPhil in Business Administration

TOTAL SEMESTER 04

CREDIT HOURS 30

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
RGEN 701	Advance Research Methodology	3	RGEN 703	Research Workshop II	3
RGEN 702	Research Workshop I	3	MNGTXXX	Elective III	3
MNGTXXX	Elective I	3	MNGTXXX	Elective IV	3
MNGTXXX	Elective II	3	MNGTXXX	Elective V	3
	Total	12		Total	12

Semester: 03 & 04

Elective Courses

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MNGT 789	Research Thesis (or 2 Courses for MS)	6	MNGT 788	Topics in Human Resource Management	3
			MNGT 787	Topics in Organizational Behaviour	3
			MNGT 786	Topics in Marketing	3
			MNGT 785	Topics in Finance	3
			MNGT 784	Topics in Business & Management	3
			MNGT 783	Research Skills in Business and Management	3
			MNGT 780	Data Analysis in Business & Management	3
			MNGT 779	Topics in Positive Organizational Scholarship	3
			MNGT 778	Topics in Business and Sustainable Development	3
	Total	6			

PhD Program



PhD in
Business
Administration

Doctor of Philosophy in Business Administration

Program Duration: 3 years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 18 Years of Education or Equivalent with minimum 3.0 CGPA
- NCBA&E Entry Test is mandatory

INTRODUCTION

School of Business Administration offers PhD in Business Administration, which is developed and designed to produce internationally compatible researchers who can make significant knowledge contribution to their field of study. The PhD curriculum is designed to refresh scholars' research skills, and to develop philosophical, theoretical and conceptual understanding. The rich research culture and mentorship available at SBA provides a breeding ground for the scholars to work and think independently and scientifically where they are extensively trained for significant theoretical contribution to their field knowledge.



ROAD MAP: PhD In Business Administration

TOTAL SEMESTER: 06

CREDIT HOURS: 30

Semester: 01

Semester: 02

C.Code	Course Title	Cr. Hrs.	C.Code	Course Title	Cr. Hrs.
RGEN 703	Research Workshop II	0	MNGTXXX	Elective 3	3
MNGTXXX	Elective 1	3	MNGTXXX	Elective 4	3
MNGTXXX	Elective 2	3	MNGTXXX	Elective 5	3
	Total	6		Total	9

Semester: 03

Semester: 04 - 06

C.Code	Course Title	Cr. Hrs.	C.Code	Course Title	Cr. Hrs.
MNGTXXX	Elective 6	3	MNGTXXX	Research Thesis	12
	Comprehensive Exam	0			
	Total	3		Total	12

Elective Courses

C.Code	Course Title	Cr. Hrs.	C.Code	Course Title	Cr. Hrs.
MNGT 888	Research Topics in Human Resource Management	3	MNGT 882	Theory Building in Management Research	3
MNGT 887	Research Topics in Organizational Behaviour	3	MNGT 881	Research Design & Methodology in Business and Management	3
MNGT 886	Research Topics in Marketing	3	MNGT 870	Advanced Data Analysis in Business & Management	3
MNGT 885	Research Topics in Finance	3	MNGT 879	Research in Positive Organizational Scholarship	3
MNGT 884	Research Topics in Corporate Crimes and Governance	3	MNGT 878	Research in Business and Sustainable Development	3
MNGT 883	Research Topics in Business & Management	3			

ENVIRONMENTAL MANAGEMENT

01

Undergraduate
Program

02

MS/MPhil.
Program

Undergraduate Program

**BS (Hons.)
Environmental
Management**

Bachelor of Environmental Management – BS (Hons.)

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

INTRODUCTION

The Bachelor of Environmental Management (Hons.) degree program is of 135 Credit Hours and duration of the program 4 Years. Environmental Management studies offers market based subjects such as environmental pollution climate change Management, urban planning, health and safety, environmental impact assessment & management.

The BS (Hons) program is focused on developing student skills on environmental conservation, alleviation of poverty and sustainable development. Our degree also emphasizes how to work in a team to fit in an organizational setting.



ROAD MAP: Bachelor of Environmental Management

TOTAL SEMESTER: 08

CREDIT HOURS: 135

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENV 501	English – I	3	ENV 507	English –II	3
ENV 502	Mathematics	3	ENV 508	Pakistan Studies	3
ENV 503	Islamic Studies	3	ENV 509	Computer Application	3
ENV 504	General Physics Theory	3	ENV 510	Introduction to Environmental Management	3
ENV 505	General Chemistry Theory	3	ENV 511	Environment Impact Assessment	3
ENV 506	General Biology Theory	3	ENV 512	Wildlife Forestry and Wetland Management	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENV 513	Rock Soil & Environment Theory	3	ENV 519	Research Methods In Environmental Management	3
ENV 514	Environment Law and Policies	3	ENV 520	Environment Health and Safety	3
ENV 515	Environmental Pollution	3	ENV 521	Urban Environment	3
ENV 516	Environment Economics	3	ENV 522	Environmental Statistics	3
ENV 517	Introduction to Climate Change	3	ENV 523	Natural Resource Management	3
ENV 518	Environment Profile of Pakistan	3	ENV 524	Analytical Techniques In Ecological System	3
	Total	18		Total	18

ROAD MAP: Bachelor of Environmental Management

TOTAL SEMESTER: 08

CREDIT HOURS: 135

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENV 601	Water Pollution and Control	3	ENV 607	Natural Hazards and Disaster Management	3
ENV 602	Occupational Safety and Health	3	ENV 608	Waste Water Treatment	3
ENV 603	Solid Waste Management	3	ENV 609	Population Dynamics and Environment	3
ENV 604	Biodiversity and Conservation	3	ENV 610	Energy and Environment	3
ENV 605	Environmental Chemistry	3	ENV 611	WEEE Management	3
ENV 606	Urban Planning and Environment	3	ENV 612	Environmental Toxicology	3
	Total	18		Total	18

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENV 613	Environmental Geology	3	ENV 619	Environmental Standards, Auditing and Project Management	3
ENV 614	Hospital Waste Management	3	ENV 620	Project/Thesis	6
ENV 615	Environment and Humanity	3			
ENV 616	GIS & Remote Sensing	3			
ENV 617	Environmental Monitoring	3			
ENV 618	Applied Ecology	3			
	Total	18		Total	9

Masters Program

**MS/MPhil.
Environmental
Management**

MS/MPhil. Environmental Management

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education or Equivalent with minimum 2.5 CGPA
- NCBA&E Entry Test is mandatory

INTRODUCTION

The Master of Environmental Management degree program is of 36 Credit Hours and duration of the program 2 Years. This MS program is specifically designed for professionals to meet current market demands. Important subjects include analytical technique, environmental pollution climate change, health and safety, and solid waste. The MS program is focused on developing student professional skills on environmental health and

safety in industries, environmental monitoring, GIS and remote sensing. Our degree also emphasizes how to work in a team to fit in an organizational setting.



ROAD MAP: MPhil. in Environmental Management

TOTAL SEMESTERS: 04

CREDIT HOURS: 66

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENV 509	Computer Application	3	ENV 519	Research Methods In Environmental Management	3
ENV 510	Environmental Profile of Pakistan	3	ENV 520	Environment Health and Safety	3
ENV 507	Environmental Geology	3	ENV 521	Urban Environment	3
ENV 515	Environmental Pollution	3	ENV 522	Environment Impact Assessment	3
ENV 516	Environment Economics	3	ENV 523	Natural Resource Management	3
ENV 516	Introduction to Climate Change	3	ENV 524	Environment Law and Policies	3
	Total	18		Total	18

Semester: 03

Semester: 04

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
ENV 605	Environmental Chemistry	3	ENV 524	Analytical Techniques In Ecological System	3
ENV 601	Water Pollution and Control	3	ENV 617	Environmental Monitoring	3
ENV 621	Air Quality Management	3	ENV 622	Project/Thesis (optional)	6
ENV 603	Solid Waste Management	3			
ENV 616	GIS & Remote Sensing	3			
ENV 606	Urban Planning and Environment	3			
	Total	18		Total	12

School of Computer Science

01

ADP
Programs

02

Undergraduate
Programs

03

MS/M.Phil.
Programs

04

Ph.D.
Program



VISION

The School of Computer Sciences will have a transformative impact on the society through continual innovation in education, research, creativity, and entrepreneurship. The School of Computer Sciences has the vision to create the most conducive environment for quality, academic, research-oriented undergraduate and postgraduate education in the field of Computer Science to prepare the students for a globalized technological society and orient them towards serving society.

MISSION

The mission of the School of Computer Sciences is to contribute to the society through the pursuit of education, learning, and research at the highest international levels of excellence. The School of Computer Sciences has a mission to create a transformative educational experience for the students focused on deep disciplinary knowledge. The institute has exquisitely concerned to train the students effectively to resolute the real-world problems thus amplifying their potential for lifelong high-quality careers and give them a competitive advantage in the ever-changing the global work environment of the 21st century.

Dr. Sagheer Abbas

Dean School of Computer Science

Message

On behalf of students, faculty and administration, I am pleased to welcome you to the School of Computer Sciences, a diverse platform in the heart of Lahore. Our school of computer science focuses on providing a quality education for our students, partnering with the professional communities of computer sciences, and providing a secure connection between students' knowledge and professional practice for future needs. School of computer science offers Bachelors of Computer Science (BSCS), Bachelors of Software Engineering (BSSE), Bachelors of Information Technology (BSIT), Master of Philosophy in Computer Science (MPhil-CS) and Doctor of Philosophy in Computer Science (PhD-CS).

Our school of computer science is one of Pakistan's leading platforms, helping you reshape your future to become a valuable asset to the nation. We train our students with the knowledge, innovation, skills and support they need now and in the future to contribute effectively to national and global development.

We provide our students state of art infrastructure and the opportunities to excel in upcoming challenges of life. Being well aware of rapid advancements in the multi-disciplines of computer's field, we are keen to provide our students with the latest skills and competencies required to fulfil the emerging demands of the scientific and industrial communities. Hoping for your better career, I invite you to join NCBA&E Family and become part of tremendous growth even at a faster pace for your better future.



Associate Degree Programs



Computer Science



Information Technology



Software Engineering



Web Design & Development

Associate Degree Program (Computer Science)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Program Objectives

The Strategic objectives of Associate Degree in Computer Science are to develop eLearning student with knowledge of concepts, theories, application and practices associated with the computer science field, to prepare eLearning student with an innovative practices related to computer science application and enhance the programming skills.

Description

The Associate Degree Program in Computer Science has been designed to equip the students with requisite knowledge and provide Computer Science skills that will enable them to capitalize on the growing career opportunities in the computer science sector and to expand the limits of their knowledge by pursuing further studies.



Associate Degree Program (Information Technology)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

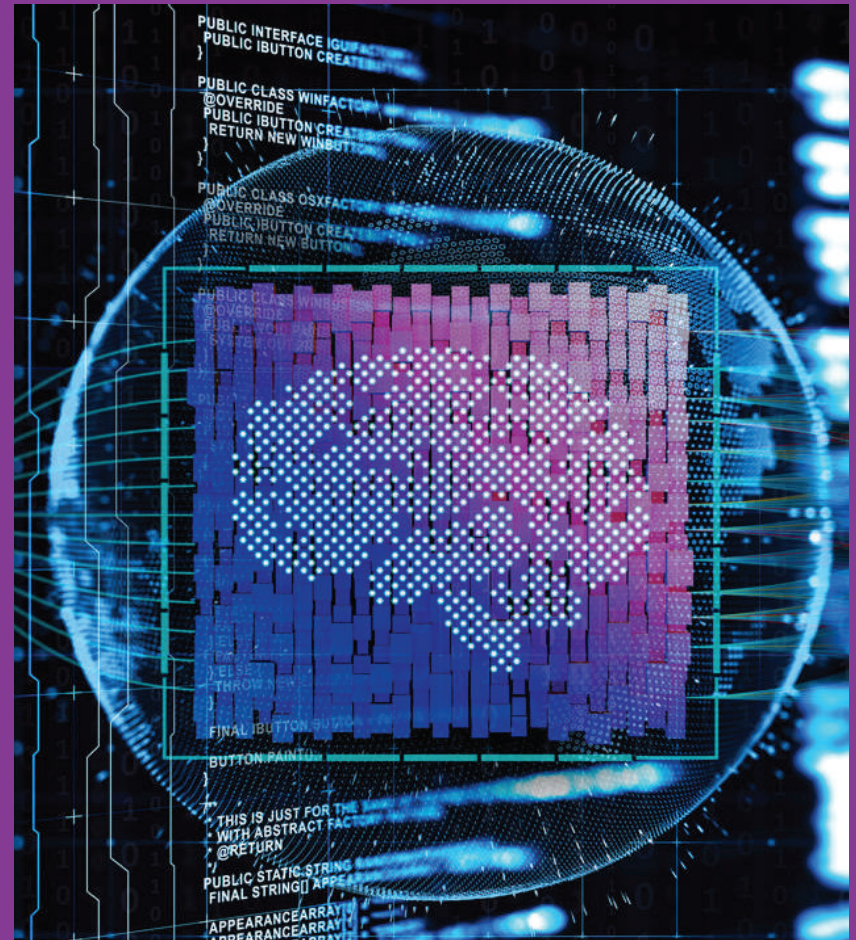
- 12 Years of Education or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Program Objectives

Students in this program will study in our computer laboratories on old and new technology allowing them to enter the workforce with relevant skills for today's IT industry.

Description

Information technology is a dynamic industry, with growing demand for key technical skills becoming more prevalent across a variety of sectors. Seize your opportunities for career progression in IT with a qualification from NCBA&E. This practical two-year associate degree gives you the basic skills required to perform a range of in-demand specialist IT functions such as technical support, software development/installation, network engineering/administration.



