

PROGRAM ANNOUNCEMENT 2018-19



IBA core values

Truth	Truth means conformity to facts. Being truthful involves speaking and acting consistently in accordance with the highest ethical values of the society.
Discipline	Discipline requires self-regulation and adherence to an established code of conduct. Discipline facilitates the smooth functioning of the Institute and is essential for an IBA student.
Creativity	Creativity breeds innovation which is critical for an institution to expand its frontiers. IBA students are encouraged to generate new ideas to attain their goals.
Tolerance	Tolerance represents the ability and willingness to accept and co-exist with other opinions and behaviors. Tolerance is an essential characteristic of successful individuals and societies.
Integrity	Integrity suggests the quality of being honest and having strong moral principles. Integrity is crucial to the reputation of individual students as well as that of the Institute.
Merit	Admission to IBA is solely based on merit. This principle has served IBA well in the past and will continue to guide it in the future.
Humility	Humility is the opposite of pridefulness. It involves recognizing that one's achievement are due to many factors and should not be the occasion for arrogant behavior.
Team Work	Teamwork requires harmonizing individual efforts to achieve a common goal. Without team work, individual efforts can be wasted and institutions can suffer.

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Vision and mission

Vision:

To be among the best learning institutions in Pakistan - recognized for developing potential leaders, nurturing a vibrant community of scholars and practitioners, generating innovative ideas, and promoting creative solutions that address the needs of Pakistan, the region, and the global community.

Mission:

To impart quality education in business and allied fields to students selected on merit irrespective of ethnicity, gender, religion, or financial means;

To provide a teaching and learning environment that encourages critical thinking, ethical conduct, and effective decision making;

To undertake original research that enriches teaching and benefits business, government, and civil society.



Message of the Executive Director

I welcome all new and continuing students to the IBA. In recent years, we have diversified our academic base in several ways while adhering to high standards of quality. For example, we have introduced many new academic programs. In addition to the long-established BBA, MBA and CS programs, we now have undergraduate degree programs in Accounting and Finance, Economics and Mathematics, and Social Science and Liberal Arts. We have also introduced graduate degree programs in Journalism and Islamic Finance. The typical IBA student now rubs shoulders with a broader range of colleagues than ever before.

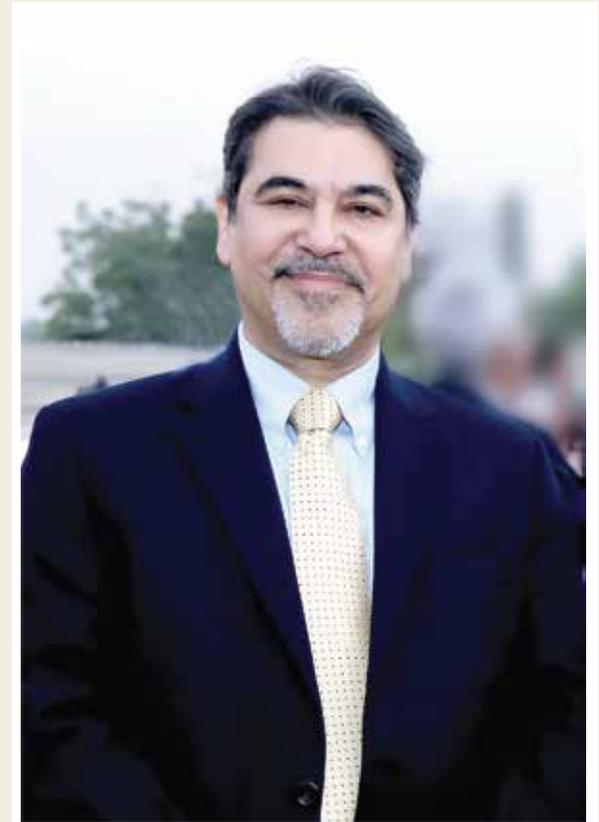
Moreover, we have re-designed our academic programs to give students more choice as research suggests that a broad-based undergraduate education brings out natural talents and aptitudes among students far better than a narrowly based single-discipline system does. Therefore, in addition to courses in their own disciplines, students are encouraged to take electives from other disciplines. Diversity in this sense is not a luxury but an academic necessity.

We have also been diversifying our student intake across socioeconomic and regional groups of the country. We have done this through expanding financial assistance and outreach. During the last academic year, we offered financial assistance in the amount of Rs. 248 million to 995 students or approximately one-third of our fulltime enrolment. We recruited some of these students from remote and marginalized areas of Pakistan through our Talent Hunt Program, a diversity initiative that offers remedial training as well as financial assistance.

Furthermore, our scope has steadily widened to include those who are not formal students. Our professional development centers, such as the CEE, the CEIF, the CEJ and the Aman CED, provide educational services to such groups in a flexible manner that takes into account their professional needs as well as their time constraints. Thousands of people take advantage of our professional development courses every year.

All of the above adds to the diversity that can now be seen at the IBA. This is important for both academic and civic objectives. The empathy, understanding, goodwill and tolerance that comes from being thrust together at a young age with a diverse set of people cannot be taught; it comes from the experience itself, it is a form of learning by doing.

The Institute has remained at the forefront of higher education in Pakistan by being open to change throughout its history. With the added emphasis on diversity, it is even better placed to fulfill its mission of developing leaders for tomorrow.



Dr. Farrukh Iqbal
Executive Director

The policy makers

Patron:

Chief Minister of Sindh

Board of Governors:

Chairman:

Dr. Farrukh Iqbal

Executive Director
Institute of Business Administration, Karachi.

Members:

Mr. Justice Fahim Ahmed Siddiqui-
Judge High Court of Sindh, Karachi.

Prof. Dr. M. Ajmal Khan

Vice Chancellor
University of Karachi, Karachi.

Prof. Dr. Fateh Muhammad Burfat

Vice Chancellor
University of Sindh, Jamshoro.

Ms. Aliya Shahid

Secretary, Universities and Boards
Department, Government of Sindh or
his nominee not below the rank of
Additional Secretary

One nominee of the Higher Education
Commission not below the rank
whole-time Member

Mr. Muffasar Atta Malik

President
Karachi Chamber of
Commerce & Industry, Karachi.

Mr. Ghazanfar Bilour

President
Federation of Pakistan Chambers of
Commerce & Industry, Karachi.

Syed Mazhar Ali Nasir

Nominee of FPCCI

Mr. Waqar Hassan Siddique

Partner
The Abraaj Group
Dubai, United Arab Emirates.

Mr. Shuaib Ahmed

Vice Chairman
Pakistan Gum and Chemicals Ltd.,
Karachi

Mr. Shahid Shafiq

Director
Shahid Shafiq (Pvt.) Ltd. Karachi.

Ms. Shahnaz Wazir Ali

President
Shaheed Zulfikar Ali Bhutto Institute
of Science and Technology, Karachi

Ms. Naheed Shah Durrani

Managing Director
Sindh Education Foundation
Government of Sindh, Karachi

Audit & Finance Committee:

Members:

Dr. Farrukh Iqbal

Executive Director
IBA, Karachi.

Syed Mazhar Ali Nasir

Nominee FPCCI

Mr. Shahid Shafiq

Director
Shahid Shafiq (Pvt.) Ltd., Karachi.

Selection Board:

Chairman:

Dr. Farrukh Iqbal

Executive Director
IBA, Karachi.

Members:

Mr. Noor Muhammad Jadmani

Chairman/Nominee
Sindh Public Service Commission

Mr. Najmus Saquib Hameed

Chairman
The Layton Rahmatullah Benevolent Trust,
Karachi.

Mr. Shahid Shafiq

Director
Shahid Shafiq (Pvt.) Ltd., Karachi.

Ms. Aliya Shahid

Secretary, Universities and Boards Department

Mr. Tariq Kirmani

Ex-MD, P.I.A.

Mr. Zaffar A. Khan

Ex-Chairman & CEO
Pakistan International Airlines, Karachi

Academic Board:

Chairman:

Dr. Farrukh Iqbal

Executive Director
IBA, Karachi.

Members:

Dr. Ishrat Husain

Professor Emeritus - IBA, Karachi.

Dr. Zeenat Ismail

Professor - IBA, Karachi.

Dr. Mohammad Nishat

Professor - IBA, Karachi.

Dr. Nasir Touheed

Professor - IBA, Karachi.

Dr. Qazi Masood Ahmed

Professor - IBA, Karachi.

Dr. Shakeel A. Khoja

Professor - IBA, Karachi.

Dr. Sajjad Haider

Professor - IBA, Karachi.

Dr. Sayeed Ghani

Associate Professor - IBA, Karachi.

Dr. Heman Das Lohano

Associate Professor - IBA, Karachi.

Dr. Wali Ullah

Associate Professor - IBA, Karachi.

Dr. Shahid R. Mir

Assistant Professor - IBA, Karachi.

Mr. Veqar ul Islam

Director & CEO
Jaffer Business Systems, Karachi.

Appellate Committee:

Chairman:

Mr. Justice Fahim Ahmed Siddiqui

Judge High Court of Sindh, Karachi.

Members:

Mr. Shuaib Ahmed

Vice Chairman
Pakistan Gum and Chemicals Ltd.,
Karachi

Syed Mazhar Ali Nasir

Nominee of FPCCI

Development of programs

1955

- The Institute of Public and Business Administration (IPBA) was established, funded by USAID, MBA model. Programs commenced in the YMCA building in Karachi, with technical support from the Wharton School of Finance & Commerce and the University of Pennsylvania, USA

1956

- Faculty was hired for the department of Commerce, Karachi University in collaboration with the University of Southern California
- MBA morning program was commenced as a constituent unit of the Karachi University

1957

- Evening programs were launched in graduate studies (MBA)

1965

- IBA faculty and Dacca University jointly developed MBA Program, in collaboration with Kelly School of Business for MBA Programs, to begin in former East Pakistan

1968

- 2-year BBA program was established

1982

- 3-year BBA (Hons.) program was launched

1983

- MBA (MIS) program was launched
- Centre for Computer Studies was established in collaboration with IBM, Pakistan

1987

- IBA laid down the foundation for the Centre of Excellence with the help of USAID

1990

- MBA (Banking) program was introduced in collaboration with ANZ-Grindlays Bank

1993

- BBA and MBA Executive programs (self-financed) were started at the city campus

1994

- Became independent of KU, received charter as a fully autonomous and degree awarding institution.

1998

- BBA (MIS) Program was introduced
- BS (Computer Science) program was launched

2002

- 4-year undergraduate program was launched in the department of Business Administration and Computer Science
- Centre for Executive Education was (CEE) established

2004

- National Talent Hunt (NTHP) program was launched

2005

- Ph.D. (Computer Science) program was launched

2008

- MS (Computer Science) program was launched

2009

- Centre for Entrepreneurship Development (CED) was established
- MBA Executive (weekend) was launched
- Sindh Talent Hunt Program (STHP) was launched

2010

- Dean's list and the best final year project awards

were introduced

- MS (Economics) program was introduced
- IBA corporate leaders advisory board was formed
- Memo of 10 years in collaboration with Babson University was signed
- Atlas Management diploma was launched
- Student exchange & study programs commenced with foreign universities

2011

- South Asia Quality Assurance Systems (SAQS) accreditation received
- IBA received membership of European Foundation for Management Development
- Ph.D. (Economics) program was launched
- Centre for Business and Economics Research (CBER) were established
- MBA curriculum revamped including introducing requirement for 2 years of work experience
- Structured mentoring and student development programs were started
- BBA curriculum was revamped to meet the intentional standard
- BBA Entrepreneurship program initiated
- Responsible citizen initiative program introduced
- Department of Mathematical Sciences and Department of Social Sciences & Liberal Arts were established

2012

- 4-year B.S. (Economics & Mathematics) program was launched
- Memo of collaboration was signed with the University of Malaya
- M.S. leading to Ph.D. Program in Economics & Mathematics was launched
- Alumni crossed the 10,000 graduates mark
- IBA was registered as education provider of Project Management Institute

- MoU was signed with the Indian School of Business (ISB) to promote executive education in Pakistan
- Personal effectiveness course was introduced
- MoU was signed with SP Jain Institute of Management Research

2013

- 4-year undergraduate program was launched in Social Sciences & Liberal Arts
- 4-year undergraduate program was launched in Accounting & Finance
- Memo of collaboration signed with the Institute of Chartered Accountants of Pakistan
- M.S. (Mathematics) program was launched

2014

- Memo of collaboration was signed with Chartered Institute of Management Accountants
- Memo of collaboration was signed with association of Chartered Certified Accountants
- Memo of collaboration was signed with Institute of Bankers Pakistan
- Ph.D. (Mathematics) program was launched

2015

- PGD in Supply Chain Management, Human Resource Management, Healthcare Management was introduced

2017

- M.S. Islamic Banking and Finance by CIEF was introduced

2018

- M.S. (Journalism) program by CEJ has been introduced
- M.S. (Management) program has been introduced
- M.S. (Finance program) has been introduced
- B.S. (Economics program) has been introduced

Development of infrastructure

1955

- IBA city campus was established with 4 classrooms, a reading hall, and 2 offices (8000 sq.ft) in PIIA building on Havelock Road.

1961

- Planning & Construction of both main & city campuses was commenced

1967

- Construction was completed; morning and evening classes commenced at the main (1965) & city (1967) campuses respectively

1993

- Additional 2-story building (FCS) was build at the city campus
- Boundary walls were constructed around the IBA, main campus & staff town

1997

- 8,459 sq. yards plot was acquired in North Nazimabad for vocational training centre

2010

- Upgrading and renovation work of Adamjee Academic Block completed at the main campus
- Upgrading and renovation work of cafeteria completed at the city campus

2011

- Upgrading and renovation work of Gani & Tayub Auditorium completed at the main campus

2012

- Construction of multipurpose building was completed at the main campus
- Construction of Aman Centre for Entrepreneurship

Building was completed at the main campus

- Renovation of Faysal Bank Academic Centre was completed at the city campus
- Towfiq Chinoy Administration Building was completely renovated

2013

- Construction of Abdul Razzak Tabba Academic Block was completed at the main campus
- Construction of Alumni Student Centre was completed at the main campus
- Construction of sports arena comprising a cricket ground, a football ground, two tennis courts, a basketball court, and volleyball courts was completed at the main campus
- Renovation of Sir Anwer Pervez boys hostel was completed at the main campus
- Construction of Captain Haleem Siddiqui (150 bed boys hostel) was completed at the main campus
- Renovation of HBL Academic Centre was completed at the city campus

- Construction of M. Habibullah visiting faculty residence was completed at the main campus
- Tier III compliant data centre was inaugurated at the city campus
- Power generation centre and sewerage treatment plant was commissioned

2014

- Construction of Parvez Abbasi Prayer Hall was completed at the main campus
- Construction of new girls hostel (100 bed) was completed at the IBA staff town
- Construction of 430 seats Jahangir Siddiqui Auditorium was completed at the city campus

2015

- Renovation of the Fauji Foundation Building

completed at the main campus

- Renovation of the Mian Abdullah Library entered final stages of completion at the main campus
- 14-Story Aman Tower building entered final stages of completion at the city campus
- Work commenced on the construction of a 250 beds Block-B of the new boys hostel
- Overall covered area of buildings and structures at the IBA premises crossed the 750,000 sq.ft mark

2016

- 14-story Aman Tower building was inaugurated
- Centre for Excellence in Journalism (CEJ) was established in collaboration with Medill School of Journalism
- Centre for Excellence in Islamic Finance (CEIF) was established in the Aman Tower
- OBS courtyard was inaugurated
- Center for Information & Communication Technology (CICT) was established

2017

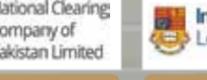
- Landscaping & horticulture work was initiated at both campuses
- A system has been implemented at both campuses for ERT concepts, rescue, survival and fire emergency
- Martin Dow clinic was constructed at the main campus
- Main Gate was constructed at the main campus
- UBL Digital Branch was established at the city campus
- CCL 1 Lab was renovated at the city campus

2018

- Martin Dow clinic was inaugurated at the main campus
- The boundary wall project was completed at the main campus
- On Grid Solar Power System (1 MW) is on pre-procurement stage

Our international linkages & strategic alliances

62 years of visionary leadership

 2005	 2008	 2008	 2008	 2008	 2008	 2009
 2009	 2009	 2009	 2009	 2010	 2010	 2010
 2010	 2011	 2011	 2011	 2012	 2012	 2012
 2012	 2013	 2013	 2013	 2013	 2013	 2013
 2013	 2014	 2014	 2014	 2014	 2015	 2015
 2015	 2015	 2015	 2015	 2015	 2016	 2016
 2015	 2016	 2016	 2016	 2016	 2017	 2017
 2017	 2018	 2018	 2018	 2018	 2018	

Dr. I.A Mukhtar



January 1962 to October 1972

Dr. Matin A. Khan



October 1972 to May 1976

Dr. Sharafat A. Hashmi



May 1976 to June 1984

Dr. Abdul Wahab



June 1984 to April 1995
November 1996 to July 1999

Dr. Hafiz A. Pasha



April 1995 to November 1996

Mr. Syed Fazle Hasan



July 1999 to November 1999

Dr. Zafar H. Zaidi



November 1999 to May 2000

Dr. Javed Ashraf



May 2000 to June 2002

Mr. Danishmand



June 2002 to March 2008

Dr. Ishrat Husain



March 2008 to March 2016

Dr. Sayeed Ghani



March 2016 to June 2016
(Acting Charge)

Dr. Farrukh Iqbal



June 2016 Present

Excerpts of academic calendar 2018-19

Summer semester 2018

June 21, 2018 to August 7, 2018

Fall semester 2018

August 28, 2018 to Decemeber 31, 2018

Convocation 2018

Decemeber 1, 2018

Orientation days

August 27, 2018 (Fall 2018)
January 15, 2019 (Spring 2019)

Spring semester 2019

January 16, 2019 to May 25, 2019

Summer semester 2019

June 17, 2019 to August 2, 2019

Fall semester 2019

August 28, 2019

Eid ul Azha*

August 22 to August 24, 2018

Ashura*

September 20 & 21, 2019

(*Subject to sighting of the moon)

Programs on offer

S. No.	Information	Bachelor of Business Administration (BBA)	Bachelor of Science (B.S.)					Master of Business Administration (MBA)	
			Computer Science	Economics & Mathematics	Economics	Social Sciences and Liberal Arts	Accounting and Finance	Morning	Evening
1	Admission requirement	Higher secondary school certificate With a minimum of 65% marks or 'A' levels (minimum of 2 'B's and 1 'C') in 3 principal subjects or American high school diploma minimum of 80% or An international baccalaureate (minimum 25/45)	Higher secondary school certificate (Pre-engineering or general group with mathematics) with minimum 60% marks or 'A' levels (minimum 1 'B' and 2 'C's) in 3 principal subjects including Mathematics or American high school diploma minimum of 80% or An international baccalaureate (minimum 24/45)			Higher secondary school certificate (any group with 60% marks) or 'A' levels (minimum 1 'B' and 2 'C's) in 3 principal subjects or American high school diploma (minimum of 80%) or An international baccalaureate (minimum 24/45)			A minimum of 16 years of education out of which 4 years should have been spent in an HEC recognized university/ degree awarding institute with: A minimum of 60% aggregate marks or A minimum of 2.50 CGPA on a scale of 4.00 (as applicable) (candidates with work experience will be preferred)
2	Aptitude test component	<ul style="list-style-type: none"> English composition (MCQS) English comprehension (Essay writing skills) Mathematics (MCQS) 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) 			<ul style="list-style-type: none"> English composition (MCQS) English comprehension (essay writing skills) Mathematics (MCQS) 			<ul style="list-style-type: none"> English composition (MCQS) English comprehension (essay writing skills) Mathematics (MCQS)
3	Aptitude test - difficulty level	SAT-I	SAT-I & SAT-II (Mathematics)		SAT-I		GMAT/GRE		
4	Aptitude test exemption*	See admission policy					Minimum 600 score in GMAT/ 160 in quantitative GRE		
5	Student profile	Avg. age: 19					Avg age: mid 20s		
6	Graduation requirement	40 courses, 128 credit hours, responsible citizen initiative (RCI), corporate internship	40 courses, 129 credit hours, responsible citizen initiative (RCI), corporate internship	40 courses, 128 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship (optional)	40 courses, 126 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship (optional)	39 courses, 125 credit hours, 1 culminating experience/thesis, responsible citizen initiative (RCI), research internship (8-10 week)	40 courses, 126 credit hours, responsible citizen initiative (RCI), corporate internship	72 credit hours, duration 24 months, comprehensive exam, (corporate internship for non-BBA background)	72 credit hours, duration 42 months, comprehensive exam
		Personal effectiveness course (PE)	Personal effectiveness course (PE)	Personal effectiveness course (PE)	Personal effectiveness course (PE)	Personal effectiveness course (PE)	Personal effectiveness course (PE)		
7	Fees fall 2018***	Rs. 216,500/- semester	Rs. 182,500/- semester				Rs. 216,500/- semester	Rs. 216,500/- semester	Tuition fee of Rs. 34,000/- per course & Rs. 8,000/- other semester charges
8	Classes start	August							
9	Duration	4 years full time					2 years	3.5 years	
10	Campus	main/city	main					main	main & city

The above are extracts of the IBA admission policy

* Participation in group discussion & interview is mandatory

** All equivalency claims shall be evaluated by the HEC (www.hec.gov.pk)

*** The IBA reserves the right to revise the fee without prior notice/refer to fee structure

PGD programs

MBA Executive	Master of Science (M.S.)						Doctor of Philosophy (Ph.D.)				
Various specializations	Computer Science	Economics		Mathematics		Islamic Banking & Finance	Management	Journalism	Economics	Computer Science	Mathematics
		full time	part time	full time	part time						
A minimum of 16 years of qualification out of which 4 years should have been spent in an HEC recognized university/degree awarding institution with: A minimum of 60% aggregate marks or a minimum of 2.50 CGPA on a scale of 4.00 (as applicable) and a minimum of 3 years of post qualification experience (mandatory)	A minimum of 16 years of education out of which 4 years should have spent in an HEC recognized university/degree awarding institute with: a minimum of 60% aggregate marks or A minimum of 2.50 CGPA on a scale of 4.00 (as applicable)		A minimum of 16 years of education (B.S./M.Sc. - Mathematics, Physics, Computer Science, Statistics) & be out of which 4 years should have spent in an HEC recognized university/degree awarding institute with: a minimum of 60% aggregate marks or A minimum of 2.50 CGPA on a scale of 4.00 (as applicable)		A minimum of 16 years of education/ equivalent degree in any discipline from a local or foreign institute recognized by the HEC, with a minimum CGPA of 2.5 out of 4.0, or 60% marks in their last degree. All equivalency claims shall be evaluated by the HEC. experience is not mandatory for this program.		A minimum of 16 years of education/ equivalent degree in any discipline from a local or foreign institute recognized by the HEC, with a minimum CGPA of 2.5 out of 4.0, or 60% marks in their last degree. All equivalency claims shall be evaluated by the HEC. Applicants with prior journalism experience are encouraged to apply		M.S./M.Phil./equivalent in relevant subject from HEC recognized local/foreign university with: minimum 60% aggregate marks in the last degree or A minimum 3.0 CGPA on a scale of 4.00 in the last degree where applicable** also have to fulfill specific requirements by the respective departments		
<ul style="list-style-type: none"> Business English (MCQS) Case study Applied Mathematics (MCQS) 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) Subject specialization 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) Economics (MCQS) 	<ul style="list-style-type: none"> English composition (mcqs) mathematics (mcqs) 		<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) Essay writing 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) Subject specialization 		<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) Subject specialization 	<ul style="list-style-type: none"> English composition (MCQS) Mathematics (MCQS) 	
GMAT/GRE	TOEFL or IELTS GRE general + specialization		TOEFL or IELTS GRE (int'l) math subjective test		GRE general and GMAT		-		TOEFL or IELTS GRE general + specialization	GRE CS subject test	TOEFL or IELTS GRE Math subjective test
Minimum 600 score in GMAT/ 160 in quantitative GRE	Min. 650 score in quantitative GRE (int'l) or 160 score in quantitative revised GRE (int'l)		60 percentile in GRE (int'l) maths subjective test		minimum score of 650 in the quantitative GRE general, 160 in quantitative section Of revised GRE general, or 600 score in GMAT		-		minimum 650 score in quantitative GRE (int'l) or 160 score in quantitative revised GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test
Avg. age: mid 30's Avg. work experience: 10 years	Avg age: mid 20s						Avg. age: 30s		Avg. age: 26		
22 courses, 72 credit hours, 1 project, comprehensive exam	M.S. with thesis: 8 courses, 24 credit hours, research survey, 3 credit hours, research work 3 credit hours or M.S. without thesis: 9 courses, 27 credit hours, research survey 3 credit hours	54 credit hours, 15 courses & thesis 9 credit hours, 45 credit hours through courses, 9 credit hours through thesis	6 core courses, 2 electives, 24 credit hours, thesis 6 credit hours		M.S. core and elective courses: 16 courses, 48 credit hours, M.S. research thesis: 9 credit hours	6 core courses, 2 area core courses, 2 electives, 30 credit hours, thesis/project, 6 credit hours	12 courses, 39 credit hours, 1 capstone project, 1 internship		11 courses, 1 dissertation, 67 credit hours	8 courses 24 credit hours, proposal, dissertation (6 credit hours)	6 courses, 18 credit hours, comprehensive exam, synopsis proposal, dissertation
Rs. 35,000/- per course	Rs. 112,500/- semester for all full time M.S. students Rs. 34,000/- per course & Rs. 8,000/- other semester charges for part time M.S. students								monthly stipend and full tuition fee waiver		
September, January & May	August				August & January	August	August		August		August & January
2.5 years	2 years								4 years		
main	city	main/city		city	main	city		main/city			

Supply Chain Management, Human Resource Management, Project Management, Family Business Management	Healthcare Management
<ul style="list-style-type: none"> 14 years education with 6 years' Post-qualification work experience or 16 years education with 3 years' post- qualification work experience 	<ul style="list-style-type: none"> Doctors with MBBS/BDS with 2 years' experience in hospital Nursing graduates with minimum 5 years' experience in hospital Other healthcare professionals with 16 years education and at least 2 years work experience in hospital
<ul style="list-style-type: none"> Subject specialization (MCQS) Essay Interviews 	<ul style="list-style-type: none"> Subject specialization (MCQS) Essay Interviews
Subject specialization	Subject specialization
----	----
Avg. Age: mid 30s	Avg. Age: mid 30s
12 courses, 42 credit hours, 1 live project	12 courses, 42 credit hours, 1 live project
Rs. 35,000/- per course Rs. 30,000/- per course (If full fees is paid in advanced)	Rs. 35,000/- per course Rs. 30,000/- per course (If full fees is paid in advanced)
January	
1 year	
city	

- All admission are subject to candidates' meeting, minimum eligibility requirement and qualifying aptitude test, group discussion, interview as applicable.
- To apply for any of the above programs please visit IBA's website: www.iba.edu.pk or email at: info@iba.edu.pk



Undergraduate programs:

The IBA launched its Bachelor programs in Business Administration (BBA) in 1982, conducted under the patronage of the University of Karachi. These were 3-year programs, which continued till 1994. Upon acquiring a degree awarding status that year, IBA changed the curricula of its bachelor programs. This was done to bring them in accordance with international standards. To this end, the B.S. (Computer Science) program was introduced. In pursuit of making IBA undergraduate degrees compatible with international standards, all IBA undergraduate programs were upgraded to 4-year degree programs in 2002. Cognizant of the growing demand for these programs, IBA introduced a series of B.S. Programs, including B.S. (Economics & Mathematics), B.S. (Social Sciences & Liberal Arts) & B.S. (Accounting and Finance) in 2012 and 2013. IBA has also introduced B.S. (Economics) program in 2018. IBA thus expanded the array of undergraduate qualifications and degrees available to its students. These offerings were augmented by incorporating student-conducted tutorials, projects and other initiatives leading to a highly satisfying experience under a credible faculty and insightful mentors.

Graduate programs:

The IBA initially offered MBA program only for day scholars. In 1957, an evening program was launched to cater to the needs of the numerous working executives and managers, who were interested in furthering their careers through business studies. Since obtaining a master's degree involves acquiring complex analytical and critical skills in a particular field, it allows students to develop specialized skills. Additionally, producing original work, including the writing and defense of a thesis or dissertation, is a major constituent of graduate studies. The M.S. degree is an untagged degree, as the name of the major is excluded from the degree title, whereas MBA is a tagged degree. Over the years, the MBA program has evolved significantly, aided by the revamped curriculum. MBA Executive Program was launched in 2009. This degree program has gained momentum among professionals of public and corporate sector of Pakistan. MBA Executive offers wonderful opportunity to professionals to acquire world class degree in Business Administration without leaving their earning stream. The introduction of M.S. (Computer Science) and M.S. (Economics), in the years 2008 and 2010, respectively, further diversified the

streams of the graduate programs, and enabled graduate students to work outside their specific field of study at graduate level. The M.S. programs, on the other hand, enable prospective applicants to enhance their long-term performance in the dynamic fields of Science and Economics. Aspirants of the graduate programs can expect a thoroughly transformational experience, which will leave a lasting impact on their careers and professional intellect. Moreover, IBA has recently launched M.S. (Journalism) and M.S. (Islamic Banking and Finance) programs to cater the needs of the market.

Doctoral programs:

The IBA launched its Ph.D. (Computer Science) program in the year 2005 and Ph.D. (Economics), (Mathematics) in the year 2011. Another feather in IBA's cap, these three Ph.D. level programs epitomize IBA's endeavor to become a world-class institution. They test the temperamental and analytical capacity of potential candidates, while ensuring sustainable progression of their careers. These programs serve as valuable platforms for refining skills and honing the competencies of the pursuers of the degree.