ROAD MAP: Information Technology

TOTAL SEMESTERS 04

CREDIT HOURS 66

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
01	Introduction to ICT	2,1	06	Communication & Presentation Skills	3,0
02	Programming Fundamentals	3,1	07	Formal Methods	3,0
03	Calculus -I	3,0	08	Multi Variate Calculus	3,0
04	English Composition & Comprehension	3,0	09	Object Oriented Programming	3,1
05	Islamic Studies/Pakistan Studies	2,0	10	Probability & Statistics	3,0
	Total	13+2 = 15		Total	15+2 = 16

Semester: 03

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
11	Data Structures & Algorithms	3,1	16	Operating System	3,1
12	Comp. Organization & Assembly Lang.	3,1	17	Design & Analysis of Algorithm	3,1
13	Discrete Structure	3,0	18	Database Systems	3,1
14	Elective-I	3,0	19	Elective-II	3,0
15	Project -I	3,0	20	Project -II	3,0
	Total	15+3 = 17		Total	15+2 = 18

ROAD MAP: Software Engineering

TOTAL SEMESTERS 04

CREDIT HOURS 66

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
01	Inroduction to ICT	2,1	06	Communication & Presentation Skills	3,0
02	Programming Fundamentals	3,1	07	Discrete Structure	3,0
03	Calculus -I	3,0	08	Multi Variate Calculus	3,0
04	English Composition & Comprehension	3,0	09	Object Oriented Programming	3,1
05	Islamic Studies/Pakistan Studies	2,0	10	Software Engineering	3,0
			11	Pakistan Studies	2,0
	Total	13+2 = 15		Total	15+2 = 18

Semester: 03

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
12	Data Structures & Algorithms	3,1	16	Operating System	3,1
13	Software Requirement Engineering	3,0	17	Probability & Statistics	3,0
14	Human Computer Interaction	3,0	18	Database Systems	3,1
15	Elective-I	3,0	19	Elective-II	3,0
15	Project -I	3,0	20	Project -II	3,0
	Total	15+1 = 16		Total	15+2 = 17

Associate Degree Program (Web Design & Development)

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

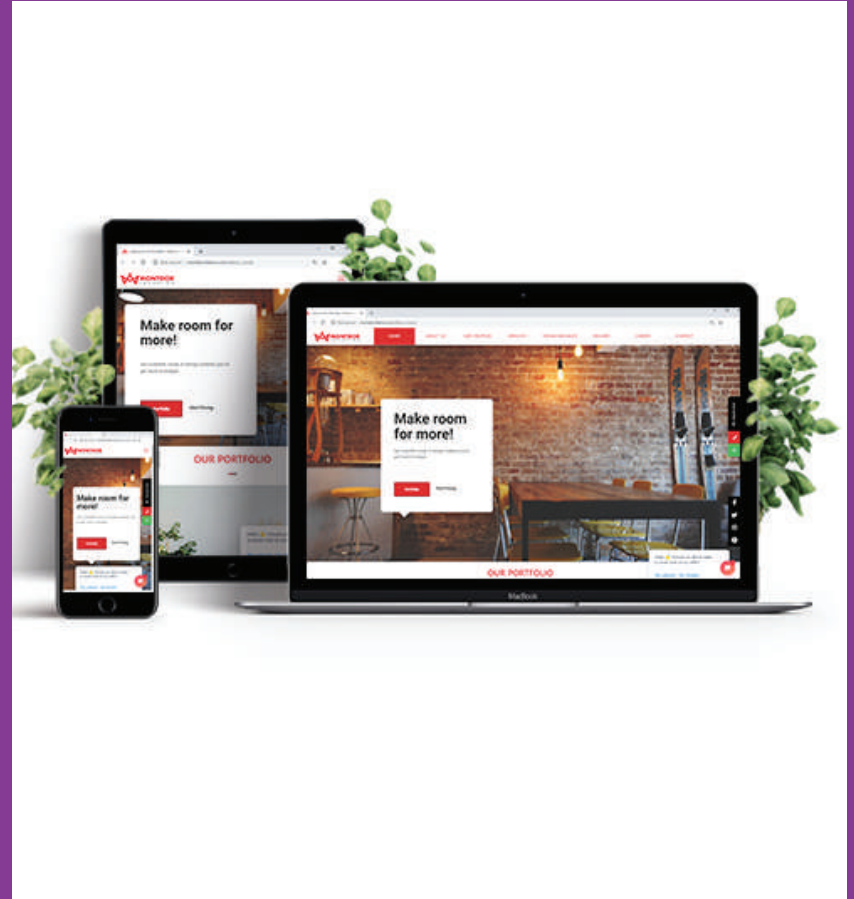
- 12 Years of Education or Equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Program Objectives

Web Design and Management associate degree program enables graduates with a range of skills applicable for many job opportunities.

Description

Associate Degree Program in Web Design and Management equips the students with such skills that enables them to develop websites/portals using cutting edge technology. Today's businesses and organizations survive and thrive due to their presence in cyberspace. A dynamic and captivating websites enhances the business and, thus there is always a need for the professional web designers and managers.



ROAD MAP: Web Design & Development

TOTAL SEMESTERS 04

CREDIT HOURS 66

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
01	Introduction to ICT	2,1	06	Business & Technical Writing	3,0
02	Programming Fundamentals	3,1	07	Object Oriented Programming	3,1
03	Calculus -I	3,0	08	Calculus -II	3,0
04	English Composition & Comprehension	3,0	09	Database Systems	3,1
05	Islamic Studies/Pakistan Studies	2,0	10	Web Design	3,1
	Total	13+2 = 15		Total	15+3 = 18

Semester: 03

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
12	Data Structures & Algorithms	3,1	16	Operating System	3,1
13	Computer Networks	3,1	17	Web Engineering	3,0
14	Software Engineering	3,0	18	Web Technologies	3,0
15	Elective-I	3,0	19	Elective-II	3,0
15	Project -I	3,0	20	Project -II	3,0
	Total	15+2 = 17		Total	15+1 = 16



Undergraduate Programs

BS(CS)

BS(SE)

BS(IT)

Bachelor of Science in Computer Science

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or Equivalent with minimum 50% marks
- NCBA&E Entry Test is mandatory

Introduction

The Bachelor of Science in Computer Science (BSCS) is a professional degree program aimed at producing graduates for the job market as software engineers, entrepreneurs, IT consultant and academia professionals. The program is tailored to provide a strong foundation of knowledge and skills and ability to think critically. We are offering the market oriented courses that are already defined in our road-map. The program enables the students to think logically, critically and also enables the students to analyze the critical problems. Computer scientists understand how software and hardware works and developed. The computer scientists also design the optimal solutions and implement it using latest tools and technologies.



ROAD MAP: BS in Computer Science

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 101	Introduction to ICT	2, 1	CS 104	Object Oriented Programming	3, 0
CS 102	Programming Fundamentals	3, 0	CSL 104	Object Oriented Programming Lab	0, 1
CSL 102	Programming Fundamentals Lab	0, 1	HU 102	Communication & Presentation Skills	3, 0
HU 101	English Composition & Comprehension	3, 0	CS103	Digital Logic Design	3, 0
MT 101	Calculus & Analytical Geometry	3, 0	CSL 103	Digital Logic Design Lab	0, 1
NS 101	Applied Physics	3, 0	MT 102	Probability & Statistics	3, 0
			UE 101	Financial Accounting	3, 0
	Total	14 + 2= 16		Total	15 + 2 = 17

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 202	Data Structures & Algorithms	3, 0	CS 104	Design & Analysis of Algorithms	3, 0
CSL 202	Data Structure & Algorithm Lab	0, 1	CS 205	Theory of Automata	3, 0
CS 203	Discrete Structures	3, 0	CS 206	Database Systems	3, 0
HU 201	Islamic Studies / Ethics	2, 0	CSL 206	Database Systems Lab	0, 1
SC 201	Multi-Variant Calculus	3, 0	MT 201	Linear Algebra	3, 0
CS 201	Comp. Organization & Assembly Lang.	3, 0	UE 201	Foreign Language	3, 0
CSL 201	Comp. Organization & Assembly Lang. Lab	0, 1			
	Total	14 + 2 = 16		Total	15 + 1 = 16

ROAD MAP: BS in Computer Science

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	S.Code	Subject Name	Cr. Hrs.
CS 301	Compiler Construction	3,0	CS 304	Artificial Intelligence	3,0
SC 301	Differential Equations	3,0	CSL 304	Artificial Intelligence Lab	0,1
CS 302	Operating Systems	3,0	CS 305	Computer Networks	3,0
CSL 302	Operating Systems Lab	0,1	CSL 305	Computer Networks Lab	0,1
CS 303	Software Engineering	3,0	CS 306	CS Elective – 1	3,0
SC 302	Numerical Computing	3,0	CS 307	CS Elective – 2	3,0
			HU 301	Technical & Business Writing	3,0
	Total	15 + 1 = 16		Total	15 + 2 = 17

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 401	CS Elective – 3	3,0	CS 405	CS Elective – 5	3,0
CS 402	CS Elective – 4	3,0	UE 402	Human Resource Management	3,0
CS 403	Final Year Project – I	0,3	CS 406	Final Year Project – II	0,3
UE 401	Introduction to Economics	3,0	CS 407	Information Security	3,0
CS 404	Parallel & Distributed Computing	3,0	HU 402	Professional Practices	3,0
HU 401	Pakistan Studies	2,0			
	Total	14 + 3 = 17		Total	12 + 3 = 15

Bachelor of Science in Software Engineering

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or Equivalent with minimum 50% marks
- NCBA&E Entry Test is mandatory

Introduction

The program Software Engineering plays a central role in developing information systems by designing, developing, and installing software solutions. It determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, proposed solutions, and develops software solutions by studying information needs, conferring with users, and studying systems flow, data usage, and work processes. A software engineer investigates the problem areas and follows the software development lifecycle. Softdemonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code. It prepares and installs solutions by determining and designing system specifications, standards, and programming. The department aims to train students in all aspects of software life cycle from specification through analysis and design to testing, maintenance and evaluations of software product.



ROAD MAP: BS in Software Engineering

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 101	Introduction to Info. & Comm. Technologies	2, 1	CS 104	Object Oriented Programming	3,0
CS 102	Programming Fundamentals	3, 0	CSL 104	Object Oriented Programming Lab	0,1
CSL 102	Programming Fundamentals Lab	0,1	HU 102	Communication & Presentation Skills	3,0
HU 101	English Composition & Comprehension	3, 0	CS 203	Discrete Structures	3,0
MT 101	Calculus & Analytical Geometry	3, 0	CS 303	Software Engineering	3,0
HU 401	Pakistan Studies	2, 0	HU 201	Islamic Studies	2,0
NS 101	Applied Physics	3, 0	UE 101	Financial Accounting	3,0
	Total	16 + 2 = 18		Total	17 + 1 = 18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 202	Data Structures & Algorithms	3,1	CS 302	Operating Systems	3,0
SE 201	Software Requirement Engineering	3,0	CSL 302	Operating Systems Lab	0,1
SE 202	Human Computer Interaction	3,0	CS 206	Database Systems	3,0
MT 201	Linear Algebra	3,0	CSL 206	Database Systems Lab	0,1
UE 201	Foreign Language	3,0	SE 203	Software Design & Architecture	2,1
			MT 102	Probability and Statistics	3,0
			UE 401	Introduction to Economics	3,0
	Total	15 + 1 = 16		Total	14 + 3 = 17

ROAD MAP: BS in Software Engineering

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
SE 301	Software Construction and Development	2, 1	SE 302	Software Quality Assurance	3, 0
CS 305	Computer Networks	3, 0	CS 407	Information Security	3, 0
CSL 305	Computer Networks Lab	0, 1	HU 402	Professional Practices	3, 0
HU 301	Technical and Business Writing	3, 0	SE 303	Web Engineering	3, 0
SC 301	Formal Methods in Software Engineering	3, 0	SE 304	SE Elective – I	3, 0
SC 302	Operations Research	3, 0	SE 305	Simulation and Modeling	3, 0
	Total	14 + 2 = 16		Total	18

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
SE 411	Software Project Management	3,0	SE 4xx	SE Elective – IV	3, 0
SE 412	Software Re-Engineering	3,0	SE 4xx	SE Elective – V	3, 0
SE 4xx	SE Elective -II	3,0	SE 402	Final Year Project - II	0, 3
SE 4xx	SE Elective - III	3,0	UE 301	Human Resource Management	3, 0
SE 401	Final Year Project - I	0,3			
	Total	12 + 3 = 15		Total	9 + 3 = 12

Bachelor of Science in Information Technology

Program Duration: 4 Years

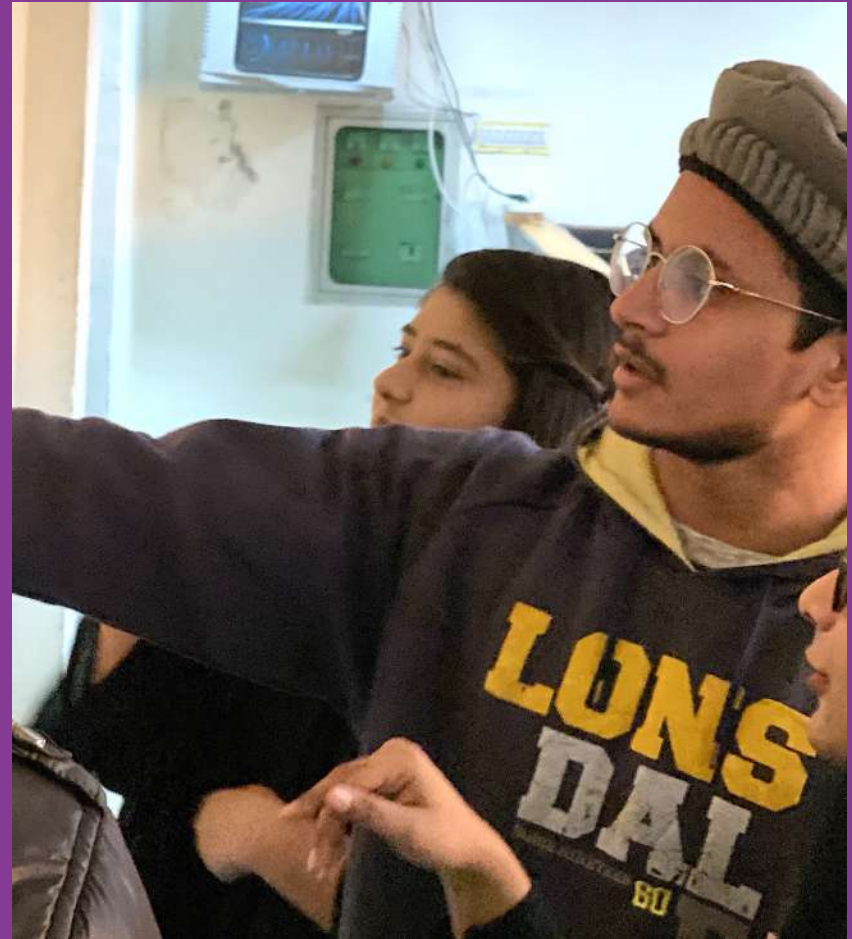
- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or Equivalent with minimum 50% marks
- NCBA&E Entry Test is mandatory

Introduction

Information Technology (IT) plays important part in education systems. Essentially, IT professionals are the innovative users of technology. Mostly IT utilizes existing software, applications and operating systems in tandem to create a larger system that solves a specific business problem. IT constructs a network from established building blocks to carry out a task, such as an automated supplies ordering service. Due to the nature of the work, IT professionals are more likely to interact with clients and co-workers outside of their department. They may help explain to a client how to solve technology problems or work with executives and business owners to construct a technology plan that will meet their business needs. IT students will study network and database design in depth, and receive an introduction to basic theory and applied mathematics. Successful IT candidates will possess strong critical thinking skills; IT professionals are tasked with resourcefully and cost-effectively applying the tools at their disposal.



ROAD MAP: BS in Information Technology

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 101	Introduction to ICT	2, 1	CS 104	Object Oriented Programming	3, 0
CS 102	Programming Fundamentals	3, 0	CSL 104	Object Oriented Programming Lab	0, 1
CSL 102	Programming Fundamentals Lab	0, 1	HU 102	Communication & Presentation Skills	3, 0
HU 101	English Composition & Comprehension	3, 0	IT 101	Formal Methods	3, 0
MT 101	Calculus & Analytical Geometry	3, 0	MT 102	Probability & Statistics	3, 0
NS 101	Applied Physics	3, 0	UE 101	Financial Accounting	3, 0
			UE 401	Islamic Studies / Ethics	2, 0
	Total	14 + 2 = 16		Total	17 + 1 = 18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 202	Data Structures & Algorithms	3, 0	CS 302	Operating Systems	3, 1
CSL 202	Data Structures & Algorithms Lab	0, 1	CSL 302	Operating Systems Lab	0, 1
CS 203	Discrete Structures	3, 0	CS 407	Information Security	3, 0
HU 201	Introduction to Economics	3, 0	CS 305	Computer Networks	3, 0
IT 201	Modeling and Simulation	3, 0	CSL 305	Computer Networks Lab	0, 1
MT 201	Linear Algebra	3, 0	IT 102	IT Project Management	3, 0
	Total	15 + 1 = 16		Total	12 + 3 = 15

ROAD MAP: BS in Information Technology

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 206	Database Systems	3, 0	IT 302	Web Technologies	3, 0
CSL 206	Database Systems Lab	0, 1	IT 401	IT Infrastructure	3, 0
IT 301	Software Requirements Engineering	3, 0	IT xxx	IT Elective –I	3, 0
IT 202	System and Network Administration	3, 0	IT xxx	IT Elective –II	3, 0
ITL 202	System and Network Administration Lab	0, 1	HU 301	Technical and Business Writing	3, 0
CS 303	Software Engineering	3, 0			
UE 402	Human Resource Management	3, 0			
	Total	15 + 2 = 17		Total	15

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
IT 4xx	IT Elective –III	3, 0	IT 4xx	IT Elective –V	3, 0
IT 4xx	IT Elective –IV	3, 0	IT 601	Cyber Security	3, 0
IT 401	Final Year Project –I	0, 3	IT 402	Final Year Project –II	0, 3
IT 501	Virtual Systems and Services	3, 0	IT 701	Database Administration and Management	3, 0
ITL 501	Virtual Systems and Services Lab	0, 1	ITL 701	Theory of Automata	0, 1
HU 401	Pakistan Studies	2, 0	HU 402	Professional Practices	3, 0
	Total	14 + 1 = 15		Total	12+ 4 = 16



MS/MPhil Program

Computer Science

Master of Philosophy in Computer Science

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education in relevant field with minimum 2.50 CGPA.
- NCBA&E Entry Test is mandatory

Introduction

The Master of Science in Computer Science program is a terminal degree program designed to prepare students for more highly productive careers in industry. The main aim of the degree program is depth of knowledge and research competence in the domain of computer science. The program is designed for students who possess a bachelor's degree in computer science from an accredited institution. Students with a bachelor's degree in other than computer science are encouraged to apply as well, with the understanding that they may be required to complete remedial course work in addition to the requirements of the MS (CS) degree. Students can enhance their skills by embracing new development and training along with the ability to effectively disseminate knowledge. The students are able to apply in particular specialization areas.



The specialization areas are as follows:

- | | |
|-----------------------------|-------------------------|
| ■ Software Engineering | ■ Blockchain Technology |
| ■ Cloud Computing | ■ Cognitive Machines |
| ■ Artificial Intelligence | ■ Smart Cities |
| ■ Software-defined Networks | ■ Quantum Computing |
| ■ Big Data Analytics | ■ Cloud Robotics |

ROAD MAP: MS / MPhil in Computer Science

TOTAL SEMESTERS 04

CREDIT HOURS 31

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 501	Advanced Analysis of Algorithms	3	CS 534	Theory of Automata -II	3
CS 505	Advanced Operating Systems	3	CS 5xx	Elective -I	3
CS 507	Theory of Programming Languages	3	CS 5xx	Elective -II	3
			SS 3xx	Research Methodology	1
	Total	9		Total	10

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
CS 5xx	Elective -III	3	CS 5xx	Elective -IV	3
CS 5xx	MS Thesis -I	3	CS 5xx	MS Thesis -II	3
	Total	6		Total	6

A close-up photograph of a robotic hand holding a laptop keyboard. The hand is made of metal and has several white cables attached to it. The background is a solid blue color. The image is overlaid with a semi-transparent purple filter.

PhD Program

Computer Science

Doctor of Philosophy in Computer Science

Program Duration: 3 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 18 Years of Education in relevant field with minimum 3.00 CGPA.
- Entry Test is mandatory



Introduction

The Doctoral degree in Computer Science is considered to be the core of the department and is profoundly integrated with research based practices and similar activities. This degree ensures to promote the qualities of independent research in the students making them capable of producing following and collaborating different research ideas.

The specialization areas are as follows:

- | | |
|-----------------------------|---------------------------|
| ■ Smart Health Care | ■ Blockchain Technology |
| ■ Cloud Computing | ■ Cognitive Computing |
| ■ Artificial Intelligence | ■ Smart Cities |
| ■ Software-defined Networks | ■ Quantum Computing |
| ■ Big Data Analytics | ■ Cloud Robotics |
| ■ Internet of Things (IoT) | ■ Adaptive Control System |

ROAD MAP: PhD in Computer Science

TOTAL SEMESTERS 04

CREDIT HOURS 30

Semester: 01

Semester: 02

S.Code	Course Title	Cr. Hrs.	S.Code	Course Title	Cr. Hrs.
D 01	Deficiency	0	PHEL04	Elective -IV	3
PHEL01	Elective -I	3	PHEL05	Elective -V	3
PHEL02	Elective -II	3	PHEL06	Elective -VI	3
PHEL03	Elective -III	3			
	Total	9		Total	9

Semester: 03-04

Semester: 05-06

S.Code	Course Title	Cr. Hrs.	S.Code	Course Title	Cr. Hrs.
	Synopsis	0	CS 889	Dissertation	12
	Total	0		Total	12

FACULTY OF SOCIAL SCIENCES

01

Department of
Mathematics

02

Department of
Economics

03

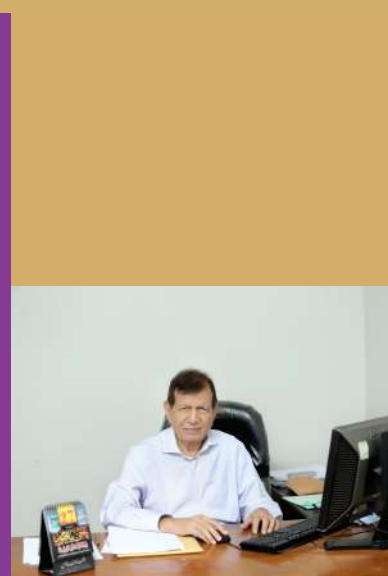
Department of
Statistics

Dr. Abdul Khalique

Dean

Message

The faculty of Social Sciences consists of three disciplines, Department of Mathematics, Department of Statistics and the Department of Economics, All the three departments are staffed by highly qualified faculty members. Most of the faculty members are focusing on research. By 2021, the faculty of social sciences has produced 103 PhDs (64 in statistics, 16 in mathematics and 23 in Economics) and 168 M.Phils (75 in Statistics, 37 in Mathematics and 56 in Economics) Undergraduate programs are progressing well in mathematics and Economics. Some new programs have been launched as Associate Degree programs and in Statistics some new attractive programs are being launched. Students are invited to join the faculty programs to shape their future careers.



Department of Mathematics

01

ADP
Programs

02

Undergraduate
Programs

03

Masters
Programs

04

M.Phil.
Programs

05

Ph.D.
Programs

Associate Degree Program



Mathematics

Associate Degree Program in Mathematics

Program Duration: 2 Years

- **Timing:** Morning (Monday-Saturday)
- **Location:** Lahore (Main Campus)
- **Recognized By:**
Higher Education Commission

Entry Requirements

- 12 year of Education, F.A. / F.Sc. / I.C.S with Mathematics
- A-Level, DAE, (Mathematics)
- NCBA&E Test is mandatory

INTRODUCTION

This program is intended to equip the young scientists with the techniques of mathematics to solve the problems in the science subjects especially in mathematics and computing science. The ADP two years program not only deal with the science subjects but also give the awareness of the social sciences specially in Economics, Statistics, Computer Science and Mathematics.

The program will be of Four (04) semester's duration with 70 credit hours.



The Combinations are as follows:

- Mathematics A, Mathematics B & Computer Science
- Mathematics A, Mathematics B & Statistics
- Mathematics A, Mathematics B & Economics
- Mathematics, Statistics & Economics
- Mathematics, Statistics & Computer Science

ROAD MAP: ADP in Mathematics

TOTAL SEMESTERS 04

CREDIT HOURS 70

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
MATH112	Calculus-I	3, 0	MATH113	Calculus-II	3, 0
CS105	Introduction to ICT	3, 0	CS104	Object Oriented Paradigm	3, 0
CS102	Programming Fundamentals	3, 0	CSL104	Object Oriented Paradigm Lab	1, 0
CSL102	Programming Fundamentals Lab	0, 1	HU401	Pakistan Studies	2, 0
HU101	English Composition & Comprehension	3, 0	HU102	Communication & Presentation Skills	3, 0
MATH101	Vector Analysis	3, 0		Elements of Set Theory and Mathematical Logic	3, 0
HU201	Islamic Studies / Ethics	2, 0	STAT 111	Probability and Statistics	3, 0
	Total	17+1 = 18		Total	18

Semester: 03

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
MATH102	Number Theory	3, 0	MATH 312	Differential Equations	3, 0
CS203	Discrete Structures	3, 0	PSY101	Psychology	3, 0
CS206	Database Systems	3, 0	LANG 204	Foreign Language- Chinese	3, 0
CSL206	Database Systems Lab	1, 0	STAT 114	Business Statistics	3, 0
MT201	Linear Algebra	3, 0	MATH 202	Mechanics-II	3, 0
MATH201	Mechanics-I	3, 0	MATH515	Computer Tools for Mathematics	3, 0
	Total	16		Total	18

Undergraduate Program

**Bachelor of
Science in
Mathematics**

Bachelor of Science in Mathematics (Hons)

Program Duration: 4 Years

- **Timing:** Morning (Monday-Saturday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education, Intermediate, A-Level, DAE with Mathematics and minimum 45% marks
- NCBA&E Test is mandatory



Mission

This program is intended to equip the young scientists with the techniques of mathematics to solve the problems in the science subjects especially in mathematics and computing science. The B.S. four years program not only deal with the science subjects but also give the awareness of the social sciences specially in Economics, Statistics, Computer Science and Mathematics.

Introduction

The program will be of eight (08) semester's duration with 136 credit hours. However, a student must take 81 compulsory credit hours in Mathematics.

The Combinations are as follows:

- Mathematics A, Mathematics B & Computer Science
- Mathematics A, Mathematics B & Statistics
- Mathematics A, Mathematics B & Economics
- Mathematics, Statistics & Economics
- Mathematics, Statistics & Computer Science

ROAD MAP: BS in Mathematics

TOTAL SEMESTERS 08

CREDIT HOURS 136

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MATH 112	Calculus-I	3, 0	MATH 113	Calculus-II	3, 0
CS 105	Introduction to ICT	3, 0	CS 104	Object Oriented Paradigm	3, 0
CS 102	Programming Fundamentals	3, 0	CSL 104	Object Oriented Paradigm Lab	1, 0
CSL 102	Programming Fundamentals Lab	1, 0	HU 401	Pakistan Studies	2, 0
HU 101	English Composition & Comprehension	3, 0	HU 102	Communication & Presentation Skills	3, 0
MATH 101	Vector Analysis	3, 0	MATH 577	Elements of Set Theory and Mathematical Logic	3, 0
HU 201	Islamic Studies / Ethics	2, 0	STAT 111	Probability and Statistics	3, 0
	Total	18		Total	18

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MATH102	Number Theory	3, 0	SC 301	Differential Equations	3, 0
CS203	Discrete Structures	3, 0	PSY 101	Psychology	3, 0
CS 206	Database Systems	3, 0	UE 201	Foreign Language- Chinese	3, 0
CSL 206	Database Systems Lab	1, 0	STAT 114	Business Statistics	3, 0
MT 201	Linear Algebra	3, 0	MATH 202	Mechanics-II	3, 0
MATH 201	Mechanics-I	3, 0	MATH 515	Computer Tools for Mathematics	3, 0
	Total	16		Total	18

ROAD MAP: BS in Mathematics

TOTAL SEMESTERS 08

CREDIT HOURS 136

Semester: 05

Semester: 06

S.Code	Subject Name	Cr. Hrs.	S.Code	Subject Name	Cr. Hrs.
MATH 511	Real Analysis-I	3, 0	MATH 521	Real Analysis-II	3, 0
MATH 512	Algebra-I	3, 0	MATH 522	Algebra-II	3, 0
MATH 513	Complex Analysis-I	3, 0	MATH 531	Functional Analysis	3, 0
MATH 514	Topology	3, 0	MATH 536	Complex Analysis-II	3, 0
MATH 572	Vector and Tensor Analysis	3, 0	MATH 541	Mechanics	3, 0
	Elective - I	3, 0		Elective -II	3, 0
	Total	18		Total	18

Semester: 07

Semester: 08

S.Code	Subject Name	Cr. Hrs.	S.Code	Subject Name	Cr. Hrs.
MATH 555	Mathematical Physics-I	3, 0	MATH 565	Mathematical Physics-II	3, 0
MATH 525	Numerical Analysis-I	3, 0	MATH 535	Numerical Analysis-II	3, 0
MATH534	Partial Differential Equations	3, 0		Elective V	3, 0
	Elective –III	3, 0		Elective -VI	3, 0
	Elective –IV	3, 0		Elective –VII	3, 0
	Total	15		Total	15

Undergraduate Program

**Bachelor of
Science in
Mathematics
(2 Years)**

Bachelor of Science in Mathematics (Hons)(2 Years)

After 14 years of Education with the combination of Mathematics A and Mathematics B

Program Duration: 2 Years

- **Timing:** Morning (Monday-Saturday)
- **Location:** Lahore (Main Campus)
- **Recognized By:**
Higher Education Commission

Entry Requirements

- 12 year of Education, F.A. / F.Sc. / I.C.S with Mathematics
- A-Level, DAE, (Mathematics)
- NCBA&E Test is mandatory

INTRODUCTION

This program is intended to equip the young scientists with the techniques of mathematics to solve the problems in the science subjects especially in mathematics and computing science. The ADP two years program not only deal with the science subjects but also give the awareness of the social sciences specially in Economics, Statistics, Computer Science and Mathematics.

The program will be of Four (04) semester's duration with 70 credit hours.