Postgraduate diploma programs:

In the realm of higher education, the IBA Karachi has recently started four post-graduate diploma courses in:

- Supply Chain Management
- Human Resource Management
- Project Management
- Healthcare Management

These courses have been designed to develop an in-depth understanding of strategic, tactical, and operational challenges which skilled practitioners are likely to face. Each PGD spans 1 year with 12 courses and a live project. These courses will help bridge the competency gap in Pakistan and will enhance the professionalism of those involved in the industry. The curriculum design is based on several years of research through various stakeholder surveys and focus groups. Each program is devised to develop critical thinking among students and motivate them in the application of their knowledge. The studies will also be augmented by online learning facility through Learning Management System. The following accreditations and partnerships help the program participants to prepare for advanced level skill set and immediate application of knowledge at the workplace:

- Academy of Human Resource Development, USA
- American Institute of Healthcare Quality (AIHQ)
- Project Management Institute, USA (Registered Education Provider)
- APICS, USA
- GS1 Standard Pakistan
- Institute for Supply Chain Management
- Indus Hospital
- Memon Medical Institute
- Tabba Heart Hospital
- Liaquat National Hospital



Associate Deans and Chairpersons

Associate Deans



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 M.S. (Electrical Engineering), Columbia University, USA
 B.S. (Electrical Engineering), MIT, USA
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Chairpersons

Accounting & Law



Haroon Tabraze

Computer Science



Dr. Shakeel
 Khoja

Economics



Dr. Heman Das
 Lohano

Finance



Dr. Ahmad Junaid

Management



Dr. Mohammad
 Kamran Mumtaz

Social Sciences & Liberal Arts



Dr. Faiza Mushtaq

Marketing



Dr. Huma Amir

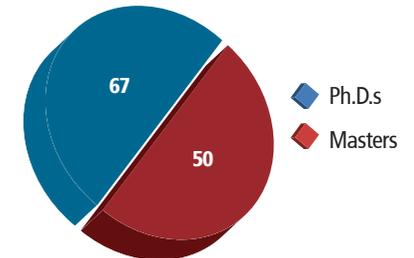
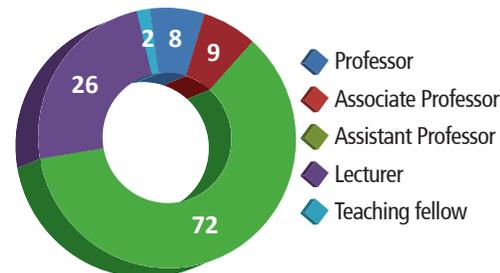
Mathematical Sciences



Dr. Junaid Alam
 Khan

Full time faculty at a glance

Degree	Strength
Ph.D. (foreign)	54
Ph.D. (local)	13
Master (foreign)	32
Master (local)	18
Total	117
Pursuing higher education (abroad)	19
Pursuing higher education (local)	1



The faculty



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<p>Ambarin Asad Khan Lecturer <i>(Study leave)</i> Ph.D. , University of Manchester, UK <i>(in progress)</i></p>	<p>Jami Moiz Assistant Professor MBA (Marketing), Schiller International University, London, UK</p>	<p>Sumayyah Khurshid Khan Lecturer M.S. (Marketing), The University of Texas at Dallas, USA</p>
<p>Amber Gul Rashid Assistant Professor Ph.D. (New Service Development and Offshore Outsourcing of IT Services), Salford University, Manchester, UK <i>(Jointly associated with the department of Computer Science)</i></p>	<p>Nida Aslam Khan Lecturer DBA, Grenoble Ecole de Management, France <i>(in progress)</i></p>	<p>Wajid H. Rizvi Assistant Professor Ph.D. (Marketing), Swansea University, UK</p>
<p>Ejaz Ahmed Mian Assistant Professor Ph.D. (Marketing), University of Penang, Malaysia</p>	<p>Obaid Pervaiz Gill Lecturer <i>(Study leave)</i> Ph.D. (Strategic Orientations & Brand), University of New South Wales, Australia <i>(in progress)</i></p>	
<p>Farah Naz Baig Assistant Professor Ph.D., University of Southampton, UK <i>(in progress)</i></p>	<p>S.M. Saeed Lecturer MBA (Marketing), Institute of Business Administration, Karachi, Pakistan</p>	

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Syed Muhammad Kamil Mahmood

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Mohammad Hanif Ajari

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Shah Muhammad Saleem

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Najeeb Agrawalla

M.Sc. (Marketing), UMIIST, Manchester

Rehan Saeed

MBA (Marketing), Institute of Business Administration, Karachi

Ahmad Jamal

MBA (Marketing & Finance), Institute of Business Administration, Karachi

Shah M. Saad Husain

MBA, Institute of Business Administration, Karachi

*(Jointly associated with the department of Management)***Muhammad Imran**

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Saqib Ur Rehman

Ph.D. (Applied Mathematics), University of Karachi

Syed Tauqeer Ahmed

M.S. (Applied Mathematics), NED University

Fahim Raees

Ph.D.(CFD & Numerical Mathematics), Delft University of Technology, The Netherlands

Syed Inayatullah

Ph.D. (Mathematics), University of Karachi

Zohaib Aziz

Ph.D. (Statistics) from Institute of Business Administration, Karachi
(in progress)

Muhammad Imtiaz

Ph.D. (Operation Research), University of Karachi

Zaheer Uddin

Ph.D. (Laser spectroscopy), Technical University Graz, Austria

Javed Iqbal

Ph.D. (Econometrics and Business Statistics), Monash University, Australia
(Jointly associated with the department of Economics)

Muhammad Jawed Iqbal

Post-doc, Stony Brook University, USA

Muhammad Jahangir

Ph.D. (Physics), University of Karachi

Faisal Haroon Zai

Ph.D. (Finance) Cass-TIAS Business School *(in progress)*

Muhammad Shahid Qureshi

Ph.D. (Mathematical Astronomy), ISPA, University of Karachi

Muhammad Najam Uddin

Ph.D., University of Karachi *(in progress)*

Samira Sahar Jamil

Ph.D. (Mathematics) Institute of Business Administration, *(In Progress)*

Najeeb Alam Khan

Ph.D. (App. Maths, Fluid Dynamics, Differential Equation), University of Karachi

S. Khursheed Alam

M.Sc. (Statistics), University of Karachi

Adjunct Professors

Economics & Law

Syed Salim Raza

Former Governor, State Bank of Pakistan

Sadeq Sayeed

Chairman, Metage Capital Ltd. UK

Marketing

Wasim Azhar

Director, Excellence Exchange and Coaching Connection Programs, Center for Teaching Excellence, Haas School of Business

Mohammad Qaiser Jamal

Former CEO, Byco Oil Pakistan Limited

M. Asif Saad

Board member of Education Fund for Sindh, Engro Polymer & Chemicals, Alfalah GHP Investments and Port Qasim Authority

Management

Zaffar A. Khan

Former President & CEO, Engro Chemicals

Social Sciences & Liberal Arts

Javed Jabbar

Former Senator, Ex-Federal Minister for Information and Broadcasting

S. Akbar Zaidi

Political Economist and Visiting Professor at Columbia University, New York

Syed Noman Ul Haq

Renowned scholar with noted contribution in Islamic History & Philosophy

Heads of Departments

<p>Wing Commander (Retd.), Aamer Shabbir Khan General Manager Administration</p>	<p>Shahid R. Mir Director QEC</p>	<p>Malahat Awan Head of Alumni Affairs, Graduate Placement, External Relations and Resource Mobilization</p>
<p>Abdul Wajed Khan Controller of Examinations</p>	<p>Asad Ilyas Head of Testing Services</p>	<p>Jami Moiz Superintendent boys' hostel</p>
<p>Moeid Sultan Director Finance</p>	<p>Imran Batada Director ICT & CICT</p>	<p>Maria Siddiqui Superintendent girls' hostel</p>
<p>M. Khurram Khalid Head of Internal Audit</p>	<p>Mashooque Ali Bhatti Director Human Resource Department (HRD)</p>	<p>Nida Aslam Khan Student Counselor</p>
<p>Shamsuzzoha Jafri General Manager Corporate Affairs</p>	<p>Muhammad Anwar Head Librarian & Incharge Research Data Centre</p>	

Program Directors

<p>Kamal Haq Siddiqi</p> <p>Centre for Excellence in Journalism</p>	<p>Dr. Zeenat Ismail</p> <p>Talent Hunt Programs</p>	<p>Dr. Danish Ali</p> <p>Ph.D., M.S., (Mathematics) & B.S. (Economics & Mathematics) Programs</p>
<p>Dr. Shahid Qureshi</p> <p>Centre for Entrepreneurship Development</p>	<p>Dr. Heman Das Lohano</p> <p>Ph.D., M.S., B.S. (Economics) & B.S. (Economics & Mathematics) Programs</p>	<p>Rabail Qayyum</p> <p>Foreign Languages Program</p>
<p>Syed Sharjeel A. Hasnie</p> <p>Program offices</p>	<p>M. Saleem Umer</p> <p>MBA Executive Program</p>	<p>Nyla Aleem Ansari</p> <p>Human Resource Management Program-CEE</p>
<p>Ahmed Ali Siddiqui</p> <p>Centre for Excellence in Islamic Finance</p>	<p>Dr. Irum Saba</p> <p>M.S. (Islamic Banking & Finance Program)</p>	<p>Ayesha Anas Iftikhar</p> <p>Family Business Management Program-CEE</p>
<p>Maria Hassan Siddiqui</p> <p>Ardeshir Cowasjee Writing Centre</p>	<p>Dr. Izhar Hussain</p> <p>Centre for Executive Education</p>	<p>Dr. Rameez Khalid</p> <p>Supply Chain Management Program-CEE</p>
<p>Dr. Qazi Masood Ahmed</p> <p>Centre for Business & Economics Research</p>	<p>Dr. S.M. Faisal Iradat</p> <p>FCS Program</p>	<p>Dr. Syed Irfan Nabi</p> <p>Project Management Program-CEE</p>

Summer semester 2018

Online course registration – 11 to 12 June, 2018

Summer semester 2018 begins: June 21, 2018 (Thursday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days
June 21, 2018	10	1	-	-	9
July, 2018	31	5	1*	2	23
August 07, 2018	7	1	-	2	4
Total days	48	7	1	4	36

*Election 2018 holiday

Activity	Action by	Commencement date	Completion date
Mid term exams	Controller of exam	July 14, 2018	July 16, 2018
Faculty evaluation	Students	July 20, 2018	July 21, 2018
Preparatory holiday	Students	August 05, 2018	
Final exams	Controller of exam	August 06, 2018	August 07, 2018
Promulgation of results	Faculty	August 06, 2018	August 17, 2018
Comprehensive exam		August 18, 2018	

Fall semester 2018

Online course registration – 25 July to 31 July, 2018

Orientation day: August 27, 2018 (Monday)

Fall semester begins: August 28, 2018 (Tuesday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days
August 28, 2018	4	-	-	-	04
September, 2018	30	5	2	-	23
October, 2018	31	4	1	6	20
November, 2018	30	4	1	-	25
December, 2018	31	5	2+1*	10	13
Total days	126	18	7	16	85

*Preparatory holiday

Activity	Action By	Commencement date	Completion date
Mid term exams	Controller of exam	October 20, 2018	October 27, 2018
Faculty evaluation	Students	December 4, 2018	December 8, 2018
Preparatory holiday	Students	December 17, 2018	
Final exams	Controller of exam	December 18, 2018	December 31, 2018
Promulgation of results	Faculty	December 18, 2018	January 15, 2019
Comprehensive exam		January 19, 2019	

Short winter semester 2019: January 1 to January 15, 2019

Spring semester 2019

Online course registration – 01 to 05 January, 2019

Orientation day: January 15, 2019 (Tuesday)

Spring semester begins: January 16, 2019 (Wednesday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days	Activity	Action By	Commencement date	Completion date
January 16, 2019	16	2	-	-	14	Mid term exams	Controller of exam	March 9, 2019	March 15, 2019
February, 2019	28	4	1	-	23	Faculty evaluation	Students	May 2, 2019	May 6, 2019
March, 2019	31	5	2	6	18	Preparatory holiday	Students	May 10, 2019	May 14, 2019
April, 2019	30	4	1	-	25	Final exams	Controller of exam	May 15, 2019	May 25, 2019
May 25, 2019	25	3	1+4*	10	7	Promulgation of results	Faculty	May 15, 2019	June 09, 2019
Total days	130	18	9	16	87	Comprehensive exams		August 17, 2019	

*Preparatory holiday

Summer orientation program 2019 (MBA): July 15, 2019 to August 26, 2019

Summer semester 2019

Online course registration – 12 to 13 June, 2019

Summer semester 2019 begins: June 17, 2019 (Monday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days	Activity	Action By	Commencement date	Completion date
June 17, 2019	14	2	-	-	12	Mid term exams	Controller of exam	July 08, 2019	July 09, 2019
July, 2019	31	4	1*	2	24	Faculty evaluation	Students	July 16, 2019	July 17, 2019
August 02, 2019	2	-	-	2	-	Preparatory holiday	Students	July 31, 2019	July 31, 2019
Total days	47	6	1	4	36	Final exams	Controller of exam	August 01, 2019	August 02, 2019
						Promulgation of results	Faculty	August 01, 2019	August 12, 2019

*Preparatory holiday

Fall semester 2019

Online course registration – 25 to 31 July, 2019

Orientation day: August 27, 2019 (Tuesday)

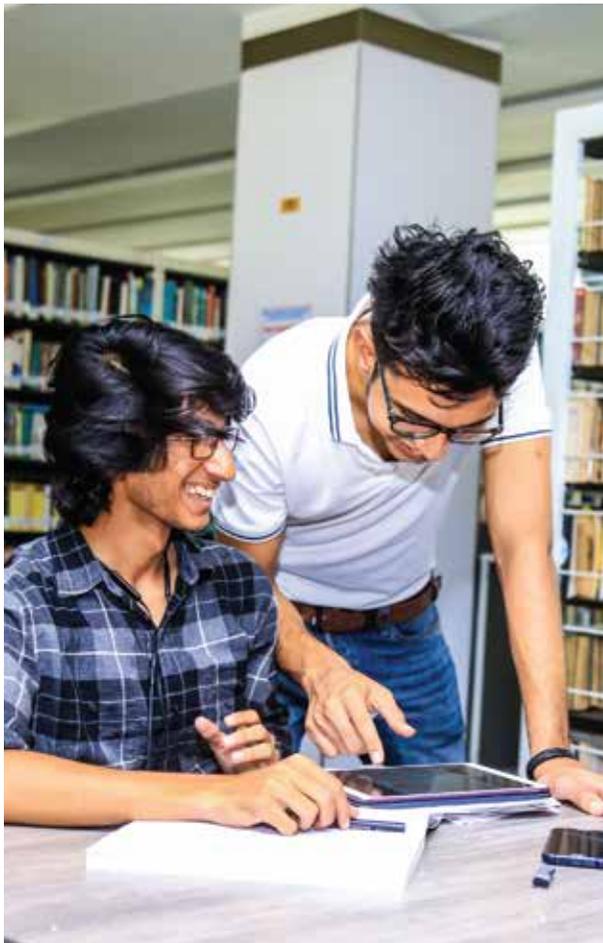
Fall semester begins: August 28, 2019 (Wednesday)

IBA's major donors



Admission policy and procedures

It is a matter of pride for IBA that it has never compromised on quality in its standards of student intake, classroom instruction and discipline, and assessment and testing during the entire existence, spanning over more than sixty years. The challenge has been to continue the emphasis on quality, while promoting a culture of inquiry, innovative thinking, and intellectual and moral growth. In our drive to reach higher standards, The management of IBA considers it imperative to review the admission policy periodically and update it in the wider context of international practices.



Salient points:

- Admissions will be offered to all those who qualify strict merit-based admissions criteria irrespective of their race, religion, gender, ethnicity, or socioeconomic background.
- No provision for any reserved /quota seats will be provided for any category of IBA admissions applicants.
- No attempt will be made to fill all available seats or lower the admissions criteria if an insufficient number of candidates apply or an individual candidate fails to satisfy the criteria.
- The cut-off point for individual programs in the Aptitude Test will be decided by the Admissions Committee using rigorous methods based on statistical analysis.
- For undergraduate programs, there will be one Aptitude Test for admission to both the campuses of IBA. Candidates may choose their specializations after a minimum of two years of study at IBA for undergraduate and one year for graduate programs.
- No distinction will be made in the fee structure between the main and city campuses.
- No qualified candidate will be refused admission on the basis of his/her inability to pay the IBA fee; these candidates will be encouraged to apply for financial assistance and ensure if they meet it's award criteria.
- Admitted candidates who need financial assistance are encouraged to apply for it through the financial assistance office. Assistance is available in the form of full or partial scholarships, deferred payment plans, and part time work. The level and composition of assistance is determined by a financial aid committee. Needy students may also apply for interest free loans through a non-IBA lending agency.

Conditions:

The admission is based on candidate's ability to meet the following conditions:

- Applying online and registering for the aptitude test.
- Paying the required fee for processing of the admission application and obtaining the admit card.
- Qualifying the aptitude test or providing a proof for exemption from the aptitude test by furnishing SAT I/SAT II /GMAT/GRE score transcript, whichever is applicable.
- Participating in a group discussion and appearing for an interview* and meeting the requirements of both.
- Meeting the minimum academic eligibility requirement for the concerned program and providing all relevant academic documents.
- Providing equivalence certificate in case the applicants hold degrees issued by non-Pakistani universities/boards.

Aptitude test, group discussion & interviews:

The admission is based on candidate's ability to meet the following conditions:

- Applying online and registering for the aptitude test.
- Paying the required fee for processing of the admission application and obtaining the admit card.
- Qualifying the aptitude test or providing proof for exemption from the aptitude test by furnishing SAT I/SAT II/GMAT/GRE score transcript, whichever is applicable.
- Participating in a group discussion and appearing for an interview* and meeting the requirements of both.
- Meeting the minimum academic eligibility requirement for the concerned program and providing all relevant academic documents.
- Providing equivalence certificate in case the applicants hold degrees issued by non-Pakistani universities/boards.

Admission policy and procedures

IBA test exemptions:

Applicants meeting the requirements specified below for each program are exempted from appearing in the IBA aptitude test:

BBA program – SAT I

- A score of 640 (out of 800) in Mathematics
- A score of 630 (out of 800) in evidence-based reading and writing
- An average score of 6 of 3 dimensions for essay (out of 8) (reading, analysis, and writing)

BSSS program – SAT I

- A score of 600 (out of 800) in Mathematics
- A score of 600 (out of 800) in evidence-based reading and writing
- An average score of 6 of 3 dimensions for essay (out of 8) (reading, analysis, and writing)

BSAF program – SAT I

- A score of 640 (out of 800) in Mathematics
- A score of 630 (out of 800) in evidence-based reading and writing
- scores of essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission

BSCS and BSEM program – SAT I

- A score of 640 (out of 800) in Mathematics
- A score of 600 (out of 800) in evidence-based reading and writing
- Scores of essay are not required for the purposes of admission, however, may preferably be submitted for placement in English courses subsequent to admission

– SAT II

- A score of 650 (out of 800) in SAT II (subject test) in Mathematics

BSECO Program – SAT

- A score of 600 (out of 800) in Mathematics.
- A score of 600 (out of 800) in evidence-based reading and writing.
- Scores of essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission.

BBA program – ACT

- A composite score of 29 (out of 36)
- An English/writing score of 25 (out of 36)

BSSS program – ACT

- A composite score of 28 (out of 36)
- an English/writing Score of 25 (out of 36)

BSAF, BSCS, BS Economics and BSEM program – ACT

- A composite score of 28 (out of 36)
- score of English/writing is not required for the purposes of admission; however, may preferably be submitted for placement in English courses subsequent to admission

MBA Executive

- Minimum 600 score in GMAT or 160 score in quantitative GRE (international)

MBA program

- Minimum 600 score in GMAT or 160 score in quantitative GRE (international)

M.S. programs

- 160 score in quantitative GRE (international)
- Score of English/writing is not required for the purposes of admission; however, these scores may preferably be submitted for placement in the English courses subsequent to admission

Ph.D. programs

- 160 score in quantitative GRE (international)
- Score of English/writing is not required for the purposes of admission; however these scores may preferably be submitted for placement in the English courses subsequent to admission

Program-wise requirements for admission:

More specific information about the requirements for admission to the individual programs is appended as under:

Minimum requirements for undergraduate programs:

BBA program

Higher secondary school certificate with a minimum of 65% marks

or

'A' Levels with a minimum of 2 Bs and 1 C in three principal

subjects such that there should be no grade less than a C across the three principal subjects. No credit is applicable for any subsidiary, general, or advanced supplementary examination.

or

American/Canadian high school diploma with a minimum of 80% or an International Baccalaureate with at least 25 points out of 45. All other degree holders must provide an equivalency certificate from IBCC.

B.S. Programs in Computer Science, Economics and Mathematics

Higher secondary school certificate (pre-engineering) with a minimum of 60% marks or higher secondary school certificate (general group with Mathematics) with a minimum of 60% marks

or

'A' Levels with a minimum of 1 B and 2 Cs in three principal subjects (including Mathematics) such that there should be no grade less than a C across the three principal subjects. No credit is applicable for any subsidiary, general, or advanced supplementary examination

or

American/Canadian high school diploma with a minimum of 80% or an International Baccalaureate with at least 24 points out of 45. All other degree holders must provide an equivalency certificate from IBCC

B.S. Programs in Accounting and Finance, Economics and Social Sciences and Liberal Arts

Higher secondary school certificate with a minimum of 60% marks

or

'A' Levels with a minimum of 1 B and 2 Cs in three principal subjects such that there should be no grade less than a C across the three principal subjects. No credit is applicable for any subsidiary, general, or advanced supplementary paper

or

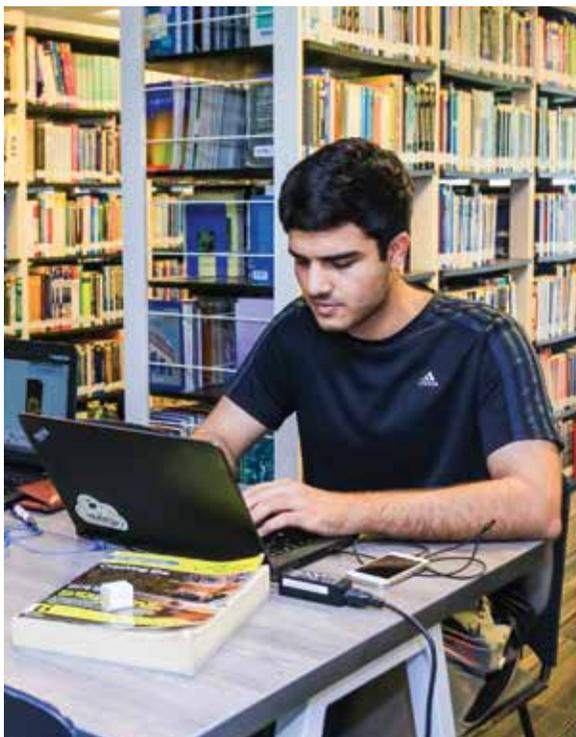
American/Canadian high school diploma with a minimum of 80% or an International Baccalaureate with at least 24 points out of 45. All other degree holders must provide an equivalency certificate from IBCC

Minimum requirements for graduate programs:**MBA, MBA (evening), and MS programs**

A minimum of 16 years of education (culminating in a master's degree or equivalent) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute* with 2.5 CGPA or 60% in the last degree. Work experience requirement is not mandatory for MBA program; however, candidates with work experience will be preferred.

MBA Executive

Holders of 16 years of qualification in the first class or with minimum 2.5 CGPA (whichever applicable in university) and minimum 3 years of post-qualification experience or CA with 2 years of post-qualification experience. Foreign degree holders, including ACCA, will be required to submit equivalence certificate from HEC.

**Minimum requirements for Ph.D. programs:**

MS/M.Phil./Equivalent in relevant subject from HEC recognized local/foreign university. A minimum 60% aggregate marks in the last degree, provided numerical scores of each subject are mentioned in the transcript/mark sheet.

or

A minimum of 3.0 CGPA on a scale of 4.00 in the last degree, provided alphanumeric grades of each subject are mentioned in the transcript/mark sheet. Ph.D. candidates will also have to fulfill more specific requirements laid out by the concerned departments.

*All other degree holders must provide an equivalency certificate from HEC (www.hec.gov.pk).

**Minimum requirements for postgraduate diploma (PGD):****Supply Chain Management, Human Resource Management, and Project Management**

- 14 years of formal education with a 6-year post-qualification work experience
- 16 years of formal education with a 3-year post-qualification work experience

Healthcare Management

- MBBS/BDS with a 2-year experience in a hospital
- Nurse graduates with a minimum of 5-year experience in a hospital
- Other healthcare professionals with 16 years of formal education with a minimum of 2 years of work experience in a hospital

Provision for professional degree holders and visiting students

Holders of professional degrees/certificates (such as BE, MBBS, LLB, CPA, CA, and ACCA) are encouraged to apply for MBA/Master's programs. The institute also admits, without any prerequisites, visiting students in single courses depending upon the availability of seats.

Equivalency claims

As a general rule, all equivalency claims shall be evaluated by the HEC (www.hec.gov.pk)



Credit transfer policy:

Definition of a transfer candidate:

A candidate who has attended any of the top 100 universities so ranked by the international ranking compiled by Shanghai Jiao Tong University's Institute of Higher Education or by The Times Higher Education Supplement (THES) or Quacquarelli Symonds (QS).

Transferable course credits:

Course credits are transferable from Lahore University of Management Sciences, and Karachi School for Business & Leadership, as well as from the universities with which IBA has signed MOUs, provided that the candidate was enrolled in degree programs at these institutions.

Further credit transfer stipulations:

- The candidate's CGPA must be 3.0 or above on a scale of 4.0 or equivalent. The candidate is further required to have passed all stages of IBA admissions process and offered admission at IBA
- The IBA reserves the right to accept or reject any transfer candidate
- When deemed appropriate, The IBA may conduct subject Interview prior to admission
- The Academic Committee shall recommend courses to be accepted for credit transfer subject to the approval of the Academic Board
- Transfer of credits will be applicable to those courses with a minimum of B grade
- A minimum of 50% of total degree credits must be completed at IBA
- Courses transferred shall be indicated in the final transcript as being 'transfer credits'
- The grades of transfer credits will be included in the calculation of the CGPA and such students will be entitled to compete for positions/medals
- The dropped out students of any program who get admission again by clearing the IBA admission test and other requirements will get the credit of the courses in which they had obtained a minimum of B grade. For

transferring credits from one IBA program to another, provided that the course code is the same, the course will automatically be accepted in the new program

Experience requirement for MBA Executive:

Although the minimum requirement of experience is 3 years after 16 years of qualification, IBA prefers candidates with 5 years of post qualification experience.

For self-employed and those involved in family business, IBA's admission committee will decide if their experience is acceptable. Similarly, other determination is done by admission committee.

Applicants with a criminal record:

The IBA acknowledges the key role of education in the rehabilitative process and a criminal record will not preclude an applicant from being offered a place at the institute. However, as part of its duty of care to its staff and students, the IBA will ask for information about any criminal record. Similarly, the IBA will ask any student rusticated or expelled on disciplinary ground from any other institution for additional information about any relevant matter.



Admissions procedure:

Online applications are accepted through IBA online admissions system. The link to the IBA online admissions system is available on IBA's website (www.iba.edu.pk). To apply online, applicants need to fill out an online admission application form, print a bank challan and take it to the designated bank branches to deposit the admission processing fee. The bank challan duly stamped by the bank officer is then to be taken to the admissions office for collection of the admit card on the prescribed dates as per the procedure.

Aptitude test:

The aptitude test is conducted simultaneously in Karachi and other cities on specified date announced in media/on IBA's website. Candidate may choose the test location while filling out the online application. The admit cards issued to the applicants indicate the test center, date, and reporting time. Please make sure to read all instructions given on the back of the admit card carefully. The applicants should bring their admit cards along with a photo ID to be able to appear for the aptitude test. Candidates who pass the aptitude test qualify for the group discussion followed by an interview.

Interview list:

The names of candidates who qualify the aptitude test and are eligible to participate in group discussion and interview activities will be displayed on our website. These candidates are to report to the venue at the designated date and time for the aforementioned activity.

Documents required:

Candidates are required to bring the following documents in original on the day of group discussion and Interview:

- Matriculation/O' Levels certificate with transcript/marks sheet. Higher secondary school certificate (Part I)/A' Levels (First year) certificate with transcript/marks sheet
- Bachelor's degree with transcript/marks sheet*. Master's degree with transcript/marks sheet*
- Work experience certificate*

Group discussion:

The selected candidates are divided into groups. These groups are given a topic to debate and discuss amongst themselves. During this process, communication skills, interpersonal skills, confidence and leadership potential are assessed*.

Interview:

Interviews are conducted for evaluating the level of maturity, academic aptitude, motivation, interpersonal skills and career focus of the applicants*.

List of successful candidates:

The names of candidates who qualify the admission requirements will be notified through a list on IBA website. These candidates will get their admission letter, fee challan, and other documents through an email sent by the admission office. As a prerequisite for issue of admission letter and other documentation, all successful candidates are required to deposit the transcripts bearing proof of their having met the minimum academic eligibility requirements for the respective programs.

Fee and enrolment:

Only those candidates should deposit their fee in the prescribed banks who have met the academic eligibility criteria for the concerned program (other candidates should not deposit any fee as they will face a lengthy process of getting the refund). These candidates must, however, submit the following documents in original, along with copies attested by a gazetted officer to complete the enrolment process:

- Matriculation/O' Levels certificate
- HSC/A' Levels certificate with transcript/marks sheet
- Bachelor's degree with transcript/marks sheet
- Master's degree with transcript/marks sheet
- Work experience certificate*
- Migration certificate of the university/board concerned, except in the case of Karachi university/Karachi board

- Equivalence certificate in case of holders of degrees/certificates issued by non-Pakistani universities/boards
- Original copy of fee challan deposit slip
- Photos

*where applicable

Disclaimer: Any candidate who provides false or incorrect information about work experience, grades, financial status of the family, or any other required material, or submits any fake supporting documents will be permanently debarred from applying to the IBA.



Rules and regulations

General:

The primary goal of rules and regulations is to ensure the quality and standard of education as well as to encourage professionalism.

They also promote transparency in academic administration through the appropriate definition, communication and implementation of institutional policies. Adherence to rules and regulations by all concerned parties is vital for the proper functioning of the programs. Some of the core elements of the Rules and regulations pertaining to the academic conduct at IBA are appended below for guidance and compliance by all concerned parties/departments/officials:

Discipline:

Discipline, punctuality and conformity to schedules and deadlines are basic requirements at the IBA and are expected equally from faculty members and students. This ensures a strong commitment towards professional excellence in all those who come to teach or learn at the IBA.

Good standing:

Students are required to maintain discipline, good conduct and behavior during their studies at the IBA. A student shall be deemed to have lost good standing if his/her conduct and behavior is found objectionable from a disciplinary point of view. Consequently, his/her name shall be dropped from the rolls of the Institute.

Attendance:

A distinguishing feature of the IBA is its stringent adherence to the academic calendar. A detailed program is provided on the first day of every semester. Students are required to attend lectures, laboratory sessions, seminars and fieldwork specified for every course in a semester. The course instructor takes attendance in each class session. Late comers are marked absent even if late by one minute. No excuse is accepted. If a student accumulates more than the permissible absences, he/she is awarded a 'F' in that particular course. Students found tampering with attendance records in any way will immediately be expelled from the institute. All students of the IBA are allowed 25% absences which will include participation of the IBA students in conferences/seminars/events, sports at national or international level, an exchange program, religious activities (proceeding and pilgrimage etc.) and add drop week. Permissible absences per semester are mentioned in the table

Semester type	Duration of session	Total sessions	Allowed absences
Spring or fall	75 or 90 minutes	28	7
Spring or fall	150 or 180 minutes	14	3
Spring, summer, fall	180 minutes	12 MBA-Executive only	3
Summer	120 minutes	18	5
Winter	180 minutes	12	4

Please note that no attendance will be transferred from one course to the other. Attendance transfer will only be allowed across sections of the same course. Attendance of classes on the first and last day of the semester is compulsory for all students.

Cheating & plagiarism:

The IBA maintains a strict policy on academic impropriety based on its zero-tolerance for such activity. Any student found cheating or using unfair means in examinations will be immediately expelled from IBA and is declared ineligible for re-admission. A booklet highlighting IBA's policy on plagiarism is available on the portal for all students to read and compliance.

Mobile phones, smart watches and any other communication devices are strictly prohibited during examinations. A fine of Rs. 10,000 to Rs. 20,000 shall be applied to students who violate this rule.

Transfer of credits:

Students of MBA Evening Programs may seek advance credit for not more than two required courses, which they may have successfully completed while being students in the certificate

Normal course load for undergraduate programs:

Please note that normal load varies for different semesters and different programs.

Programs	Semester (Credit hours)							
	1	2	3	4	5	6	7	8
BBA	15	18	15	15	16	16	15	18
B.S. (Accounting and Finance)	15	15	15	15	16	15	15	15
B.S. (Computer Science)	17	19	17	17	17	17	15	12
B.S. (Economics and Mathematics)	15	15	16	15	17	16	19	15
B.S. (Economics)	15	15	15	15	16	16	19	15
B.S. (Social Sciences and Liberal Arts)	15	15	16	16	16	16	16	18

program. They are subject to the following conditions:

- The student must have held a Master's degree with 60% marks at the time of admission to the certificate program.
- The final grade of the course in the semester should be at least "B".
- The course for which the credit is sought was completed within two years from the date of admission.

6th course policy for undergraduate programs:

Students are allowed to take a 6th course only under the following conditions:

- If a student has a course deficiency due to taking college algebra, it may be overcome by taking a 6th course in any subsequent semester after taking college Algebra.
- If a student has a course deficiency due to failure in a course, it may be overcome by taking a 6th course in their 7th or 8th semester.

There is no minimum CGPA requirement in aforementioned cases and students may enrol in their 6th course without obtaining special permission from the Associate Dean. All other students required to follow the semester wise course load given below for their respective program including non-credit courses. Students are also encouraged to make up their deficient courses during summer semesters.

Normal course load for graduate program:**MBA (morning):**

18 credit hours per semester for a total of 4 semesters

MBA (evening):

6 credit hours in a semester including summer semester.

If a student has an average CGPA of 3.0 in the previous semester, he/she may take 9 credit hours (excluding summer).

If a student is enrolled in a Corporate Strategy course, then an additional 3 credit hours' course may be studied (only 6 credit hours in that semester).

In (MBA- IV), a student may however take two additional courses to complete course work.

MBA Executive:

9 credit hours per semester

If a student has an average CGPA of 3.0 in the previous semester, he/she may take 12 credit hours courses.

M.S. (Mathematics):

12 credit hours per semester.

30 credit hours to be completed in 2 years that includes 24 credit hours course work and 6 credit hours' thesis.

M.S. (Computer Science):

12 credit hours per semester.

For full time students 30 credit hours to be completed in 1.5 years that includes course work, research survey or thesis. For evening students, the requirement is to complete the degree 4 years.

M.S. (Economics):

12 to 15 credit hours per semester excluding summer in which up to 6 credit hours are possible. However, if the student is doing thesis then 18 credit hours may be possible.

For full time students 54 credit hours to be completed in 2 years that includes course work and thesis.

M.S. (Islamic Finance):

12 credit hours per regular semester.

6 credit hours per summer semester.

M.S. (Management):

12 credit hours per regular semester.

6 credit hours per summer semester.

M.S. (Journalism):

15 credit hours per regular semester.

3 to 6 credit hours per summer semester.

Ph.D. (Mathematics):

Maximum of 12 credit hours per semester.

18 credit hours course work in first three semesters after admission. 12 credit hours' dissertation.

Ph.D. (Economics):

Maximum of 12 credit hours per semester.

Ph.D. (Computer Science):

Maximum of 12 credit hours per semester.

24 credit hours course in first three semesters after admission. 12 credit hours' dissertation.

A student cannot take additional course(s) in any semester except in the final semester (MBA - IV).

3 to 6 credit hours may be studied in summers. If a student is doing internship, then 3 credit hours are allowed otherwise 6.

If a student needs to remove his/her deficiency, he/she can do so by dropping a course in the final semester.

Withdrawal from a course:

A student may withdraw from courses if such withdrawal helps the student in improving their performance in the remaining courses. Withdrawal from a course is not treated as failure. It does not impact the GPA. A "W" grade would be indicated on the transcript for a withdrawn course. However, once a student has accumulated more than the permissible absences in any course, he/she is not allowed to withdraw from that course and is awarded with 'F'.

Full-time students are allowed to withdraw from two courses in a semester.

Part-time students are allowed to withdraw from some or all of the courses for which they have registered in a semester.

MBA Executive participants can withdraw from a course within one week after the announcement of mid term exam result.

Withdrawals from courses can be requested by submission of the course withdrawal form to the respective program office within one week after announcement of mid term/second term examination result in a regular semester or within one week after announcement of midterm examination results in the

summer semester. The prescribed withdrawal form can be obtained from the program office or downloaded from the IBA portal.

Semester freeze:

Semester Freeze (or break) is a semester in which a student is not registered for any course due to personal reasons. Any student availing one or more semester freeze must complete the degree requirements before the stipulated time bar for the program in which he/she is enrolled. Every student who wishes to avail a semester freeze must formally inform the program office about it at least one week before commencement of the semester.

If a semester freeze is required during a semester, then the application must be submitted to the program office at least one week before the commencement date of final exams for that particular semester. All courses are marked as withdrawn when a semester break is applicable.

Policy for make-up examinations:**i. Full time (morning) program students:**

Under normal circumstances, no make-up examination shall be allowed for missing mid term or semester final examination.

ii. Part time MBA/MBA Executive/M.S. program students: Evening MBA & MS/MBA Executive program students, who are sent out of Karachi during term and final exams on official assignments by their respective organizations, may be allowed to take make-up examinations after submitting a request on the student facilities system (SFS) under the following conditions:

- a. This facility will only be availed once for either one of the mid term exams or the final exam.
- b. The concerned student shall be required to provide the following documents at least one week before the scheduled exam:
 1. A certificate/official letter from his/her organization giving details of his/her official assignment.
 2. Evidence of official travel comprising tickets or boarding cards for air travel as applicable.
 3. The concerned student shall be required to appear in the make-up of a term exam within three weeks of the original exam date and within six weeks for the semester final exam on payment of make-up exam fee of Rs. 10,000 per course.

Extraordinary circumstances for make-up examination:

In extremely serious cases, authenticated by recognized hospitals, the academic committee may on the recommendation of the concerned program director/coordinator, consider allowing make-up exam in midterm exams only.

The committee's decision in this regard shall be final. This facility shall, however, be allowed for only one of the two mid term examinations in a semester. The policy on make-up exams under extraordinary circumstances includes the following cases:

- Student's own medical condition e.g. hospitalization
- Bereavement due to demise of a parent
- Severe illness of a relative (parent, spouse) e.g. their hospitalization for surgery or due to critical medical condition.
- Out of town travelling (official visit) for part time students as mentioned above (II a & b)
- Participation in an IBA approved event/conference

All applicants will have to submit a request on the student facilities system (SFS) and produce verifiable documentary evidence to substantiate their request. Other conditions of make-up exam will remain unchanged.

In case a student misses his/her final exam on personal/medical grounds, or other extraordinary circumstances he/she may apply for "I" (incomplete) with all supporting documents including medical certificates via the SFS to the academic committee (AC). If the AC is satisfied with the genuineness of the claim then it may award an "I" instead of a "F" in that course. In that case the concerned student will have to appear at the examination of that course in the following semester without attending classes provided the attendance of that student was complete. However, if the AC is not satisfied with the genuineness of the case, then "F" will be awarded. This policy will be applicable for all IBA programs.

The fee for re-take examination under above mentioned circumstances is Rs. 10,000/- per course.

Options for faculty:

In cases where midterm make-up exams have been allowed, the concerned course instructors in consultation with concerned chairpersons have the following options:

a. Re-conducting exams:

The course instructor may develop a make-up exam for the student if possible. The course instructor needs to ensure that the student does not get an unfair advantage if the missed exam was difficult. The make-up exams can be for one missed exam per course only.

b. Assigning an average grade:

The course instructor can offer an average to the student. However, the course instructor must consider whether to award the class average or average of student's overall performance as he/she may be a class topper or a weak student. The aspect of unfair advantage needs to be taken into account as a particular student may study more for some courses and less for others to balance out their overall performance.

c. Assigning a project or assignment:

The course instructor can assign additional course work which may help the student cover the missed work and can be evaluated on that basis.

Make-up of final exam:

If a student has missed the final exam, an average grade or assignment is not allowed as the student has not been tested on a large portion of the syllabus. A make-up exam must be conducted as stated above.

Rechecking of final paper:

Students may request for Rechecking of their exam scripts subject to a deposit of Rs. 12,000/- per course, which is refundable if any significant improvement in grades/marks is found after rechecking. They may request rechecking for only one of the mid terms or final exam per course within 1 month of release of final grades of all courses studied in a particular semester.

Dean's list:

The Dean's List is an honorary academic list of students who are exceptional performers at the Institution. The list is published at the end of each semester and displayed on the portal and website. There are separate lists for each full time program. All credit courses will be counted. A position on the Dean's list entitles the student to wear the IBA logo in a star on his/her ID card as a symbol of distinct identification which also allows him/her to avail benefits such as book discounts. Additionally, the said special mark will be displayed on the Dean's list achiever's transcript and against his/her entry in the graduate directory.

Criteria for Dean's list:

The following will be the criteria for including a student's name in the Dean's list:

- A candidate for Dean's list should have a CGPA of 3.5 or above.
- There must be no C- or lower grades in any of the courses during the semester.
- The student must have completed the normal course load for his/her particular semester. Undergraduate students in their last semester with 3 or less course are requested to take 4 or more courses in order to be eligible for Dean's list provided all other criteria are met.
- He/she must not have been subjected to any disciplinary action within the Institute during the semester. (disciplinary actions will include all those actions for which student can be suspended).
- The grades of the students earned from any top 100 universities of the world, as well as LUMS and the universities with which IBA has MOUs, will be included in their CGPA and they will be entitled to compete for the positions/medals.
- However, the credits for grades earned from universities other than those mentioned above will be decided on case to case basis but will not be included in the CGPA. Their positions/ranking will be determined by the courses they would take at IBA. This will be applicable for all degree programs at IBA.
- The semester average will be calculated on a weighted basis and shall include all courses studied at IBA.

- Students who obtain an academic semester average of 90% or more will earn the honor of the Dean’s list with distinction.
- The student must be deemed by the Executive Director’s Committee (Associate Deans and Executive Director) to be worthy of being on the Dean’s list.

Award of medals or shields for best student:

The top student of each program qualifying following criteria will be awarded the IBA medal. The 2nd and 3rd best students would be awarded shields.

All awards may not necessarily be given each year and for each degree program. Awards will only be given if the graduating batch of a program has a size of at least 20 students.

The criteria for award of medals/shields will be as under:

- The student, who has the highest CGPA (Cumulative Grade Points Average), without any failure, shall be eligible, provided the CGPA is 3.5 or higher.
- In case of a tie where the CGPA is the same, the student with the higher average percentage shall be eligible for the award of Medal.
- No award will be made unless there is a candidate of sufficient merit. For example, if only one student qualifies according to the above mentioned criteria, he / she will be awarded a medal and there will be no shield.
- No distinction shall be made between different batches from different admission cycles or campuses i.e. all graduating students of a particular program satisfying the above criteria would be considered as a large group of candidates for award of medal or shield described above.
- The student must have completed the normal course load for each semester of his/her program.

Grading & evaluation:

In addition to the above absolute scale, relative grading is also possible. Faculty members have the option of choosing either the absolute or relative grading scheme and may also decide the percentage for A, B, and C grade. A guideline of the same in the relative grading scheme will be available to help faculty in implementing the relative grading scheme.

Student performance is evaluated through a system of assessments spread over the entire period of their studies. In

addition to the final examination at the end of each semester, students are tested through term exams, a series of short quizzes, class discussions, written assignments, research reports, presentations on different topics etc., all of which contribute to the final grade. A student sits for 2-term examinations for each course every semester (scores of both term examinations are counted in the final grade). A number of surprise quizzes are also taken during the semester to monitor the performance of the students. In determining the course grade, 60% of the final grade is based on the semester work and 40% on the semester final examination. However, the institute reserves the right to modify these weights. A cumulative grade point average (CGPA) is computed at the end of the semester. Final grades in each course are converted to grade points on the following basis:

Sum of (credit hours X grade points)/sum of credit hours:

The initial CGPA of the PGD/MBA/MBA Executive/M.S. students of the evening program is calculated on the basis of the first 6 courses taken by them. Withdrawals and failures, if any, are also counted. “F” grades are shown on the provisional/final transcripts but are not counted in CGPA once the deficiency (F) is removed by the student.

Absolute grading scheme to evaluate a student’s academic performance:			
A	A	93-100	4.00
	A-	87-92	3.67
B	B+	82-86	3.33
	B	77-81	3.00
	B-	72-76	2.67
C	C+	68-71	2.33
	C	64-67	2.00
	C-	60-63	1.67
F	F	0-59	0.00
I	I	Incomplete	
W	W	Course withdrawn	

Minimum GPA requirements:

A student must maintain a minimum CGPA of 2.2 on a cumulative basis during his/her stay at the IBA. Any student with a CGPA of less than 2.0 is dropped from the rolls of the Institute forthwith.

If in any regular semester a student’s CGPA falls between 2.00-2.19, he/she would be issued a warning letter and put on probation in the next semester in which he/she is registered for studies. He/she would be required to bring his/her CGPA up to the desired point, i.e., 2.2.

At the end of the probation semester, a probationer is required to improve his/her CGPA and bring it up to the required minimum 2.2.

If a probationer shows an improvement, but his CGPA is still below 2.2, then his/her probation may be extended for another semester. If he/she still fails to bring his CGPA to 2.2 by the end of the next semester of studies, his/her name shall be dropped from the rolls of the Institute.

If a student fails to pass certain courses and yet manages to maintain his/her CGPA equal to or above 2.2, he/she is allowed to repeat and clear the course (s) or substitute (s) (wherever permissible) before the degree is awarded to him/her.

The CGPA is computed at the end of each semester including a summer semester that a student might have enrolled in.



Rules and regulations

GPA requirement for an award of BBA/BS/MS/MBA /MBA Executive Degrees:

If an undergraduate (BBA/B.S.) program student's CGPA in the final semester is less than 2.2 but not below 2.0, the student shall be required to repeat one semester of the lowest academic standing or certain courses in order to bring his/her CGPA up to 2.2 with the following conditions:

- The student who succeeds in improving the CGPA (minimum 2.2), will be eligible for award of the BBA/B.S. degree.
- The student, who fails to improve the CGPA, will not be eligible for an award of BBA/B.S. degree. Such a student shall be issued transcript of credits earned.
- The student of MBA/MBA Executive Program whose CGPA in the final semester is less than 2.2 but no below 2.0 shall also be required to repeat one semester of the lowest academic standing or certain courses in order to be eligible for the award of MBA degree. If the student improves the CGPA (minimum 2.2), degree shall be awarded (other conditions applicable), otherwise only a transcript of credits shall be issued. The time period to remove the deficiency and to bring CGPA to a minimum 2.2 is one year.

Improvement of grades:

Students are allowed to repeat course(s) for improvement of grades with the following conditions:

- The better of the two attempts would be treated as the final result towards CGPA calculation and there would be no averaging.
- A student who repeats course(s) would not be eligible for medal and Dean's list.
- This option will not be available to those students who have graduated or have been dropped out.

Summer semester:

Students doing an internship during the summer semester are not allowed to register for an advanced credit or additional course. However, such students are allowed to remove deficiency in one course during the summer semester.

Students not doing an internship, can clear up to two deficiencies, or enroll for two advanced courses in the summer semester. Students may withdraw from one course during the summer semester. Withdrawal should be sought within a week after the announcement of the mid-term examination result.

Internship evaluation:

The summer internships for full time students are closely monitored and evaluated. During the internship period, follow-up meetings are arranged between the interns and faculty members to discuss the intern's progress and concerns, if any. Feedback about the performance of the intern is obtained from his/her supervisor. At the end of the internship, the student submits an internship report and is also interviewed for feedback regarding his/ her experience.

Comprehensive examination:

Every graduating (MBA/MBA executive) student is required to pass a comprehensive examination on the completion of their course work. This 4 hour examination is held after every regular semester. MBA students admitted in fall 2010 and onwards are allowed a maximum of three attempts only to pass the comprehensive examination in 5 years from the completion of their course work. Students, who fail to pass comprehensive examination, are eligible only for the individual course certificates. A student is eligible for a transcript/degree only after passing the comprehensive examination. However, he/she may obtain a provisional certificate on completion of the course requirement.

Every Ph.D. scholar should pass Ph.D. comprehensive exam (maximum 2 attempts) after completion of coursework.

Enrollment:

Enrollment is a formal registration of students admitted to academic programs at the IBA. Students who have accepted the offer of admission for joining any academic program at the IBA are required to submit the enrollment form along with the following documents within 6 weeks starting from semester's commencement date:

- Photocopy of secondary school certificate/O levels certificate

- Attested photocopy of higher secondary school certificate /A level certificate
- Attested photocopy of bachelor degree (if applicable)
- Attested photocopy of master degree (if applicable)
- Attested photocopy of CNIC or birth certificate
- Attested photocopy of equivalence certificate in case of foreign certificates/degrees.
- Two recent passport size photographs duly attested by the concerned program office

Equivalency certificates are required in the following two cases:

- If the student holds a foreign degree then he/she must get an equivalency certificate from the HEC.
- If the student holds a GCE O levels/A levels or international baccalaureate certificate from a foreign country, then he/she must get an equivalency certificate from the IBCC.

Note: Documents must be attested by a gazetted officer of the government of Pakistan.

Cancellation of Enrollment:

The enrollment and admission of a student whose certificates /degrees are found to be fake would be cancelled. Such students may also be permanently debarred from the IBA.

Change of credentials (change of name) on IBA documents:

Academic documents issued by the IBA shall have the name in full form as mentioned in the matriculation certificate/O levels certificate or any other certificate from a board of examination that signifies the first education certificate/degree they hold.

However, if a student wants their name changed in the IBA documents then they must first get their credentials changed on their first educational documents. Alternatively, they may get a certificate from the IBCC.

For additional information and details visit:

- <http://examinations.iba.edu.pk/>

Time-bar rule:

Every student admitted to some program at the IBA has to complete the requirements of that program in the stipulated time called enrollment period to be eligible for award of diploma/degree for the program. The enrollment periods are given below for reference:

Program	Enrollment period
Undergraduate Programs BBA/BSCS/BSAF/BSEM/BSECO/BSSSLA	7 years
MBA Morning	5 years
MBA Evening/MBA Executive	7 years
All M.S. programs	5 years
PGD*	3.5 years

For course work, the period shall be counted from the date of admission.

For comprehensive examination, the period shall be counted from the date of completion of course work.

**In case a student opts to do PGD only, then 3.5 years' time limit will apply otherwise the student may continue and complete his/her MBA (evening) in total 7 years.*

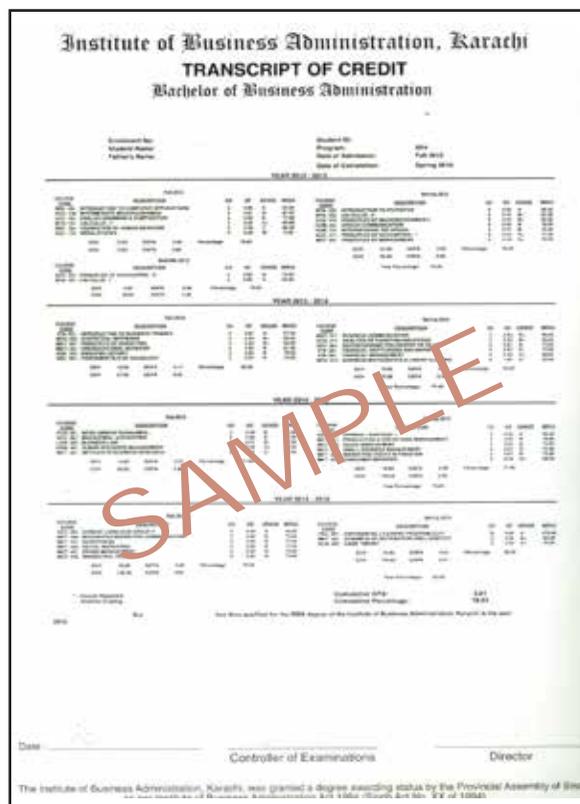


Transcript of credit/degree:

Students can get an official transcript of credit with their grades from the Institute within 30 working days. Urgently required transcripts can be obtained within 7 working days on payment of an additional Rs. 2,500/-. The issuance of transcripts is subject to clearance from Finance, CDC, hostel, library and laboratory (in case of CS students).

Transcript shall be issued only to the student in person or to a person (preferably blood relative) duly authorized by the student if the student is out of city.

Students may generate an unofficial electronic copy of the transcript on their own.



Degree:

Degree is issued within 15 working days from the date of application. An additional fees of Rs. 6000/- is applicable for duplicate/urgent degree. Degree shall be issued only to the student in person or to a person (preferably blood relative) duly authorized by the student if the student is out of city.

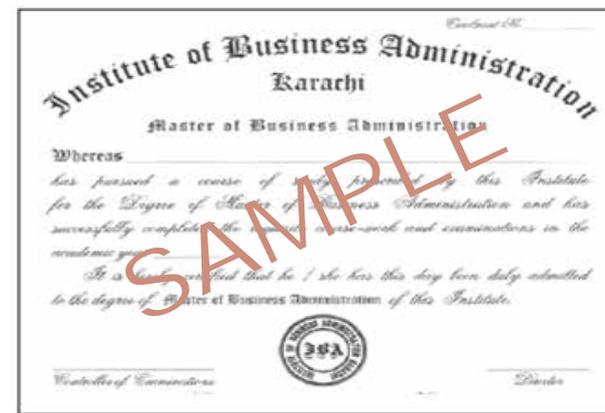
Degree fee:

For Ph.D. Programs: Rs 10,000/-

Duplicate transcript/degree:

In case a degree has been lost, duplicate transcript/degree can be applied for on prescribed application form along with:

- A formal application for issuance of duplicate transcript /degree.
- An affidavit on a stamp paper of Rs. 100/- duly attested by a first class magistrate.
- Original cutting from any newspaper announcing the loss of the transcript/degree.
- FIR of lost transcript/degree.
- Copy of transcript in case of duplicate degree
- Copy of CNIC



Fee structure fall - 2018

Morning programs

Particulars	BBA & MBA	B.S. (Accounting & Finance)	B.S. (Computer Science, Economics & Mathematics, Economics, Social Sciences & Liberal Arts)	M.S. (Economics, Mathematics, Computer Sciences, Journalism, Management)
Tuition fees	204,000	204,000	170,000	100,000
Student activity charges	4,500	4,500	4,500	4,500
Lab cum library charges	4,500	4,500	4,500	4,500
Examination charges	1,500	1,500	1,500	1,500
Development charges	2,000	2,000	2,000	2,000
Total recurring charges	216,500	216,500	182,500	112,500
	Additional course fee Rs. 34,000/-	Additional course fee - Rs. 34,000/-	Additional course fee - Rs. 34,000	Additional course fee - Rs. 25,000

Evening programs

Particulars	M.S. (Economics, CS, IT & Mathematics, Islamic Finance) MBA (evening)	
	Tuition fees	Total fee (PKR)
One course	Rs: 34,000	Rs: 42,000
Two courses	Rs: 68,000	Rs: 76,000
Three courses	Rs: 102,000	Rs: 110,000
Four courses	Rs: 136,000	Rs: 144,000
Lab cum lib. charges	Rs: 4,500	
Examination charges	Rs: 1,500	
Development charges	Rs: 2,000	

One-time charges (At the time of admission)	
Admission charges	Rs. 25,000/-
Transcript fee	Rs. 2,500/-
Total one-time charges	Rs. 27,500
Orientation fee (MBA only)	Rs. 30,000/-
MBA Executive	
Tuition fee	Pak rupee
Per course charge	Rs 35,000 /-
For those students who wish to use the transport/hostel facilities, relevant charges are as under:	
Transport fee (per semester)	Rs. 30,000/-
hostel fee (per semester)	Rs. 55,000/-

5% Advance Tax will be charged to students having annual fee above Rs. 200,000/- according to section 236I of Income Tax ordinance 2001.

Mode of payment

- Fee can be deposited at all branches of Faysal Bank Limited in Karachi.

Notes

- IBA reserves the right to revise the fee without prior notice.
- Degree fee will not be charged to students joining from fall 2017 and onwards (except for programs where admission fees is not applicable).
- All regular (morning) students shall be liable to pay fixed fee for the semester, maximum cut off for fixed fee is 4 courses or more.
- For any further information you may contact Syed Jehanzeb (finance department) at 021-111 422 422 Ext. 2320

Financial assistance program

Financial assistance program:

Financial assistance is available for students whose resources are determined to be insufficient to pay for the tuition and other expenses. Four types of assistance is available: scholarship grants, loans, work-study schemes, and installment plans for payment of tuition. A financial assistance committee determines the level and composition of financial assistance to be provided to eligible students based on family income and wealth considerations. Students who believe that they may qualify for financial assistance are encouraged to apply via the prescribed form posted on the institute's website. Applications can be submitted at the beginning of academic year and reviewed by the designated committee. During the academic year 2017-18, as many as 995 students (approximately 32.8% percent of full time regular student body) received financial assistance amounting to Rs.248.2 million in the form of need based scholarships, talent hunt program and work-study schemes.

The types of financial assistance offered to eligible students are described briefly below. For details, interested students are encouraged to approach the financial aid office.

Scholarship grants: eligible students may be offered scholarship grants to offset all or part of tuition fee.

Loans: Qarz-e-Hasna (or interest free) loans are available through certain organizations. The institute facilitates processing of applications from students applying for a loan. The decision to approve or reject the application rests with the lending organization.

Work-study schemes: Eligible students may be offered part time work as teaching assistants, research assistants, or interns.

Installment plans: Eligible students may be offered the option of paying a full semester's tuition fee in three installments spread across the same semester.

Resources for the financial assistance program at the Institute come from many sources. A major source is scholarship grants made by organizations, companies, government bodies and individuals. Another source of support is Qarz-e-Hasna arrangements for which the Institute acts as a conduit. A third source is general endowment funds placed by organizations, companies and individuals with the Institute. The investment proceeds of some such funds are used to provide financial assistance for students.

Additional information:

Eligibility for financial assistance: Additional information is available at

http://liba.edu.pk/financial_assistance.php

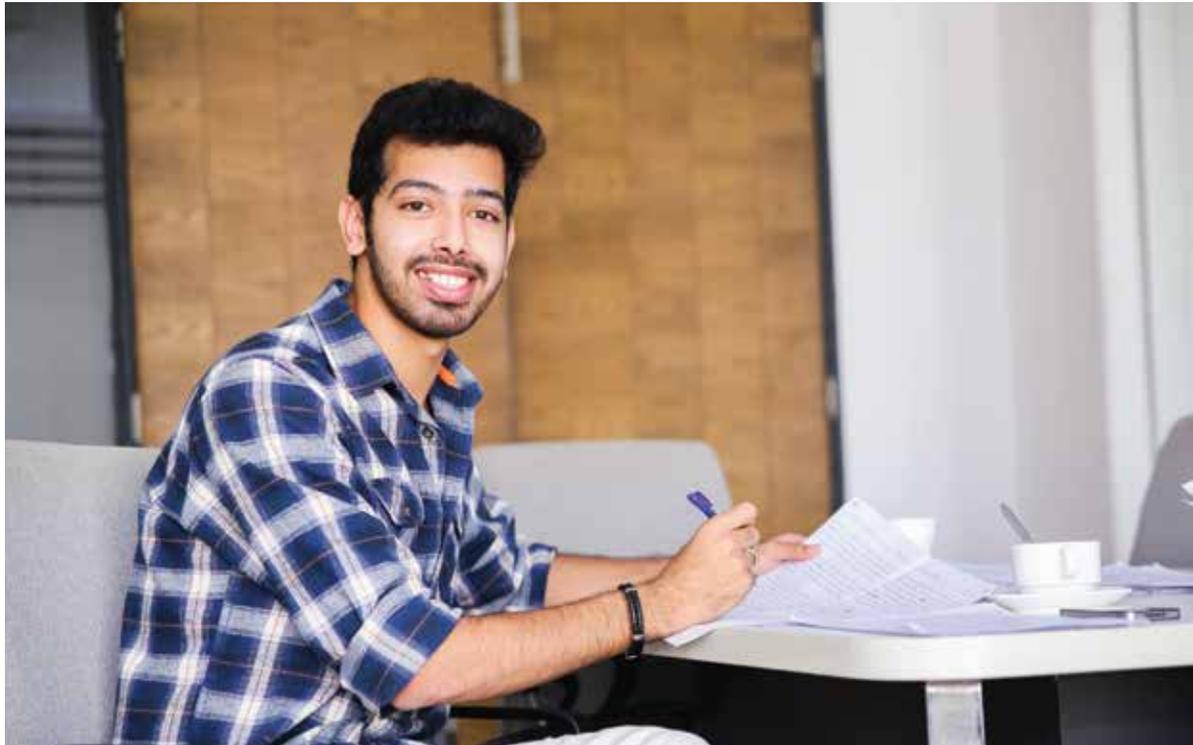
Loans: Additional information is available at

http://liba.edu.pk/Ihsan_Trust_Financial_Assistance_Program.php

Work-study schemes: Consult SOPs listed under "rules for student recruitment-internship, part-time employment and teaching/research assistants" available with the career development centre.

Installment plans: consult revenue section at IBA extensions 2319, 2320 and 2321.

Corporate sponsorships: consult the career development centre.



Facilities and infrastructure

IBA has two campuses spread over 72 acres of land. Both campuses have undergone major revamp since 2008. Owing to the developmental strategy, introduction of new programs and hiring of qualified faculty, have taken place.

The development of new facilities and infrastructure at both the campuses included construction of 10 new state-of-the-art multi storied buildings comprising academic blocks, one specially designed building for the centre for entrepreneurship development, student centre complex with indoor sports, an auditorium, technology building housing a disaster recovery for ICT, Martin Dow clinic, a 14 storied multipurpose tower and three hostel buildings. In addition five ancillary support buildings have been constructed including central power building, sewerage treatment plant, stores etc.. Eleven existing buildings were remodeled, expanded and refurbished as part of the development strategy. Projects of one building for transport facilities and boundary wall are under construction and are expected to be ready by end of 2018. As a result of this revamping of facilities & infrastructure, IBA has 47 functioning buildings in 2017 compared to 29 in 2000. The covered area under instructional, administrative and amenities space has correspondingly increased from almost 230,000 sq.Ft to 696,000 sq. Ft. In march 2016 the institute also acquired a 10 acre plot in the DHA city Karachi (DCK) situated about 35 km from Karachi on the main superhighway. Work on master planning for future development on this land has been initiated.

The main campus located within the boundaries of University of Karachi, houses around forty classrooms, eight seminar rooms, five computer labs, fourteen break out rooms. These are located in the three academic buildings, namely the Adamjee Academic Centre, Abdul Razzak Tabba building, and the Aman Centre for Entrepreneurial Development. All instructional spaces are centrally air-conditioned and fully

equipped with the latest audio-visual and video conferencing facilities to boost the overall learning endeavor. These academic facilities are augmented by the Gani & Tayub auditorium with a capacity of three hundred persons, a brand new library, a video conferencing lab and a faculty lounge. Additionally, the main campus is the venue of a sprawling student centre, complete with gymnasiums for both male and female students, a large cafeteria, an event hall, indoor courts, outdoor sports field for cricket and football, tennis courts, a volley ball court, a basketball court, a jogging track, and a 450-capacity amphitheatre.

The city campus is in the heart of the business district of Karachi. It consists of the chinoy administration building, the faysal bank academic block, the Habib Bank Academic Building, and the centre for executive education, which together field excellent premises for various programs. Existing facilities include twenty eight classrooms and eight computer/ICT laboratories. The city campus is also home of the the Centre for Executive Education (CEE), the Centre for Excellence in Journalism (CEJ), the Centre for Business &

Finance Research (CBFR) and the Centre for Excellence in Islamic Finance (CEIF) which are fully functional and situated in the 14 storied building complex known as Aman Tower. To meet the growing need of faculty, researchers, students and various functional departments for information and communication technology systems, a data centre has been constructed meeting tier III specifications, which is fully functional and is situated in the city campus.

IBA provides residential facilities for full-time IBA students. The boys' hostel comprises two blocks, spread over an area of about two acres, that provide accommodation for about 240 students in single room dormitories and double rooms. Two new blocks for boys' hostel, are under construction and are expected to be ready by the end of 2018. 96 beds Hostel is located in the IBA staff town area for female students. The facilities include dining, indoor & outdoor games, TV lounges equipped with a large LCD screen, satellite decoder, car parking and high speed internet service. The construction of new hostel buildings for both male and female students has greatly improved the living conditions for the hostel residents.



ICT infrastructure & services:

The information and communication technology department provides ICT services to the main and city campuses, hostels and staff town, serving a total of around four thousand users on and off campus and a sizeable number of alumni. The principal aim of the ICT department is to bring state-of-the-art technology at IBA, provide essential services and promote automation and meet the end user's requirements of all communication that includes internet, email, distance learning (video conferencing), unified communications (VoIP) etc. Appended below is a brief description of the ICT facilities at IBA:

- Tier III compliance data centre that provides centrally managed services to users.
- Video Conferencing service being utilized at its best for meetings, online workshops/seminars, distance/collaborative learning etc.
- Nine general purpose computing labs are fully functional at both campuses, with state of the art PCs and peripherals, five labs have been upgraded with Core i5 and Core i7 based computers.
- 471 Mbps of internet connectivity for wired & wireless users.
- Enterprise Resource Planning (ERP) integrated computer-based system used to manage internal and external resources including tangible assets, financial resources, materials, and human resources.
- Academic alliances with major technology vendors, e.g. Cisco, EMC, IBM etc along with certified cutting-edge technologies.

- Learning management system (LMS) providing all the learning, teaching and collaboration tools.
- Smart boards in selective classrooms to help in delivery of more interactive and understandable lectures and presentations.
- Use of PeopleSoft General Ledger Financial & HRMS, for supporting faculty, finance and human resource & general administrative matters.
- Faculty presentation system which provides for evaluation and hiring of new faculty.



The library:

Library supports teaching, learning and research at the institute by acquiring relevant resources and proactively designing new services pivotal to foster learning. The Library system consists of two libraries, one at each campus, and is regularly updated with latest learning materials that include books, e-books, case studies, electronic databases.

Library spaces:

Library facilities at both of the campuses provide stimulating learning environment. The physical library spaces and facilities have been designed keeping in view contemporary learning styles to cater the needs of 21st century learners. The featured learning spaces are:

- Collaborative learning spaces
- Individual study and learning spaces
- Multimedia learning spaces
- Research nooks
- Laptop friendly spaces
- Leisure study spaces and
- Coffee shop as extended collaborative learning space

Library services:

Library endeavors to offer wide-range of innovative academic services to its patrons supported by cutting edge technologies. The library services have been designed to augment life-long-learning. To know more about library offerings, please visit at <http://library.iba.edu.pk>

Library resources:

The library offers campus-wide and remote access to very rich collection of multi-disciplinary digital databases in full-text, comprising of ebooks, ejournals, case studies and industry related research analysis reports. The library subscribes to more than 24 electronic databases that provide access to around 10000 ejournals and 125000 ebooks. Library houses more than 70000 volumes in print, whereas 2500-3000 new titles, at average, are added every year.



Talent hunt program (THP)

Talent hunt program:

Talent hunt program was launched in 2004, which selects talented but financially challenged students of HSSC I & II belonging from less privileged areas across Pakistan and provides them two months' orientation training on scholarship during summer vacation to prepare and groom selected students for the comprehensive admission process of BBA and BS degree programs.

Students selected on merit & offered admissions at IBA are being provided up to 100 % scholarship/financial arrangements against tuition fees & other living expenses for the four-year degree programs.



From 2004 to 2017, 900 plus students have been facilitated so far during orientation training program out of which 222 students successfully enrolled in degree programs on fully funded scholarship for tuition fees and other living expenses at IBA. Out of 222 students, 83 are graduated. Those who failed to get into IBA, have obtained admissions to other higher education institutions, so the success rate of the orientation training program is close to 100%.

Talent hunt program-batch 2016 and 2017 have been great success whereby it provided two months' training to 379 talented & deserving students belong to 94 different districts across Pakistan.

Talent hunt program team performed outreach activities in 82 districts by conducting 231 sessions attended by 31899 students in the following regions

Outreach activities:

Region	No. of districts	No. of sessions
Azad Kashmir	7	17
Balochistan	21	47
FATA	4	6
Gilgit Baltistan	3	10
KPK	12	29
Punjab	24	96
Sindh	11	26

For additional information and details visit:

- <http://nthp.iba.edu.pk/>
- <https://www.facebook.com/IBA.NTHP>

Tahira Batool, Quetta

BS – Computer Science
THP – Batch 2017



To live in a city - in which the news of losing your loved one's in a bomb blast or target killing is such a common thing - can be a very challenging life. I am also a victim of such incident in which once my whole house was destroyed in a blast and the most tragic incident was the assassination of my father.

These incidents never kept me away from education because I found the only solution to improve the system is education.

The achievement of my goal did not fade away because of THP and IBA which gave me a golden chance to rise & shine.

Resources for the Talent Hunt Programs come from many sources. A major source is donations and scholarships provided by organizations, companies, government bodies and individuals



Professional development programs

Center for Information & Communication Technology (CICT):

CICT has been established in 2016, with the aim to utilize currently installed ICT infrastructure and offer those services to universities/organizations that are lacking behind. Following services has been offered in this regard:

- Data Centre Solution (Co location/cloud)
- ERP selection, implementation & post production
- Campus solution implementation
- Web streaming services
- Customized ICT trainings
- Online admission system
- Online testing system
- Implementation of human resource management system
- Migration/setup of exchange on Office 365

Moreover, A diploma in Business Analytics program “Business Intelligence (BI) and Big Data Visualization” has been started at the IBA Karachi with a diverse batch of participants from different banks including State Bank of Pakistan, National Bank of Pakistan, JS Bank, Bank Alfalah, Al Meezan Investment etc..

Sindh Research Incubation Centre, executed by IBA Karachi and funded by Information, Science & Technology department, Government of Sindh welcomed its first batch in seed capital distribution ceremony in which every startup was granted seed capital.

Centre for Entrepreneurship Development (CED):

AMAN Centre for Entrepreneurial Development is now recognized as one of the Pakistan’s leading entrepreneurial centre which was established in 2010 with funding received from the AMAN Foundation,

The AMAN CED started its footprints with a collaborative partnership with Babson College in Boston which is the top most entrepreneurship institute in USA but is now a breeding ground for new business startups all over Pakistan.

The Center hosts around 50 incubator and accelerator companies in its premises and provides a conducive environment for turning ideas into business opportunities. It aims to put Karachi on the entrepreneurial map of the world. The impact of the AMAN CED is no longer just limited to IBA students but it resonates with the larger entrepreneurial community all over Pakistan.

The AMAN CED has won recognition and accolades both nationally and internationally for its innovation, quality, comprehensiveness, sustainability, depth of support, and impact. The prestigious United States Association for Small Business and Entrepreneurship® (USASBE) named IBA Karachi’s women entrepreneurship program as the recipient of the 2017 outstanding specialty entrepreneurship program while competing against stalwarts like Babson College, South Methodist University etc.

Centre for Business and Economic Research (CBER):

The Centre for Business and Economic Research (CBER) is a think-tank within IBA which conducts interdisciplinary research for private firms and public organizations. It provides excellence in applied economic and business research to the government, development agencies, and central bank as well as to the businesses managers across Pakistan. Established in 2010, it is now growing in reputation as one of the leading centres for social science research on economics and business in Pakistan. The Centre's current areas of specialization include macroeconomic modeling, analysis of large and complex data sets on Pakistani firms and social sector, and consumer confidence surveys. The CBER is a multi-disciplinary centre. it’s holistic research draws expertise from various departments in

IBA ranging from Finance and Economics, Accounting and Law, Management, Marketing to Social Sciences & Liberal Arts. A parallel purpose of CBER is to stimulate research by faculty, students and staff at IBA. CBER has taken many initiatives since its inception including the establishment of a research grant, inauguration of the IBA working paper series, initiation of seminar sessions (regular dissertation presentations) collaborations with education and government Institutions and conferences. CBER aims to deliver opportunities for researchers to publish their work and later present it at the national and international conferences.