ROAD MAP: Mathematics(2 Years)

TOTAL SEMESTERS 04

CREDIT HOURS 90

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
MATH512	Algebra-I	3, 0	MATH524	Ordinary Differential Equations	3, 0
STAT 101	Introduction to statistics	3, 0	MATH536	Complex Analysis-II	3, 0
MATH572	Vector and Tensor Analysis	3, 0	MATH541	Mechanics	3,0
MATH513	Complex Analysis-I	3, 0	MATH521	Real Analysis-II	3, 0
MATH511	Real Analysis-I	3, 0	MATH 577	Elements of Set Theory and Mathematical Logic	3, 0
			MATH522	Algebra-II	3, 0
	Total	15		Total	18

Semester: 03 (1st Summer)

Semester: 05

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
CS105	Introduction to ICT	3, 0	MATH531	Functional Analysis	3, 0
HU101	English Composition & Comprehension	3, 0	MATH565	Mathematical Physics-II	3, 0
	Total	6	MATH535	Numerical Analysis-II	3, 0

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.			
MATH514	Topology	3, 0		Elective - III	3, 0			
MATH534	Partial Differential Equations	3, 0		Elective - IV	3, 0			
MATH555	Mathematical Physics-I	3, 0		Total	18			
MATH525	Numerical Analysis-I	3, 0	Semester: 06 (2nd Summer)					
	Elective - I	3, 0				Sr.#	Subject Name	Cr. Hrs.
	Elective - II	3, 0				HU102	Communication & Presentation Skills	3, 0
	Total	18				MATH521	Number Theory	3, 0
			Total		6			

MS/ MPhil Program

**MS / MPhil in
Mathematics**

MS /MPhil in Mathematics

Program Duration: 2 Years

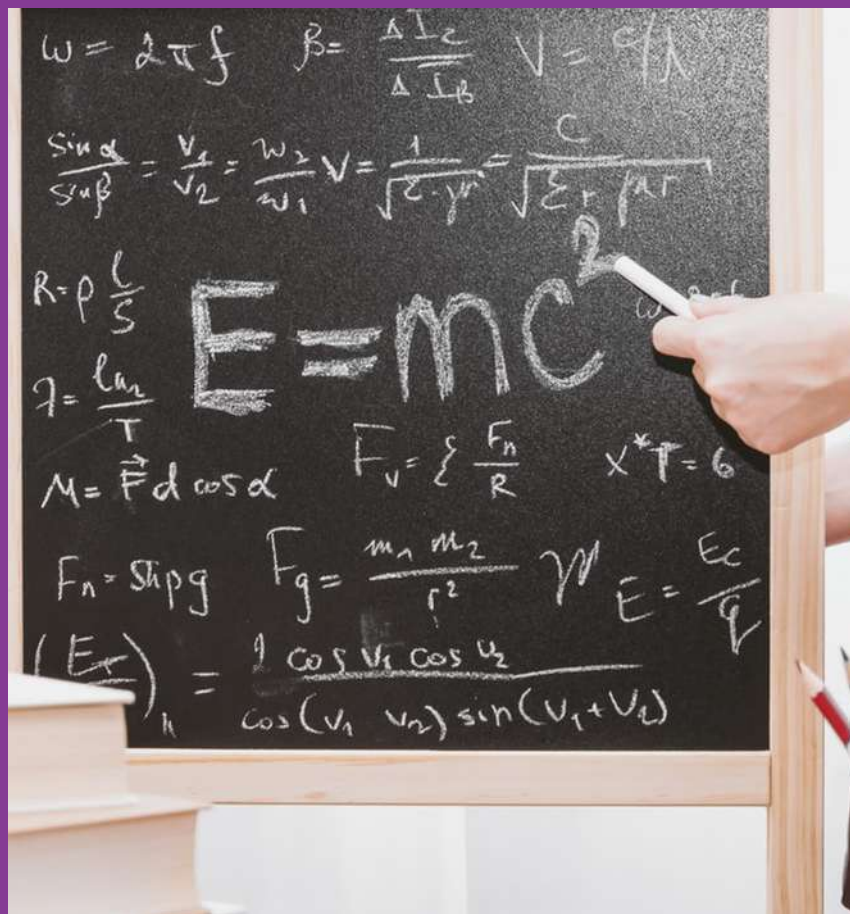
- **Timing:** Morning (Monday-Thursday)
- **Timing:** Weekend (Saturday- Sunday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education, BS (Hons), M.Sc / MA or equivalent in Mathematics with minimum 45% marks or 2.50 C.G.P.A
- NCBA&E Test is mandatory

Introduction

The mission of department of mathematics is to provide intensive research in M.Phil. program that ultimately prepares scholars with research competence and leadership at international level. A wide range of research specially in Analysis, Applied Functional Analysis, Numerical Solution of ODE's, PDE's, Special Functions, Orthogonal Polynomials, Optimization, or Fluid Mechanics are the main targets for the research scholars to encourage them for solving the difficult problems facing the industry or in other attached departments.



ROAD MAP: MPhil in Mathematics

TOTAL SEMESTERS 04

CREDIT HOURS 30

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MATH 725	Research Methods	3, 0	MATH 710	Research Work Shop-II	3, 0
MATH 709	Research Work Shop-I	3, 0		Elective -III	3, 0
	Elective - I	3, 0		Elective -IV	3, 0
	Elective - II	3, 0		Elective -V	3, 0
	Total	12		Total	12

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Synopsis		MATH 789	Dissertation	6, 0
	Total			Total	6

ROAD MAP: MS / MPhil in Mathematics

List of Elective Courses

Elective Courses can be selected from the following list or as approved by the Department

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MATH 701	Real and Complex Analysis	3	MATH 724	Advanced Fluid Mechanics	3
MATH 702	Advanced Algebra-I	3	MATH 726	Advanced Theory of Relativity	3
MATH 703	Computational Analysis-I	3	MATH 727	Advanced Functional Analysis	3
MATH 704	Mathematical Statistics	3	MATH 728	Game Theory in Mathematics	3
MATH 705	Advanced Special Functions	3	MATH 729	Dynamical Systems	3
MATH 706	Orthogonal Polynomials	3	MATH 730	Group Representation Theory -I	3
MATH 707	Advanced Ordinary Differential Equations	3	MATH 736	Theory of Group Characters-II	3
MATH 708	Advanced Integral Equations	3	MATH 745	Enumerative & Asymptotic Combinatorics	3
MATH 711	Group Theory	3	MATH 746	Advanced Control Theory	3
MATH 712	Advanced Algebra-II	3	MATH 747	Advanced Measure Theory	3
MATH 713	Computational Analysis-II	3	MATH 748	Advance Topics in Mathematics	3
MATH 714	Field Theory	3	MATH 751	Fractional Integration and Its Applications	3
MATH 715	Several Complex Variables	3	MATH 752	Generalized Functions and Distributions	3
MATH 716	Advanced Set Theory and Logic	3	MATH 753	Scientific Programming	3
MATH 717	Advanced Topology	3	MATH 759	Bounded Operators on L^p	3
MATH 718	Theory of Group Characters-I	3	MATH 760	Group Representation Theory -II	3
MATH 719	Advanced Partial Differential Equations	3			
MATH 720	Numerical Methods for ODEs	3			
MATH 721	Advanced Numerical Methods	3			
MATH 722	Numerical Methods for PDEs	3			
MATH 723	Linear and Non Linear Differential Equations	3			

PhD Program

**Doctor of
Philosophy in
Mathematics**

PhD in Mathematics

Program Duration: 3 Years

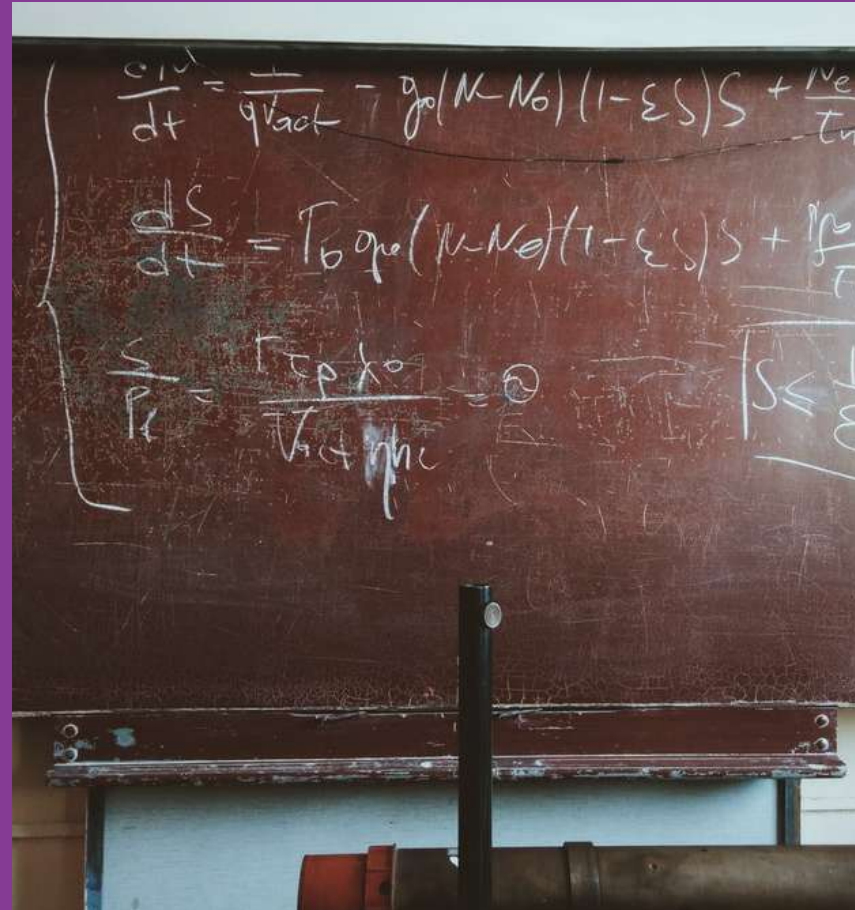
- **Timing:** Morning (Monday-Thursday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission

Entry Requirements

- 18 year of Education, M.Phil (Mathematics) with minimum 3.00 C.G.P.A.
- NCBA&E Test is mandatory

Introduction

The mission of the department of mathematics is to provide intensive research in Ph.D. program that ultimately prepare scholars with research competence and leadership at international level. A wide variety of research special action in analysis. Applied Functional Analysis, Numerical Solution of ODE's, PDE's, Special Functions, Orthogonal Polynomials, Optimization, or Fluid Mechanics etc are available. Research scholars are actively encouraged to pursue professional problem solving so that they are well-aware of industrial applications.



ROAD MAP: PhD in Mathematics

TOTAL SEMESTERS 06

CREDIT HOURS 30

Semester: 01

Semester: 02

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
	Elective – I	3, 0		Elective – IV	3, 0
	Elective – II	3, 0		Elective – V	3, 0
	Elective – III	3, 0		Elective – VI	3, 0
	Total	9		Total	9

Semester: 03

Semester: 04

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
	Comprehensive			Synopsis	0

Semester: 05 & 06

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
MATH 889	Dissertation	12			
	Total	12			

ROAD MAP: PhD in Mathematics

List of Elective Courses

Elective Courses can be selected from the following list or as approved by the Department

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
MATH 801	Real and Complex Analysis	3	MATH 824	Advanced Fluid Mechanics	3
MATH 802	Advanced Algebra-I	3	MATH 826	Advanced Theory of Relativity	3
MATH 803	Computational Analysis-I	3	MATH 827	Advanced Functional Analysis	3
MATH 804	Mathematical Statistics	3	MATH 828	Game Theory in Mathematics	3
MATH 805	Advanced Special Functions	3	MATH 829	Dynamical Systems	3
MATH 806	Orthogonal Polynomials	3	MATH 830	Group Representation Theory -I	3
MATH 807	Advanced Ordinary Differential Equations	3	MATH 836	Theory of Group Characters-II	3
MATH 808	Advanced Integral Equations	3	MATH 845	Enumerative & Asymptotic Combinatorics	3
MATH 811	Group Theory	3	MATH 846	Advanced Control Theory	3
MATH 812	Advanced Algebra-II	3	MATH 847	Advanced Measure Theory	3
MATH 813	Computational Analysis-II	3	MATH 848	Advance Topics in Mathematics	3
MATH 814	Field Theory	3	MATH 851	Fractional Integration and Its Applications	3
MATH 815	Several Complex Variables	3	MATH 852	Generalized Functions and Distributions	3
MATH 816	Advanced Set Theory and Logic	3	MATH 853	Scientific Programming	3
MATH 817	Advanced Topology	3	MATH 859	Bounded Operators on L^p	3
MATH 818	Theory of Group Characters-I	3	MATH 860	Group Representation Theory -II	3
MATH 819	Advanced Partial Differential Equations	3			
MATH 820	Numerical Methods for ODEs	3			
MATH 821	Advanced Numerical Methods	3			
MATH 822	Numerical Methods for PDEs	3			
MATH 823	Linear and Non Linear Differential Equations	3			

Department of Economics

01

**Associate
Degree
Programs**

02

**Undergraduate
Programs**

04

**M.Phil.
Program**

05

**Ph.D.
Program**

Associate Degree Programs



ADP in
Economics

Associate Degree Program in Economics

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:** Higher Education Commission

Entry Requirements

- 12 Years of Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory



Description

The program will be of four (04) semester duration with 66 credit hours. However, a student must take 48 compulsory credit hours in economics.

The Combinations are as follows:

- ADP in Economics
- ADP Economics and Banking

ROAD MAP: ADP in Economics**TOTAL SEMESTERS 04****CREDIT HOURS 66****Semester: 01****Semester - 02**

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON	Basic Micro Economics	3	ECON	Basic Macro Economics	3
ECON	Basic Mathematics	3	ECON	Mathematical Economics	3
ECON	Basic Statistics	3	ECON 107	English-II	3
ECON 101	English-I	3	ECON 108	Pakistan Studies	3
ECON 103	Islamic Studies	3	ECON 401	International Trade and Policy	3
ECON 105	Computer Application	3		Elective-I	3

Semester: 03**Semester: 04**

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 202	Intermediate Micro Economics	3	ECON 402	Research Methodology	3
ECON 208	Intermediate Macro Economics	3	ECON	Basic Econometrics	3
ECON	Monetary Economics	3	ECON 406	Applied Economics	3
ECON	Development Economics	3	ECON 403	Public Finance	3
ECON 201	English-III	3			
	Elective-II	3			

List of Elective Courses

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 644	Population Economics	3	ECON 634	Applied Econometrics and Computer Application	3
ECON 607	Managerial Economics	3	ECON 541	Major Issues in Pakistan's Economy	3

Note: Internship of minimum six weeks is necessary for the award of degree.

Undergraduate Programs

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**BS in
Economics**

Bachelor of Science in Economics

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:** Higher Education Commission

Entry Requirements

- 12 Years of Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory



Introduction

The programme will be of eight (08) semester's duration with 130 credit hours. However, a student must take 57 compulsory credit hours in economics. There will be two entry points. First students will be admitted after F.A/F.Sc. in semester-I. Second in semester-5 the students with a B.A/B.Sc. will be enrolled with deficiency courses. Special courses will be offered for these students to make up their deficiencies. Duration of the program is 4 years.

The Combinations are as follows:

- BS in Economics, Banking and Finance
- BS in Economics and IT

ROAD MAP: BS in Economics

TOTAL SEMESTERS 08

TOTAL CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 101	English-I	3, 0	ECON 107	English-II	3, 0
ECON 102	Principles of Micro Economics	3, 0	ECON 108	Pakistan Studies	2, 0
ECON 103	Islamic Studies	2, 0	ECON 109	Principles of Macro Economics	3, 0
ECON 104	Mathematics-I	3, 0	ECON 110	Mathematics-II	3, 0
ECON 105	Computer Application	3, 0		Elective (Non-economics)	3, 0
	Elective (Non-economics)	3, 0		Elective (Non-economics)	3, 0
	Total	17		Total	17

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 201	English-III	3, 0	ECON 207	English-IV	3, 0
ECON 202	Intermediate Micro Economics	3, 0	ECON 208	Intermediate Macro Economics	3, 0
ECON 203	Development Economics	3, 0	ECON 209	Statistics-II	3, 0
ECON 204	Statistics-I	3, 0	ECON 210	Agriculture Economics	3, 0
	Elective (Non-economics)	3, 0		Elective (Non-economics)	3, 0
	Elective (Non-economics)	3, 0		Elective (Non-economics)	3, 0
	Total	18		Total	18

ROAD MAP: BS in Economics

TOTAL SEMESTERS 08

TOTAL CREDIT HOURS 130

Semester: 05

Semester: 06

S.Code	Subject Name	Cr. Hrs.	S.Code	Subject Name	Cr. Hrs.
ECON 301	Micro Economics	3, 0	ECON 307	Macro Economics	3, 0
ECON 302	Econometrics-I	3, 0	ECON 308	Econometrics-II	3, 0
ECON 303	Mathematical Economics-I	3, 0	ECON 309	Mathematical Economics-II	3, 0
	Elective (Economics)	3, 0		Elective (Economics)	3, 0
	Elective (Non-economics)	3, 0		Elective (Economics)	3, 0
	Elective (Economics)	3, 0			
	Total	18		Total	15

Semester: 07

Semester: 08

S.Code	Subject Name	Cr. Hrs.	S.Code	Subject Name	Cr. Hrs.
ECON 401	International Trade Theory	3, 0	ECON 406	Applied Economics	3, 0
ECON 402	Research Methodology	3, 0	ECON 407	Islamic Economics	3, 0
ECON 403	Public Finance	3, 0	ECON 408	Research Paper	3, 0
ECON 404	History of Economics Thought	3, 0			
	Elective (Economics)	3, 0			
	Total	15		Total	9

MS/MPhil Program

The left side of the slide features three vertical bars of different colors: a green bar on the far left, a yellow bar in the middle, and a purple bar on the right. Overlapping these bars are three circles of the same colors (green, yellow, and purple) from left to right, creating a layered effect.