Ardeshir Cowasjee Centre for Writing (ACCW):

It is an academic facility catering to any writing related needs of IBA students as well as the rest of the IBA community.

The centre provides one-on-one consultancy to students on their writing projects. The scope of consultation ranges from idea generation to review of the final draft. Projects for consultation range from short essays to Ph.D. dissertations and scholarly papers for academic journals. The focus of each session is finalized after a brief needs analysis. During the session the aspects - earlier agreed upon - are discussed that can range from basic level structural issues to complex stylistics concerns.

Data on the sessions is compiled through an online software which allows the centre not only to keep a track of their own activities but also reflect on their pedagogical approach for further consultation sessions. The consultants at ACCW are senior students hired through a rigorous recruitment process that includes a writing test, mock consultation session and an interview. The selected consultants, then, undergo a multi-tiered training on writing consultation.

Besides working with students on their research projects, including essays, reports and theses, ACCW also schedules book clubs and writing workshops for faculty, students and staff alike.



Center for Excellence in Journalism (CEJ):

The Centre for Excellence in Journalism (CEJ) is an initiative for the professional development, training and networking of Pakistani journalists and media professionals. It was established in 2014 as a collaboration between IBA, the International Center for Journalists (ICFJ), the Medill School of Journalism at Northwestern University and the US State Department. Located on the 4th Floor of the IBA Aman Tower at IBA's City Campus, CEJ offers online and in-person training modules for journalists and media professionals. Faculty trained at the Medill School of Journalism, ICFJ trainers, and eminent local journalists conduct, skills-based courses geared towards meeting the needs of Pakistani newsrooms. The centre has close links with the media industry and its advisory board comprises of eminent media professionals. News directors assign their staff to attend development programs at CEJ; independent media professionals are also welcome to participate. The CEJ actively hosts talks and panel discussions that are free and open to the journalism community. In addition to instructional and office space, the CEJ area includes a broadcast studio, a state-of-the-art multimedia lab, fully equipped editing suites and production

control room (PCR). The lab offers journalists a chance to learn practical skills in a simulated newsroom environment where they have access to the latest technologies and resources. To facilitate access to CEJ trainings and courses of participants from outside of Karachi, a limited number of scholarships are also available for travel and lodging. Since 2014, the centre has trained more than 700 journalist in a variety of subjects for print, broadcast and digital media. Some of these were on TV documentary production, news reporting for TV & print, data journalism, feature writing, editing for print and investigative journalism. More information about the centre and its programs can be found at www.cej.iba.edu.pk, Facebook CEJ at IBA, Twitter @CEJatIBA, or email at cej@iba.edu.pk

Centre for Excellence in Islamic Finance (CEIF):

The Centre for Excellence in Islamic Finance has been established at IBA with the objective of providing a platform for discovery, enhancement and dissemination of knowledge in the field of Islamic Finance. It aims to be a world class centre which, through education and research, carries on IBA's legacy of thought leadership in the Islamic finance industry.

CEIF, based at the IBA's city campus, conducts executive learning programs, practitioners' qualification series, discussion forums, conferences, seminars, and distinguished leadership dialogues for discussions between various stakeholders including academicians, Shariah scholars, professionals, regulators and policy makers to provide the industry with trained human resource and take the discipline forward. CEIF regularly conducts open and closed door forums of industry practitioners with international speakers from Malaysia, Bahrain, United States, United Kingdom and many others. Recently, CEIF organized a conversation on "Fintech and its implications for the Islamic finance industry" to highlight the local and international developments in this field.



Furthermore, CEIF has entered into collaborations with multiple global and local partners including Islamic University of Maldives, SECP, Sindh judicial academy, accounting and auditing organisation for IFIs (AAOIFI) to cooperate in enhancing the objective of research, training and development in the field of Islamic finance. Over a span of two and a half years the centre has been able to train over 1500 industry practitioners, scholars, entrepreneurs and regulators.

CEIF's flagship conference world Islamic finance forum (WIFF) is a biennial affair. In 2018, WIFF theme was "expanding the footprint of Islamic Finance: Innovation, Fintech and Regulation" which showcased representation from over 13 countries with renowned local and international speakers.

CEIF, in terms of research, has conducted various researches locally as well as globally including a report on "diversification of Islamic finance instruments" with COMCEC Turkey and a casebook on contemporary Islamic finance topics. The M.S. in islamic banking and finance program launched by CEIF last year is a highly successful academic program at IBA. CEIF is facilitating MS IBF student and faculty exchange with INCEIF, Malaysia. CEIF maintains an active presence on all social media platforms and is continuously enhancing its knowledge with many educational videos on Youtube channel as well.

Centre for Executive Education (CEE):

The Center for Executive Education was inceptioned in 2004 holding the notion to provide opportunities to executives working at different echelons in organizations to enhance their careers by gaining knowledge and insight into top-of-the-line management techniques as well as technologies. Executive education programs consist of various training courses and workshops that are organized and conducted by distinguished IBA faculty members as well as leading industry professionals. Besides open enrollment programs, the center also offers client-specific training to organizations. Organizations that have benefited from the executive education program include private firms, small business corporations, multinational and transnational corporations, government departments, defence and public sector organizations.

The programs at CEE are designed for professionals from board to C-Level & high-potential managers to senior & junior executives from across the country. Intensive one-day to several day courses focused on a particular area of interest. It's portfolio of non-degree, executive education and management development programs provide business professionals with a targeted and flexible means to advance their career development goals and position their organizations for future growth.



The Centre specializes in executive education and management development activities through:

Directors' training program:

The Directors' training program is approved by the securities & exchange commission of Pakistan (SECP) and supplemented by institute of directors UK. This program is extensively prepared by subject matter experts and is designed to keep Board Members and Directors of listed companies abreast of leading trends and practices that promote good governance, protect competitive advantages and prepare for regulatory change.

Global executive education programs for top leaders:

With an aim to offer global executive programs in Pakistan with local relevance, CEE offers programs for CxOs and Business unit heads in Pakistan. The faculty for these programs are drawn from some of the top B-Schools. The CEE offers leadership, innovation & strategy program for the CxOs and business unit heads.

Client-specific management & leadership development programs:

CEE hosts management & leadership development programs on emerging topics for both public & private sector institutes. These include but not limited to Pakistan Petroleum Limited, Century Papers and Board Mills, Martin Dow Limited, Pakistan refinery limited, Higher Education Commission of Pakistan, Engro Fertilizers, Unilever Pakistan, Aga Khan University Hospital, Hilton Pharmaceuticals, National Institute of Banking & Finance.

Open enrolment programs:

The center also offers open enrolment programs. These workshops bring together individuals and teams from multiple organizations in one location to learn latest business trends and applications. These workshops are announced through training calendar on different emerging themes including but

not limited to:

- 1 Governance
- 2 Leadership
- 3 Innovation, Strategy & Change Management
- 4 Project Management
- 5 Supply Chain Management
- 6 Human Resource Management
- 7 Finance, Accounting & Law
- 8 Sales & Marketing
- 9 Healthcare Management
- 10 Family Business Management
- 11 Information Technology
- 12 Business Communication

Managing Family Business:

Since 2012, the Center for Executive Education hosted more than 130 workshops in various cities of Pakistan. These workshops and seminars were conducted by Prof. Parimal Merchant, global director family managed business, S.P. Jain School of Global Management.

CEE hosted programs for leading communities and associations including but not limited to Bohra & Khoja Community, Delhi Saudagran Youth Forum, Gujranwala Business Council, JIBA, Karachi Chapter, Lahore Chamber of Commerce & Industry, Pakistan Gems & Jewellery Development Company (PGJDC), Entrepreneurs Organization (EO) Pakistan, small and medium enterprise development authority (SMEDA) and Pakistan Association of Automotive Parts.

The programs are offered at two different levels:

1. Series of 10 workshops spread over 1 year for the family business owners and families
2. Four-month weekend diploma in family managed business for the next generation.

Healthcare Management programs:

There are statistics available to prove that healthcare status and its delivery in Pakistan, is a century behind that of the industrial world. In 2015, CEE IBA started offering programs for healthcare sector. The vision is to bring about betterment to the situation by capacity building within the healthcare management. It launched a post-graduate diploma (PGD) program in Healthcare Management (focused on hospital management). The decision to launch this program was in view of the expansion of local hospitals, with new ones being built and existing ones with untrained professionals.

Post-graduate diploma programs:

In January 2015, CEE-IBA added post-graduate diploma programs to its port-folio. Designed to develop in highly skilled practitioners an in-depth understanding of strategic, tactical and operational issues; each PGD is spread over a span of one year, with twelve courses, a live project and practicum. These programs will help bridge the competency gap in Pakistan and help enhance the professionalism of those involved in the industry. The customized post graduate diploma in Business Management is offered to the middle to senior professionals from the companies of the Atlas Group. The first batch completed in 2010 and sixth batch starting in 2018. The following five PGDs are offered:

1. Supply Chain Management
2. Human Resource Management
3. Project Management
4. Healthcare Management (focused to hospital management)
5. Business Administration (client-specific)

Diploma programs:

In 2017, the Center for Executive Education introduced four-month specialized diploma programs in different areas of specialized skills in different management functions. The objective of these programs is to prepare competent managers

who are able to manage functions in different emerging areas of management. The four specialized diplomas offered are as under:

- Diploma in Accounting, Finance & Law
- Diploma in Family Managed Business
- Diploma in Strategic Marketing
- Diploma in Capital Markets [in collaboration with Institute of financial markets of Pakistan (IFMP)]

Skills development program (SDP):

Skills development program (previously called as Business English & Skills Development Program) at the Center for Executive Education has been providing language and academic proficiency courses for more than two decade.

The Business English program commenced in the year 1998 and has proved to be a sought after program by professionals. In 2013, the department with its new name enhanced its offering and conducted several new courses. These programs are skills based and targeted towards executives, professionals, business owners, academicians and students working in various work spheres. The SDP also hosts the Summer School and the Certificate in EMI Skills with University of Cambridge.

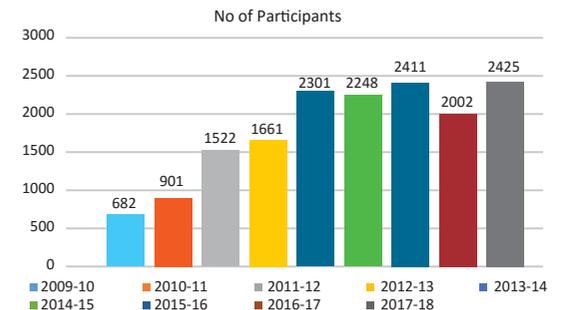
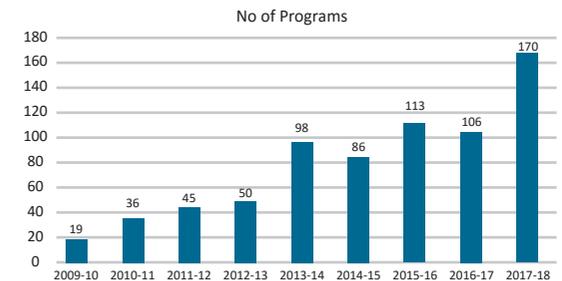
Certificate in EMI Skills (English as a medium of instruction):

Skill Development Program (SDP) of the Center for Executive Education (CEE) has entered into an agreement with the Cambridge English Language Assessment to provide Cambridge English "Certificate in EMI Skills (English as a medium of instruction)" course. It is the approved Cambridge English Teacher Development (CETD) Course.

The Certificate in EMI Skills is for university professors, lecturers, tutors and researchers whose first language is not English, but who use English to teach students, present academic papers and interact with colleagues.

Summer school:

The IBA summer school program has been conceived with inspirations drawn from summer schools at Harvard, Stanford, Cambridge, UCLA, LSE, King's college, and Monash. Currently, IBA has been offering Business and Computer Science courses every summer to individuals including existing students, both undergraduates and graduates.



For details please visit CEE website:
<http://cee.iba.edu.pk/>

Career Development Centre (CDC)

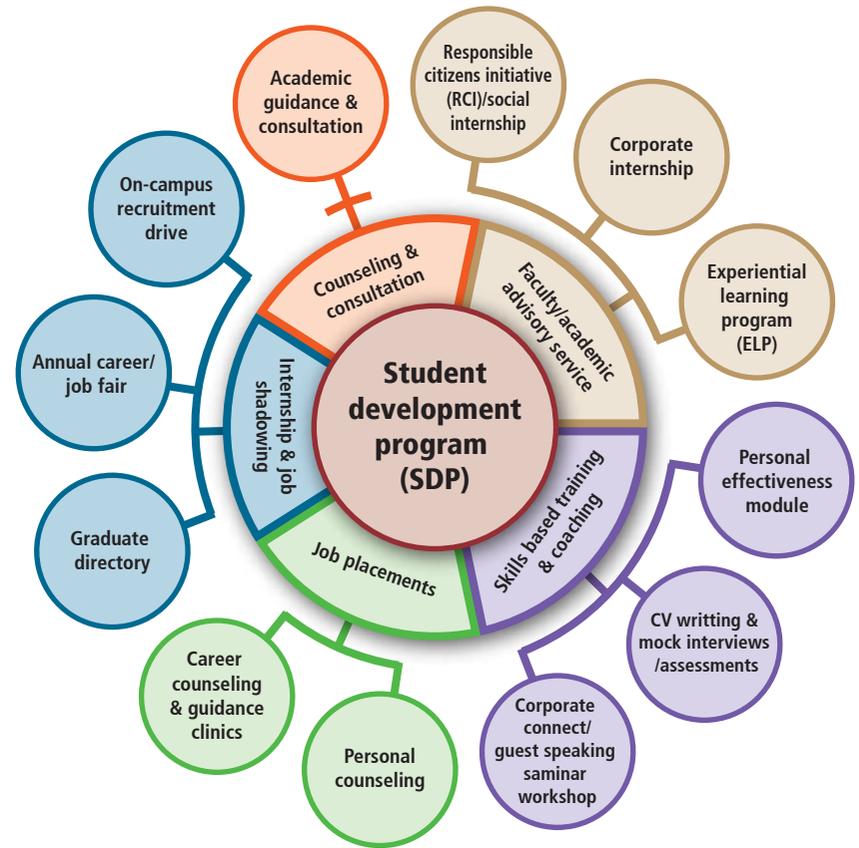
The Career Development Centre (CDC) at IBA is dedicated to facilitating the students and alumni in career development and job search thereby increasing the employability of the IBA students.

CDC strives to achieve its mandate by organizing workshops on different career themes and career specific seminars. It conducts career planning sessions, arranges individual career counseling sessions, reviews resume and the cover letter, conducts mock interviews and publishes graduate directories. Moreover, the CDC assists students in identifying internships, apprenticeships, and job opportunities available within and outside Pakistan. The CDC also offer a wide range of career-related events for IBA students and alumni, and have partnered with employers from all sectors for recruitment purposes. The main focus lies in building long term relationship with corporate, social and public sector organizations. Services include but not limited to the following:

- Moderating career counseling including professional coaching
- Initiate and execute personal grooming/student development programs
- Facilitate corporate and social internship
- Supervise and coordinate experiential learning program (ELP)
- Organizing recruitment drives
- Conducting and organizing career programs (job/career fairs and corporate events)
- Conducting mock assessments
- Alumni profiling

Student development program:

Students Development Program (SDP) is a comprehensive skill enhancement process for management and leadership development. The objective is to help students understand how to make choices about their attitudes and actions. Both management development and leadership development require the basic skill sets taught in the student development program.



Responsible citizen initiative (RCI) Program:

To strengthen the outreach to the community, a 6 to 8 weeks mandatory internship aimed at raising the level of awareness of the IBA students to the problems and challenges faced by the social sector in Pakistan is put in place. These internships are offered to our undergraduate students specifically in the non-profit and non-governmental sector. Through this initiative, the students interact with the underprivileged segment of society which help them develop awareness about the larger, diverse environment impacting the economy and businesses. This experience will enable them to become more effective leaders with greater empathy for the less fortunate in society.

**The experiential learning program (ELP):**

The ELP was introduced in January 2015 as an integral part of the BBA program which provides students with an opportunity to acquire knowledge of industry and to introduce them to prospective organizations; thereby, increasing their chances of employability in companies. The program is spread over a period of four months. A group of 4-5 final semester students undertake an assignment in real life business environment and provide solutions related to managerial and organizational problems. During the program, students conduct primary and field research, analyze individual issues that warrant investigation, and find cost effective implementable solutions for partner organizations. Companies could engage one or more student/groups in a relevant project with their organization in several areas which include, but are not restricted to:

- Management control systems
- Human resource restructuring strategic analysis & management
- Marketing strategy
- Supply chain management
- Resource mobilization strategies
- Financial management
- Process re-engineering and change management
- New ventures/feasibility studies

Note: ELP is a project, equivalent to 2 courses of 6 credit hours, that will also be incorporated in CGPA.

**The foreign languages program:**

The foreign languages program was launched in 2008 with the mission of advancing the global competencies of IBA graduates. The main aim of the program is to provide students with sufficient language proficiency to be able to perform rudimentary functions in a foreign language. For the SSLA students, however, the program provides a valuable complement to their Social Sciences portfolio and adds to their intellectual profile. The program currently includes three language choices: Mandarin Chinese, French, and Arabic. IBA has signed MoUs with the Confucius Institute, Alliance Française de Karachi, and Society for the promotion of Arabic respectively to offer these languages. There are four courses (Level I to IV) offered for each language, targeting beginner to advanced levels of proficiency. The BBA program requires students to pass Level I and II courses of their selected language for the completion of their degree, while the BS SSLA students are required to successfully complete level III and IV as well. Moreover, BSEM, BSCS, and BSAF students can also take Level I and Level II courses as Social Sciences electives.



Extra and co-curricular activities - review

S.No.	Society/club	Patron	Events conducted in 2017-2018
1	Adventure club	Mr. Ameer Rizvi	<ul style="list-style-type: none"> • Karachi to Khunjerab trip • Kund Malir trip • Kashmir Swat trip • ICAMP 2018 launch
2	Alumni and placement society	Mr. Jami Moiz	<ul style="list-style-type: none"> • Graduation dinner • Alumni reunion - class of 1997 • IBA career fair 2018 4. IBA corporate engagement - Dubai
3	Arts society	Dr. Syed Noman ul Haq	<ul style="list-style-type: none"> • Enigma VII • Cultural night
4	Boys hostel society	Mr. Jami Moiz	<ul style="list-style-type: none"> • Welcome - IBA boys' hostel • Basant & Diwali celebrations • Annual alumni dinner/farewell
5	Boys sports society	Mr. Asad Ilyas	<ul style="list-style-type: none"> • Cricket tournament • Football tournament • Cricket tournament • Football tournament
6	Community welfare society	Dr. Najam Anjum Akber	<ul style="list-style-type: none"> • Hosted HEC cricket tournament (finals) • IBA sports olympiad • IBA alumni matches • Sports trip to Lahore
7	Computer Science society	Dr. Imran Rauf	<ul style="list-style-type: none"> • Meet & greet (CS welcome) • CodeFest'17 (Intra IBA competition) • Probattle'18 • WordCamp Karachi
8	Dramatics society	-	<ul style="list-style-type: none"> • Fringe 2017 • Participate in LUMS dramafest 2017
9	Economics club	Ms. Tahira Marium Jaffery	<ul style="list-style-type: none"> • IBA eat festival • Autonomics • IStockX • IBAX • CFA mock exams
10	Entrepreneurship society	Dr. Shahid Qureshi	<ul style="list-style-type: none"> • INVENT '18 • IESS 2017
11	Finance club	Dr. Sana Tauseef	<ul style="list-style-type: none"> • Finance club launch including seminar by Investors lounge on the future of Fintech • CFA Program awareness session by Mr. Thomas (Director, CFA program USA). • IBA Battle of consultants consulting workshops by Ms Hena Sadiq (partner at Deloitte) and Mr Rana Nadeem (partner at KPMG). Global CESIM simulation training and workshops by Ms Julia Cratz (Germany) and Mr. Afraz Gilani (Germany)
12	Girls hostel society	Mr. Jami Moiz	<ul style="list-style-type: none"> • Hostel welcome dinner/farewell • Tree plantation ceremony
13	Girls sports society	Ms. Palvashay Sethi	<ul style="list-style-type: none"> • IBA sport olympiad

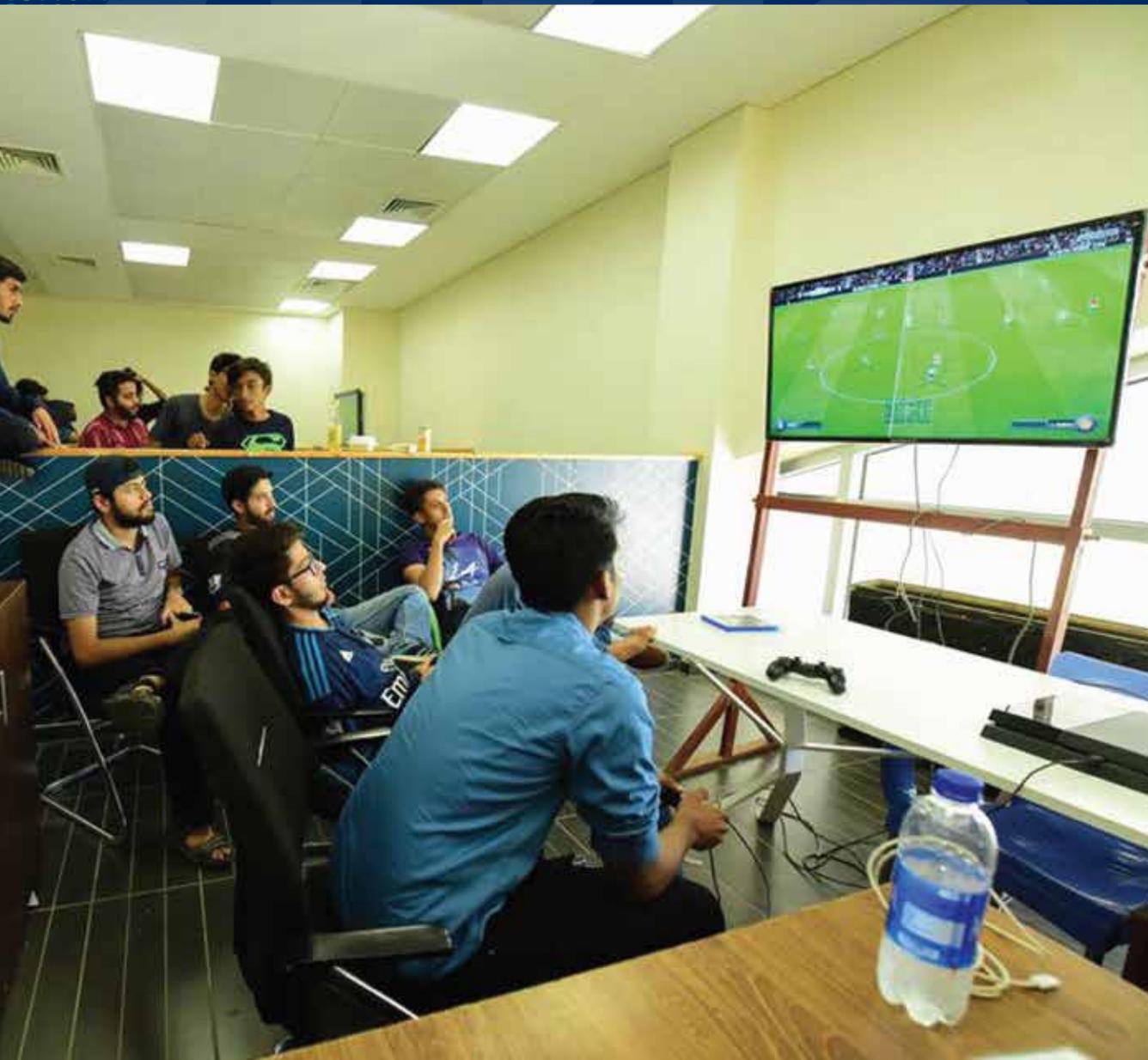


S.No	Society/ Club	Patron	Events conducted in 2017-2018
14	Go green society	Mr. Mohsin Ali Patel	<ul style="list-style-type: none"> • Earth day celebrations • Plantation project in collaboration with Hoga Saaf Pakistan
15	Human resource club	Ms. Nyla Aleem Ansari	<ul style="list-style-type: none"> • HR insight
16	Iqra society	Dr. Imran Khan	<ul style="list-style-type: none"> • Annual Islamic conference 2018 • Tree plantation activity • DLS session of Abu Abdissalam • Quranic Arabic workshop
17	Leadership club	Dr. Nasir Afghani	<ul style="list-style-type: none"> • IBLC
18	Literary society	Dr. Naveen Minai	<ul style="list-style-type: none"> • Open mic night, • Winter open mic, • Poetry slam IBA, • Movie night.
19	Marketing club	Mr. Jami Moiz	<ul style="list-style-type: none"> • IMC launch, IBAC, Battle of brains, seminar on counterfeit products in collaboration with Eco-club, RB Pakistan and competition commission of Pakistan and Adwar (tentative)
20	Mathematics & astronomy club	Dr. Danish Ali	<ul style="list-style-type: none"> • IMAC launch 2017 • Video conference session on society of actuaries, USA, by Stuart Klugman • Casio training workshop 2017 • Seminar on "Calabi-Yau Manifolds" by Dr. John David • Two-day workshop on "Computer Algebra System" • Three-day mega event "Mathematika III" • Seminar on "Knots, Links and Braids" by Prof. Dr. Barbu Berceanu • Star gazing trip to cave city, Baluchistan with KAS • Wednesday colloquia (every Wednesday till the end of the semester, since 13th March) • Star gazing trip to Ranifort • Seminar on "women mathematicians" by Dr. Ahmad Raza • π-day celebration • 3-4 more seminars related to Maths and Astronomy
21	MBA club	Dr. Nasir Afghani	<ul style="list-style-type: none"> • MBA beach bash 2017 • DLS session "the grand dialogue" • DLS session "trend of digital banking" • MBA farewell
22	Media and communications society	-	<ul style="list-style-type: none"> • IBA lip dub 2018
23	Music society	Mr. Ejaz Mian	<ul style="list-style-type: none"> • IBA music olympiad • Musical beach • Qawali night
24	Photography society	Mr. Ameer Rizvi	<ul style="list-style-type: none"> • Exhibition of photography society
25	Public speaking society	Ms. Nadia Sayeed	<ul style="list-style-type: none"> • MUNIK IX
26	Social Sciences club	Dr. Faiza Mushtaq	<ul style="list-style-type: none"> • IBA Conference on Social Sciences and Humanities (ICSSH 2018) • Faculty research presentation series • Chaikhana dialogues • Postivism: Activism Meets Design • BeatBaazi
27	IBA student council	Nida Aslam Khan	<ul style="list-style-type: none"> • Annual seminar on Imam Hussain Ibne Ali • ISC welcome party 2017 • PSL final match screening • ISC beach bash 2018 • IBA graduation week • ISC farewell party 2018



Activities galore (fall 2017 & spring 2018)







Highlights for the year 2017-2018

2017

A music concert by the American bluegrass band, Henhouse Prowlers:

April 13, 2017: The IBA Karachi, in collaboration with the US Consulate General in Karachi, organized a music concert by the American bluegrass band, Henhouse Prowlers. The Henhouse Prowlers has gained a reputation for its highly original, tradition-inspired bluegrass built on a strong foundation of intricate harmonies and electrifying stage energy. The Henhouse Prowlers paid tribute to Junaid Jamshaid by singing "dil dil Pakistan" which was a real treat for the audience.



Strategic partnership MoU signed between Bank Alfalah Limited and IBA, Karachi:

April 13, 2017: Bank Alfalah Limited and the IBA, Karachi signed a strategic partnership MoU. Bank Alfalah is set to impart experiential learning opportunities to IBA students and to hold joint seminars, workshops & learning programs and faculty exchange. Special attention will also be given to bridging the gap between industry and academia.



Mr. Atif Aslam Bajwa, President and CEO of Bank Alfalah Limited, was present at the event along with senior executives of the bank. The IBA and Bank Alfalah are mutually keen to strive together to overcome the numerous challenges that the Pakistani nation faces today.

A training on ERT concepts, rescue & survival and fire emergency:

April 27, 2017: A basic training session on Emergency Response Team (ERT) concepts, rescue & survival and fire emergency was held at the IBA city campus. Mr. Tehseen Ahmed Siddiqui from the city fire brigade department, graced the session as the chief guest. The basic aim was to train the participants to react quickly in resolving crises, preventing fire and saving lives.

Mr. Tehseen imparted training on how to combat fire in the shortest possible time frame effectively. He was quite impressed by IBA's interest in these measures and promised his sincere help in case of any services required from the fire department.

ERT concepts, rescue & survival techniques will remain IBA's top priority in order to create safe working environment. The basic aim of these trainings is to train the participants to react quickly in terms of resolving crises, preventing fires and saving lives. Building managers at the IBA are now well trained and can be approached, in case of a fire emergency.



The annual staff picnic:

April 30, 2017: The annual staff picnic was celebrated at the Turtle Beach. Approximately 200 staff members eagerly attended and enjoyed the picnic which made this staff union a grand success.



Alumni reunion at Pearl Continental Lahore:

May 13, 2017: The IBA, Karachi organized an alumni reunion in Lahore at Shahi Khema Banquet Hall, Pearl Continental Hotel Lahore. The reunion was held in collaboration with the IBA marketing club and alumni department.

The welcome address was delivered by Mr. Shahid Shafiq, alumni representative on the board of governors IBA, in which he pointed out to the importance of establishing close and working relationships between the IBA and its alumni, and vice versa, so that it continues to remain one of the best business administration schools in the world.



Hoisting the flag of sovereignty - ceremony held at IBA main campus:

August 14, 2017: The IBA Karachi exhibited its patriotism on the independence day through demonstrations of activities in the best possible manner. A large number of IBA faculty, students, staff, international students and alumni gathered for the occasion at IBA main campus. All the attendees stood together in solidarity, listening to patriotic songs as the flag hoisting ceremony was carried out in front of the Fauji Foundation Building. The national anthem was sung with utmost zeal and devotion which was followed by a tree plantation activity.



Orientation sessions fall 2017:

August 21, 2017: The IBA warmly welcomed its freshmen from its undergraduate and postgraduate programs in an orientation ceremony. Welcoming the students to their 1st and IBA's 62nd year, the General Manager Administration, Mr. Aamer Shabbir (R) Wing Commander, briefed the new batch about the code of conduct, academic calendar, attendance & grading rules and affiliations. This was followed by a virtual tour of the IBA, and gave a detailed description of the 3190-strong student body specifically highlighting the impressive increase in female participation by 46%.



An interactive session on law & order by DG Rangers:

September 08, 2017: The IBA Karachi hosted an interactive lecture series with the DG Rangers on law and order situation. Dr. Huma Baqai, Associate Professor IBA, moderated the event which revolved around the role and efforts of Rangers in the country. Hon. Major General Mohammad Saeed, Director General Pakistan Rangers Sindh, compassionately addressed the students about the significance of Karachi and how they can be responsible citizens. Dr. Farrukh Iqbal, Executive Director IBA was also present at the occasion.



IBA celebrates its alumni reunion at Aiwan-e-Sadr Islamabad:

September 22, 2017: The IBA, Karachi held a prestigious IBA alumni reunion at the Aiwan-e-Sadr in Islamabad. The event was held in collaboration with the IBA alumni society and the IBA alumni chapter of Islamabad, under the chairmanship of Mr. Raza Chinoy, his excellency, Mr. Mamnoon Hussain, the President of the Islamic Republic of Pakistan, graced the event as the chief guest along with H.E. Mr. Muhammad Zubair, the Governor of Sindh and the Patron of the IBA.

The opening address was delivered by the Alumni Representative on the Board of Governors, Mr. Shahid Shafiq, followed by a speech by Executive Director IBA, Dr. Farrukh Iqbal. With approximately 300 esteemed guests in attendance, the event included the IBA's alumni and eminent personalities contributing extensively to the corporate world.



Cadet College Spinkai visits IBA Karachi:

The art infrastructure, Principal of Cadet College, Col Waseem, extended an invitation to the IBA faculty and admin staff to visit Cadet College Waziristan in order to motivate the students and their faculty. Mr. Aamer Shabbir, General Manager Administration IBA Karachi, expressed his sincere gratitude to Dr. Zeenat Ismail and her entire team for extending her whole-hearted support in making this visit a considerable success. He also thanked Ms. Ghulam Fatima and Dr. Sheba for providing an in-depth knowledge of IBA to the cadets.



Tree plantation drive at IBA main campus:

October 25, 2017: A tree plantation drive was carried out at the IBA to promote horticulture and create a sustainable campus with the joint efforts of the administrative team of IBA

and "go green society". Besides the tree plantation, organic garden concept was also introduced to promote a 'kitchen garden' and a healthy culture in reducing environmental pollution. IBA students, staff and faculty whole heartedly participated in the activity.



A training on ERT concepts, rescue & survival and fire emergency:

Nov 24, 2017: IBA conducted a professional training session on emergency response team (ERT) concepts, rescue & survival, first aid and fire emergency. The basic aim was to train the participants to react quickly in resolving crises, preventing fire, and saving others' lives.

Concepts of electric audit creation of SOPs and fire safety codes were discussed in detail. This was followed by a demonstration of using a first aid box. HSE advisors from KE, Business Recorder, BR Group, United Energy Pakistan, Atlas Honda and other members from prominent industries also took keen interest and appreciated IBA for the timely initiative.



2018

Distinguished lecture series – Ms. Tehmina Janjua:

January 6, 2018: A distinguished lecture on Pakistan's Foreign Policy Issues was delivered by the Foreign Secretary of Pakistan, Ms. Tehmina Janjua at the JS Auditorium, IBA. The event was attended by foreign delegates, prominent personalities from the corporate world, the IBA graduates, faculty and students.



IBA organizes a corporate engagement event in Dubai:

March 07, 2018: The IBA, Karachi in collaboration with Pakistan executive organization for promotion of leadership and entrepreneurship, organized their first ever corporate engagement event in Dubai. The minister for tolerance, UAE, His highness Sheikh Nahyan bin Mubarak Al Nahyan graced the occasion as the chief guest.

Former Prime Minister of Pakistan, Mr. Shaukat Aziz, His Excellency Governor Sindh Pakistan Muhammad Zubair, Executive Director IBA Karachi, Dr. Farrukh Iqbal, former Executive Director IBA Karachi, Dr. Ishrat Husain, alumni representative on the board of Governors, Mr. Shahid Shafiq, along with the IBA alumni, renowned recruiting firms and luminaries from all walks of life based in Pakistan and UAE attended the event.



Distinguished lecture series – Dr. Ishrat Hussain:

March 30, 2018: In his lecture on "governing the ungovernable", Former Executive Director Dr. Ishrat Husain, and Professor Emeritus, IBA Karachi, examined the reasons behind the volatile and inequitable growth of Pakistan during the last twenty-five years and how institutional reforms can bring about democratic governance as captured in his recently published book. The session was moderated by Executive Director Dr. Farrukh Iqbal, IBA Karachi and attended by luminaries from all walks of life, alumni, faculty and students of the IBA.



IBA honors its distinguished alumni:

April 24, 2018: The Institute of Business Administration, Karachi held its annual alumni reunion 2018 for all batches. The theme of this year's reunion was "celebrating excellence" where the IBA honored its venerated alumni whose achievements, both within and outside the country, helped strengthen the IBA's resolve towards being the top institution of higher education in Pakistan.

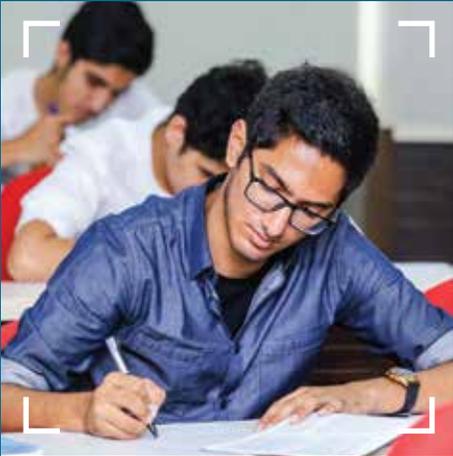
Distinguished lecture series – Dr. Noman ul Haq:

May 07, 2018: Dr. Noman ul Haq, Professor, department of Social Sciences and Liberal Arts IBA, delivered a distinguished lecture on 'Iqbal as history, Iqbal as commodity'. Eighty years after the death of Allama Iqbal, the lecture aimed at assessing the literary, philosophical, and political status of Dr. Allama Iqbal. Dr. Haq's assessments were based essentially on primary sources, particularly Iqbal's Urdu and Persian poetry as well as his private letters.



Undergraduate programs

- ◆ Bachelor of Business Administration (BBA)
- ◆ Bachelor of Science (B.S.) Accounting and Finance
- ◆ Bachelor of Science (B.S.) Computer Science
- ◆ Bachelor of Science (B.S.) Economics and Mathematics
- ◆ Bachelor of Science (B.S.) Economics
- ◆ Bachelor of Science (B.S.) Social Sciences and Liberal Arts



Bachelor of Business Administration (BBA) program

Bachelor of Business Administration (BBA) Program:

The BBA program comprises of four years of rigorous education which allows the student to have a broader view of the world. Students go through an academic program that not only emphasizes the essentials of business subjects, but also introduces them to the basic concepts of Social Sciences and Liberal Arts. In their freshman and sophomore years, students study subjects such as History, Anthropology, Philosophy & Logic, Psychology and Media Studies. Additionally, students are required to undergo training in a foreign language and can choose among three languages: Arabic, Chinese and French. All BBA students are required to enroll for Personal Effectiveness, a non-credit course which builds and enhances the soft skills mandatory for success in future.

In the past, students only had the choice to specialize in either Marketing or Finance. With a new BBA program, students can choose among a lot of electives to major in Marketing, Finance, Human Resource & Entrepreneurship.

Based on the feedback from the alumni, human resource representatives of major corporations and some of the chief executives of the companies, the management has included the aspect of experiential knowledge into the curriculum of BBA program. Students now undergo a six months on-the-job training in the real business environment. They spend their last semester working in a business of their choice. This not only allows them to network with their future employers, but it also introduces them to the challenges of the real business world.

Curriculum structure	
Duration	4 years
Semesters	8
Courses	40
ELP (project)	1
Total credit hours	128

Required courses

Section	Course category	Courses	Credit hours
A	University core courses	4	12
B	Business core courses	22	68
C	Business electives	8	24
D	Non-specialization courses (core - 5 & elective - 1)	6	18
E	Experiential learning project (6 hrs)*	Equivalent to 2 courses	6
	Total courses	40	128

*ELP is a project, equivalent to 2 courses of 6 credit hours, that will also be incorporated in CGPA.

A. University core courses

Course title	Course code	Credit hours	Pre-requisite
English Grammar & Composition	SSC101	3	-
Speech Communication	HUM201	3	-
Socioeconomic Philosophy of Islam (SEPI) or Philosophy, Logic & Ethics (PLE)**	SSC301 / HUM357	3	-
Pakistan History	SSC151	3	-

**All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Business core courses (7 to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
Principles of Microeconomics	ECO103	3	-
Principles of Accounting	ACC111	3	-
Principles of Macroeconomics	ECO104	3	-
Principles of Management	MGT201	3	-
Financial Accounting	ACC201	3	ACC111
Organizational Behavior	MGT221	3	MGT221
Principles of Marketing	MKT201	3	-
Introduction to Business Finance	FIN201	3	-
Financial Institutions and Markets	FIN301	3	FIN201
Business Communication (2+1 CH)	MGT211	3	MGT201, SSC102
Financial Management	FIN401	3	FIN201
Analysis of Pakistani Industries	ECO211	3	ECO103 / ECO201 & ECO104 / ECO202
Management Accounting	ACC381	3	ACC111, ACC201
Business Law	LAW205	3	-
Methods of Business Research	MKT301	3	MKT603
Human Resource Management	HRM401	3	MGT201, MKT201
Production and Operations Management	MGT311	3	FIN201, MGT201, MKT201
Marketing Issues in Pakistan	MKT401	3	MKT201
Small Business Management/Entrepreneurship*	MGT401/MGT421	3	FIN201, MGT201, MKT201
Managerial Policy	MGT430	3	ECO103, ECO201, FIN201, HRM401, ECO113 MGT201, MGT211, MGT221, MKT201
Foundation of Human Behavior	SSC102	3	-
Language-I**	SSC201/205/209	4	-
Language-II**	SSC202/206/210	4	SSC201/205/209

*It is a core elective, all students must take either one of Small Business Management MGT401 or Entrepreneurship MGT421

**All students must take both module (I & II) of the same language.

C. Business electives

Course title	Course code	Credit hours	Pre-requisite
Accounting Information System with SAP	ACC507	3	-
Analysis of Financial Statements	ACC561	3	ACC201, ACC501
Corporate Governance & Practices in Pakistan	LAW553	3	LAW501
International Business	MGT452	3	-
Microeconomics	ECO312	3	ECO201
Introduction to Econometrics	ECO341	3	ECO103 / ECO201, ECO104 / ECO202 & MTS202
Applied Econometrics	ECO342	3	ECO341
International Trade	ECO511	3	ECO103 / ECO201, ECO537, ECO501
Major Issues in Pakistan Economy	ECO403	3	ECO103 / ECO201 & ECO104 / ECO202
Research Methods in Economics	ECO411	3	ECO103 / ECO201, ECO104 / ECO104 & MTS202
Public Finance	ECO451	3	ECO103 / ECO201, ECO104 / ECO202
Labor Economics	ECO472	3	ECO103 / ECO201, ECO104 / ECO202
Population Economics	ECO454	3	ECO103 / ECO201, ECO104 / ECO202
Comparative Economic System	ECO455	3	ECO103 / ECO201, ECO104 / ECO202
Economics and Strategy	ECO456	3	ECO103 / ECO201, ECO104 / ECO202
Natural Resource and Environmental Economics	ECO461	3	ECO103 / ECO201, ECO104 / ECO202
Rural Development	ECO462	3	ECO103 / ECO201, ECO104 / ECO202
Financial Economics	ECO562	3	ECO103 / ECO201, ECO104 / ECO202
Game Theory	ECO464	3	ECO103 / ECO201, & MTS101



C. Business electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
International Political Economy	ECO465	3	ECO103 / ECO201, ECO104 / ECO202
Monetary Economics	ECO566	3	ECO103 / ECO201, ECO104 / ECO202, ECO532
History of Economic Thought	ECO467	3	ECO103 / ECO201, ECO104 / ECO202
Agriculture Economics	ECO468	3	ECO103 / ECO201, ECO104 / ECO202
Regional Economics	ECO469	3	ECO103 / ECO201, ECO104 / ECO202
Health Economics	ECO471	3	ECO103 / ECO201, ECO104 / ECO202
Investment Banking	FIN451	3	ECO103 / ECO201, ECO104 / ECO202
International Finance	FIN452	3	ECO104 / ECO202 & FIN401
Security Analysis	FIN453	3	FIN401
Corporate Finance	FIN454	3	FIN401
Portfolio Management	FIN455	3	FIN401
Financial Risk Management	FIN456	3	FIN401
Derivatives	FIN457	3	FIN401
Fundamentals of Treasury and Fund Management	FIN458	3	FIN401
Recruitment and Selection Techniques	HRM430	3	MGT201, HRM401
Occupational Health and Safety	HRM445	3	MGT201, HRM401
Industrial Relations Management	HRM451	3	MGT201, HRM401



C. Business electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Organizational Analysis and Research	HRM452	3	MGT201, HRM401
Life Career Development	HRM453	3	MGT201, HRM401
Executive Leadership	HRM455	3	MGT201, HRM401
Training and Development	HRM456	3	MGT201, HRM401
HR and Information System	HRM457	3	MGT201, HRM401
Leading the Change Process	HRM458	3	MGT201, HRM401
Performance and Compensation Management	HRM462	3	MGT201, HRM401
Ethics in a Corporate Society	MGT301	3	MGT201, ACC201, MKT201
Management Theory and Practice	MGT400	3	-
Comparative Management	MGT411	3	MGT201, MKT201, MGT221
Foundation for Management & Entrepreneurship I	MGT102	3	MGT201, FIN201, MKT201
Foundation for Management & Entrepreneurship II	MGT103	3	MGT102
Advertising	MKT451	3	MKT201
Consumer Behavior	MKT452	3	MKT201, MKT301
Sales Management	MKT453	3	MKT201, MKT401
Personal Selling	MKT454	3	MKT201, MKT401
Retail Management	MKT455	3	MKT201
Export Marketing	MKT456	3	MKT201
Dynamics of Distribution and Logistics	MKT457	3	MKT201
Public Relations	MKT458	3	MKT201
Direct Marketing	MKT460	3	MKT201
Brand Management	MKT461	3	MKT201
Essentials of Demand & Supply	MKT462	3	MKT201

Important note:

All BBA students are permitted to substitute up to two Social Sciences & Liberal Arts electives for Business electives.

D. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Computer Applications	MIS103	3	-
Calculus with Applications-I	MTS104	3	-
Introduction to Statistics	MTS102	3	MTS105
Statistical Inference (with econometrics lab)	MTS202	3	MTS101 / MTS104, MTS102
Business Mathematics and Linear Algebra	MTS212	3	MTS101 / MTS104

Non-specialization elective courses

One Social Sciences elective from the following:

Major Themes in World History	SSC121	3	-
Culture, Media & Society	SSC216	3	-
Research Methods in Social Sciences	SSC154	3	-
History of Ideas - I	SSC239	3	-
Fundamentals of Sociology	SSC231	3	-
Introduction to Social & Cultural Anthropology	SSC233	3	-
Creative Writing	HUM360	3	-
History of Ideas - II	HUM238	3	HUM239, SSC239
Introduction to Historical Methods	SSC232	3	-
South Asian History	SSC221	3	-
Introduction to Political Sciences	SSC217	3	-
Introduction to Urban Studies	SSC234	3	-



Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Principles of Microeconomics	ECO103	3	-
2	English Grammar & Composition	SSC101	3	-
3	Foundations of Human Behavior	SSC102	3	-
4	Introduction to Computer Applications	MIS103	3	-
5	Philosophy, Logic & Ethics/Socioeconomic Philosophy of Islam	HUM357/SSC301	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Principles of Accounting	ACC111	3	-
2	Principles of Macroeconomics	ECO104	3	-
3	Principles of Management	MGT201	3	-
4	Introduction to Statistics	MTS102	3	-
5	Speech Communication	HUM201	1+2	-
6	Calculus with Applications-I	MTS104	3	-
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Financial Accounting	ACC201	3	ACC111
2	Organizational Behavior	MGT221	3	SSC102, MGT201
3	Statistical Inference (with econometrics lab)	MTS202	3	MTS101, MTS102
4	Principles of Marketing	MKT201	3	-
5	Introduction to Business Finance	FIN201	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Financial Institutions and Markets	FIN301	3	FIN201
2	Business Communication (2+1 CH)	MGT211	3	MGT201, SSC102
3	Financial Management	FIN401	3	FIN201
4	Business Mathematics and Linear Algebra	MTS212	3	MTS101 / MTS104
5	Analysis of Pakistani Industries	ECO211	3	ECO103, ECO201, ECO104, ECO202

Important Note:

- Students are eligible to carry out their responsible citizen initiative (RCI)/social internships right after their 1st year of studies/2nd semester and should complete this mandatory graduation requirement by the end of their 3rd year of studies/6th semester.

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Management Accounting	CC381	3	ACC111,CC201A
2	Business Law	LAW205	3	-
3	Methods of Business Research	MKT301	3	MKT201, MTS202
4	Human Resource Management	HRM401	3	MGT201, MKT201
5	Language-I	SSC201/205/209	4	-
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Production and Operations Management	MGT311	3	FIN201, MGT201, MKT201
2	Marketing Issues in Pakistan	MKT401	3	MKT201
3	Small Business Management/Entrepreneurship*	MGT401/MGT421	3	FIN201, MGT201, MKT201
4	Language-II	SSC202/206/210	4	SSC201/205/209
5	Business elective I	-	3	-
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Managerial Policy	MGT430	3	ECO103, ECO201, FIN201,HRM401, ECO113 MGT201, MGT211, MGT221, MKT201
2	Personal Effectiveness	SSC240	3	SSC201
3	Social Science & Liberal Arts elective	SSC -	3	-
4	Business elective II	-	3	-
5	Business elective III	-	3	-
	Semester - 8	Course code	Credit hours	Pre-requisite
1	Experiential learning project (ELP)**	PRJ490	6	-
2	Business elective IV	-	3	-
3	Business elective V	-	3	-
4	Business elective VI	-	3	-
5	Business elective VII	-	3	-

*It is a core elective, all students must take either one of Small Business Management MGT401 or Entrepreneurship MGT421

**ELP is a project, equivalent to 2 courses of 6 credit hours, that will also be incorporated in CGPA.

Important note:

- Corporate Internship can only be carried out in the sixth semester (i.e. after completion of all the courses till sixth semester as mentioned in semester in the aforementioned table). However, students from spring intake batch can be provided with a special provision to carry out their corporate internships during the subsequent summer after their fifth semester studies i.e. by the end of spring semester every year.

Bachelor of Science (B.S.) Accounting and Finance program

Bachelor of Science (B.S.) Accounting and Finance program:

Bachelor of Science (B.S.) Accounting and Finance program is a 4-year degree introduced in 2013 providing an exclusive opportunity for students to receive an academic degree that leads to a professional qualification. The program is recognized by the Institute of Chartered Accountants of Pakistan (ICAP), Association of Chartered Certified Accountants (ACCA) and Institute of Bankers Pakistan (IBP). The following (institution-wise) exemptions are available to BSAF graduates:

Institute of Chartered Accountants of Pakistan (ICAP):

An exemption of 4 papers of AFC stage, 9 papers of CAF stage (old Module A to D), and the Presentation and Communication Skills Course (PCSC-01) will be granted to the prospective CA students, who register with ICAP after completing their BSAF degree from IBA. After registering as student with ICAP, the students would be required:

- To complete training for 3 years (save 6 months) at an approved training organization, and
- Pass 6 papers of CFAP & 2 papers of MSA (old Module E & F)

Chartered Institute of Management Accountants (CIMA):

CIMA has exempted 7 examinations to BSAF graduates

Association of Chartered Certified Accountants (ACCA):

ACCA has exempted 9 examinations (F1 to F9) to BSAF graduates

Institute of Bankers Pakistan (IBP):

IBP has waived off appearances at all three levels of the examinations & replaced it with only 1 comprehensive examination.

Chartered Financial Analyst (CFA):

CFA does not grant any exemptions, as a principle, but close mapping has been done in Finance courses that facilitates qualifying CFA examinations. Many of the final year students have successfully passed level 1 of CFA before graduating.

Curriculum structure

Duration	4 years
Semesters	8
Courses	40
Total credit hours	127

Required courses

Section	Course category	Courses	Credit hours
A	University core courses	4	12
B	Accounting core	6	18
C	Accounting elective	6	18
D	Finance core	5	15
E	Finance elective	7	21
F	Non-specialization courses	12	36
	Experiential learning project (6 hrs)*	1	6
	Total	40	126

*ELP is a project, equivalent to 2 courses of 6 credit hours, that will also be incorporated in CGPA.

A. University core courses

Course title	Course code	Credit hours	Pre-requisite
English Grammar & Composition	SSC101	3	-
Speech Communication	HUM201	3	-
Pakistan History	SSC151	3	-
*Socioeconomic Philosophy of Islam or Philosophy, Logic & Ethics	SSC301 / HUM357	3	-

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Accounting core courses

Course title	Course code	Credit hours	Pre-requisite
Principles of Accounting	ACC111	3	-
Management Accounting	ACC381	3	ACC201
Financial Accounting	ACC201	3	ACC111
Taxation	LAW303	3	ACC201
Business Law	LAW205	3	-
Auditing	ACC320	3	-

C. Accounting electives (6 to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
Advanced Managerial Accounting	ACC310	3	ACC381
Financial Reporting	ACC315	3	ACC201
Corporate Governance or Code & Practice in Pakistan	LAW315	3	LAW305
Business Analysis & Decision Making	ACC312	3	-
Legal and Regulatory Environment (only for BSAF)	LAW310	3	LAW305
Strategic Management	MGT552	3	-
Corporate Law	LAW305	3	LAW205
Criminal Law	LAW 320	3	LAW305
Competition Law	LAW330	3	LAW305



C. Accounting electives (cont...)

Course title	Course code	Credit hours	Pre-requisite
Legal Aspects of Mergers & Acquisitions	LAW340	3	LAW305
Advanced Financial Reporting	ACC401	3	ACC315
Essential Software	MIS150	3	-
Data Warehousing	MIS343	3	-
Database System	CSE341	3	-
Advanced Taxation	LAW401	3	ACC315, LAW303
Accounting Tools I	MIS -	1.5	MIS103
Accounting Tools II	ACC -	1.5	MIS3 -
International Business	MGT452	3	-
Advanced Auditing	ACC325	3	LAW305, ACC320
Accounting Information System with SAP	ACC330	3	ACC111

D. Finance core courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Business Finance	FIN201	3	-
Financial Institutions & Markets	FIN301	3	FIN201
Regulations & Financial Markets	FIN558	3	FIN401
Financial Management	FIN401	3	FIN201
Financial Modeling	FIN464	3	FIN401



E. Finance electives (7 to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
Investment Banking	FIN451	3	FIN401
Treasury and Funds Management	FIN565	3	FIN401
Financial Risk Management	FIN456	3	FIN401
Advance Portfolio Management and Wealth Planning	FIN563	3	FIN401
Corporate Finance	FIN454	3	FIN401
Financial Econometrics	FIN569	3	MTS202, FIN401
Public Finance	ECO451	3	ECO105
Alternative Investments	FIN305	3	FIN401
Real Estate Investments: Analysis & Financing	FIN308	3	FIN401
International Banking	FIN310	3	FIN401
Behavioral Finance (with lab- 4 credit)	FIN312	4	FIN401
Venture Capital & the Finance of Innovation	FIN405	3	FIN401
Buyouts and Acquisitions	FIN410	3	FIN401
Corporate Restructuring	FIN315	3	FIN401
Empirical Research in Finance	FIN320	3	FIN401
Fixed Income Investments	FIN424	3	FIN401
Branch Banking	FIN425	3	FIN401
Lending-Products, Operations & Risk Management	FIN426	3	FIN401
Finance of International Trade & Related Treasury Operations	FIN427	3	FIN401
Marketing of Financial services	FIN428	3	FIN401
Information Technology in Financial services	FIN429	3	FIN401
Financial Information System	FIN430	3	FIN401
International Finance	FIN452	3	FIN401, ECO105
Security Analysis (4 credit-lab)	FIN453	4	FIN401
Derivatives	FIN457	3	FIN401
Portfolio Management (4 credit-lab)	FIN455	4	FIN401
Advanced Corporate Finance	FIN560	3	FIN401
Islamic Banking & Finance	FIN463	3	FIN401
Financial Economics	-	3	-

F. Non-specialization core courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Statistics	MTS102	3	MTS105
Statistical Inference	MTS202	3	MTS102/MTS101
Introduction to Computer Applications	MIS103	3	-
Introduction to Economics	ECO105	3	-
Management & Organizational Behavior	MGT231	3	-
Principles of Marketing	MKT201	3	-
Calculus with Applications – I	MTS104	3	-
Business Communication	MGT211	3	-

Non-specialization electives *(4 to be selected – at least one from Social Science & Liberal Arts courses)*

Any course except accounting (core and elective) and finance (core and elective) courses. A course can only be chosen if it's prerequisite condition has been met. Social Science & Liberal Arts course means a course offered by social science department, including languages.



Accounting electives compulsory for CA & ACCA exemption

Course title	Course code
Advanced Managerial Accounting	ACC310
Financial Reporting	ACC315
Advanced Auditing	ACC325
Corporate Law	LAW305
Advanced Financial Reporting	ACC401
Advanced Taxation	LAW401
Finance electives courses conducive for CFA preparation	
Corporate Governance or Code & Practice in Pakistan	LAW315
Treasury and Funds Management	FIN565
Advance Portfolio Management and Wealth Planning	FIN563
Corporate Finance	FIN454
Alternative Investments	FIN305
Behavioral Finance (4 credit hours-lab)	FIN312
Fixed Income Investments	FIN425
Security Analysis (4 credit hours-lab)	FIN453
Derivatives	FIN457
Portfolio Management (4 credit hours-lab)	FIN455
Finance electives courses compulsory for IBP exemption	
Branch banking	FIN425
Lending- Products, operations & risk management	FIN426
Finance of international trade & related treasury operations	FIN427
Marketing of financial service	FIN428
Information technology in Financial services	FIN429



Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Introduction to Economics	ECO105	3	-
2	English Grammar & Composition	SSC101	3	-
3	Calculus With Application I	MTS104	3	-
4	Introduction to Statistics	MTS102	3	-
5	Pakistan History	SSC151	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Principles of Accounting	ACC111	3	-
2	Speech Communication	HUM201	3	-
3	Management & Organizational Behaviour	MGT231	3	-
4	Socioeconomic Philosophy or Philosophy, Logic & Ethics	SSC301/HUM357	3	-
5	Introduction to Computer Application	MIS103	3	-
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Principles of Marketing	MKT201	3	-
2	Statistical Inference with Econometrics	MTS202	3	MTS102
3	Financial Accounting	ACC201	3	ACC111
4	Introduction to Business Finance	FIN201	3	-
5	Business Law	LAW205	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Management Accounting	ACC381	3	ACC201
2	Financial Institutions & Markets	FIN301	3	FIN201
3	Financial Management	FIN401	3	FIN201
4	Taxation	LAW303	3	ACC201
5	Accounting elective I	-	3	-

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Regulations & Financial Markets	FIN558	3	FIN401
2	Financial Modeling	FIN464	3	FIN401
3	Auditing	ACC320	3	-
4	Business Communication	MGT211	3	-
5	Accounting elective II	-	3	-
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Accounting elective III	-	3	-
2	Finance elective I	-	3	-
3	Finance elective II	-	3	-
4	Finance elective III	-	3	-
5	NS elective I	-	3	-
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Accounting elective IV	-	3	-
2	NS elective III	-	3	-
3	NS elective III	-	3	-
4	Finance elective IV	-	3	-
5	Finance elective V	-	3	-
	Semester - 8	Course code	Credit hours	Pre-requisite
1	Accounting elective V	-	3	-
2	Accounting elective VI	-	3	-
3	Finance elective VI	-	3	-
4	Finance elective VII	-	3	-
5	NS elective IV	-	3	-

Important Note:

- Students are eligible to carry out their responsible citizen initiative (RCI)/social internships right after their first year of studies/2nd semester and should complete this mandatory graduation requirement by the end of their 3rd year of studies/6th semester.
- Corporate Internship can only be carried out in the 6th semester (i.e. after completion of all the courses till 6th semester as mentioned in the semester as break up above). However, students from spring intake batch can be provided with a special provision to carry out their corporate internships during the subsequent summer after their 5th semester studies i.e. by the end of spring semester every year.
- ELP will also be mandatory for ACF from batch 2022 (students inducted in fall 2018).
- ELP is a project, equivalent to 2 courses of 6 credit hours, that will also be incorporated in CGPA.

Bachelor of Science (B.S.) Computer Science program

Bachelor of Science (B.S.) Computer Science program:

Bachelor of Science (B.S.) Computer Science program is a 4-year standard degree program that includes courses from theoretical Computer Science, Technology, Social Sciences & Liberal Arts, and other areas. The aim is to educate students to become skilled professionals with the problem solving capability in CS and allied areas as well as enhance their social worth, to contribute to society. It also prepare students for research and development roles. It comprises of a total of 129 credit hours. These are divided into University core, CS core, CS elective, Non-specialization core, and Non-specialization elective with 12, 63, 18, 24, and 12 credit hours respectively. The non-specialization course and electives are from supporting disciplines of Mathematics, Physics, and Communication. The program core courses and general electives are from supporting disciplines of Mathematics, Physics, and Communication, Accounting, Economics, Finance, Human Resource Management, Marketing, Management, and Social Sciences & Liberal Arts. A wide range of core and elective courses is engineered to provide the students with enough flexibility to choose a professional career path of their interest.

To ensure that Computer Science students get groomed, IBA has a large number of co-curricular and extra-curricular societies catering to a diverse range of activities. Office positions for student-led societies are contested via formal elections. Students can opt for membership of these societies, and nurture their various interests such as management, public speaking, various sports, adventure, photography, etc.. These engagements allow them to build a holistic understanding of the real world. IBA CS graduates have successfully developed their careers with entrepreneurial start-ups of their own as well as getting placed in good software houses, ICT companies, financial institutions, business solution providers, and multinational companies.

Curriculum structure

Duration	4 years
Semesters	8
Courses	40
Total credit hours	129

Required courses

Section	Courses category	Courses	Credit hours
A	University core	4	12
B	Computer Science core	18	63
C	Computer Science electives	6	18
D	Program core	8	24
E	General electives	4	12
	Total	40	129

A. University core courses

Course title	Course code	Credit hours
Speech Communication	HUM201	3
English Grammar & Composition	SSC103	3
Pakistan History	SSC151	3
*Socioeconomic Philosophy of Islam or Philosophy, Logic & Ethics	SSC301 /HUM357	3

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Computer science core courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Programming	CSE141	4	-
Object Oriented Programming Techniques	CSE142	4	CSE141
Introduction to Computing	CSE145	4	-
Digital Logic Design	CSE241	4	CSE145, MTS211
Data Structures	CSE247	4	CSE142, MTS211
Computer Communications & Networks	CSE248	4	CSE142, CSE145

B. Computer Science core courses

Course title	Course code	Credit hours	Pre-requisite
Theory of Automata	CSE309	3	CSE141, MTS211
Software Engineering	CSE312	3	CSE247
Design and Analysis of Algorithms	CSE317	3	CSE247
Operating Systems	CSE331	3	CSE345
Database Systems	CSE341	4	CSE247
Computer Architecture and Assembly Language	CSE345	4	CSE247 & CSE241
Human Computer Interaction	CSE407	3	CSE312
Systems Programming	CSE441	4	CSE331
Computer Science Project - I	CSE491	3	CSE312, CSE341
Computer Science Project - II	CSE492	3	CSE491
Introduction to Artificial Intelligence	CSE307	3	CSE247
Audit, Ethics & IS Issues	MIS454	3	MGT211

C. Computer Science electives (6 to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
Web Based Application Development	CSE308	3	CSE341
Design Patterns	CSE318	3	CSE247
Compiler Design	CSE344	4	CSE309, CSE345
System Modeling and Simulation	CSE403	3	-
Microprocessor Interfacing	CSE448	4	CSE345
Application Development for Mobile Devices	CSE450	3	CSE142, CSE 312
Network Security	CSE455	3	CSE248
Business Intelligence	CSE459	3	CSE341, MIS 343
Introduction to Game Programming and Robotics	CSE460	3	CSE307
Mathematics for Games	CSE461	3	-
Introduction to Bioinformatics	CSE463	3	-
Data Warehousing	MIS343	4	CSE341
Social Computing	MIS406	3	CSE341
Technopreneurship	MIS450	3	-
E-Commerce	MIS456	3	-
IS Security	MIS457	3	-
Enterprise Resource Planning	MIS458	4	ACC111
Mobile Marketing - A Technological Perspective	MIS463	3	-
Computer Graphics	CSE352	3	-
Introduction to Computer Vision	CSE454	3	-

C. Computer Science electives *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Financial Services Technologies	MIS464	3	-
Introduction to Image Processing	CSE462	3	-
Customer Relationship Management	MIS451	3	-
Cloud Computing	CS351	3	CSE248, CSE331, CSE34

D. Program core

Course title	Course code	Credit hours	Pre-requisite
Business Communications	MGT211	3	HUM201
Discrete Mathematics	MTS211	3	MGT101
Calculus - I with Plane Geometry	MTS101	3	-
Introduction to Statistics	MTS102	3	-
Linear Algebra	MTS203	3	MTS101
Calculus - II with Solid Geometry	MTS232	3	MTS101
Numerical Analysis	MTS306	3	MTS232
Physics	SCI-	3	-

E. General electives*

Course title	Course code	Credit hours	Pre-requisite
Principles of Accounting I	ACC111	3	-
Principles of Accounting II	ACC201	3	ACC111
AIS with SAP	ACC507	3	ACC111
Principles to Microeconomics	ECO103	3	-
Principles to Macroeconomics	ECO104	3	-
Introduction to Business Finance	FIN201	3	-
Human Resource Management	HRM401	3	-
Business Law	LAW205	3	-
Principles of Management	MTS202	3	MTS102
Statistical Inference	MTS301	3	MTS232
Real Analysis	MTS303	3	MTS401
Advanced Differential Equations	MIS 459	3	-

E. General electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Foundation of Human Behavior	SSC102	3	-
International Relations	SSC111	3	-
Fundamentals of Sociology	SSC231	3	-
History of Ideas II	SSC238	3	-
History of Ideas I	SSC239	3	-
Principles of Marketing	MKT201	3	-
Advertising	MKT451	3	MKT201
Retail Management	MKT455	3	MKT201
Brand Management	MKT461	3	MKT201
Language electives**			
Arabic Language - I	SSC 201	4	-
Arabic Language - II	SSC202	4	SSC 201
French Language - I	SSC205	4	-
French Language - II	SSC206	4	SSC 205
Mandarin Language - I	SSC209	4	-
Mandarin Language - II	SSC210	4	SSC 209
Non-specialization elective courses			
One Social Sciences & Liberal Arts elective from the following:			
Major Themes in World History	SSC121	3	-
Culture, Media & Society	SSC216	3	-
Research Methods in Social Sciences	SSC154	3	-
History of Ideas - I	SSC239	3	-
Fundamentals of Sociology	SSC231	3	-
Introduction to Social & Cultural Anthropology	SSC233	3	-
Creative Writing	HUM360	3	-
History of Ideas - II	HUM238	3	HUM239
Introduction to Historical Methods	SSC232	3	-
South Asian History	SSC221	3	-
Introduction to Political Sciences	SSC217	3	-
Introduction to Urban Studies	SSC234	3	-

*For general electives, a student can take any course offered by the faculty of Business Administration and is not constrained by the given list.

**All students must take both module (I & II) of the same language.

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Introduction to Programming	CSE141	4	-
2	Introduction to Computing	CSE145	4	-
3	Calculus-I with Plane Geometry	MTS101	3	-
4	English Grammar & Composition	SSC103	3	-
5	Pakistan History or Socioeconomic Philosophy of Islam	SSC151/SSC301	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Object Oriented Programming Techniques	CSE142	4	CSE141
2	Speech Communication	HUM201	3	SSC103
3	Calculus - II with Solid Geometry	MTS232	3	MTS101
4	Introduction to Statistics	MTS102	3	-
5	Physics	SCI-	3	-
6	Discrete Mathematics	MTS211	3	MTS101
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Digital Logic Design	CSE241	4	CSE145, MTS211
2	Data Structures	CSE247	4	CSE142, MTS211
3	Linear Algebra	MTS203	3	MTS101
4	Numerical Analysis	MTS306	3	MTS232
5	General elective-I	-	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Computer Architecture & Assembly Language	CSE345	4	CSE241, CSE247
2	Theory of Automata	CSE309	3	CSE141, CSE211
3	Computer Communication & Networking	CSE248	4	CSE142, CSE145
4	Socioeconomy Philosophy of Islam or Pakistan History	SSC301/SSC151	3	-
5	CS elective-I	CSE -	3	-

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Database Systems	CSE341	4	CSE247
2	Operating Systems	CSE331	3	CSE345
3	Software Engineering	CSE312	3	CSE247
4	Business Communication	MGT211	3	HUM201
5	CS elective-II	CSE-	3	-
6	Personal Effectiveness	SSC240	-	-
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Systems Programming	CSE441	4	CSE331
2	Introduction to Artificial Intelligence	CSE307	3	CSE247
3	Design & Analysis of Algorithm	CSE317	3	CSE247
4	CS elective-III	CSE-	3	-
5	General elective-II	-	3	-
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Human Computer Interaction	CSE407	3	CSE312
2	Computer Science Project - I	CSE491	3	CSE312, CSE341
3	CS elective-IV	CSE-	3	-
4	CS elective-V	CSE-	3	-
5	General elective-III	-	3	-
	Semester - 8	Course code	Credit hours	Pre-requisite
1	Computer Science Project - II	CSE492	3	CSE491
2	Audit, Ethics & IS Issues	MIS454	3	MGT211
3	CS elective-VI	CSE-	3	-
4	General elective-IV	-	3	-

Important Note:

- Students are eligible to carry out their responsible citizen initiative (RCI)/social internships right after their 1st year of studies/2nd semester and should complete this mandatory graduation requirement by the end of their 3rd year of studies/6th semester.
- Corporate Internship can only be carried out after 6th semester (i.e. after completion of all the courses till 6th semester as mentioned in the semester break up above). However, students from spring intake batch can be provided with a special provision to carry out their corporate internships during the subsequent summer after their 5th semester studies i.e. by the end of spring semester every year.