MS / MPhil in
Economics

Master of Philosophy in Economics

Program Duration: 2 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:** Higher Education Commission

Entry Requirements

- 16 Years of Education or equivalent with minimum 2.5 CGPA
- NCBA&E Entry Test is mandatory



Introduction

M.Phil is a 2 years degree program. During the first two semesters, the students will complete 24 credit hours out of the courses mentioned below. During the 3rd and 4th semesters, students will conduct research on a topic of their choice in consultation with their research supervisor.

Research Areas:

- Development Economics
- Microeconomics
- Macroeconomics
- Population and Manpower Economics
- Major Issues of Pakistan's Economy

ROAD MAP: MPhil in Economics

TOTAL SEMESTERS 04

CREDIT HOURS 30

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 701	Advanced Micro Economic Theory	3, 0	ECON 704	Advanced Econometrics & Forecasting	3, 0
ECON 711	Advanced Macro Economic Theory	3, 0	ECON 723	Issues in Pakistan's Economy	3, 0
RGEN 725	Research Methods	3, 0	RGEN 710	Research Workshop-II	3, 0
RGEN 709	Research Workshop-I	3, 0		Elective Course	3, 0
	Total	12		Total	12

Semester: 03 & 04

C.Code	Subject Name	Cr. Hrs.
ECON 789	Synopsis and Dissertation	6, 0
	Total	6

List of Elective Courses

C.Code	Subject Name	Cr. Hrs.
ECON 714	Islamic Economics & Finance	3, 0
ECON 716	Advanced Monetary Economics	3, 0
RGEN 731	Advanced Development Economics	3, 0
RGEN 746	Advanced Economics of Environment and Natural Resources	3, 0
RGEN 736	Advanced Economics of Population and Manpower	3, 0
RGEN 721	Advanced International Economics	3, 0

PhD Program



PhD in
Economics

Doctor of Philosophy in Economics

Program Duration: 3 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:** Higher Education Commission

Entry Requirements

- As laid down by the Higher Education Commission of Pakistan
- NCBA&E Entry Test is mandatory



Introduction

Ph.D. is a 3 years program. The students will complete 18 credit hours out of the courses mentioned below conduct research on a topic of their choice in consultation with their research supervisor and submit their dissertation of 12 credit hours.

Research Areas:

- Development Economics
- Microeconomics
- Macroeconomics
- Population and Manpower Economics
- Major Issues of Pakistan's Economy

ROAD MAP: PhD in Economics

TOTAL SEMESTERS 06

CREDIT HOURS 30

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 801	Topics in Micro Economic Theory	3, 0	ECON 805	Topics in Econometrics & Forecasting	3, 0
ECON 811	Topics in Macro Economic Theory	3, 0		Elective – II	3, 0
	Elective - I	3, 0		Elective – III	3, 0
	Total	9		Total	9

Semester: 03 - 06

List of Elective Courses

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ECON 890	Synopsis and Dissertation	12, 0	ECON 806	Topics in Financial Modeling	3, 0
	Total	12	ECON 807	Topics in Economics of Business Finance	3, 0
			ECON 817	Topics in Advance Monetary Economics	3, 0
			ECON 815	Topics in Islamic Economics & Finance	3, 0
			ECON 822	Topics in International Economics	3, 0
			ECON 824	Contemporary Issues in Pakistan's Economy	3, 0
			ECON 832	Topics in Development Economics	3, 0
			ECON 837	Topics in Dynamics of Population and Manpower	3, 0
			ECON 838	Political Economy of Development	3, 0
			ECON 849	Growth Economics	3, 0
			ECON 851	Topics in Econometrics & Forecasting	3, 0

Department of Statistics

01

ADP
Programs

02

Undergraduate
Programs

04

M.Phil.
Programs

05

Ph.D.
Programs

Associate Degree Program



**ADP in
Statistics**

ADP in Statistics

Program Duration: 2 Years

- **Timing:** Morning (Monday-Saturday)
- **Location:** Lahore (Main Campus)
- **Recognized By:**
Higher Education Commission

Entry Requirements

- 12 year of Education with Mathematics and minimum 45% marks
- NCBA&E Test is mandatory



INTRODUCTION

This Program is intended to train the young students with the techniques of statistics to solve problems in science subjects required mathematics and computations. The allied subjects offered are (Economics and Mathematics) or (Mathematics and Computer Science), these should help the students to get job in different organizations.

The Combinations are as follows:

- Statistics with Computer Science
- Statistics with Economics
- Statistics with Mathematics

ROAD MAP: Statistics

TOTAL SEMESTERS 04

CREDIT HOURS 66

Semester: 01

Semester: 02

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
01	Calculus-I	4, 0	07	Calculus-II	4, 0
02	English-I (Functional English)	3, 0	08	English-II (Communication Skills)	3, 0
03	Islamic Studied/Ethics	3, 0	09	Pakistan Studies	2, 0
04	Introduction to computers	2, 0	10	Introduction to Probability	3, 0
05	Principles of Micro Economics	3, 0	11	Introduction to Regression Analysis	3, 0
06	Introduction Statistics	3, 0	12	Principles of Macro Economics	2, 1
	Total	18		Total	18

Semester: 03

Semester: 04

Sr.#	Subject Name	Cr. Hrs.	Sr.#	Subject Name	Cr. Hrs.
13	English III (Technical Writing and Presentation Skills)	3, 0	18	Any Foreign Language	3, 0
14	Ordinary Differential Equations	3, 0	19	Linear Algebra	3, 0
15	Sampling Techniques	3, 0	20	Introduction to Statistical Packages	3, 0
16	Probability & Probability Distributions	3, 0	21	ANOVA & Experimental Design	3, 0
17	Intermediate Micro Economics	3, 0	22	Intermediate Macro Economics	3, 0
	Total	15		Total	15

Undergraduate Program

**Bachelor of
Science in
Statistics**

**Bachelor of
Science in
Actuarial
Science**

Bachelor of Science in Statistics

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Introduction

The program is spread over eight (8) semesters with 130 credit hours. It comprises of courses from statistics and courses from other related disciplines such as mathematics and economics. The entry is after intermediate with mathematics or other equivalent examinations with at least 45 percent marks.



The Combinations are as follows:

- Statistics with Combination of Economics & Mathematics
- Statistics with Combination of Computer Science & Mathematics

ROAD MAP: BS in Statistics

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ISE 111	Islamiat/Ethics	2	PST 111	Pakistan Studies	2
ENG 111	English-I (Language in Use)	3	ENG 112	English-II (Academic Reading and Writing)	3
COMP 111	Computer (Introduction and Applications)	3	MATH 103	Mathematics A-II [Plane Curves & Analytic Geometry]	4
MATH 101	Mathematics A-I [Calculus (I)]	4	ECON 123	Basic Economics-II	3
ECON 121	Basic Economics-I	3	ECON 124	Basic Economics Lab-II	1
ECON 122	Basic Economics Lab-I	1	STAT 103	Statistics-II	3
STAT 101	Statistics-I	3	STAT 104	Statistics Lab-II	1
STAT 102	Statistics Lab-I	1			
	Total	20		Total	17

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENG 211	English-III (Communication Skills)	3	ENG 212	English-IV (English for Practical Aims)	3
MATH 201	Mathematics A-III [Linear Algebra]	4	MATH 203	Mathematics A-IV [Ordinary Differential Equations]	4
ECON 221	Basic Economics-III	3	ECON 223	Basic Economics-IV	3
ECON 222	Basic Economics Lab-III	1	ECON 224	Basic Economics Lab-IV	1
STAT 201	Statistics-III	3	STAT 203	Statistics-IV	3
STAT 202	Statistics Lab-III	1	STAT 204	Statistics Lab-IV	1
			SOC 211	Introduction to Sociology	3
	Total	15		Total	18

ROAD MAP: BS in Statistics

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
STAT-301	Parametric and Nonparametric Tests (Theory)	3	STAT 310	Advanced Experimental Design (Theory)	3
STAT-302	Parametric and Nonparametric Tests (Lab)	1	STAT 311	Advanced Experimental Design (Lab)	1
STAT-303	Design and Analysis of Experiments (Theory)	3	STAT 312	Advanced Sampling Techniques (Theory)	3
STAT-304	Design and Analysis of Experiments (Lab)	1	STAT 313	Advanced Sampling Techniques (Lab)	1
STAT-305	Sampling Techniques (Theory)	3	STAT 314	Multivariate Techniques (Theory)	3
STAT-306	Sampling Techniques (Lab)	1	STAT 315	Multivariate Techniques (Lab)	1
STAT-307	Probability Theory (Theory)	3	STAT 316	Probability Distributions (Theory)	3
STAT-308	Probability Theory (Lab)	1	STAT 317	Probability Distributions (Lab)	1
STAT-309	Statistical Computer Packages	2	STAT 318	Population Studies	2
	Total	18		Total	18

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
STAT 401	Statistical Inference-I (Theory)	3	STAT 407	Statistical Inference-II (Theory)	3
STAT 402	Statistical Inference-I (Lab)	1	STAT 408	Statistical Inference-II (Lab)	1
STAT 403	Basic Econometrics (Theory)	3	STAT 409	Applied Econometrics (Theory)	3
STAT 404	Basic Econometrics (Lab)	1	STAT 410	Applied Econometrics (Lab)	1
STAT 405	C++ Computer Programming Language	3	STAT 413	Time Series Analysis-II	3
STAT 406	Research Methodology	2	STAT 414	Multivariate Analysis	3
STAT 411	Time Series Analysis-I	3	STAT 415	Total Quality Management	3
STAT 412	Operation Research	3			
	Total	19		Total	17

Bachelor of Science in Actuarial Science

Program Duration: 4 Years

- **Timing:** Morning (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 12 Years of Education or equivalent with minimum 45% marks
- NCBA&E Entry Test is mandatory

Introduction

This Program is intended for students who are interested to adopt career in insurance business field or banking industry. They may also like to have career in finance.



ROAD MAP: BS in Actuarial Science

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ISE 111	Islamiat/Ethics	2	PST 111	Pakistan Studies	2
ENG 111	English-I (Language in Use)	3	ENG 112	English-II (Academic Reading and Writing)	3
STAT 101	Statistics-I (Introduction)	3	STAT 103	Statistics-II (Probability and Probability Distributions)	3
MATH 101	Mathematics – I (Calculus)	3	ECON 123	Mathematics – II (Linear Algebra)	3
COMP 101	Computer – I (Introduction)	3	COMP 103	Computer – II (Database Development and Design)	3
ECON 121	Principles of Economics (Micro)	3	ECON 123	Principles of Economics (Macro)	3
	Total	17		Total	17

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ENG 211	English-III (Communication Skills)	3	ENG 212	English-IV (English for Practical Aims)	3
STAT 201	Statistics-III (Statistical Decision Theory)	3	STAT 203	Statistics-IV (Statistics and Actuarial Computing)	3
MATH 201	Mathematics – III (Differential Equations)	3	MATH 203	Mathematics – IV (Numerical Analysis)	3
ACT 202	Introduction to Actuarial Science	3	ACT 203	Financial Mathematics	3
STAT 202	Introduction to Demography	2	ECON 221	International Economics	3
ACT 204	Introduction to Finance	3	LANG 201	Chinese/German/French Language	2
	Total	17		Total	17

ROAD MAP: BS in Actuarial Science

TOTAL SEMESTERS 08

CREDIT HOURS 130

Semester: 05

Semester: 06

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ACT 301	Introduction to Life Insurance	3	ACT 308	Survival Models	3
ACT 305	Advance Financial Math	3	ACT 309	Life Contingencies and Life Tables	3
ACT 306	Advance Corporate Finance	3	ACT 310	Takaful and Actuarial Practice	3
ACT 307	Islamic Modes of Finance	3	ACT 311	Risk Management (Financial Economics-I)	3
STAT 333	Stochastic Models	3	ACT 312	Investment and Portfolio Management	3
STAT 312	Financial Reporting	3	STAT 4706	Research Methodology	3
	Total	18		Total	18

Semester: 07

Semester: 08

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
ACT 413	Mortality Data Analysis	3	ACT 417	Financial Risk Management	3
ACT 414	Advance Risk Management (Financial Economics –II)	3	STAT 4713	Specialization-IV (Internship/Project/Thesis/Course)	3
ACT 416	Insurance and Pension Law	3	ACT 415	Employee Benefit Management	3
ACT 4044	Equity and Derivative Market	3		Specialization-IV (Internship/Project/Thesis/Course)	3
	Specialization-I	3		Specialization-IV	3
	Specialization-II	3		Specialization-V	3
	Total	18		Total	18

MS/MPhil Program



MS / MPhil
in Statistics

MS/MPhil in Statistics

Program Duration: 2 Years

- **Timing:** 1:00 PM To onward (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- 16 Years of Education with Statistics or equivalent with minimum 2.2 CGPA
- NCBA&E Entry Test is mandatory.



Introduction

The department of statistics started during 2002 under the supervision of late Prof. Dr. Munir Ahmad. The main objective of the program is to prepare the students for deep understanding of various statistical techniques applied in different fields. Courses on advanced sampling survey, mathematical statistics, statistical inference, categorical data analysis, linear models, advanced statistical computing and population studies etc. are offered. So far more than 70 M.Phil students have graduated.

Research Areas:

- Distribution Theory
- Survey Sampling
- Applied Statistics
- Quality Control
- Biostatistics
- Environ Statistics
- Climatology

ROAD MAP: MPhil in Statistics

TOTAL SEMESTERS 04

CREDIT HOURS 30

Semester: 01

Semester: 02

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
STAT 709	Research Work Shop-I	3	STAT 710	Research Workshop-II	3
STAT 725	Research Methods	3		Elective II	3
	Elective I	3		Elective III	3
	Total	9		Total	9

Semester: 03

Semester: 04

C.Code	Subject Name	Cr. Hrs.	C.Code	Subject Name	Cr. Hrs.
	Elective IV	3		Dissertation	6, 0
	Elective V	3			
	Total	6		Total	6

PhD Program



PhD in
Statistics

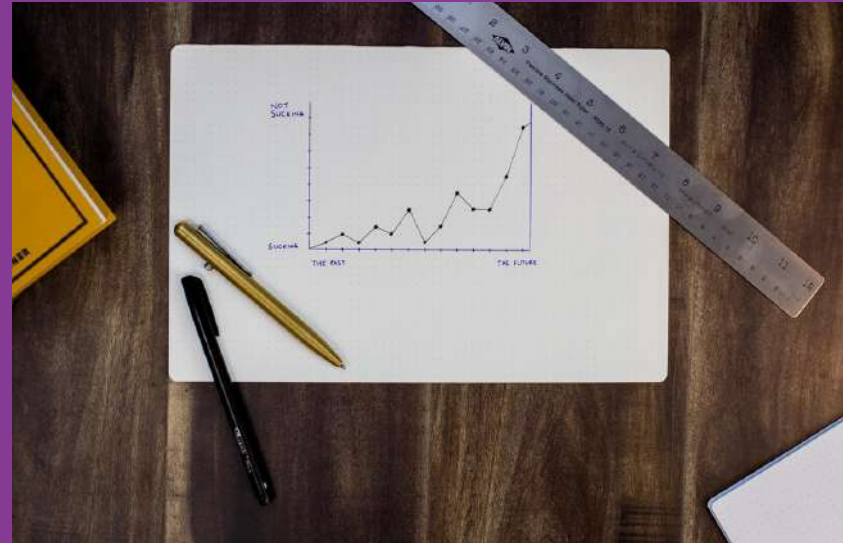
PhD in Statistics

Program Duration: 3 Years

- **Timing:** 1:00 PM To onward (Monday-Friday)
- **Location:** Lahore
- **Recognized By:**
Higher Education Commission (HEC) of Pakistan

Entry Requirements

- As laid down by the Higher Education Commission of Pakistan
- NCBA&E/GAT/ETC Entry Test is mandatory



Introduction

The department offers intensive research Ph.D. program. This program prepares the students for research competence and leadership at the international level. The department has produced more than 55 Ph.D.'s and all of them are placed in good job positions inside and outside of Pakistan. We look forward for a good future for every forthcoming graduate.