Bachelor of Science (B.S.) Economics and Mathematics program

Bachelor of Science (B.S.) Economics & Mathematics program:

B.S. (Economics and Mathematics) is a 4-year degree program that contains fundamental components of two fields of study: Economics and Mathematics. The program prepares the students for entry-level positions in private and public sectors, development organizations, banks, insurance companies, investment companies, education sector, and research organizations.

A wide range of courses offered in this program gives students many opportunities to broaden their knowledge & expand the horizon. The research project in the 4th year enables students to apply the quantitative tools learnt in the program to economic and financial problems in the public and private sectors.



Curriculum structure

Duration	4 years
Semesters	8
Courses	40
Research project	1
Total credit hours	128

Required courses

Section	Course category	Courses	Credit hours
A	University core courses	4	12
B	Economics core courses	11	35
C	Economics electives	2	6
D	Mathematics core courses	11	35
E	Mathematics electives	2	6
F	Non-specialization courses (core-6 & electives-4)	10	30
G	Research Project in Economics or Mathematics (core)	1	4
	Total	41	128

A. University core courses

Course title	Course code	Credit hours
English Grammar & Composition	SSC101	3
Pakistan History	SSC151	3
Speech Communication	HUM357	3
Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics*	SSC301/HUM357	3

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Economics core course

Course title	Course code	Credit hours	Pre-requisite
Principles of Microeconomics	ECO103	3	-
Principles of Macroeconomics	ECO104	3	-
Intermediate Microeconomics	ECO201	3	ECO103, MTS101
Intermediate Macroeconomics	ECO202	3	ECO104, MTS101
Development Economics I	ECO203	3	ECO103, ECO104
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Applied Econometrics I	ECO343	4	MTS202

B. Economics core course *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Applied Econometrics II	ECO344	4	ECO341
Research Methods for Economics	ECO411	3	ECO303
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
Economics Elective I	ECO-	3	-
Economics Elective II	ECO-	3	-

C. Economics electives *(2 to be selected from the following list)*

Course title	Course code	Credit hours	Pre-requisite
Public Economics	ECO401/ECO567	3	ECO103, ECO104/ECO531, ECO532 & ECO533
Public Finance	ECO451	3	ECO103, ECO104
Monetary Economics	ECO452/ECO566	3	ECO103, ECO104
Time Series Econometrics	ECO457	3	MTS202
Climate Change Economics	ECO458/ECO551	3	ECO103, ECO104
Natural Resource and Environmental Economics	ECO461	3	ECO103, ECO104
Game Theory/Game Theory & Competitive Strategy	ECO464/ECO573	3	ECO103, ECO104
Health Economics	ECO471/ECO563	3	ECO103, ECO104
Labour Economics	ECO472	3	ECO103, ECO104
Economic Forecasting	ECO555	3	ECO537
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/501/102 /104 /103/113
Environmental and Resource Economics	ECO561	3	ECO531, ECO533
Financial Economics	ECO562	3	ECO531, ECO533
Time Series Modeling	ECO570	3	ECO537
Industrial Economics	ECO571	3	ECO631
Water Economics and Policy	ECO574	3	-
Microeconomics for Policy Analysis	ECO575	3	ECO531/301/312/501
Social Impact Evaluation	ECO577	3	-
Contemporary Issues in Global Economics	ECO404	3	ECO103, ECO104
History of Economic Thought	ECO467	3	ECO103, ECO104
Development Economics II	ECO302	3	ECO103, ECO104
Major Issues in Pakistan Economy	ECO403	3	ECO103, ECO104

D. Mathematics core course

Course title	Course code	Credit hours	Pre-requisite
Calculus-I with Plane Geometry	MTS101	3	-
Discrete Mathematics	MTS211	3	-
Calculus-II with Solid Geometry	MTS232	3	MTS101
Linear Algebra	MTS203	3	-
Introduction to Differential Equations	MTS241	3	MTS101
Multivariable Calculus ¹	MTS242	4	MTS232
Partial Differential Equations ²	MTS436	3	MTS241
Optimization Techniques	MTS330	3	MTS203
Stochastic Process	MTS304	3	MTS231
Probability & Statistical Models	MTS430	3	MTS231
Real Analysis I ³	MTS341	4	MTS232
Mathematics elective I	MTS-	3	-
Mathematics elective II	MTS-	3	-

¹. "Multivariable Calculus (MTS242)" could be counted in place of "Calculus III (MTS204)" but vice-versa is not applicable.

². "Partial Differential Equations (MTS436) is equivalent to "Advance Differential Equations (MTS303)".

³. "Real Analysis I (MTS341) could be counted in place of "Real Analysis (MTS301)" but vice-versa is not applicable.

E. Mathematics electives (2 to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
Abstract Algebra I	MTS305	3	MTS203
Abstract Algebra II	MTS413	3	MTS305
Complex Analysis	MTS302	3	MTS341
Functional Analysis I	MTS411	3	MTS341
Functional Analysis II	MTS412	3	MTS411
Numerical Analysis	MTS306	3	MTS232
Topology I	MTS451	3	MTS341
Numerical Solutions of PDE	MTS431	3	MTS414
Integral Equations	MTS432	3	MTS303
Advanced Numerical Analysis I	MTS433	3	MTS414
Advanced Numerical Analysis II	MTS434	3	MTS433
Differential Geometry	MTS435	3	MTS204, MTS203
Fluid Dynamics I	MTS437	3	-

E. Mathematics electives *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Fluid Dynamics II	MTS438	3	-
Financial Mathematics with a computational approach	MTS441	3	-
Computational Finance	MTS442	3	-
Modern Algebra I (Galois Theory & Applications)	MTS443	3	MTS413
Modern Algebra II (Commutative Rings & Fields)	MTS444	3	MTS413
Measure Theory I	MTS445	3	-
Measure Theory II	MTS446	3	-
Operations Research I	MTS447	3	-
Operations Research II	MTS448	3	-
Scientific Computing for Linear PDE's	MTS414	3	MTS413
Intoduction to Differential Topology	MTS452	3	MTS451
Financial Engineering	MTS453	3	MTS441

F. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Statistics	MTS102	3	MTS105
Statistical Inference	MTS202	3	MTS102
Probability Theory ¹	MTS231	3	MTS102
Essential Software	MTS111	3	-
Foundations of Data Science	CSE-	3	-
Introduction to Academic Writing	SSC-	3	-
Non-specialization elective-I	-	3	-
Non-specialization elective-II	-	3	-
Non-specialization elective-III	-	3	-
Non-specialization elective-IV	-	3	-

¹ "Probability Theory (MTS231) is equivalent to "Applied Probability Theory (MTS112)".

Non-specialization electives: Four courses are to be chosen from courses other than Mathematics and Economics. These non-specialization electives may be from different subject areas including Accounting, Finance, Marketing, Management, Social Sciences and Liberal Arts, Computer Sciences, or any other field.

G. Research project

Course title	Course code	Credit hours	Pre-requisite
Economics Research Project or Mathematics Research Project*	ECO441/MTS471	4	-

*Students can take either ECO441 or MTS471.

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	English Grammar & Composition	SSC101	3	-
2	Pakistan History	SSC151	3	-
3	Introduction to Statistics	MTS102	3	MTS105
4	Calculus I with Plane Geometry	MTS101	3	-
5	Principles of Microeconomics	ECO103	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Speech Communication	HUM201	3	-
2	Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics*	SSC301/HUM357	3	-
3	Calculus II with Solid Geometry	MTS232	3	MTS101
4	Statistical Inference	MTS202	3	MTS102
5	Principles of Macroeconomics	ECO104	3	-
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Introduction to Academic Writing	SSC-	3	-
2	Multivariable Calculus	MTS242	4	MTS232
3	Essential Software	MTS111	3	-
4	Intermediate Microeconomics	ECO201	3	-
5	Discrete Mathematics	MTS211	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Linear Algebra	MTS203	3	-
2	Foundations to Data Science	CSE-	3	-
3	Intermediate Macroeconomics	ECO202	3	MTS202
4	Probability Theory	MTS231	3	MTS102
5	Development Economics I	ECO203	3	ECO103, ECO104

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Real Analysis I	MTS341	4	MTS232
2	Introduction to Differential Equations	MTS241	3	MTS101
3	Microeconomic Theory	ECO312	3	ECO201, MTS112, MTS201
4	Applied Econometrics I	ECO343	4	ECO103, ECO104 & MTS202
5	Non-specialization elective I	-	3/4	-
Semester - 6		Course code	Credit hours	Pre-requisite
1	Optimization Techniques	MTS330	3	MTS203
2	Stochastic Processes	MTS304	3	MTS231
3	Macroeconomic Theory	ECO313	3	ECO201, MTS112, MTS201
4	Applied Econometrics II	ECO344	4	ECO301
5	Non-specialization elective II	-	3/4	-
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Economics elective I	ECO-	3	-
2	Partial Differential Equations	MTS436	3	MTS241
3	Non-specialization elective III	MTS-	3	-
4	Mathematics elective I	-	3	-
5	Research Methods for Economics	ECO411	3	-
6	Research Project in Economics or Mathematics	-	4	-
Semester - 8		Course code	Credit hours	Pre-requisite
1	International Trade or International Economics	ECO466/ECO305	3	-
2	Non-specialization elective IV	-	3	-
3	Probability & Statistical Models	MTS430	3	MTS231
4	Economics elective II	ECO-	3	-
5	Mathematics elective II	MTS-	3	-

Note: Students are eligible to carry out their responsible citizen initiative (RCI)/social internships right after their 1st year of studies/2nd semester and should complete this mandatory graduation requirement by the end of their 3rd year of studies/6th semester.

Bachelor of Science (B.S.) Economics program

Bachelor of Science (B.S.) Economics program:

Bachelor of Science (BS) Economics program is a 4-year degree program designed to give students a solid foundation in Economics. The program provides a well coordinated curriculum and prepares the students for entry level positions in private and public sector corporations, development organizations, banks, education and research organizations. A wide range of courses offered in this program give students ample opportunity to broaden their knowledge base. The Economics research project in the 4th year enables students to apply the quantitative tools learnt in the program to the economic and financial problems in the public and private sectors.



Curriculum structure	
Duration	4 years
Semesters	8
Courses	40
Research project	1
Total credit hours	126

Required courses

Section	Course category	Courses	Credit hours
A	University core courses	4	12
B	Economics core courses	16	50
C	Economics elective courses	4	12
D	Supporting courses (Mathematics 3 and Statistics 2) (core)	5	15
E	Non-specialization courses (3 core + 8 electives)	11	33
F	Economic research project (core)	1	4
Total		40	126

A. University core courses

Course title	Course code	Credit hours
English Grammar and Composition	SSC101	3
Pakistan History	SSC151	3
Speech Communication	MIS103	3
Socioeconomic Policy of Islam or Philosophy, Logic and Ethics*	SSC301/HUM357	3

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Economics core courses

Course title	Course code	Credit hours	Pre-requisite
Principles of Microeconomics	ECO103	3	-
Principles of Macroeconomics	ECO104	3	-
Intermediate Microeconomics	ECO201	3	ECO103
Intermediate Macroeconomics	ECO202	3	ECO104

B. Economics core courses (contd...)

Course title	Course code	Credit hours	Pre-requisite
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Mathematical Economics	ECO303	3	-
Major Issues in Pakistan's Economy	ECO403	3	-
Contemporary Issues in Global Economics	ECO404	3	ECO201, ECO202
Development Economics I	ECO203	3	ECO103, ECO104
Development Economics II	ECO302	3	-
Applied Econometrics I	ECO343	4	MTS202
Applied Econometrics II	ECO344	4	ECO303
Research Methods in Economics	ECO411	3	ECO303
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
History of Economic Thought	ECO467	3	ECO103, ECO104

C. Economics elective courses

Students can select any four economics elective courses. Currently, following elective courses are being offered:

Course title	Course code	Credit hours	Pre-requisite
Public Economics	ECO401/ECO567	3	ECO103, ECO104/ECO531, ECO532, ECO533
Public Finance	ECO451	3	ECO103, ECO104
Monetary Economics	ECO452/ECO566	3	ECO103, ECO104
Time Series Econometrics	ECO457	3	MTS202
Climate Change Economics	ECO458/ECO551	3	ECO103, ECO104
Natural Resource and Environmental Economics	ECO461	3	ECO103, ECO104
Game Theory/Game Theory & Competitive Strategy	ECO464/ECO573	3	ECO103, ECO104
Health Economics	ECO471/ECO563	3	ECO103, ECO104
Labour Economics	ECO472	3	ECO103, ECO104
Economic Forecasting	ECO555	3	ECO537
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/501/102 /104 /103/113
Environmental and Resource Economics	ECO561	3	ECO531, ECO533
Financial Economics	ECO562	3	ECO531, ECO533
Time Series Modeling	ECO570	3	ECO537
Industrial Economics	ECO571	3	ECO631

C. Economics elective courses (contd...)

Course title	Course code	Credit hours	Pre-requisite
Water Economics and Policy	EC0574	3	-
Microeconomics for Policy Analysis	EC0575	3	EC0531/301/312/501
Social Impact Evaluation	EC0577	3	-

D. Supporting courses (Mathematics & Statistics)

Course title	Course code	Credit hours	Pre-requisite
Calculus with Applications I or Calculus I with Plain Geometry	MTS101/MTS104	3	-
Calculus with Applications II or Calculus II with Solid Geometry	MTS232/MTS106	3	-
College Algebra or Linear Algebra	MTS203/MTS105	3	-
Introduction to Statistics	MTS102	3	-
Statistical Inferences	MTS202	3	-



E. Non-specialization elective courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Computer Applications	MIS103	3	-
Essential Software	MIS150	3	-
Introduction to Academic Writing	SSC-	3	-
Non-specialization elective I	-	3	-
Non-specialization elective II	-	3	-
Non-specialization elective III	-	3	-
Non-specialization elective IV	-	3	-
Non-specialization elective V	-	3	-
Non-specialization elective VI	-	3	-
Non-specialization elective VII	-	3	-
Non-specialization elective VIII	-	3	-

Non-specialization elective courses

Students can select 8 courses from any discipline other than Economics, including: Accounting, Finance, Marketing, Management, Social Sciences & Liberal Arts, Mathematics, Statistics, and Computer Science.



Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	English Grammar & Composition	SSC101	3	MTS -
2	Pakistan History	SSC151	3	
3	Principles of Microeconomics	ECO103	3	
4	Introduction to Computer Applications	MIS103	3	
5	College Algebra or Linear Algebra	MTS105/MTS203	3	
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Speech Communication	HUM201	3	-
2	Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics*	SSC301/HUM357	3	
3	Principles of Macroeconomics	ECO104	3	
4	Calculus with Applications I or Calculus I with Plain Geometry	MTS101/MTS104	3	
5	Non-specialization elective I	-	3	
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Introduction to Academic Writing	SSC106	3	-
2	Introduction to Statistics	MTS102	3	
3	Intermediate Microeconomics	ECO201	3	
4	Calculus with Applications II or Calculus II with Solid Geometry	MTS232/MTS106	3	
5	Non-specialization elective II	-	3	
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Essential Software	-	3	-
2	Intermediate Macroeconomics	ECO202	3	
3	Development Economics I	ECO203	3	
4	Statistical Inferences	MTS202	3	
5	Non-specialization elective III	-	3	

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

Note: Students with Mathematics background are advised to take Linear Algebra.

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Microeconomic Theory	ECO312	3	-
2	Applied Econometrics I	ECO343	4	
3	Development Economics II	ECO302	3	
4	Mathematical Economics	ECO303	3	
5	Non-specialization elective IV	-	3	
Semester - 6				
		Course code	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	3	-
2	Applied Econometrics II	ECO344	4	
3	Major Issues in Pakistan's Economy	ECO403	3	
4	International Trade or International Economics	ECO466/ECO305	3	
5	Non-specialization elective V	-	3	
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Research Methods for Economics	ECO411	3	-
2	History of Economic Thought	ECO467	3	
3	Economics elective I	ECO-	3	
4	Economics elective II	ECO-	3	
5	Non-specialization elective VI	-	3	
6	Economics research project	ECO441	4	
Semester - 8				
		Course code	Credit hours	Pre-requisite
1	Contemporary Issues in Global Economics	ECO404	3	-
2	Economics elective III	ECO-	3	
3	Economics elective IV	ECO-	3	
4	Non-specialization elective VII	-	3	
5	Non-specialization elective VIII	-	3	

Note: Students are eligible to carry out their responsible citizen initiative (RCI)/social internships right after their 1st year of studies/2nd semester and should complete this mandatory graduation requirement by the end of their 3rd year of studies/6th semester.

Bachelor of Science (B.S.) Social Sciences and Liberal Arts program

Bachelor of Science (B.S.) Social Sciences and Liberal Arts program:

The BS in Social Sciences and Liberal Arts is a 4-year multidisciplinary undergraduate program with major offerings in Psychology, Political Science, and Media & Communication Studies. The program is designed to develop in students the theoretical, historical, and experiential knowledge they will need to engage with the social and cultural world. IBA recognizes that studying the social sciences today requires both disciplinary and interdisciplinary thinking, and that training in discipline-specific methods of research and analysis should always be grounded in a complex understanding of the communities, cities and nations we inhabit. To accomplish these goals, the program focuses on how students can use strategies and frames of analysis to understand and critique our increasingly interrelated economic, political, communal, cultural, and mediated lives.

Courses that comprise the Liberal Arts and Sciences component of the program, taken across all four years, introduce students to a range of academic disciplines including Philosophy, Literature, History, Visual Arts, Mathematics, Religion and Environmental Sciences. Through these courses, students will develop comprehensive foundational skills in both qualitative and quantitative thinking. The Culminating Experience in the final year of the program allows each student to carry out an original research project of their own. Students also choose a foreign language to study over a period of two semesters.



Curriculum structure

Duration	4 years
Semesters	8
Courses	39
Total credit hours	125

Required courses

Section	Courses category	Courses	Credit hours
A	University core courses	4	12
B	Non-specialization courses	7	23
C	Supporting courses	9	28
D	Social Sciences core	7	21
E	Major core + electives	10	31
F	Culminating Experience	2	10
	Total courses	39	125

A. University core courses

Course title	Course code	Credit hours
English Grammar & Composition	SSC101	3
Pakistan History	SSC151	3
Speech Communication	HUM201	3
Socioeconomic Philosophy of Islam (SEPI) or Philosophy, Logic and Ethics (PLE)*	SSC301 /HUM357	3

*All Muslim students are required to register for SEPI. Non-Muslim students may take either SEPI or PLE.

B. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Core (5)			
Calculus-I & Plane Geometry	MTS101	3	-
Introduction to Statistics	MTS102	3	-
Intermediate English Grammar and Composition	SSC106	3	SSC101
Foreign Language I	SSC201/205/209	4	-
Foreign Language II	SSC202/206/210	4	SSC201/205/209
Electives (2)**			
Non-specialization elective 1	-	-	-
Non-specialization elective 2	-	-	-

**NS Electives can be from the Humanities list or courses offered by other departments/for other programs

Note: All students must take both module (I & II) of the same language.

C. Supporting courses

Course title	Course code	Credit hours	Pre-requisite
Core (5)			
History of Ideas I	SSC239	3	-
History of Ideas II	SSC238	3	SSC239
South Asian History	SSC221	3	-
Statistical Inference	MTS202	3	MTS102
Computational Research Methods	SSC302	4	MTS202
Natural Science electives (1 from the following list)***			
History of Science	NSC351	3	-
Ideas of Physics	NSC352	3	-
Space, Time, and Space-Time	NSC353	3	-
Introduction to Environmental Sciences	NSC354	3	-
Principles of Ecology and Conservation	NSC355	3	-

C. Supporting courses *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Natural Science electives <i>(Contd...)</i>			
History of Evolution	NSC356	3	-
Introduction to Geology	NSC357	3	-
Sustainable Cities and Communities	NSC358	3	-
An Introduction to the Philosophy of Mathematics	HUM382	3	-
Are We Becoming Post-Human? Technology, Society, Ethics	HUM377	3	-
An Introduction to the Philosophy of Physics	NSC359	3	-
Climate Change and Us	NSC360	3	-
Visual Studies electives <i>(1 from the following list)***</i>			
Introduction to Visual Culture	HUM363	3	-
History of Art I: Classical Antiquity to the Middle Ages	HUM364	3	-
History of Art II: Renaissance to the Present	HUM365	3	-
Art of the Islamic World	HUM366	3	-
Theories of Design	HUM367	3	-
Colonial and Postcolonial Visual Cultures	HUM368	3	-
The Rhetoric of Architecture	HUM-	3	-
Empire and Vision: Between Production and Representation of South Asian Cities	HUM350	3	SSC216
Race, Class, and Gender in Film and Television	MCS353	3	SSC216
Watching Films	MCS359	3	SSC216
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
Screening the Body: Gender, Race and Nation in Visual Culture	HUM451	3	SSC216
Islamic Book Arts 1200-1800	HUM450	3	-
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Humanities electives <i>(2 from the following list)***</i>			
Great Books	HUM351	3	SSC106
Reading Poetry	HUM352	3	SSC106
Introduction to Drama	HUM353	3	SSC106

C. Supporting courses (contd...)

Course title	Course code	Credit hours	Pre-requisite
Humanities electives (contd...)			
Introduction to Urdu Literature	HUM354	3	SSC106
Anglo-Indian Narrative and the Postcolonial Subject	HUM355	3	SSC106
Foundation of Philosophical Thought	HUM356	3	-
Philosophy, Logic & Ethics	HUM357	3	-
Comparative Classical Philosophy	HUM358	3	-
Introduction to Comparative Religions	HUM359	3	-
Creative Writing	HUM360	3	-
Theater Project: The Living Newspaper	HUM361	3	-
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM381	3	SSC232, SSC221
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
From Ghalib to Bollywood	HUM370	3	-
History of Anthropological Thought	HUM372	3	SSC233
Are We Becoming Post-Human? Technology, Society, Ethics	HUM377	3	-
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM384	3	SSC232, SSC221
A History of the Cold War	HUM376	3	-
The Making of the Mughal Empire: An Intellectual and Cultural History	HUM369	3	SSC221
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
Introduction to Literary Modernism	HUM369	3	SSC106
Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction	HUM367	3	SSC106
An Introduction to the Philosophy of Mathematics	HUM382	3	-
A History of the Fable in its Greek, Arabic and Indic Traditions	HUM378	3	-
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
Don Quixote and its Andalusian Milieu	HUM379	3	-
Introduction to Linguistics	SSC235	3	-
Major Themes in World History	SSC121	3	-
Advanced English Composition	SSC213	3	SSC106
Political Philosophy	POL364	3	SSC217
Culture and Power in Human Societies	POL366	3	SSC217, SSC233
History of Political Thought	POL302	3	SSC217
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
History, Theory and Practice of Diplomacy	POL373	3	SSC217
Analyzing the News	MCS355	3	SSC216
Media, Law and Ethics	MCS352	3	SSC216

C. Supporting courses *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Humanities electives <i>(Contd...)</i>			
An Introduction to the Islamic Scholarly Tradition	HUM388	3	-
A Textual Introduction to Rumi	HUM385	3	-
Unearthly Things and Sad Destinies: An Introduction to Literary Theory	HUM386	3	-
Sufism: A Social, Political and Economic History	HUM387	3	-
Ethnographic Theory and Practice	HUM452	3	SSC231/SSC233
Journalism and Public Discourse	MCS371	3	SSC216
Pakistan's Foreign Policy	POL362	3	SSC217
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Gutenberg to Google: A Social History of Media	MCS302	3	SSC216

***Not all electives listed will be offered in any given academic year.

D. Social Sciences core courses

Course title	Course code	Credit hours	Pre-requisite
Fundamentals of Sociology	SSC231	3	-
Introduction to Historical Methods	SSC232	3	-
Introduction to Social and Cultural Anthropology	SSC233	3	-
Introduction to Urban Studies	SSC234	3	-
Culture, Media, & Society	SSC216	3	-
Introduction to Political Science	SSC217	3	-
Introduction to Psychology	SSC218	3	-

E. Major core + electives

Course title	Course code	Credit hours	Pre-requisite
Psychology			
Psychology core courses			
Research Methods in Psychology	PSY301	4	SSC218
Human Development	PSY302	3	SSC218
Introduction to Social Psychology	PSY351	3	SSC218
History and Systems of Psychology	PSY304	3	SSC218

E. Major core + electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Psychology			
Psychology Electives (6 from the following list)***			
Industrial and Organizational Psychology	PSY352	3	SSC218, PSY301
Media Psychology	PSY353	3	SSC216/218, MCS/PSY301
Cognitive Psychology	PSY359	3	SSC218, PSY301
Abnormal Psychology	PSY362	3	SSC218, PSY301
Cyber Psychology	PSY366	3	SSC218, PSY301
Personality Psychology	PSY367	3	SSC218, PSY301
Cross-Cultural Psychology	PSY372	3	SSC218, PSY301
Gender Psychology	PSY364	3	SSC218, PSY301
Experimental Psychology	PSY -	3	SSC218, PSY301
Criminal and Forensic Psychology	PSY -	3	SSC218, PSY301
Counseling Psychology	PSY365	3	SSC218, PSY301
Educational Psychology	PSY368	3	SSC218, PSY301
Clinical Psychology	PSY370	3	SSC218, PSY301
Physiological Psychology	PSY371	3	SSC218, PSY301
Positive Psychology	PSY369	3	SSC218, PSY301

Course title	Course code	Credit hours	Pre-requisite
Political Science			
Political Science core courses			
Research Methods in Political Science	POL301	4	SSC217
History of Political Thought	POL302	3	SSC217
Comparative Politics	POL303	3	SSC217
Political Systems and Political Regimes	POL402	3	SSC217
Political Science electives (6 from the following list)***			
Political Psychology	POL351	3	SSC217/218, POL/PSY301
Politics in Colonial and Post-Colonial Punjab	POL370	3	SSC217, POL301
Foreign Policy in China	POL352	3	SSC217, POL301
State and Society	POL353	3	SSC217, POL301
War: Conceptual Underpinnings	POL354	3	SSC217, POL301
Human Rights	POL355	3	SSC217, POL301
Environment and Politics	POL356	3	SSC217, POL301
Diplomacy in a Globalized World	POL357	3	SSC217, POL301

E. Major core + electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Political Science electives (Contd...)			
Islam and International Relations	POL358	3	SSC217, POL301
The Modern Middle East	POL359	3	SSC217, POL301
Theories of Democratic Transition	POL360	3	SSC217, POL301
Democracy and Difference	POL361	3	SSC217, POL301
Introduction to Foreign Policy Analysis	POL365	3	SSC217
Pakistan's Foreign Policy	POL362	3	SSC217
Political Philosophy	POL364	3	SSC217
Filthy Lucre: A Political History of Money	POL363	3	SSC217, POL301
Negotiation and Conflict Resolution	POL372	3	SSC217, POL301
Culture and Power in Human Societies	POL366	3	SSC217, POL301
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
Global Urbanisms	POL367	3	SSC217, POL301
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
A History of the Cold War	HUM376	3	-
Political Communication	MCS372	3	SSC216/217, POL/MCS301
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Community Planning and Development	POL374	3	SSC217, POL301
History, Theory and Practice of Diplomacy	POL373	3	SSC217
History of Decolonization	POL375	3	SSC217, POL301
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301

Course title	Course code	Credit hours	Pre-requisite
Media and Communication Studies			
Media and Communication Studies core courses			
Research Methods in Media and Communications	MCS301	4	SSC216
Gutenberg to Google: A Social History of Media	MCS302	3	SSC216
Theories of Media and Communications	MCS303	3	SSC216
Communication for Social Change	MCS401	3	SSC216

E. Major core + electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Media & Communication Studies electives (6 from the following list)***			
Media Psychology	PSY 353	3	SSC216/218, MCS/PSY301
Media and Post-colonialism	MCS351	3	SSC216, MCS301
Media, Law, and Ethics	MCS352	3	SSC216
Race, Class, and Gender in Film and Television	MCS353	3	SSC216
The International Newsroom	MCS354	3	SSC216
Analyzing the News	MCS355	3	SSC216
Introduction to Visual Communication	MCS356	3	SSC216
History of Commercial Art	MCS357	3	SSC216
Communication in Advertising	MCS358	3	SSC216
Watching Films	MCS359	3	SSC216
History of Film	MCS360	3	SSC216
The Non-Fiction Film	MCS361	3	SSC216
Introduction to Television Studies	MCS362	3	SSC216, MCS301
Television Newsmagazines and Documentaries	MCS363	3	SSC216, MCS301
Theories of Film and Television	MCS364	3	SSC216, MCS301
Narratives Across Media	MCS365	3	SSC216, MCS301
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Media Convergence and the Virtual Public Sphere	MCS367	3	SSC216, MCS301
Political Communication	MCS372	3	SSC216/217, POL/MCS301
Media Anthropology	MCS368	3	SSC216, MCS301
Journalism and Public Discourse	MCS371	3	SSC216
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216

***Not all electives listed will be offered in any given academic year.

F. Culminating experience

Course title	Course code	Credit hours	Pre-requisite
Culminating Experience - I	SSC491	4	PSY/MCS/POL301
Culminating Experience - II	SSC492	6	SSC491

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	English Grammar and Composition	SSC101	3	-
2	Calculus-I with Plane Geometry	MTS101	3	-
3	History of Ideas - I	SSC239	3	-
4	Fundamentals of Sociology	SSC231	3	-
5	Introduction to Historical Methods	SSC232	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Intermediate English Grammar and Composition	SSC106	3	SSC101
2	Introduction to Statistics	MTS102	3	-
3	History of Ideas - II	SSC238	3	SSC239
4	South Asian History	SSC221	3	-
5	Introduction to Psychology	SSC218	3	-
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Speech Communication	HUM201	3	-
2	Foreign Language - I	SSC201/205/209	4	-
3	Statistical Inference	MTS202	3	MTS102
4	Pakistan History	SSC151/222	3	-
5	Introduction to Social and Cultural Anthropology	SSC233	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Socioeconomic Philosophy of Islam or Philosophy, Logic & Ethics	SSC301/HUM357	3	-
2	Foreign Language II	SS202/206/210	4	SSC201/205/209
3	Introduction to Political Science	SSC217	3	-
4	Culture, Media, Society	SSC216	3	-
5	Introduction to Urban Studies	SSC234	3	-
Summer	6-week responsible citizen initiative - no credit			

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Major Core I	-	3	-
2	Major Core - II	-	3	-
3	Humanities elective - I	-	3	-
4	Natural Science elective	-	3	-
5	Computational Research Methods	SSC302	4	MTS202
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Major core - III	-	3	-
2	Major core - IV Research Methods	PSY/MCS/POL301	4	-
3	Major Elective - I	-	3	-
4	Non-specialization elective - I	-	3	-
5	Visual Studies elective	-	3	-
Summer	8-week summer research internship - no credit			
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Major elective - II	-	3	-
2	Major elective - III	-	3	-
3	Major elective - IV	-	3	-
4	Non-specialization elective - II	-	3	-
5	Culminating Experience - I	SSC491	4	PSY/MCS/POL301
	Semester - 8	Course code	Credit hours	Pre-requisite
1	Major elective - V	-	3	-
2	Major elective - VI	-	3	-
3	Humanities elective - II	-	3	-
4	Culminating Experience - II	SSC492	6	SSC491

Note:

- Students should complete their responsible citizen initiative after completing their 2nd semester at IBA, and must fulfill this graduation requirement before the end of their 6th semester.
- Students should engage their Social Sciences research internships during their 3rd summer of enrollment, i.e. after completing their 6th semester of the course work.

Student impressions

Maryam Baloch



**BBA Program
Batch of 2020**

My over all experience at IBA has been truly exhilarating. In just two years, I believe I have been able to enjoy the essence of IBA to its core. I made friends and I learned a lot from teachers and the management of IBA. IBA has exposed me to opportunities which are difficult to find elsewhere and has always backed me whenever I took steps forward in the right direction.

Hebah Essa



**B.S. Economics and Mathematics
Batch of 2018**

IBA was home since the day I walked in. Four years here have transformed me into a completely different individual. IBA has given me the opportunity to develop my leadership skills and become a team player. The societies and the social work that we do at IBA instills a sense of community in us. I feel proud to be a part of the IBA community and to have had the opportunity to represent IBA in competitions, globally. It made me an all rounder and gave me friends and a batch that became family.

Ameer Hamza



**B.S. Accounting and Finance
Batch of 2017**

"IBA helped me to develop into a versatile individual ready to face the world. I represented IBA at the Europe Model United Nations and Harvard World Model United Nations. I got the chance to compete with students of Harvard, Yale, LSE, Oxford, etc. and I managed to uphold IBA's name and was able to win the best delegate award. What IBA has given me will stay with me forever and I hope I am able to apply the values I have been taught at this prestigious institution to make a positive difference in society.

Hijab Fatima



**B.S. Computer Science
Batch of 2018**

Having graduated with a Bachelors of Computer Sciences degree from IBA has provided me a wide array of career options. I can not thank enough my professors who have instilled their knowledge upon us that will help me in all phases of my life. I will cherish the time and energy I spent in organizing events for the IBA that polished my managerial and interpersonal skills. In retrospect, I think I have made the best decision of choosing IBA over other.