Research Areas:

- Distribution Theory
- Survey Sampling
- Applied Statistics
- Quality Control
- Biostatistics
- Environ Statistics
- Climatology

ROAD MAP: PhD in Statistics

TOTAL SEMESTERS 06

CREDIT HOURS 30

Semester: 01

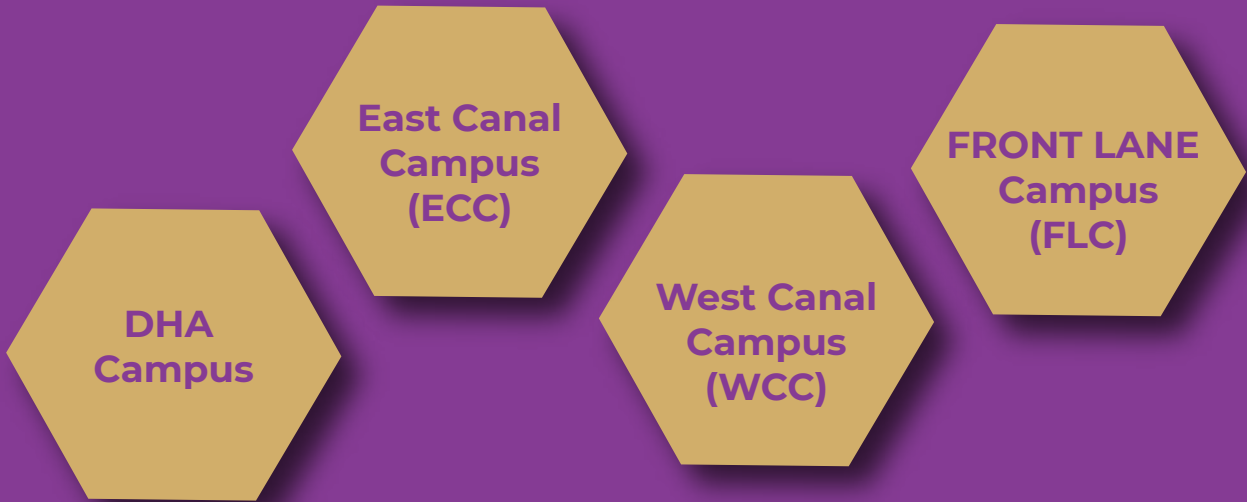
Semester: 02

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
	Elective – I	3		Elective IV	3
	Elective – II	3		Elective V	3
	Elective – III	3		Elective VI	3
	Total	9		Total	9

Semester: 03 - 06

C.CODE	Subject Name	Cr. Hrs.	C.CODE	Subject Name	Cr. Hrs.
	Synopsis	0	STAT 899	Research Thesis	12
	Total	0			12

Satellite Campuses



DHA Campus



Address:

DHA Phase 8 Off Ring Road. Near Paragon Housing Society, Opposite PSO Petrol Pump. Barki Road Lahore.

Tel: +92-42-37175806-7

Email ID: do.dha@ncbae.edu.pk

East Canal Campus



Address: Mian Aziz Garden, Khaira Pull, Jallo Morr, Lahore.

Tel: +92-42-36525804-7
Email ID: info.ecc@ncbae.edu.pk

West Canal Campus



Address:

178-A Abu Bakar Block, Garden Town Lahore.

Tel: +92-42-35913461-2

Email ID: info.wcc@ncbae.edu.pk

Front Lane Campus



Address:

163 Shadman II, Canal Road, Lahore.

Tel: +92-42-35970636-37

Email ID: info.flc@ncbae.edu.pk

Sub-Campuses

**MULTAN
CAMPUS**

**BAHAW-
ALPUR
CAMPUS**

**RAHIM YAR
KHAN CAMPUS**

01 Multan CAMPUS

PROGRAMS OFFERED

- BBA (Hons.)
- BS (Hons.) Economic
- BS(Hons.) Mathematics
- BS (Hons.) Computer Science
- MBA (Exec)
- M.Phil (Business)
- M.Phil (Computer Science)
- M.Phil (Economics)
- M.Phil (Mathematics)
- M.Phil (Statistics)



Address:

11 / B, Gulgasht Colony, Bosan Road, Multan.

Tel: +92(61)6524126

Email: info.multan@ncbae.edu.pk

02 Bahawalpur Campus

PROGRAMS OFFERED

- B.Com (Hons)
- BBA (Hons)
- BSCS (Hons.)
- MBA
- MBA (Exe)
- M.Phil (Business)
- M.Phil (Computer Science)
- M.Phil (Economics)
- M.Phil (Mathematics)



Address:

30-31 Model Town-A, Sarwar Shaheed Road, Bahawalpur.

Tel: +92(62)2732071-2

Email: info.bwp@ncbae.edu.pk

03 Rahim Yar Khan Campus

PROGRAMS OFFERED

- BBA (Hons)
- BS Math
- BSCS (Hons.)



Address:

21-A Businessmen Colony Rahim Yar Khan.

Tel: +92(68)-5881414-5881818

Email: info.ryk@ncbae.edu.pk

Career Development & Alumni Resource Center (CDAR)

INTRODUCTION

Career Development & Alumni Resource Center (CDAR) prepares students to launch satisfying careers through individualized, quality programs and services. Its mission is to provide career counseling for decision-making and job search services to enhance student success. This department addresses the needs of a wide range of students including those who are seeking employment and those who desire to switch from their current jobs.

It also enables students and aspiring professionals from the institute to embark on challenging training opportunities at leading companies. Every year numerous training positions open doors to an exchange of expertise, professional connections, and ideas that are beneficial to everyone involved. These opportunities are availed by the pass outs under the support and guidance of CDAR representatives.

CDAR is not only helping the pass out students in appointments on jobs but also providing internship and short term experience opportunities to the students with degrees in progress.

Career counseling and guidelines for student body are available through the department. Alumni records are also maintained by CDAR for general and occasional correspondence with the alumni.

CDAR also facilitates placements and internships of the graduates of Masters and Bachelors programs. Moreover, it offers counseling and placement services and undertakes a wide range of activities that include company presentations, on-campus job fairs, workshops on resume writing and interviewing skills, and job search strategies among others.

The objective is to help the students and companies in evaluating options and making the right choice to match their respective needs.



Career Development & Alumni Resource Center (CDAR)

MISSION

- To assist our students in career development.
- To help provide job opportunities by bringing in the companies for on-campus recruitment of eligible students.
- Providing advice, counseling and facilitating career development opportunities through employment or further education.
- Job related skills are always given highest priority at the NCBA&E Placement and Alumni Office organizes various activities in this regards to make students ready and well prepared for the job market.
- To ensure that NCBA&E graduates are employees of choice for employers in their own country and abroad.



Collaboration with Industry



Recruiting Partners of NCBA&E

1. Abacus Consulting
2. Allied Bank Limited (ABL)
3. Al-Baraka Bank
4. Askari Bank
5. Brain telecom
6. Bank Alfalah
7. Bata Pakistan
8. Berger Paints
9. British Council Pakistan
10. Buksh Group
11. Burj Bank
12. Care Foundation
13. Careem
14. Coca Cola Beverages Pakistan Limited (CCBPL)
15. Descon
16. Dawood Hercules (DH Corp.)
17. Dubai Islamic Bank
18. Fauji Fertilizer Company (FFC)
19. Faysal Bank
20. Food panda
21. Gourmet foods
22. Habib Bank Limited (HBL)
23. Habib Metropolitan Bank
24. Haleeb Foods
25. Hashoo Group
26. Jazz
27. KASHF Foundation
28. Metro Cash & Carry
29. Meezan Bank
30. Maria B
31. Muslim Commercial Bank (MCB)
32. Nestle
33. Netsol Technologies
34. Nippon Paints
35. Nishat Group
36. Orient Group of Companies

Recruiting Partners of NCBA&E

- | | | | |
|-----|---|-----|--------------------------------|
| 37. | Packages | 54. | UBER |
| 38. | Pak Elektron Limited (PEL) | 55. | United Bank Limited (UBL) |
| 39. | Pakistan State Oil (PSO) | 56. | Ufone |
| 40. | Pakistan Telecommunication Company Limited (PTCL) | 57. | United snacks |
| 41. | Roshan Packages | 58. | US Apparel |
| 42. | Sapphire Group | 59. | US Denim Mills Private Limited |
| 43. | Service Industries Limited (SIL) | 60. | Zong – China Mobile Pakistan |
| 44. | Sharif Group | | |
| 45. | Shell Pakistan | | |
| 46. | Style Textiles | | |
| 47. | Stylo Shoes | | |
| 48. | Systems Limited | | |
| 49. | Tameer Micro-finance Bank | | |
| 50. | Techlogix | | |
| 51. | Telenor | | |
| 52. | Tetra Pak | | |
| 53. | Tkxel | | |

ANNUAL JOB FAIR

NCBA&E hosts its signature event, the Annual Job Fair. This event connects NCBA&E students with prospective employers and introduces them to a myriad of job and internship opportunities offered by various public and private sector organizations. The Job Fair, this year 2020, NCBA&E welcomed 23 National and International reputed organizations, representing multiple and diverse industries. Extensive on-spot screening interviews, exchange of resumes, and engagement with the students took place.



QUALITY ASSURANCE & ENHANCEMENT CENTRE (QAEC)

OBJECTIVES OF QAEC

Quality in higher education is a dynamic entity which is the outcome of interaction among many factors including inter-alia, leadership, quality of faculty and students, infrastructure facilities, research and learning environment, governance, strategic planning, assessment procedures, and market force.

FUNCTIONS OF THE QAEC

1. The NCBAE Quality Assurance and Enhancement Centre (QAEC) is to be headed by a Director reporting directly to Rector. He is to be the correspondent with the outside bodies.
2. For promoting public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
3. For the review of quality standards and the quality of teaching and learning in each subject area.
4. For the review of academic affiliations with other institutions in terms of effective management of standards and quality of programs.
5. For defining clear and explicit standards as points of reference to the reviews to be carried out. It should also help the employees to know as to what they could expect from candidates.
6. To develop qualifications framework by setting out the attributes and abilities that can be expected from the holder of a qualification, i.e. Bachelors, Bachelor with Honors, Master's, M. Phil., Doctoral.

FUNCTIONS OF THE QAEC

7. To develop program specifications. These are standard set of information clarifying what knowledge, understanding, skills and other attributes a student will have developed on successfully completing a specific program.
8. To develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities.
9. To ensure that the university's quality assurance procedures are designed to fit in with the arrangements in place nationally for maintaining and improving the quality of Higher Education.
10. QAEC is responsible to develop procedures for the following:
 - a). Approval of new programs
 - b). Annual monitoring and evaluation including program monitoring, faculty monitoring, and students perception.
 - c). Departmental review
 - d). Student feedback
 - e). Quality assurance of Master's, M.Phil and Ph.D. degree Programs
 - f). Institutional assessment
 - g). Program specifications
 - h). Qualification framework

Syeda Rozy Rizvi

Director of Student Experience Office

Mission

Promote student success, personal and professional development through collaborative, holistic, inclusive experiences and environments.

Vision

The vision of Student Experience Office is to create an individualized student-focused path for success through active engagement with students

Message

The Student Experience Office (SEO) in the Division of Student Affairs at National College of Business Administration and Economics offers programs and services to familiarize students to university life. It also supports their successful transitions through university & encourages leadership development. It helps student engagement & co-curricular involvement while at NCBA&E. Our programs and services prepare students to achieve not only their personal, social, and academic goals but also their professional and community aspirations.



Student Experience Office ~ Kashmir Day 2021



At NCBA&E we celebrated Kashmir Solidarity Day on 9th February 2021. We warmly welcomed our Chief Guest General Retired Ghulam Mustafa & Guest of Honor Ayub Khan Mayo with Rector & Registrar at University gate with flowers and smiles. Mr. Ayub Khan Mayo praised the platform provided by NCBA&E and shared his knowledge and information on Indian Occupied Kashmir. It was wonderful and true knowledge delivered by Chief Guest General Retired Ghulam Mustafa on Indian occupied Kashmir. He described everything in details from independence of Pakistan till now 2021 what mistakes and big decisions have been taken by our army and personnels in command in perspective of Jammu & Kashmir.



Invited Mishal Khan as a Chief Guest Kashmir Day 2020

Student Experience Office ~ Orange Day 2021

Women's Day 2021



Mr. Shafqat Mehmood (Minister of Education) Visited NCBA&E and shared memorable words on education system of Pakistan.



We invited Ms. Parveen Sarwar (The first lady of Punjab) at NCBA&E. She delivered a speech on corruption and how corruption can ruin our society.



The International Women's Day is celebrated globally to recognize the social, economic, cultural and political achievements of women. On 4th March 2021 with our Chief Guest Ms. Masarrat Misbah, Guest of Honor Dr. Shahida Shamim Haider & Respected Guest Ms. Sadeyeh Shahid Haider.



We Celebrated Orange Day with Students at NCBA&E on 2nd March 2021. That event was well managed by all the students and department of Student Experience Office. Students contributed in this event by making beautiful charts and model of Orange tree.



Club and Societies

- o *Debating Society*
- o *Music Society*
- o *Photography Club*
- o *ART society*
- o *Sports Society*
- o *Blood Donner society*
- o *Dramatic society*

Campus Life

NCBA&E Campus life have overall aspect of being a student it goes beyond what you learn in the classroom. An energetic environment that is designed to give you a pleasurable academic, professional, and personal experience.



ADMISSION POLICY

The policy provides a framework for the College admissions policies and procedures. The policy applies to the admission of all categories of students to all the programs at the College. The College follows transparent admissions policy and students are selected on the basis of their merits, capabilities and talents.

The College also focuses on the diversity of students, pursues to draw applicants from different social and cultural families and attracts students who are currently under-represented in higher education.

The Student Admissions Committee is responsible for admissions that are operated fairly and in line with the College aims and objectives. The Committee is responsible for setting entry requirements for the College programs in light of HEC directives. Admissions decisions are made by the Student Admissions Committee.

Admission is subject to the guidelines given by HEC and availability of places at the College. Applications to visiting and exchange programs are also welcome.

Disabled applicants are also welcome. Special considerations and facilities are provided to disabled students but their admissions criteria are judged against the same College entry requirements and follow the same selection process. Any support they need is considered to facilitate their stay at the College.

Admissions decisions are made within a few days and in some cases it may take some longer time.

Admissions decisions are communicated to applicants by facebook and official website that may contain fee structure and specific conditions regarding provisional admissions.

Students are required to observe following rules and regulations governing their studies as may be made from time to time.

THE SEMESTER SYSTEM

The classes for different programs are conducted on the pattern of semester system. This system is based on instructional autonomy resting with the Institute/faculty and aims at progressive development of student's information level, skill and competencies accomplished over several semesters. Usually a semester is of 18 weeks duration.

ACADEMIC CALENDAR

The academic calendar comprises of two Semesters i.e. SPRING and FALL. The dates of semester along with dates of other academic events are promulgated in the calendar. Each semester runs over 18 weeks, out of which 16 weeks are reserved for regular classes, one week for terminal examination and one week for mid term exams.

MEDIUM OF INSTRUCTIONS

The medium of instructions and examinations is English

ADMISSIONS

Minimum qualifications for admission are:

- | | |
|----------------------------|---|
| For Undergrad Programs: | 12 year of education form a recognized institution or equivalent. |
| For BBA 2 Years Program: | 14 years of education from a HEC recognized university. |
| For MBA 1.5 Year Program: | 16 years of Business Education. |
| For MBA 2 Year Program: | 16 years of Non Business Education. |
| For MBA Executive Program: | 16 years of Education with minimum 3 years working experience. |
- Those applicants who have done Intermediate without mathematics shall be required to take additional prerequisites course of mathematics. Admissions to BS (CS), BBA, MBA, BSIT, BSSE and BBA 2 Years are advertised in the leading newspaper of Lahore about six weeks before commencement of each semester. A student desirous of getting admissions in one

of the above-mentioned disciplines fills in university admission form and submits online attested photocopies of academic certificates / degrees, CNIC and three photographs, and an Affidavit on 50/- Rs. Stamp Paper to the Admission Office. Students admitted whilst awaiting examinations results shall have to submit their result card in Admission office at the end of their first semester in NCBA&E, failure will axiomatically be dropped from college rolls.

- Candidates are required to appear in admission tests in the subjects of English, General Knowledge & Math for BS(CS) BSIT, BSSE and BBA 2 Years program and English & General Knowledge for BBA and MBA programs.
- Those who qualify the admission tests are interviewed by an interview committee with concerned dean in the chair.

ADMISSION POLICY OF TRANSFER STUDENTS

The admission officer shall verify the transcript of applicants for admissions coming from other Institutions with the original transcripts and make a note of it on the photocopy of the transcript (both for transfer of credits and last terminal degree). In the absence of admission officer, one of the members of admission committee shall verify the original transcripts.

The admission office shall start assessment process for the courses to be exempted immediately and complete it within one week of the admission of the candidate. If, however, the transcript is not available, the candidate would be given a definite date by which he/she should submit the transcript so that the assessment formalities are completed in time before the commencement of the semester. This verification procedure shall be applicable to degrees and certificates awarded by the private/public universities and board of education.

In the case of all other institutions the copies of transcripts shall be sent to the institutions concerned for verification. The process shall be initiated by the admission officer and the communication shall be signed by the Registrar. The assessment of courses to be exempted shall be done soon after the verification has been received from the parent institution. After this the exemption will be recorded in the database by the Examination cell.

The Admission office shall keep a record of the cases whose verification or exemption has not yet completed and ensure there is no undue delay in the finalization of these cases. The exemption orders will be preferred by the admission office and signed jointly by the concerned Dean/HoD/Director and Registrar.

TRANSFER RULES

1. Only A/B/C Grade will be exempted.
2. Students seeking transfer from other Chartered Institutions will be allowed exemptions on case to case basis up to 1/3rd of the courses offered at NCBA&E subject to verification of their transcripts by admission office, (see Paragraph 3).
3. No exemption will be provided from lower to upper level of education.

FEE PAYMENT PROCEDURE

All college dues for a particular semester shall be paid at the time of admission by the new students and by the date specified in the Academic Calendar by the other students.

In case, a student is unable to pay his/her dues by the said date, he/she shall pay 25% of the total amount at the time of registration of courses remaining in three equal installments before the sixth day of the succeeding months to complete the payment before the final term examinations.

Students who fail to clear their dues according to the procedure shall have to pay fine according to the following schedule.

Rs.300/ for 1st week
Rs.500/ for 2nd week
Rs.1000/ for 3rd week
Rs.1500/ for 4th week

Defaulters shall not be allowed to take the midterm and final term examinations.

If a student wants to withdraw from the college, 75% of the dues paid by him will be refunded within seven days of the date of deposit. 50% within two weeks and no refund after 2 weeks. Registration fee will however, not be refunded.

Dues shall not be transferred from the name of one student to the other or from a degree program to a non - degree program.

Dues of the college shall be paid through a bank draft or in cash. No cheques shall be entertained.

ACADEMIC & DISCIPLINE RULES

Students are required to maintain a CGPA 2.5 or above in undergraduate programs and 3.00 in graduate programs. Those who fail to do so by the end of the program will be issued only a transcript with notation a Degree requirements NOT COMPLETED, they will not be entitled to receive degree.

ACADEMIC & DISCIPLINE RULES

All kinds of indiscipline or misconduct shall be dealt with firmly. It may also lead to dropping of the students from the college rolls.

ACADEMIC & DISCIPLINE RULES

Academic dishonesty involving cheating in the examinations, plagiarism, forging of documents

- i) Rude behavior with Faculty and Staff
- ii) Unruly behavior on the campus
- iii) Violation of college rules and regulations

PROHIBITION OF SMOKING

The college campus is “No Smoking” area and smoking on campus is prohibited. Anyone found smoking on campus will be heavily fined.

- i) On first warning NIL
- ii) On second warning Rs.500/-
- iii) On third warning Rs.1000/-

Repeated defaults may lead disciplinary action and to the expulsion from the college.

MS/ MPhil and PhD Admission Criteria

SCHEDULE

In each academic year, there are two intakes i.e. Spring Semester and Fall Semester.

ELIGIBILITY

16 years of education or 4-year education (130 credit hours) after 12 years of education or equivalents will be required for admission in the M.Phil/MS. The NCBA&E test is mandatory. The GAT-General test is valid for a period of two years. A minimum of 2.50 CGPA or equivalent is required in last terminal degree.

ELIGIBILITY

Provisional eligibility is only possible in case of absence of GAT general and that is only for MS Program. Candidate shall be bound to appear in upcoming GAT test or else admission shall be considered null and void.

ACADEMIC & DISCIPLINE RULES

Candidate shall submit admission form along with copies of all previous academic certificates, GAT result card, Copy of NIC and detail CV. Director Research shall invite eligible candidates for interviews; he also needs to communicate the interview schedule to admission committee.

The admission committee consisting of the following shall conduct admission interviews;

- i. Rector
- ii. Director Research or his nominee from the research faculty
- iii. Professor of relevant subject (if aforementioned committee needs any assistance)

In case of any conflict of opinion, Rector's decision shall be the final verdict. Committee needs to focus on following points explicitly;

- a) Research interest of the candidate
- b) Capability of the candidate to perform in research based academia
- c) Practicality of candidate's academic plan i.e. availability of the dedicated time, professional commitments, financial strength etc.
- d) Candidate's objective for higher education.

After interviews, all forms shall be submitted to the office of Director Research, who will produce Acceptance Letter for successful candidates. Acceptance letter shall contain all terms and conditions for every individual candidate e.g. admission status (provisional/regular), deficiency coursework (if any), financial package, list of exempted courses in case of transfer, minimum required duration and degree requirements. A separate sheet of rules and regulations needs to be signed and submitted along with the acceptance letter by the candidate.

If candidate fails to submit the registration fee until the date mentioned in the acceptance letter then a period of two weeks shall be considered as grace period, after which admission shall be considered null and void. In case, a candidate reappears after the grace time then his/her request can only be considered for next admission tenure.

Candidate shall submit the acceptance letter, rules and regulations consent form along with registration fee payment proof to the program coordinator within the stipulated timeframe. On receipt of which, he/she shall get the coursework schedule for respective semester to start subject registration of subjects of candidate's choice. NCBA&E shall provide guidance/counseling to candidates in subject selection in every semester. A list of relevant course advisors shall be displayed on the notice board, similarly subject registration forms shall be duly signed by the candidate and respective academic advisor.

TRANSFER

In case candidate is transferring his/her credits from any other institute, the following criteria shall be followed strictly;

1. Candidate shall be studying in HEC recognized institute
2. In case of foreign institute, equivalence certificate by HEC is required
3. NOC is required from the parent institute for any transfer
4. A maximum 50% of coursework may be exempted and in this, subjects under consideration shall contain A , B or C grades only. Subjects with D or below grades shall not be exempted.
5. Comprehensive Examination is not a subject for exemption consideration. If a candidate had passed a Comprehensive exam in any other institute, that shall be considered null and void.
6. Candidate shall appear in Comprehensive examination after the completion of coursework at NCBA&E.
7. There shall not be any effect on financial structure in case of transfer. Registration and subject fees shall be charged as per policy.
8. The admission committee shall verify the transcript of applicants for admissions coming from other Institutions with the original transcripts and make a note of it on the photocopy of the transcript (both for transfer of credits and last terminal degree).

The office of Director Research shall start assessment process for the courses to be exempted immediately and complete it within one week of the admission of the candidate. If however, the transcript is not available, the candidate would be given a definite date by which he/she should submit the transcript so that the assessment formalities are completed in time before the commencement of the semester. This verification procedure shall be applicable to degrees and certificates awarded by the public universities and board of education.

1. In the case of all other institutions, the copies of transcripts shall be sent to the institutions concerned for verification. The assessment of courses to be exempted shall be done soon after the verifications have been received from the parent institutions. After this, the exemption will be reported to the respective department as well as the candidate.
 2. The office of Director Research shall keep a record of the cases whose verification or exemption has not yet completed and ensure there is no undue delay in the finalization of these cases.
-

SCHOLARSHIP

In higher education there is no concept of any financial discounts or rebates, the only possible financial appreciation is in form of an academic scholarship. At NCBA&E, MS/M.Phil candidates may attain “Rector’s Scholarship” conditioned to the respective eligibility and recommendations. The scholarship policy is formulated below;

- a) Scholarship shall be awarded strictly based on academic excellence.
 - b) A scholarship holder shall be bound to perform certain duties at campus, failing to which shall revoke the scholarship facility. The Rector on the dual recommendation of the relevant subject professor and Director Research shall decide these duties. These duties may incorporate the following;
 1. Teaching at undergrad level
 2. Tutorial group management as an assistant to a faculty member/tutorial head
 3. Proofing and review of dissertations / publications
 4. Marketing of Research Program
 5. Arranging seminars / workshops by inviting eminent scholars
 6. Research Assistant to a faculty member
 - c) In case, Rector considers need-based grounds to award a scholarship then it shall be linked with equivalent official duties as well.
 - d) HEC scholarship holders need to adhere to the university rules as well as the rules and regulations stipulated by HEC for them. Daily attendance is a compulsory requirement along with minimum 06 hours at campus premises. The attendance of all HEC scholars is available with program coordinator.
 - e) All HEC scholars shall pay their dues on time. In case of any delay in the release of HEC funds, institute shall provide a maximum of one semester as grace period, afterwards the candidacy of the research scholar shall be considered null and void due to non-payment. Therefore, all HEC scholars shall pay their respective dues in time; amounts paid by individuals shall be reimbursed on the arrival of funds from HEC.
-

Prof. Shams Ur Rehman

Director Admission



Message

I am pleased to welcome the students and congratulate the senior students for qualifying their exams and getting good grades. To meet the challenges of the 21 st century. National college of Business Administration and Economics (NCBA&E) is committed to produce professionals to serve in Business Management, Information Technology and in Economics etc...

I hope that Faculty and staff will inspire the students to expand and enrich its potential and talent to face the difficulties of life and try to find the ways to overcome the difficulties. Following are some steps which we are going to take to achieve our goals.

- The teachers motivate the students for higher education.
- Students are encouraged and ask questions in class.
- Students are advised to consult the teachers during scheduled office hours.
- Grades, tests and assignments are discussed in class.

My best wishes for all concerned

Athar Ikram Khan

Controller of Examination

Message

It is the basic trait of an excellent academic establishment to provide high quality education by imparting up to date knowledge and skills to the students. Controller of Examination (CE) office is one of the most important statutory departments of any educational institute and has a sole objective to create and execute a system to examine the knowledge and skills inculcated by the instructors to the students. Department of Examination at NCBA&E strives to ensure the elementary objective of quality, transparency, secrecy, and accuracy while performing the fundamental duty of provision of services and administration related to examination of the students from semester results to the official transcript and degree.

The Controller of Examination office at NCBA&E abides by all the rules and regulations prescribed by Higher Education Commission (HEC) of Pakistan.



EXAMINATION AND ASSESSMENT POLICY

1. An examination cell headed by the Controller of Examination conducts examination, collects and collates the results of the examination from the faculty as well as issues transcripts and degrees to the students.
2. All teachers are expected to hand in their exam papers ten days prior to the exam. They submit results of the exam within three days of the conduct of exam. Faculty may share the graded exams with students in the dates announced by Controller Examination.

All grades entered on the transcript are signed by Controller of Examination and the Dean/HoD/Director, and stamped and embossed with college seal.

MODE OF EVALUATION

Two formal examinations are held in every semester:

1. Mid-term and Final-term exams.
2. Faculty of the course must supervise during the Mid-term and Final-term examinations.
3. All permanent faculty members irrespective of their seniorities shall be assigned invigilation of minimum of one exam per day excluding their own course.
4. All photocopies of exams question papers shall be obtained through the Controller of Examination.
5. Duration of the examination shall be limited to of three hours or ninety minutes per exam.

6. To discourage the growing tendency of appearing in make-up examinations, the Academic and Disciplinary Committee have decided that the students who fail to appear in midterm and final term examination will be allowed another chance on the following grounds only:
- i. Hospitalization of the student during the examination.
 - ii. Death of close family members. The close family is defined as mother, father, real brother and real sister.

There will be a re-examination charge of PKR 500/- per course. The grade scored in the particular subject may be reduced by one letter grade or equivalent percentile. Students opting for makeup exams will be at an inherent disadvantage as compared to those taking regular exams.

GRADE CHANGE

Grade once awarded is not changed. A student may, however apply for a re- check of his answer book to satisfy himself that no question has been left unmarked and marks have been totaled correctly. Student getting grade 'I' in any course must get this grade converted by their instructor as soon as possible and complete the course within six weeks of the date of the result otherwise this grade will be changed into grade 'F'.

MAKEUP OF ASSIGNMENTS /TESTS ETC.

The students must make up for any class assignments / test or other requirements that he / she misses as a result of his/her absence. It is his/her responsibility to check with the concerned teacher. However if a student misses a significant number of classes, Academic and Disciplinary Committee may decide that he/she should repeat the courses.

MECHANISM OF ASSESSMENT & EXAMINATION

a) **Assessment includes:**

- | | |
|------------------|--------------------------------------|
| i) Quizzes/Tests | i) Mid-Term Examination |
| iii) Assignments | iii) Term Paper Project/Presentation |
| iv) Attendance | iv) Final-Term Examination |

b) Grading System

A grade is given in each course, in which a student is registered. Grades are indicated by letters and assigned honors, points as shown in the table below. (It is the recommendation of IUFB).