Shayan Kodvavi



**B.S. Accounting and Finance
Batch of 2017**

I admit that IBA has prepared me for life. It taught me lessons that will stay with me forever and gave me friends that I could count on. I will be indebted to this institution for inculcating the sense of community and belonging. Being an alumnus, I wish to serve my alma mater.

Valieyah Ikram



**MBA Program
Batch of 2019**

IBA is like a home for me, a place where I learned skills required to progress in future. It gave me the opportunity to push my abilities. Be it academic or extracurricular, I am testing my newly acquired skills in different domains of life. It helped me to discover my potentials and enabled me to grow as a whole new person. I couldn't thank IBA enough for bringing the best out of me!

Graduate programs

- ◆ Master of Business Administration (MBA)
- ◆ Master of Business Administration (MBA) Executive
- ◆ Master of Science (M.S.) Computer Science
- ◆ Master of Science (M.S.) Economics
- ◆ Master of Science (M.S.) Mathematics
- ◆ Master of Science (M.S.) Islamic Banking and Finance
- ◆ Master of Science (M.S.) Management
- ◆ Master of Science (M.S.) Journalism



Master of Business Administration (MBA) program

Master of Business Administration (MBA) program:

The vision of the course is to make it a leading MBA program of choice in the region shaping businesses and societies. The mission of the MBA program at IBA is to contribute to business and socioeconomic development nationally, regionally, and globally. The program will help students to develop a range of analytical, conceptual, and operational skills that address the many challenges in industries. The program attracts talented students through a competitive process and facilitate their transformation into responsible business leaders. Our MBA graduates are trained to think critically and independently, and to work ethically and with integrity. The MBA faculty, using state of the art technologies and pedagogies, foster this learning environment through the creation, acquisition, dissemination, and application of new knowledge related to business administration.

Objectives:

1. Building business acumen and technical skills.
2. Developing qualitative and quantitative analytical abilities that lead to effective decision making.
3. Developing management and leadership competencies and behaviors, including teamwork, communication, drive for success, hard work, discipline and creativity.
4. Developing strategies for global thinking while remaining anchored in local socioeconomic and cultural realities, through the pedagogical use of local and international cases, experiential projects, international exchanges, and study tours.
5. Nurturing and fostering the spirit of enterprise.
6. Developing ethical and socially responsible business leaders.
7. Developing general management skills.

Outcomes:

IBA graduates demonstrate the abilities to:

1. Make well-informed decisions in various business and managerial situations that lead to ethically sound and profitable results.
2. Consider social and environmental issues and dilemmas when addressing business problems.
3. Exhibit strong interpersonal and teamwork skills.
4. Demonstrate excellent communication and computing skills to prepare and present reports for a range of purposes.
5. Use the knowledge they have gained to understand and resolve real-world business problems.
6. Understand complexities of strategic and operational level processes and organizational systems.
7. Plan and implement different business and functional proposals and agendas within the business organization.
8. Recognize and encourage social and cultural sensitivity and diversity within an organization.
9. Identify challenges and execute opportunities related to internationalization, globalization, emerging technologies and social media.
10. Consistently establish professional development and personal effectiveness goals to demonstrate creativity and innovation.



MBA learning goals:**Communication skills:**

- Speech: Coherent and clear delivery, time management and logical flow of ideas
- Presentation: Effective use of presentation tools and IT equipments
- Written: Logical and clear presentation of ideas
- Technical writing skills: Use of correct English Grammar and language
- Listening skills: Ability to accurately receive and interpret messages in the communication process

Knowledge of business discipline:

- Demonstrate an in depth knowledge and understanding of multiple business disciplines for Accounting, Finance, HR etc
- Understand and analyze the internal and external dynamics influencing business functions and ethical decision making
- Apply integrated knowledge of all business disciplines for problem solving and decision making.
- Demonstrate knowledge of basic leadership skills and competencies

Team skills:

- Understand and demonstrate ability to manage team building processes
- Sustains a committed working relationship with colleagues
- Question & challenge team members' assumptions constructively and productively with mutual respect
- Contributes workable ideas and research analysis to each other to enhance the quality of the final deliverable

Critical thinking:

- Demonstrate work ethics, intellectual curiosity, show alertness for anomalies and seek clarity and formulate questions
- Interpret data, to appraise evidence and evaluate arguments
- Reconstruct ones thought process through reflection
- Alertness to complex and systemic situations to generate alternate solutions

Glocal mindset:

- Ability of students to understand the influence of local business and political environment, culture, practices and economics
- Ability to recognize global values, norms, attitude, practices, trends, legal environment and behavior for business decision processes
- Recognizing host location's values, practices, constraints and cultural norms when making business decisions



Master of Business Administration (MBA) program

MBA morning:

The MBA Morning Program is offered at Main Campus. Specializations include Marketing, Finance, Human Resource Management and Supply Chain Management.

Minimum duration/credit hours:

24 months/72 Credit hours

Pre-requisites:

A minimum of 16 years of education (culminating in a master degree or equivalent) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA or 60% in last degree (whichever is applicable). Candidates with work experience will be preferred.

Program structure:

72 Credit hours including MBA Project. Summer Internship is mandatory.

MBA evening:

The MBA Evening Program is offered at City and Main Campuses. Specialization include Marketing, Finance, Human Resource Management and Supply Chain Management.

The duration of this program (Between 3.5 years to maximum 7 years) may vary depending on the capacity of the student to complete the course load during each semester.

Minimum duration/credit hours:

42 months/72 Credit hours

Pre-requisites:

A minimum of 16 years of education (culminating in a master degree or equivalent) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA or 60% in last degree (whichever is applicable). Candidates with work experience will be preferred.

Program structure:

72 Credit hours including MBA Project.

Program structure

Section	Course category	Course	Credit hours
A	Summer orientation program	-	-
B	Core courses	15	36
C	Capstone course (Corporate Strategy)	1	3
D	Experiential learning MBA project	2	6
E	Electives	9	27
Total credit hours		27	72

Process of admission at IBA

Submission of online application form

Collection of admit card

Aptitude test

Documents checking

Group discussions

Structured interviews

Payment of fee

Enrolment

MBA morning & evening curriculum	
Summer orientation program* Business Accounting Business Math and Statistics Business Economics Business Finance Business Communication Introduction to Marketing Excel & Access for Business Managers Business Management and Introduction to Case Method Personal Effectiveness and Communication Library Usage and Online Resources Utilization Workshops	8 weeks program

Semester I	Course code	Credit hours	Semester II	Course code	Credit hours
Business Finance I	FIN506	3	Accounting for Decision Making	ACC505	3
Financial Accounting and Information Systems	ACC506	3	Legal and Regulatory Environment of Business	LAW501	3
Managerial Economics	ECO501	3	Operations and Production Management	MGT510	3
Marketing Management	MKT501	3	Applied Business Research	MKT503	1.5
Organizational Behavior and Leadership	MGT557	3	Marketing Analytics	MKT507	1.5
Business Statistics	BUS502	2	Business Finance II	FIN507	3
Business Intelligence	BUS503	1	Macroeconomics	ECO507	1.5
			International Political Economy	ECO508	1.5
Total credit hours		18	Total credit hours		18

Summer internship (6-8 weeks)***

Semester III	Course code	Credit hours	Semester IV	Course code	Credit hours
Corporate Strategy **	MGT506	3	MBA project (core course)	PRJ701	3
MBA project (core course)	PRJ701	3	A minimum of five courses from electives		15
A minimum of four courses from electives		12			
Total credit hours		18	Total credit hours		18

*Mandatory for all students

**Corporate Strategy can only be taken after completion of all core courses

*** Mandatory for Non BBA background students

Note: MBA Morning students are required to complete their core courses in morning program.

MBA project:

Students in the second year are required to undertake a group project. The aim is to enable students to execute a challenging assignment within the real life business environment. The execution of the project not only helps students to develop problem-solving, interviewing and report writing skills, but also provides an opportunity for them to enhance their decision making, leadership and team building skills. The MBA Project also helps students in developing job-related networks that are important for their future. The outcome of the MBA Project is a

detailed implementation plan on some managerial and organizational problems. It also enhances the final year students' sense of contribution and achievement.

The MBA Project of the IBA gives organizations the opportunity to take advantage of the expertise and academic knowledge of bright and dynamic students of a premier business school in Pakistan for conducting primary and field research, analyzing the issue(s) organizations want to investigate, and coming up with cost-effective implementable solutions at no or barely minimal cost to the client organizations.



Assurance of learning and feedback system:

From Fall 2015, assurance of learning and feedback system has been implemented in the MBA program to enhance the performance of the students and quality of the program. Assurances of learning standards evaluate how well the school accomplishes the educational aims at the core of its activities. It is the systematic collection, review and use of information about the education program for the purpose of improving students learning and development. It is a systematic process for determining and revising degree program learning goals which includes designing, delivering, and improving degree program curricula to achieve learning goals.

AOL - assessment process:

Step 1: Establish learning goals and objectives

Step 2: Alignment of curricula with adopted goals

Step 3: Identification of assessment instruments and measures:

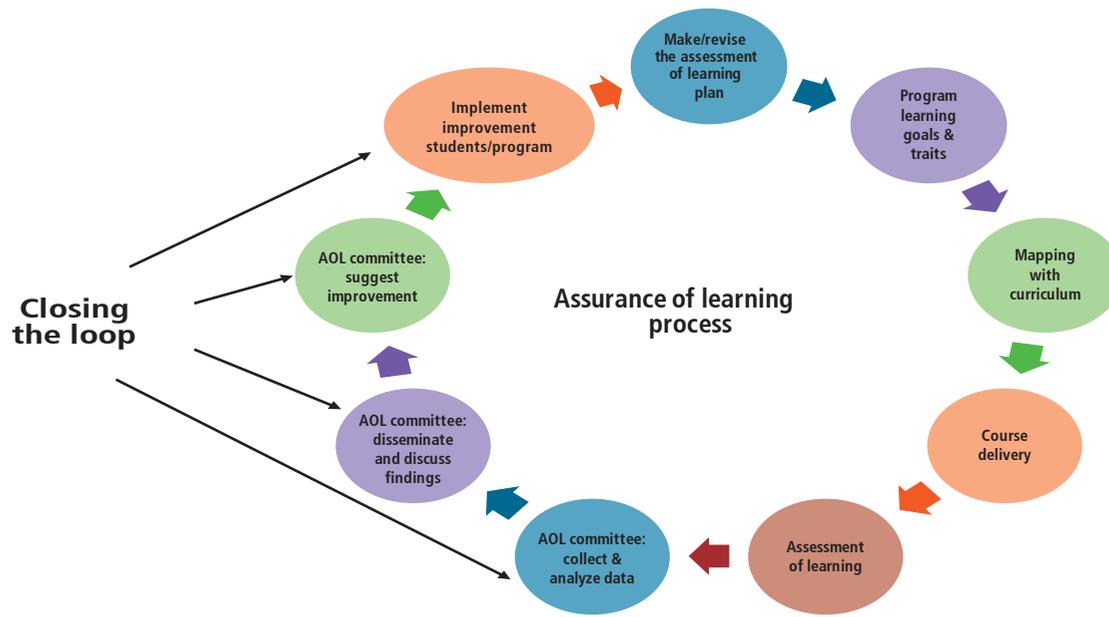
- During selection of MBA students: MBA test, group discussion, interviews
- Course-embedded measures: rubrics
- Demonstration through stand-alone testing or performance: comprehensive exam and final year MBA project

Step 4: Collection, analyzing and dissemination of assessment information

Step 5: Using assessment information for continuous improvement including documentation that the process is being carried out on an ongoing, systematic basis

AOL - feedback system:

Based on the findings of AOL data, individual student's performance assessment and feedback system has been developed to provide feedback on the individual student's performance in each course and semester. This system helps in identifying the weak areas and suggesting corrective measures to improve the performance of the student and quality of the program.



The IBA MBA Students have successfully completed project for the following client organizations:

S.No.	Title	Client organizations
1	Image Repositioning of Aladin Park (A. A. Joyland Pvt. Ltd.)	A. A. Joyland
2	Re-Launching Strategy for Similac Mom	Abbott Pharma
3	Business Feasibilities on Dates, Banana, Mango, Wheat & Livestock	Abraaj Group
4	Feasibility Report on Healthcare for Abraaj	Abraaj Group
5	Impact Investment in Primary Healthcare Karachi	Abraaj Group
6	Business Plan for Abudawood in Foods Industry	Abudawood
7	Development of Business Strategy for Adamjee Automotive (Pvt.) Ltd.	Adamjee Automotive
8	Optimization of Aga Khan University Hospital's MRI and CT Scan Procedures	Aga Khan University Hospital
9	Feasibility Study for the Aga Khan University Hospital (AKUH)	Aga Khan University Hospital
10	Strategic Analysis for the Underutilization of Cold Storage at Agility	Agility Logistics
11	Agility Logistic Pakistan Benchmarking Project	Agility Logistics
12	Alternative Distribution Channels for Al Meezan Investment Management Limited	Al Meezan Investment
13	An Analysis of the Mutual Fund Industry of Pakistan - Potential & Challenges	Al Meezan Investment
14	Amreli Steels: Brand Assessment	Amreli Steels
15	Implementing Sustainable Marketing Strategies (for New Product Launch at AMS Pakistan)	AMS Pakistan
16	Feasibility Study for Revenue Generation Avari Xpress Hotels	Avari Hotels
17	Bank Islami - Customer Awareness & Satisfaction	Bank Islami
18	Beam School Business Plan	Beam Dubai
19	C&M Management: Launching a new sub-division	C&M Management
20	Chevron Pakistan - Commercial & Industrial Sales Strategy	Chevron Pakistan
21	Solar Energy for Telecom Sector	CMPak ZONG
22	TUC - Feasibility Analysis for Launch of a new Flavor of Crackers	Continental Biscuits Ltd
23	Human Resource Restructuring at Dolmen Group	Dolmen Group
24	Market Research on New Ventures in Growing Up Powder Milk Category	Engro Foods Limited
25	Live Case on Engro Foods Retail Distribution	Engro Foods Limited
26	Domestic Polyethylene Pipe Market Analysis (Engro)	Engro Chemicals
27	Engro Fertilizers Limited Supply Chain Process Re-Engineering	Engro Fertilizers
28	International Grain Market Study for Engro Foods Limited	Engro Foods Limited
29	Engro Foods Limited Project MENA	Engro Foods Limited
30	Pre - Feasibility Study for Engro Foods Limited in the Waste to Energy Sector	Engro Foods Limited
31	Logistics Optimization and Supply Chain Feasibility for Engro Foods Limited	Engro Foods Limited
32	Exploratory Study of Halal Meat Processing Plant for Engro Foods Ltd.	Engro Foods Limited
33	Hospital Waste Management: A Study of the Current Scenario in Karachi	Engro Polymer & Chemicals
34	Understanding the Evolving Men Shaving Habits	Gillette Pakistan Limited
35	International Textile Limited: Lead Time Reduction of MJS Division	International Textile Limited
36	JS Bank: A Study of Consumer Preferences	JS Bank
37	Business Strategy for Junaid Jamshed's Kid's Apparel Brands Chotu & Kaliyaan	Junaid Jamshed
38	Junaid Jamshed (Pvt) Limited Brand Strategies for J.Ladies, Clothes	Junaid Jamshed

The IBA MBA Students have successfully completed project for the following client organizations:

S.No.	Title	Client organizations
39	Marketing Strategy for Junaid Jamshed (J. Kurta)	Junaid Jamshed
40	JWT Brand's Contribution Towards Change	JWT
41	KESC - Study for Improvement	KESC (K-Electric)
42	KGM Textile Feasibility Report	KGM Textile
43	Research Analysis for Freight Cost Reduction at LOTTE Pakistan	LOTTE Pakistan
44	Comprehensive Marketing Strategy for Lucky Cement	Lucky Cement
45	Marketing Strategy for Marie Stopes Society Pakistan	Marie Stopes Society Pakistan
46	Market Potential Analysis of Nutraceutical Market (Martin Dow)	Martin Dow
47	Market Feasibility Report for Rice Bran Oil	Matco Rice Processing
48	Devising Marketing Strategy - Capturing Maximum Market Share for MSC	Mediterranean Shipping Company
49	Memon Medical Institute Hospital: Marketing Strategy	Memon Medical Institute Hospital
50	Consumer Behavior of Cough Syrup (Merck)	MERCK
51	Employer Branding at Mobilink	Mobilink
52	Marketing Plan of CMFC for Sidat Hyder Morshed Associates	Morshed Associates
53	Mughal Foods	Mughal Foods
54	Business Plan for Split ACs at Orient Energy Systems (Private) Ltd.	Orient Energy Systems (Private) Ltd.
55	Marketing Communication Strategy for Ariel	P&G
56	Communication Strategy for P&G Hair Care Category	P&G
57	Pak Suzuki Motors Co. Ltd.	Pak Suzuki Motors Co. Ltd.
58	Brand Audit & Marketing Strategy for Pakistan Cables Limited	Pakistan Cables Limited
59	Report on Market Research of Soft Grade PVC in Pakistan (Pakistan Cables)	Pakistan Cables Limited
60	Pak-Kuwait Investment Company Comparative Study on Sources of Power Generation in Pakistan	Pak-Kuwait Investment Company
61	Marketing Strategy for PARCO in Lubricants Industry	PARCO
62	Wind Power in Pakistan (Pak-Arab Refinery PARCO)	Parco
63	Understanding Snack Food Consumption and Preferences of School Students in Karachi, Pakistan	Peak Freans EBM
64	Princely Jets - Aerial Firefighting	Princely Jets
65	Comprehensive Distribution Strategy for PSO in Lubricants	PSO
66	Retail Business Plan for Reckitt Benckiser Pakistan	Reckitt Benckiser Pakistan
67	Branding of Fresh Fruits in Pakistan	Roshan Enterprises
68	Shan Foods (Pvt) Ltd - Feasibility Study of Alternate Warehouse Location	Shan Foods
69	Silk Bank	Silk Bank
70	Market Research & Strategy for Easy Paisa	Telenor - Easy Paisa
71	Up Selling Telenor Data Services to SME Clients	Telenor Pakistan
72	Marketing Strategy for Thal Engineering	Thal Engineering
73	Feasibility Study for Online Grocery Shopping	Tohfay
74	Strategic Turnaround Business Model for Transfood Industries	Transfood Industries
75	Business Strategy for TRG: Market research, Recommendations and Critical Success Factors	TRG
76	Assisting with the Pre-Launch Campaign of UBL Foreign Currency Prepaid Visa Card	UBL

Master of Business Administration (MBA) program

Case method:

Cases are one of the popular and effective tools used in learning all around the world, especially at the graduate level. The case method allows students to experience real life situations, pressures and challenges, preparing them to become truly professional in their respective field of work. It is the best way to apply theory to practice and develop analytical, decision-making, application, writing, time management and creative skills. The management of IBA believes in maximizing the learning process.

Advising role:

MBA Program Office is the MBA students help centre and advisor. It counsels the students on academic issues such as selection of courses and teachers. It also provides an opportunity to discuss with students for their personal issues (such as managing stress related to academic and other problems). Its advising role includes:

- Academic and program reviews
- Tutor referrals
- Course selection
- Information about other resources



Some of the other roles of MBA office include:

Role in student activities:

Students who actively engage in the IBA activities will experience a first-hand sense of community service aimed at promoting a richer overall IBA experience. The office facilitates student involvement through their work with:

- Distinguished guest lecture series
- Seminars & conferences
- IBA-wide social events
- IBA club activities

Facilitating faculty & students:

Involvement:

To become directly get involved with the MBA program office, students can join the (MBAPO) Advisory Board. if they want to Advisory Board members will include both students and faculty, who will work to improve MBAPO services and provide critical input in shaping processes and policies and managing office tasks.

Career counseling:

IBA's educational approach is designed to help the students identify a field of interest, acquire the knowledge, skills and experience to excel in that field. The officer is to help the students find the right job in the right field with the right employer through:

- Supporting the students in their career development
- Aligning the needs of employers with the competencies of our graduates
- Organizing professional lectures, seminars, panel discussions and workshops on career development and related skills.

Required documents:

The following documents must be submitted at the time of group discussion/interview failing which enrolment will be liable to cancellation and fee shall not be refunded.

Attested copies:

- a. Secondary School Certificate/O'Levels Certificate with equivalency certificate
- b. Higher secondary school certificate/A'levels certificate with equivalency certificate
- c. Bachelor degree & transcript with equivalency certificate
- d. Master degree & transcript with equivalency certificate
- e. CNIC or birth certificate

Original documents:

- f. Migration Certificate: Issued by a Pakistani university/board last attended other than IBA (original migration certificate will not be returned back)
- g. Two recent passport size photographs duly attested by the concerned program office
- h. Work experience letters (where applicable)

Grading & evaluation:

The rules pertaining to grading and evaluation of courses in the MBA program are appended as under:

- The matrix on the right identifies in a comparative manner the particulars of the 'fixed' and 'relative' grading systems that are in use in the MBA program.
- The final percentage or final scores are not applicable in the relative grading system. A student's final score will determine his/her position and ranking in the class i.e. top 10% to 20%, middle 65% to 75%, lower middle 10% to 20%, and low 0% to 10% of the class. In a class size of 30 or less, relative grading will not be applicable. In the relative grading system, approximately 10% to 20% top 60% to 75% will receive B(+) or B grades, 10% to 20% will receive B(-), C (+), C, C(-) grades, and about 0% to 10% students will end up with an F grade. However, in the fixed grading system the grades assigned will depend on actual marks obtained by the student.

- A student with GPA 2.0 to 2.2 will be put on probation for the next semester. A student having less than 2.0 GPA is dropped from the rolls of the Institute forthwith & probation rules will be applicable on such students. Students with 50% of all their semester results in the lowest grade will require special mentoring and feedback sessions with the faculty, MBA director and the faculty mentors.
- Students can withdraw from the course according to IBA's withdrawal policy and will get a 'W' grade (however, it will not be counted as a deficiency). It is the choice of the faculty to decide which grading system they would like to apply. Any changes from normal bands (relative grading system) will need prior approval from Executive Director. MBA students performing extremely poor in MBA project can be assigned an "I" (incomplete grade). Such students will be assigned extra work by the MBA program office and the Director MBA program to overcome the incomplete grade. After completing the assigned extra work (small project or case study writing), a maximum "C-" grade can be assigned by the project or case writing supervisor. If a student fails to pass certain courses and yet manages to maintain a CGPA equal to or above 2.2, he/she will be allowed to repeat and clear the course(s) or substitute(s) wherever permissible, before the degree is awarded to him/her. The CGPA is computed at the end of each semester, including a summer term that a student might have enrolled in.

GPA requirement for award of MBA degrees:

An MBA Program student whose CGPA in the final semester is less than 2.2 but not below 2.0 shall also be required to repeat one semester of the lowest academic standing or certain courses in order to be eligible for the award of MBA degree. If the student improves the CGPA (minimum 2.2), degree shall be awarded (other conditions applicable), otherwise only a transcript of credits shall be issued.

Summer semester:

Students doing an internship during the summer semester are not allowed to register for an advanced credit or additional course. However, such students are allowed to remove deficiency in one course during the summer semester. Students not doing an internship can clear up to two deficiencies, or enroll for two advanced courses in the summer semester. Students may withdraw from one course during the summer semester. Withdrawal should be sought within a week after the announcement of the mid term examination result.

New elective - International Field Project course:

International field trips and study tours are popular forms of teaching and learning across the globe in the MBA Program. To give our MBA students exposure about the nature of globalization and global mindset, a new elective 'International Field Project course' has been offered from fall 2015. Comprised of faculty-led foreign and local trips, this course has been designed to enrich the curriculum and pedagogy at IBA. Both students and faculty advisors would add value in academics by bringing with them enhanced knowledge of best business practices followed around the world through visiting different international and multinational corporations, top universities, international organizations, factories, industries and cultural sites located in US, China, India, Malaysia, Singapore, UAE and Turkey; by participating in different cultural activities, conferences and seminars; and meeting leading business executives, managers, government officials and IBA alumni. Local field trips and study tours to various industrial sites, including Karachi, Hub, Nooriabad, Jamshoro, Lahore, Multan, Gujranwala, Sialkot, Faisalabad, Gujrat, Attock and Gadoon Amazai, would also be part of this course to give students understanding of different businesses and functioning of different organizations across Pakistan.

Grading matrix:

Relative grading:

Grade	Percentage	GPA
A	4.00 grade points	Approx. 10% - 20% students
A-	3.67 grade points	
B+	3.33 grade points	Approx. 65% - 75% students
B	3.00 grade points	
B-	2.67 grade points	Approx. 10% - 20% students
C+	2.33 grade points	
C	2.00 grade points	
C-	1.67 grade points	Approx. 0% - 10% students
F	0.00 grade points	
W	Withdraw from the course	
I	Incomplete grade	



Master of Business Administration (MBA) program

Work experience requirement for admission:

Work experience for admission to IBA's MBA program is preferred. Work experience comprises of post qualification work experience in multinationals, large domestic corporations, and large family business. For self employed and smaller family businesses the 'work evaluation committee' will decide if the experience is acceptable for admission to IBA. The work evaluation committee will comprise of a member of the admission committee, Director MBA program and an IBA alumnus with at least 10 years work experience.

Comprehensive examination:

Every student is required to pass a comprehensive examination on completion of all MBA courses. This examination tests the students' grasp of the total course offerings and provides them with an opportunity to recapitulate and integrate their knowledge prior to earning the MBA degree. The student is eligible for a transcript/degree only after passing the comprehensive examination. However, he/she may obtain a provisional certificate on completion of course requirement. The MBA Director is responsible for providing the comprehensive exam, evaluation of the exam copies and the final results. The controller of examination is responsible for conducting this exam. The four-hour examination is held after every regular semester. A maximum of three attempts are allowed to clear the examination. Students who fail to pass the comprehensive examination are eligible only for the individual course certificates.

Summer orientation/remedial programs:

Summer orientation/remedial program (SOP) for fall intake has been introduced for all newly admitted students of MBA. Summer/winter orientation program will set the tone and level of rigor for the entire MBA program. These programs are to make students familiar with the business courses, case method,

team building and ethics, norms and values of IBA. Spread on eight weeks, this program is mandatory for all MBA students, irrespective of their undergrad degree, to prepare them for the intensive and rigorous IBA MBA program. Attendance and successful completion of summer orientation program is prerequisite for admission in MBA program. If a student fails in exam or gets short of attendance in any course, that student will not be allowed to take respective MBA first semester course, instead he/she will be asked to take undergrad level course in that field or defer his/her admission and join summer orientation program next semester.

International exchange students:

This is a new effort of IBA to provide international exposure to its students in a foreign university. Under this program, a few students will be selected and exchanged with a well-known foreign university for one whole semester. This will help them to achieve the experience of learning in a foreign university environment, interact with people of different cultures and also learn about a different setup and system. This exercise will improve students' personal growth and will be helpful once they enter their professional lives.



General:

Both campuses of the IBA have spaces dedicated to the management of its various programs. The staff of the MBA program office is dedicated to providing students with the best possible educational environment. To this end, we strive to ensure that our students have the assistance that is essential to the MBA program through timely information flows, the establishment of a strong support network, and the encouragement of student involvement in IBA's life.

MBA program office:

The MBA Program Office is committed to being the best service unit of its kind, providing the highest levels of courtesy, responsiveness, and professionalism. Its major responsibilities include:

- Organizing pre-term
- Managing course registration
- Course scheduling
- Setting the academic calendar
- Maintaining student records
- Monitoring of students, Program requirements, majors, and waivers
- Course audits for degrees and graduation requirements
- Directing international programs
- Publishing primary sources of information
- Nominating resource persons and information guides
- Issuing class bulletins
- Maintaining program office website
- Issuing class bulletins
- Maintaining program office website

List of electives

Course title	Course code	Credit hours	Pre-requisite
Actg. Info. System with SAP	ACC507	3	-
Auditing Theory & Practice	ACC557	3	-
IFRS & Financial Reporting in Pakistan	ACC559	3	-
Analysis of Financial Statements	ACC561	3	ACC501
Project Evaluation & Financing	ACC589	3	ACC501
Business Analytics	BUS501	1.5	-
International Field Project Course	BUS551	3	-
Introduction to Ethics and Moral Philosophy	BUS553	3	-
Corporate Governance & Practices in Pakistan	LAW553	3	-
Development Economics and Issues in Pakistan Economy	ECO530	3	ECO531, ECO532
International Trade	ECO539	3	ECO531
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531, ECO501
Environmental and Resource Economics	ECO561	3	ECO501
Financial Economics	ECO562	3	-
Monetary Economics	ECO566	3	-
Water Economics and Policy	ECO574	3	ECO501, ECO531
Microeconomics of Policy Analysis	ECO575	3	ECO501, ECO531
Financial Intermediation	FIN531	3	-
Advance Credit Management	FIN532	3	-
Financial System – process, players, status and prognosis	FIN533	3	-
The Strategic Management of Banks	FIN541	3	-
International Finance	FIN551	3	FIN507
International Financial Management	FIN552	3	ECO501, FIN507
Investment Banking & Financial Services	FIN554	3	FIN507
Security Analysis & Capital Markets	FIN556	3	FIN507
Regulation & Financial Markets	FIN558	3	FIN507
Islamic Banking & Finance	FIN570	3	-
Advanced Corporate Finance	FIN560	3	FIN507
Advanced Portfolio Management	FIN563	3	FIN 507
Treasury and Fund Management	FIN565	3	FIN507
Risk Management	FIN567	3	FIN507

List of electives (contd...)

Course title	Course code	Credit hours	Pre-requisite
Derivatives & Risk Hedging	FIN568	3	FIN507
Financial Econometrics	FIN569	3	MTS506/FIN507
Financial Modeling	FIN574	3	FIN507
Seminar in Finance	FIN577	3	FIN507
Fixed Income Securities	FIN594	3	-
Entrepreneurial Management	MGT507	3	-
Strategic Human Resource Management	MGT512	3	-
Business Strategy	MGT513	3	-
Strategic Management	MGT552	3	-
Project Management	MGT555	3	-
Competitive Strategy From a Customer's Perspective	MGT556	1.5	-
International Market Entry Strategies	MGT558	3	-
Technology Innovation Management and Design	MGT561	3	-
Recruitment and Selection Techniques	HRM530	3	-
Organizational Development	HRM552	3	-
Team Management	HRM557	3	-
Leading the Change Process	HRM558	3	-
Performance and Compensation Management	HRM562	3	-
Training and Development	HRM571	3	-
Branding and Creative Corporate Communication	MKT506	1.5	-
Advertising	MKT551	3	MKT 501
Consumer Behavior	MKT552	3	-
Social Marketing	MKT556	3	MKT501
Customer Ascendancy	MKT558	3	MKT 501
Supply Chain Management	MKT559	3	MKT501
Brand Management	MKT561	3	MKT501
Media Management	MKT566	3	MKT 501
Social Media Marketing	MKT569	3	-
Markstrat	MKT573	1.5	-
Retailing	MKT586	3	MKT 501
Personal Selling	MKT651	3	MKT501

List of electives *(contd...)*

Course title	Course code	Credit hours	Pre-requisite
Sales Management	MKT653	3	MKT501
Services Marketing	MKT656	3	MKT501
Strategic Marketing	MKT657	3	MKT501
Business to Business Marketing	MKT658	3	MKT501
Global Marketing Management	MKT659	3	MKT 501
Strategic Sourcing & Negotiation Skills	MKT571	3	-
Dynamic Distribution & Logistics	MKT557	3	-
Strategic Sourcing & Procurement	MKT570	1.5	-



Master of Business Administration (MBA) Executive program

Master of Business Administration (MBA) Executive program:

The vision of this program is to become the centre of excellence for professionals who are desirous to acquire applied knowledge in business administration. Its mission is to develop a cadre of professionals set to assume, senior leadership positions in all formats of business, industry and public services for the local and international markets.

This flagship degree program offers a unique opportunity for the in-service professionals to enrich their knowledge and skills without sacrificing their job commitment and earning stream. This weekend qualification presents a fast track route to the masters in Business Administration Executive from the prestigious IBA.

MBA Executive degree is more suitable for the professionals aiming to acquire leadership role and moving towards the highest levels of the corporate ladder especially under C-suite (CEO, CFO, COO etc.) or an entrepreneurial role. The program format, courses, methodology and contents are developed in consultation with leading experts and worthy faculty members.



Advantage of MBA Executive program:

Intellectual powerhouse:

- **Brilliant cohort:** Program participants represent more than 100 corporate entities from diverse sectors. They bring update knowledge and expertise to form an Intellectual Powerhouse.
- **Diversity:** Unique blend of participants; aging between 25 to 50 years with different academic and professional background and rich experience bring unmatched diversity to this program.
- **Star performers:** Program alumni make their marks in every field. Not only at workplace but at International conferences. Four of them have joined the reputable IBA visiting faculty group.
- **Peer learning:** Besides learned resource persons from industry/academia, applied pedagogy and excellent environment, additional value comes through peer to peer learning at the campus.
- **Guest speaker sessions:** Industry icon and subject experts are invited to share their knowledge and expertise. This also provides an opportunity to meet and network with industry leaders.
- **Knowledge reservoir:** Program participants generate quality reports/ analysis that are available at MBA Executive website. Further, over 400 research reports, duly graded, are available in the library.

Unique features:

- **Concurrent recognition:** Senior/middle level executives are joining this program and as they grow intellectually, they are instantaneously recognized and rewarded by the corporate world.
- **Networking:** Participants spend their whole weekend at IBA thus find ample opportunities to interact with other participants at alumni Centre, library, prayer hall and even at corridors.
- **Batch intact:** Our planned course offering keeps every batch

intact. Participant study their core courses with their batch mates, form joint study group, and develop long term comradery.

- **Alumni:** Upon successful completion participants will join the prestigious IBA alumni club comprising 10,000 highly successful executives, serving at local/international organizations.
- **Extra-curricular activities:** Various activities such as cricket matches, networking lunches/breakfasts and picnic etc. are regularly arranged. These activities ensure that participants make contribution not only in academic front but also outside the academic environment.
- **One window facilitation:** MBA Executive service centre offers all services at one point, thus participant are not required to visit different offices/departments for their needs.