Letter Grade	GPA	
A	4.0	80% and Above
B	3.0	70%-79%
C	2.0	60% - 69%
D	1.0	50% - 59%
F	0.00	Below 50%
W	Not included for CGPA calculation as student withdraw from the course	
I	Incomplete	

c) I-Incomplete:

A temporary course grade granted by an instructor when necessary absence, or other reasons prevent completion of course requirements by the end of the semester or session. A student must be passing the course to be eligible for an "I". An "I" is not given as a substitute for a failing or low grade. Incomplete grades will convert to an "X" if not removed within 6 weeks.

d) W-Official Withdrawal:

A grade of "W" is given in a course when a student officially withdraws from that course or from the university at least one day prior to the last mid-term.

e) Honor Points:

The number of honor points earned in a course is the number of semester hours credit given by the course multiplied by the value of the letter grade received, as shown in the preceding table. For example, a grade of "B" in a four-hour course gives 4×3 i.e. 12 honor points. Honor point deficiencies acquired in credits earned at the National College of Business Administration & Economics cannot be made up by credits and honor points earned at another university or college. Only credit hours are Transferred from another University, neither grades nor honor points.

f) Grade Point Average (GPA):

A grade point average is obtained by dividing the total number of honor points earned by the total number of semester hours completed. For example, a total for forty-eight honor points earned in a semester by a student who completed sixteen hours of course work gives a grade point average of 3.0 for the semester.

g) Academic Standards:

All Undergraduate candidates must earn an overall Grade Point Average (GPA) of at least 2.0 to satisfy progress towards the end.

Regular Standing: A graduate student is in good standing whenever the student's overall GPA is at least 2.5. All MBAs/MS/MPhil candidates must earn an overall grade point average (GPA) of at least 3.0 to satisfy progress towards the end.

Warning:

Whenever the GPA during any enrollment period of an undergraduate student is less than 2.0 or the cumulative grade point average (CGPA) is 2.0 or less, the student will be warned.

Probation:

If an undergraduate student's CGPA falls below 2.0, the student will be placed on probation for one semester. If a graduate student's CGPA falls below 3.0, the student will be placed on probation for one semester.

Probation Removed:

When the condition of good standing is restored, probation will be removed.

Dismissal:

The undergraduate student who fails to increase his/her CGPA at the end of an enrollment period of probation or whose CGPA fails to reach 2.0 at the end of an enrollment period and continued on probation for 2 semesters, will be dropped from the College rolls.

The graduate student who fails to increase his/her CGPA at the end of an enrollment period of probation or whose CGPA fails to reach 3.0 at the end of an enrollment period and continued on probation for 02 semesters, will be dropped from the College rolls

GRADE POLICY

- Final results shall be declared by Examination Department. Grades are not to be declared in the classes.
- All grade revision cases must be explained to the relevant Dean in person by the instructor of the particular course before it is approved.
- No grade revision is allowed after 6 weeks from the date of the result. All results are submitted before the prescribed dates duly signed by the faculty members, along with the class and examination attendance sheets.
- The students who have been awarded grade 'I' should have the grade converted within 6 weeks of the result otherwise it will be automatically converted into 'F' grade.
- In case of grade change, the name and registration number of the student will be circled on the original result sheet with a red marker and a note will be written on it to refer to the grade change file. No changes/additions are to be made on the original result sheet.
- In case if instructor forgets/missed to post the result of a student, the Controller of Examination will get in touch with the instructor who will personally come and post the result on a new result sheet, which will be duly signed by the instructor and counter-signed by Director (Academics). The sheet will then be attached to the original result sheet with a note from the Controller of Examination.
- Students who have an F grade in their final transcript and their course requirement/credit hours for a program are completed, their F will not be deleted from the transcript unless they repeat the subject with a higher grade.
- In case a course is removed from a program and substituted by another, the students will be allowed to study the course substituted in place of the one which has been removed. Grade F in this particular case will be replaced by the grade to the new subject.
- Similarly, if a student has to improve grade F or D and the same course is not being offered, he/she will be offered a new course. Grade F or D will be replaced by the new grade in the course offered in lieu thereof.
- In both the above mentioned cases, the decision will be taken by the Controller of Examination in consultation with the Director (Academic) and the old subject will be dropped from the final transcript. The physical record shall, however, be retained in the Examination office. Dropping of course will be done through Add/Drop procedure.

PROCEDURE FOR ISSUING TRANSCRIPT/DEGREE.

TRANSCRIPT:

- (1) The student has to submit an application to the Controller of Examination Office along with the clearance form duly signed by all the relevant departments.
- (2) The student has to collect the transcript from the Registrar's office after seven weeks.
- (3) One additional copy of the transcript will cost PKR 2,000/- and subsequent copies PKR 500/- each.

DEGREE:

- (1) The student has to submit an application to the Controller of Examination office with a copy of the transcript.
- (2) The graduating CGPA for the graduate programs (18 years) is 3.00 and for the undergraduate programs (16 years) is 2.5.
- (3) If the student does not fulfill the CGPA requirements, the Controller of Examination office will not entertain the application.
- (4) The student collects the Degree from the Registrar's office after 4 weeks.
 - i) There is an urgent service available for students requiring degree urgently, fee for this service charges are PKR 10,000 and degree will be available within 24 hours.
- (5) Duplicate copy of a Degree shall be issued on payment of PKR. 5000/-.
- (6) The date of award of Degree to be printed in the diploma shall be the date of the declaration of final result of the graduating students.

These rules and regulations are subject to revision and changes.

These rules have been duly approved by the Academic Council and/or HEC and come into force immediately.

Arrangement for monitoring of teaching, learning and student performance

The spirit of semester system lies in the teaching of individual courses by a faculty member. We can accomplish the educational goals more effectively if each faculty member develops greater details of the process, content and methodology of conducting course work.

There is Quality Assurance and Enhancement Center, which oversees the work of the teachers and the students on regular basis in accordance with HEC directives.

Dr. Wasim Ahmad Khan

Director Research

Message

Engaging students in research, innovation, and scholarship is the hallmark of a great research university. Through their participation in research and creative endeavors, postgraduate students become better thinkers, innovators, and problem solvers, cultivating a depth of understanding needed to make a positive impact on the world.

Our mission is to be an institution of distinction that is committed to the development of human capacities by disseminating knowledge on the core principles of quality, access, impact and relevance.

From supporting faculty and instructors as they include research and creative projects in their courses, to facilitating service-learning, social entrepreneurship, and research projects with community-based organizations around the world, from programming to involve underclassmen and historically underrepresented students in research and scholarship, to showcasing the work of student researchers through discussion and publications.

In support of our outstanding, diverse and highly regarded faculty, our office seeks to facilitate internal and external collaborations to promote research excellence and success in extramural funding.

In my role, I serve on NCBA&E, as a Director Research, which advises campus research leadership on questions and issues that affect campus and school research efforts and the university's efforts to meet its research vision and mission.



NCBA&E Permanent Faculty (Main Campus)

Sr.	Name	Qualification	Designation
01	Prof. Dr. M. Saleem Khan	PhD Computer Science	Rector
02	Dr. Muhammad Hanif	PhD Statistics	Pro-Rector(Academics)
03	Dr. Alia Ahmed	PhD Business Administration	Dean School of Business Administration
04	Dr. Abdul Khalique	PhD Statistics	Dean Faculty of Social Sciences
05	Dr. Sagheer Abbas	PhD Computer Science	Dean School of Computer Science
06	Dr. Umar Safdar Kiani	PhD Business Administration	HoD Business Administration
07	Dr. Wasim Ahmad Khan	M.Phil. Computer Science	HoD Computer Science
08	Dr. Muhammad Kalim Shiekh	PhD Mathematics	HoD Mathematics
09	Prof. Jameel Murtaza Hussain	M.Sc. Psychology	Registrar
10	Mr. Athar Ikram Khan	MS in Marketing	Controller Examination
11	Dr. Ghulam Abid	PhD Business Administration	Director Research

Sr.	Name	Qualification	Designation
12	Prof. Shams ur Rehman	M.Sc. Electronics	Director Admissions
13	Mr. Altaf ur Rehman	MS in Project Management	Director QAEC
14	Ms. Iram Saba	MA Philosophy	Director CDAR
15	Syeda Mujtaba Zahra Rozi Rizvi	MA Urdu	Director Student Affairs
16	Mr. Amer Awan	MS Business Administration	Director Campuses
17	Ms. Saima Hassan	MBA (Equivalent to 18 years)	Assist. Prof. Business Administration
18	Ms. Mehreen Ashraf	M.Phil. Business Administration	Assist. Prof. Business Administration
19	Ch. Zahid Hassan	MS in Computer Science	Assist. Prof. Computer Science
20	Ms. Sidra Bashir	M. Phil in Accounting and Finance	Assist. Prof. Business Administration
21	Ms. Asma Omar	M.Phil. Business Administration	Assist. Prof. Business Administration

Sr.	Name	Qualification	Designation
22	Ms. UMBER ASAD	M.Phil. Mathematics	Assist. Prof. Mathematics
23	Ms. HUMAIRA TAJ	MBA (Equivalent to 18 years)	Assist. Prof. Business Administration
24	Mr. TEHAMI MUSTAASAM	M.Phil. Computer Science	Lecturer Computer Science
25	Ms. MISBAH ASHRAF	M.Phil. Business Administration	Lecturer Business Administration
26	Mr. AZIZ UR REHMAN	MS Computer Science	Lecturer Computer Science
27	Mr. MUHAMMAD ASIF	M.Phil. Computer Science	Lecturer Computer Science
28	Mr. GULZAR AHMAD	MS Computer Science	Lecturer Computer Science
29	Hafiz Muhammad IntizarJaved	M.Sc. Finance & Accounting (UK)	Lecturer Business Administration
30	Mr. TAHIR AHMED	MS in Information Security	Lecturer Computer Science
31	Dr. ADNAN KHAN	PhD. Mathematics	Lecturer Mathematics

NCBA&E Permanent Faculty (DHA Campus)

Sr.	Name	Qualification	Designation
01	Mr. Sajjad Elahi Bhatti	M. PHIL	Campus Director
02	Mr. Nauman Saeed	M. PHIL	Director Operations
03	Mr. Hafiz Muhammad Waseem	MS	Lecturer
04	Mr. Saif Ullah	Ph.D Scholar	Assistant Professor
05	Mr. Yasir Iftikhar	M.PHIL	Lecturer
06	Mr.Faisal Fiaz	MS	Lecturer
07	Mr.Hassan Raza	M.PHIL	Lecturer
08	Mr.Nasir Ali	M.PHIL	Associate Professor
09	Mr.Haroon Ali	M.PHIL	Lecturer
10	Mr.Muhammad Shahbaz	M.PHIL	Assistant Professor
11	Dr.Afshan Tabassum	P.hD	Assistant Professor
12	Mr.Basharat Raza	Ph.D Scholar	Lecturer
13	Mr.Muhammad Faizan	MS	Lecturer

NCBA&E Permanent Faculty (East Canal Campus)

Sr.	Name	Qualification	Designation
01	Mian Muhammad Abbas Hashim	--	Capmus Director
02	Mian Hassan Murtaza	--	Finance Manager
03	Dr. Syed Mutahir Hussain	PhD.	Pro-Rector
04	Dr. Muhammad Qasim Rind	PhD.	Vice Pro-Rector
05	Dr . Amir Ikram	PhD.	Assistant Professor
06	Ghazanfar Ali Shahzad	MS/M.Phil.	HOD
07	Muhammad Nawaz	PhD. Scholar MGT	Lecturer
08	Muddassaraha Sadaf	PhD. Scholar MGT	Lecturer
09	Saman Razzaq	MS/M.Phil. Commerce	Lecturer
10	Muhammad Laeeq	MS/M.Phil. MGT	Lecturer
11	Mr. Saad Salman	MBA	Lecturer
12	Muhammad Laeeq	MS/M.Phil. MGT	Lecturer
13	Zeeshan Ahmed	MS/M.Phil. MGT	Lecturer
14	Sadia Yousaf Khan	ACCA	Lecturer

Sr.	Name	Qualification	Designation
15	Rabia Riaz	MSC- Psychology	Lecturer
16	Ayesha Farooqui	M.Phil. MKT	Lecturer
17	Muhammad Azhar	MS/M.Phil. Stat	Lecturer
18	Lubna Latif	LLB/LLM	Lecturer
19	Mohsin Naqvi	M.Phil. Islamic	Lecturer
20	Muhammad Nadeem	MS/M.Phil. MGT	Lecturer
21	Muhammad Ali	MS/M.Phil. Eco	Lecturer
22	Ghulam Murtaza	M.S CS	HOD
23	Arslan Javaid	BS/MPhil (Con)	Lecturer
24	Aqib Asad	MS/MPhil (Con)	Lecturer
25	Nabeel Bin Ezad	B.S S.Eng. CS	Lecturer
26	Hareem Aslam	MS/MPhil CS	Lecturer
27	Zahid Shoukat	MS/MPhil CS	Lecturer
28	Muhammad Hussnain	MS/MPhil CS (Con)	Lecturer
29	Suhaib Khalid	M.Phil. Lit	HOD Eng

Sr.	Name	Qualification	Designation
30	Nadeem Chuhan	PhD. (In Progress)	Lecturer
31	Mr. Ali Umair	M.Phil. Ling.	Lecturer
32	Basharat Ali	MS/M.Phil. Ling.	Lecturer
33	Zia ud Din Siddiqui	M.Phil. Ling. & Lit.	Lecturer
34	Shahbaz Ali	M.Phil. Ling.	Lecturer
35	Muhammad Ali H	PhD. (In Progress)	HOD
36	Mr. Tahir Shahzad	M.Phil. Math	Lecturer
37	Isma Ghulam Murtaza	M.Phil. Math	Lecture
38	Shahbaz Ahmad	M.Phil. Math	Lecturer
39	Nimrah Farooq	M.Phil. Math	Lecturer
40	Aqsa Jamil	M.Phil. Math	Lecturer
41	Asim Ali	M.Phil. Math	Lecturer

NCBA&E Permanent Faculty (West Canal Campus)

Sr.	Name	Qualification	Designation
01	Ch. Muhammad Saleem	LLM	Director
02	Syed Zaman Haider	MS	Campus Admin
03	Dr. Iftekhar Ahmed	Ph.D (Earth & Environmental Sciences)	HOD (Environmental Management)
04	Tehreem Aqsa	MBA, LL.B	Permanent Faculty Member
05	Dr. Irshad Khokhar	Ph.D (Chemistry)	Permanent Faculty Member
06	Wasim Raza	M.Phil-Computer Sciences	IT Manager/ Permanent Faculty Member

NCBA&E Permanent Faculty (Front Lane Campus)

Sr.	Name	Qualification	Designation
01	Mr.Fahd Nawaz Khan	MS	Campus Director
02	Dr. Majid	Ph.d	Lecturer
03	Ms.Mubarah Tariq	MS	Lecturer
04	Ms.Ayesha Saddiqua	MS	Lecturer
05	Ms.Mariam Altaf	Masters	Lecturer
06	Ms.Samadia Gull	ph.d(Conti)	Lecturer
07	Ms.Summiya Saif	M.phil	Lecturer
08	Ms.Anam Rehman	M.phil	Lecturer
09	Ms.Maryam Mustafa	M.phil	Lecturer
10	Dr.Abdul Quddus	Ph.d	Lecturer
11	Dr.Khadija Khan	Ph.d	Lecturer
12	Dr.A R Chaudry	Ph.d	Lecturer
13	Ms.Madiha Butt	M.phil	Lecturer
14	Dr.Zahid Pervaiz	Ph.d	Lecturer

Sr.	Name	Qualification	Designation
15	Mr. M. Rehan	Mphil	Lecturer
16	Mr.Zahid Tufail	MSC	Lecturer
17	Mr.Imran	MS/M.Phil	Lecturer
18	Dr. Nadeem Azhar	Ph.D	Lecturer
20	Mr. Ali Qamber	MS/M. Phil(Conti.)	Lecturer
21	Ms.Samra Mushtaq	BFA_Graphic Design	Lecturer
22	Ms.Momina Zahid	BS_Fashion Designing	Lecturer
23	Ms.Naini Zaidi	BFA_Graphic Design	Lecturer
24	Ms.Amen Asif	BFA_Textile Designing	Lecturer