The Program:

- Fast track: Keeping in view the busy schedule of C-suite professionals, program’s duration is reduced to two years. However, depending on their choice they can expand it to 5 years.
- Program format: MBA Executive is a 72 credit hour program covering, 14 core and 8 electives. In addition they have to do an individual research project and clear the comprehensive exam.
- Structured route: An embryonic course plan is devised and followed. Participants have to take core courses in the prescribed sequence and exercise their choice only for elective courses.
- Challenging research project: Participants face a unique challenge, as they are required to do a research project individually, from topic approval to defending the report before IBA panel.
- Excellent environment and state of the art facilities: All MBA Executive learning activities are centered at the world class IBA main & city campus, most convenient and suitable for executives

The process:

- Entry criteria - academic: minimum 16 year education out of which 4 years at HEC recognized University/ Institute, with a minimum CGPA of 2.5 on a scale of 4 or first division that is 60%.
- Mandatory work experience: Preferably five but not less than three years post qualification experience. Due weightage be given to; International assignments and multi-city responsibilities.
- Refresher: Executives returning to University after a gap, may need to attune themselves with the changed learning process. For them, a Refresher Course is conducted in every semester.
- Counseling: IBA offer constant guidance and support to the program participants as well as to those who wish to join the program. This process is available even after their graduation.
- Three inductions per year: Since 2009, IBA is admitting a new batch after every four month. This ensures assembly of over 300 executives at the campus on every weekend.

MBA Executive business project:

It is a challenging but highly rewarding experience. Under MBA Executive program it is mandatory that every participant carry an independent project. As per IBA grading plan, research project is equal to two courses of three credit hours. It is a great

opportunity to display talent by conducting research and practicing writing skills. The technical knowledge, obtained through this project is highly effective in both personal and professional lives of students.

Comprehensive examination:

Every participant is required to pass a comprehensive examination on completion of all courses. This examination tests the grasp of the total course offerings and provides an opportunity to recapitulate and integrate their knowledge prior to earning the MBA degree.

Dynamic digital resources:

Dynamic webpage/Facebook.: To provide detailed information and to relay timely information IBA maintain a dynamic website and Facebook page in addition to bulk SMS and emailing notification.

IBA corporate leaders advisory board (ICLAB):

The management of IBA believes in creating meaningful collaboration between the industry and academia, so that all our programs are reflective of their true aspiration and needs. In order to ensure regular interaction with the corporate leaders a high level advisory board has been formed.



Required courses

Section	Course category	Courses	Credit hours
A	Core Courses	13	39
B	Capstone course (Corporate Strategy)	1	3
C	Research Project (Equal to two courses)	2	6
D	Electives	8	24
Total credit hours		24	72



A. Core courses:

Semester 1	Course code
Managerial Communication	MGT503
Quantitative Methods for Decision Making	MTS506
Managerial Economics	ECO501
Semester 2	Course code
Marketing Management	MKT501
Financial Accounting & Information System	ACC506
Legal & Regulatory Environment of Business	LAW501
Elective-I	
Semester 3	Course code
Advanced & Applied Business Research	MKT505
Business Finance I	FIN506
Operation and Production Management	MGT510
Elective - II	
Semester 4	Course code
Business Finance II	FIN507
Organizational Behavior and Leadership	MGT557
Global Economics & Political Environment	ECO517
Elective - III	-
Semester 5	Course code
Accounting for Decision Making	ACC505
Corporate Strategy	MGT541
Research Project part-I	-
Elective - IV	-
Semester 6	Course code
Research Project Part-II	-
Elective V	-
Elective VI	-
Elective VII	-
Elective VIII	-

List of electives

Course title	Course code
Business Analytics & Decision Making	BUS500
Issues in Pakistan Economy	ECO544
Advance Corporate Finance	FIN501
Treasury and Financial Derivatives	FIN535
Corporate Investment Banking	FIN536
Islamic Finance	FIN559
Advance Portfolio Management	FIN563
Risk Management	FIN567
Financial Modeling	FIN574
Recruitment & Selection Techniques	HRM530
Leading the Change Process	HRM558
Performance and Compensation Management	HRM562
Training & Development	HRM571
Corporate Governance & Practices in Pakistan	LAW553
Mobile Marketing Strategy	MIS553
Advertising	MKT551
Entrepreneurial Management	MKT553
Dynamics of Distribution & Logistics	MKT557
Supply Chain Management	MKT559
Brand Management	MKT561
Digital Marketing	MKT563
Integrated Marketing Management	MKT564
Social Media Marketing	MKT569
Strategic Sourcing & Negotiation Skills	MKT571
Retailing	MKT586
Branding & Creative Corporate Communication	MKT506
Services Marketing	MKT656
B2B Marketing	MKT658
Global Marketing Management	MKT659
Strategic Human Resource Management	MGT512
Project Evaluation & Management	MGT531
Alternate Management	MGT560
Analysis of Financial Statements	ACC561

Further elective can be included on the basis of industry demand and participants' requirements.



MBA Executive - Academic Plan 2018 - 19

Summer semester 2018 (April - August)

Month	Sessions	Saturday	Sunday
April	1	Apr. 21	Apr. 22
	2	Apr. 28	Apr. 29
May	3	May. 5	May. 6
	4	May. 12	May. 13
	5-A	May. 19	May. 20
	5-B	May. 26	May. 27
June	6-A	Jun. 2	Jun. 3
	6-B	Jun. 9	Jun. 10
	Mid term exams	Jun. 23	Jun. 24
July	7	Jun. 30	Jul. 1
	8	Jul. 7	Jul. 8
	9	Jul. 14	Jul. 15
	10	Jul. 21	Jul. 22
	11	Jul. 28	Jul. 29
August	12	Aug. 4	Aug. 5
Final exams		Aug 11 - 26	

Spring semester 2019 (December 2018 - April 2019)

Month	Sessions	Saturday	Sunday
December	1	Dec. 29	Dec. 30
January	2	Jan. 05	Jan. 06
	3	Jan. 12	Jan. 13
	4	Jan. 19	Jan. 20
	5	Jan. 26	Jan. 27
February	6	Feb. 02	Feb. 03
	Mid term exams	Feb. 09	Feb. 10
	7	Feb. 16	Feb. 17
	8	Feb. 23	Feb. 24
March	9	Mar. 02	Mar. 03
	10	Mar. 09	Mar. 10
	11	Mar. 16	Mar. 17
	12	Mar. 23	Mar. 24
April	Final exams	Apr 6 - 14	

Summer semester 2019 (April - August)

Month	Sessions	Saturday	Sunday
April	1	Apr. 27	Apr. 28
May	2	May. 04	May. 05
	3-A	May. 11	May. 12
	3-B	May. 18	May. 19
	4-A	May. 25	May. 26
June	4-B	Jun. 01	Jun. 02
	5	Jun. 08	Jun. 09
	6	Jun. 15	Jun. 16
	Mid term exams	Jun. 22	Jun. 23
July	7	Jun. 29	Jun. 30
	8	Jul. 06	Jul. 07
	9	Jul. 13	Jul. 14
	10	Jul. 20	Jul. 21
	11	Jul. 27	Jul. 28
Aug	12	Aug. 03	Aug. 04
Final exams		Aug 17 - 25	

Fall semester 2018 (September - December)

Month	Sessions	Saturday	Sunday
September	1	Sep. 01	Sep. 02
	2	Sep. 08	Sep. 09
	3	Sep. 15	Sep. 16
	4	Sep. 22	Sep. 23
	5	Sep. 29	Sep. 30
October	6	Oct. 06	Oct. 07
	Mid term exams	Oct. 13	Oct. 14
November	7	Oct. 20	Oct. 21
	8	Oct. 27	Oct. 28
	9	Nov. 03	Nov. 04
	10	Nov. 10	Nov. 11
	11	Nov. 17	Nov. 18
December	12	Nov. 24	Nov. 25
Final exams		Dec 8 - 16	

Majority of MBA participants are creating value in the following organizations:

S.No.	Organization
1	A.F.Ferguson & Company - PWC Pakistan
2	Abbott Pakistan
3	Abudawood Trading Co. Pakistan (Pvt) Ltd
4	Access Group
5	ACE Insurance Limited
6	Aga Khan University
7	AGP Pharma (Pvt.) Limited
8	Agri Auto Industry Limited
9	Air Weapons Complex
10	AKD Securities Limited
11	Akzonobel Pakistan Limited
12	Al Meezan Investment Management Ltd.
13	Allied Bank Limited
14	Almas Jewelers
15	AL-NOOR MDFB Division
16	Apparel Manufacturing (Pvt.) Limited
17	Armtech Business Solutions
18	Artistic Milliners (Pvt.) Limited
19	Asia Petroleum Limited
20	Atlas Honda Limited
21	Attock Petroleum Limited
22	Augere Pakistan (Pvt) Limited
23	Bank Al Habib Limited
24	Bank Alfalah Limited
25	Bank Islami Limited
26	Barclays Bank Plc
27	Barrett Hodgson Pakistan (Pvt.) Limited
28	Bayer Pakistan (Pvt) Ltd
29	Burj Bank Limited
30	CIBE, CANADA
31	Cisco Systems, Inc. Middle East
32	Civil Aviation Authority
33	Coats Pakistan
34	Crack & Grow (Pvt) Limited
35	DHL Pakistan Express
36	Dow University of Health Sciences.
37	DP World - Qasim Int I Container Terminal

S.No.	Organization
38	Dubai Islamic Bank Pakistan Ltd
39	Elli Lilly and Company
40	Emirates Pakistan
41	EMPACT Activation Services (Pvt.) Limited
42	English Biscuit Manufacturers
43	Engro Corporation
44	Engro Foods Limited
45	Engro Polymer & Chemical Limited
46	ENI Pakistan Limited
47	Ernst & Young
48	Fauji Fertilizer Company Limited
49	Fauji Oil Terminal and Distribution Co. Ltd
50	Faysal Bank Limited
51	Federal Board of Revenue
52	Federal Urdu University of Arts, Sci. & Tech.
53	First Women Bank Limited
54	GASCO Engineering (Pvt) Limited
55	Gatroom Industries Limited
56	Geo Group
57	Getz Pharma
58	Ghandhara Nissan Limited
59	Glaxosmithkline Pakistan
60	Government of Pakistan
61	Government of Sindh
62	Gul Ahmed Textile Mills
63	Habib Bank Limited
64	Habib Metro Pakistan (Pvt.) Limited
65	Habib Metropolitan Bank Limited
66	Habib Modaraba
67	House of Habib
68	HSBC
69	Huawei
70	IFFCO Pakistan (Pvt.) Limited
71	Indus Motor Company Limited
72	International Industries Limited
73	International Steels Limited
74	ITIMS Systems (Pvt.) Limited

S.No.	Organization
75	JS Global Capital Limited
76	Juiblee Life Insurance Company
77	KALSOFT Limited
78	Karachi Shipyard & Engineering works
79	Karachi Stock Exchange
80	KASB Group
81	K-Electric Limited
82	Lakson Tobacco Company Limited
83	Lotte - Pakistan PTA Limited
84	Marie Stopes Society
85	Mazik Global
86	MCB Bank Limited
87	Meezan Bank Limited
88	Midas Safety
89	Minsistry of Education
90	Mobilink
91	NADRA
92	National Accountability Bureau
93	National Foods
94	National Insurance Company
95	National Refinery Limited
96	NED University of Engineering & Technology.
97	NIB Bank
98	Novartis Pharma Pakistan Limited
99	Pak Oman Investment Company
100	Pak Suzuki Motor Company Limited
101	Pakistan Air Force
102	Pakistan Army
103	Pakistan Gems & Jewellery Development Co.
104	Pakistan International Airlines
105	Pakistan Navy
106	Pakistan Petroleum Limited
107	Pakistan State Oil
108	Pakistan Telecommunication Company Ltd.
109	PARCO
110	Pakistan Refinery Limited
111	Paxar Pakistan (Pvt.) Ltd. - An Avery Dennison Co.

Majority of MBA participants are creating value in the following organizations: (Contd...)

S.No.	Organization
112	Philips Morris (Pakistan) Limited
113	Proctor & Gamble Pakistan
114	Red Line Communications - Canada
115	Repharm Services
116	RIAA LAW - Advocates & Corporate Counsellors
117	Roche Pakistan Limited
118	Sanofi Aventis Pakistan Limited
119	Securities & Exchange Commission of Pakistan
120	Shaheen Engineering & Aircraft Maint. Service
121	Shan Foods (Pvt) Limited
122	Shell Pakistan Limited
123	SIEMENS Pakistan Engineering Limited
124	Silkbank Limited
125	Sir Syed University of Engineering & Tech.

S.No.	Organization
126	Standard Chartered Bank
127	State Bank of Pakistan
128	Sui Southern Gas Company Limited
129	SUPARCO
130	Tameer Microfinance
131	Telenor Pakistan Limited
132	Tetra Pak Pakistan
133	The Bank of Khyber
134	The Education Enrichment Foundation
135	The Hubco Power Company Limited
136	The Indus Hospital
137	Tradekey (Pvt) Limited
138	Tripack Films Limited
139	Tuwairqi Steel Mills Limited

S.No.	Organization
140	UBL Funds Managers
141	Ufone
142	Unilever Pakistan Limited
143	United Bank Limited
144	United Energy Pakistan
145	University of Karachi.
146	URIL (Dawlance Group Of Companies)
147	Wi-Tribe Pakistan
148	Young's Foods (Pvt.) Limited
149	Yunus Textile Mills Limited
150	Ziauddin University
151	Zong Telecom



List of guest speakers during 2017-18

S.No.	Title	Course name/Area of specialization
1	Mr Sanjeev Gathani, Certified Fraud Examiner, Singapore.	Entrepreneurial Management
2	Mr. Fahad Younus, Chief Financial Officer, Khaadi	Business Finance - II
3	Mr. Abdul Basit, Head of Internal Audit, Indus Hospital	Business Finance - II
4	Dr Zeeshan Ahmed, Associate Professor, KSBL	Managerial Economics
5	Mr. Mirza Saadullah Baig, Senior Manager Supply Chain J. Collection	Supply Chain Management
6	Mr. Asad Ahmed, Senior Brand Manager, GSK	Brand Management
7	Mr. Ali Imran Qadri, Procurement Specialist, Sindh Reform Support Unit, GoS.	Supply Chain Management
8	Mr. Abbas Alam, Chief Strategy Officer, Mullen, Lowe and Rauf	Managerial Communication
9	Mr. Khurram Shafique, Author and Scholar	Managerial Communication
10	Ms Neha Iqbal, Brand Manager, English Biscuit Manufacturers	Consumer Behavior
11	Ms Uzma Khan, Head of Media, Unilever	Consumer Behavior
12	Mr. Ammar Hassan, Country Consultant, Olix	Advertising
13	Mr. Ashar Hussain, CFO, Bank Al-Habib	Business Finance - II
14	Mr. Mahmood Alam, Managing Director, Bentham Science Publisher	Business Finance - II
15	Dr. Muhammad Ali Abbasi, Senior Director, Medical & Health Services, KMC	Business Finance - II
16	Mr. Rafay Farooqi, Senior Manager, Planning OMD	Advertising
17	Mr. Rao Abdul Rab, Finance Director, Reckitt Benckiser	Business Finance - II
18	Mr. Muzaffar Jafri, Senior Director Commercial, Hiltion Pharma	Sales Management
19	Mr. Ali Malik, Senior Manager, Planning Adcom New Burntt	Advertising
20	Mr. Asif Misbah, Managing Director Hilton Pharma	Sales Management
21	Mr. Ovais Ilyas, Business Manager, Mind Shares	Advertising
22	Mr. Fahad Ashraf, Director Marketing, Reckitt Benckiser	Global Marketing Management
23	Mr. Shabbir Kazmi,	Business Finance - II
24	Mr. Mir M. Ali, EX CEO, UBL Funds Management	Marketing Management
25	Mr. Sayem Ali, Director & Head of Sales, Standard Chartered Bank	Business Finance - II
26	Mr. Arij Awais, Brand Manager, Mondleez	Consumer Behavior
27	Mr. Aizaz Imtiaz, General Manager, Corporate Affairs, Geo TV Network	MS - Word Workshop/MS PowerPoint

List of events (2017-18)

S.No.	Title	Objectives
1	Networking Lunch	To develop networking among participants
2	Seminar Agribusiness Financing - the Way Forward	Corporate Seminar
3	Networking Lunch	To develop networking among participants
4	Social Driver - 2017	A CSR effort to help deserving community of IBA
5	Haleem Buffet	Get together and Highlighting the life of Hazrat Imam Hussain (RA)

Master of Science (M.S.) Computer Science program

Master of Science (M.S.) Computer Science program:

The Department of Computer Science (FCS) is an exciting place to learn about the latest developments in the area of Computer Science as well as to perform research with a high social impact. The M.S. program at the FCS enjoys the advantages of a rich set of courses available at both the M.S. as well as Ph.D. level. From 2014 the M.S. Program is being offered as a full time morning program along with existing evening counterpart. The M.S. program comprises 6 tracks, each completely aimed at a particular field of specialization. The diverse backgrounds of students that come from various fields of study into this MS program, require a customized and tailored approach towards building the relevant fundamentals for each track. Moreover, the curriculum has been designed so that it is on a par with IEEE/ACM guidelines. This ensures that the tracks do not lose relevance in the wake of the rapidly changing landscape of computing technologies. The potential of this program, in terms of imparting useful advanced computing skills and professional growth, is measured by the readiness of the job market and advanced learning schools, in absorbing graduates. This measure has always been quite high; amongst other factors, the curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently. The M.S. program has two basic categories, M.S. with thesis, and M.S. without thesis.

The Master of Science (M.S.) Computer Science program is of 30 credit hours with a thesis or research survey option. For those students who opt for thesis, 24 credit hours of course work, 3 credit hours of Research Survey and 3 credit hours of thesis work are required. For students opting for course work only, 27 credit hours of course work along with 3 credit hours of research survey is required. The research survey course must be taken after students have completed 18 credits and must be supervised by an approved faculty member. The course work may be taken from multiple specialization tracks and a student

Required courses

M.S. Computer Science has 6 tracks, each with a different set of Pre-req (foundation) courses

		M.S. with thesis		M.S. without thesis	
S. No.	Courses category	Courses	Credit hours	Courses	Credit hours
A	CS electives	8	24	9	27
B	Research survey	Equivalent to 1 course	3	Equivalent to 1 course	3
C	Research work	Equivalent to 1 course	3	0	0
Total		10	30	10	30

For further details, see the IBA admission policy

For more details please visit <http://cs.iba.edu.pk>

would be required to take courses from at least two tracks. Specialization tracks include Net-Centric Computing, Human Computer Interaction, Software Engineering, Intelligent Systems, Information Management, and Theoretical Computer Science. Within a specialization track a minimum of 2 to a maximum of 4 courses may be taken. Each track has their own set of pre-requisites which are usually BS level Computer Science courses. M.S. students may also take courses at the Ph.D. (600) level for credit.

The key-objectives of the MSCS program are:

- Offer maximum curriculum flexibility in order to enable students to engineer their education towards their ambitions and goals in their computing professions.
- Facilitate job promotion for students, from mid-level IT positions to senior level positions, by adding to their skills and academic qualifications.
- Empower students with skills required to address modern computing challenges of their respective organizations.
- Expose students to qualified faculty with international recognition, and encourage them to undertake research that may potentially lead to doctoral work.



List of specialization tracks

Tracks	Specialization	Pre-requisite
1	Net-Centric Computing (Track-NCC)	One course in Operating Systems and Data Communication or Computer Communication
2	Human Computer Interaction (Track-HCI)	One course in Software Engineering and Web Development or Mobile App Development
3	Software Engineering (Track-SE)	One course in Object Oriented Programming and Software Engineering
4	Intelligent Systems (Track-IS)	One course in Artificial Intelligence, Programming and Statistics
5	Information Management (Track-IM)	One course in Database Systems and Software Engineering
6	Theoretical Computer Science (Track-TCS)	One course in Operating Systems, Computer Architecture and Data Structures or Algorithms

List of M.S. Computer Science courses

Course title	Course code	Credit hours	Pre-requisite	Pre-requisite
Software Project Management	CSE503	3	-	Track-SE
Data Mining	CSE505	3	CSE307	Track-IS
Pattern Recognition	CSE554	3	-	Track-IS
Image Processing for Recognition	CSE556	3	CSE559	Track-IS
Image Processing	CSE559	3	-	Track-IS
Algorithms	CSE560	3	-	Track-TCS
Software Systems Engineering	CSE564	3	CSE142	Track-SE
Software Quality Assurance	CSE566	3	-	Track-SE
Requirements Engineering	CSE567	3	-	Track-SE
Introduction To Data Science	CSE568	3	CSE307 and MTS102	Track-IS
Natural Language Processing	CSE574	3	-	Track-IS
Advanced Human Computer Interaction	CSE575	3	-	Track-HCI
Usability Engineering	CSE576	3	-	Track-HCI
GUI Design	CSE578	3	-	Track-HCI
MS Research Survey	CSE690	3	-	N/A
MS Thesis	CSE699	3	-	N/A
Advanced Computer Networks	ICT511	3	-	Track-NCC
Advanced Web Technologies	ICT512	3	-	Track-SE
RFID Technologies	ICT556	3	-	Track-NCC

List of M.S. Computer Science courses (Contd...)

Course title	Course code	Credit hours	Pre-requisite	Pre-requisite
Operations And Technology Management	MIS502	3	-	Track-IM
Enterprise Integration	MIS503	3	-	Track-IM
Information Industry Structure And Competitive Strategy	MIS513	3	-	Track-IM
Logistics And Supply Chain Management	MIS550	3	-	Track-IM
Advanced Data Warehousing	MIS552	3	-	Track-IM
Mobile Marketing Strategies	MIS553	3	-	Track-IM
Auditing IT Infrastructures	MIS555	3	-	Track-IM
Social Computing Applications	MIS564	3	-	Track-IM
Advance E-Commerce	MIS565	3	-	Track-IM
Fundamentals of SAP-ABAP Programming I	MIS566	3	-	Track-SE
Scientific computing, and scientific software development	MTS551	3	-	Track-TCS
Stochastic Modeling with Applications in Engineering	CSE 606	3	-	Track-NCC
Bioinformatics Algorithms	CSE 607	3	-	-
Knowledge Discovery & Data Mining	CSE652	3	-	Track-IS
Combinatorial Optimization	CSE654	3	-	Track-TCS
Probabilistic Reasoning	CSE655	3	-	Track-IS
Essentials of theoretical Computer Science	CSE657	3	-	Track-TCS
Knowledge management and E-learning systems	CSE658	3	-	Track-IM
Computational Intelligence	CSE659	3	-	Track-IS



List of M.S. Computer Science courses (Contd...)

Course title	Course code	Credit hours	Pre-requisite	Pre-requisite
Computer Vision	CSE660	3	-	Track-IS
Semantic Web	CSE661	3	-	Track-IS
Parallel Processing	CSE662	3	-	Track-TCS
Information Retrieval and Web Search-I	CSE665	3	-	Track-IM
Information Retrieval and Web Search-II	CSE666	3	CSE665	Track-IM
Big Data Analytics	CSE668	3	CSE 505, CSE 652, or CSE 568	Track-IS
Social Network Analysis	CSE670	3	-	Track-IS
Machine Learning	CSE671	3	-	-
Computer Communication Network & Simulation	ICT651	3	CSE248 and MTS102	Track-NCC
Computer Communication Network & Simulation II	ICT654	3	ICT651	Track-NCC
Wireless Sensor Networks	ICT659	3	CSE248	Track-NCC
Advanced Topics In Wireless Sensor Networks	ICT660	3	ICT659	Track-NCC
WSN Protocols and Applications	ICT662	3	CSE248	Track-NCC
Advanced Theoretical Concepts in IS	MIS653	3	-	Track-IM



Master of Science (M.S.) Economics program

Master of Science (M.S.) Economics program:

The M.S. program in Economics is designed to provide a solid background in theory, quantitative methods, and applications appropriate to the needs of economists involved in policy planning, analysis, and forecasting of public and private sectors. The curriculum of this program has been designed to meet the international standards.

This program emphasizes on applied economics, and caters to the growing market for economic analysts. Graduates from this program will be able to teach and conduct quality research in the fields of their interest, and will be prepared for careers in universities, research organizations, business enterprises, government organizations, and multinational companies.

Eligibility:

A minimum of 16-year of education out of which last 4 years education from an HEC recognized university/institute with minimum 2.5 out of 4.0 CGPA or 60% marks in the last degree. All equivalency claims shall be evaluated by HEC.

Experience is not a mandatory requirement for admission in this program.

Admission criteria:

Admissions to all programs at the IBA are granted on merit, and there are no reserved seats of any category. The criterion for admission is the performance of the applicant in aptitude test and interview. The aptitude test is a written test of three subjects: English, Mathematics and Economics.

Candidates who have a minimum of 650 score in quantitative section of GRE (International) or 160 score in quantitative section of revised GRE (International) are exempted from the IBA admission test.

The candidates who pass the aptitude test qualify for the interview.

Required courses

Course category	Courses	Credit hours
Foundation courses	4	12
Core courses	7	21
Elective courses	4	12
Thesis	1	9
Total	16	54

For further details, see the IBA admission policy

Duration:

2 years

Maximum time allowed: 5 years for full time students

7 years for part time students

Teaching/research assistant positions:

Teaching/research assistant positions are available in the department for full time MS students. These positions are offered only to those students who maintain a cumulative GPA of 3.00 in each semester in the MS program. Teaching/research assistants must not work elsewhere.

Requirements for M.S. (Economics):

Course requirements are given as:

M.S. courses: 45 credit hours (11 courses)

M.S. thesis: 9 credit hours

For further details please visit: economics.iba.edu.pk



Foundation courses*	Course code	Credit hours	Pre-requisite
Microeconomic Theory I	EC0531	3	-
Macroeconomic Theory I	EC0532	3	-
Mathematics for Economists	EC0533	3	-
Mathematical Statistics and Linear Algebra	MTS536	3	-
Core and elective courses	Course code	Credit hours	Pre-requisite
Microeconomic Theory II	EC0631	3	EC0531
Macroeconomic Theory II	EC0632	3	EC0532
International Trade	EC0539	3	EC0531
Econometrics I	EC0537	3	MTS536
Econometrics II	EC0538	3	MTS536,EC0537
Development Economics	EC0534	3	EC0531
Research Methodology	EC0591	3	EC0537
Elective I	-	3	-
Elective II	-	3	-
Elective III	-	3	-
Elective IV	-	3	-
Thesis	Course code	Credit hours	Pre-requisite
M.S. thesis**	ECO699	9	-

*BS (Economics & Mathematics) graduates are exempted from the 4 foundation courses. For others candidates the interview panel will decide which foundation courses are exempted.

**Students have option to take 2 additional courses and an M.S. research project (ECO698) in place of M.S. Thesis. The grade on M.S. Thesis and M.S. Research Project would be pass/fail and will not be counted in CGPA.

List of elective courses

Course title	Course code	Credit hours	Pre-requisite
Issues in Pakistan Economy	EC0544	3	-
Economic Forecasting	EC0555	3	EC0537
Environmental and Resource Economics	EC0561	3	EC0531, EC0533
Financial Economics	EC0562	3	EC0531, EC0533
Health Economics	EC0563	3	EC0531
Monetary Economics	EC0566	3	EC0532
Public Economics	EC0567	3	EC0531, 532 & 533
Time Series Modeling	EC0570	3	EC0537
Industrial Economics	EC0571	3	EC0631
Game theory and Competitive Strategy	EC0573	3	EC0531
Combinatorial Optimization	CSE654	3	EC0533 & EC0531
Labor Economics	EC0654	3	EC0531, EC0537
Public Policy Analysis: Theory and Practice	EC0560	3	EC0531/501/102 /104 /103/113
Microeconomics of Public Policy Analysis	EC0575	3	EC0531/301/312/501
Water Economics and Policy	EC0574	3	-



Master of Science (M.S.) Mathematics program

Master of Science (M.S.) Mathematics program:

M.S. in Mathematics aims to provide a thorough background in theory, quantitative methods and applications commensurate with international standards, offering the opportunity of more specialized training in selected areas of pure and applied mathematics.

Eligibility:

In order to be eligible to apply for admission in M.S. in Mathematics a candidate should:

- Possess a B.S./M.Sc. (16 year education) degree from recognized university in Mathematics or Possess B.E. (any discipline) or B.S./M.Sc. (16 year education) degree from a recognized university in Physics/Statistics/Computer Science**
- Have passed the last examination with at least 60% marks (or CGPA 2.5 whatever applies)

**The successful students will be conditionally admitted and have to pass the prescribed deficiency courses with the CGPA recommended by the DRC. (Departmental Research Committee)

Admission process:

All eligible candidates would be required to:

- Appear in and qualify an aptitude test consist of two parts: Mathematics and English (The difficulty level of Mathematics and English is equivalent to GRE subjective Mathematics and TOFEL respectively).

or

Candidates, who have a minimum 60 percentile in GRE subjective mathematics (In this case admission committee will verify the English proficiency of the candidate).

- Appear in an interview/presentation if the candidate has passed the aptitude test or equivalent.

Duration:

M.S.: 2 -5 years

Required courses

Course category	M.S. with thesis		M.S. without thesis	
	Courses	Credit hours	Courses	Credit hours
Core units	6	18	6	18
Elective units	2	6	4	12
Literature survey	1	3	0	0
Research work units	1	3	0	0
Total	10	30	10	30

For further details, see the IBA admission policy

Teaching/research assistant positions:

Teaching/Research assistant positions are available in the department for full-time MS students. These positions are offered only to those students who maintain a cumulative GPA of 3.00 in each semester in the MS program. Teaching/Research assistant must not work elsewhere.

Part time students:

Students can also join the program on part-time basis (i.e. those students who are not offered or do not willfully avail/opt-for financial assistance) with the condition that they cannot register in more than 3 courses in semesters.

Requirements for the award of M.S. Mathematics degree:

For award of an MS Mathematics a candidate should:

- Complete 30 Credit hours that include 24 Credit hours (8 courses) of course work and 6 Credit hours of thesis.
- Six courses (mentioned in the list) at 500 level are core courses that every student must do.
- In addition, a student has to do two electives to be chosen from the list given at 500 level. A Student can also choose a Ph.D. Mathematics course as an elective by taking approval of DRC.

- The eligibility for doing an MS thesis is a CGPA of 3.0.
- Students who do not qualify the eligibility criteria on for doing an M.S. thesis, will be required to do two additional courses (6 credit hours in addition) and graduate with an M.S. degree only. Such M.S. graduates would lose the eligibility of doing a Ph.D. in future from IBA.
- Public defense of the M.S. thesis and completion of the degree will be governed as per IBA's policy.

For further details please visit: mathematics.iba.edu.pk



Core courses*

Semester: 1	Course code	Credit hours	Pre-requisite
Advanced Real Analysis	MTS511	3	-
Topics in Algebra	MTS513	3	-
Scientific Computing I of PDE's	MTS576	3	-
Topology & Geometry	MTS575	3	MTS341
Semester: 2	Course code	Credit hours	Pre-requisite
Probability and Mathematical Statistics	MTS508	3	-
Topics in Number Theory	MTS562	3	-
Elective I	MTS -	3	-
Elective II	MTS -	3	-
Semester: 3 & 4	Course code	Credit hours	Pre-requisite
M.S. Thesis (with literature survey)	MTS699	6	-



List of electives

Course title	Course code	Credit hours	Pre-requisite
Measure Theory & Integration	MTS512	3	MTS512
Topics in Commutative Algebra	MTS514	3	MTS513
Scientific Computing	MTS521	3	-
Stochastic Processes II	MTS525	3	MTS304
Stochastic Differential Equations	MTS529	3	MTS304
Integral Equations-I	MTS533	3	-
Mathematical Astronomy	MTS537	3	-
Homological Algebra	MTS539	3	MTS513
Smooth Manifolds	MTS581	3	MTS510
Computational Algebraic Geometry	MTS541	3	MTS513
Applicable Modern Geometry I	MTS545	3	MTS511,MTS513, MTS516
Algebraic Geometry I	MTS549	3	MTS514
Scientific Computing & Software	MTS551	3	MTS521
Algebraic Cycles I	MTS553	3	MTS513
Arithmetic Algebraic Geometry	MTS557	3	MTS513
Exploratory Data Analysis	MTS561	3	-
Mathematical Physics I	MTS565	3	-
Statistical Data Mining & Knowledge Discovery	MTS569	3	-
Statistical Machine Learning	MTS573	3	-
Galois Theory	MTS577	3	MTS513
Non Linear Dynamics & chaos	MTS507	3	MTS203 , MTS 241

**The departmental research committee is authorized to introduce any new course added to the above list as and when required.*

Note: Any course of 600 level of Mathematics could be treated as an M.S. Mathematics elective.

Master of Science (M.S.) Islamic Banking and Finance program

Master of Science (M.S.) Islamic Banking and Finance program:

The M.S. Islamic Banking and Finance (MSIBF) is a 57 credit hours full time 2-year program approved by the HEC. It is aimed at fresh graduates from business and other disciplines, experienced practitioners as well as Shariah scholars, to impart an in-depth education in the disciplines of finance and banking, research and Islamic jurisprudence and Fiqh.

The program is designed to meet the growing needs of the Islamic Finance industry by providing theoretical and applied knowledge of Islamic Finance, Islamic Jurisprudence, Banking and Economics. Graduates of the program will have promising career prospects in academia and in the local and international Islamic Finance industry.

Requirements for M.S. (Islamic Banking and Finance):

The course requirements for MS Islamic Banking and Finance program are given as:

Course category	Credit hours	Courses
Core courses	36	12
Electives	12	4
MS thesis	9	-

The M.S. IBF is a 2 year full time program. The maximum duration allowed is 5 years.

The M.S. IBF program is open to both full time and working students. Full time students take four courses each semester. Classes are usually conducted at the IBA city campus, Karachi.

A sequence of the M.S. IBF courses is shown as follows..

Semester-wise sequence of courses

Semester 1 (fall)		Course code	Credit hours	Pre-requisite
1	Islamic Jurisprudence	FIN508	3	-
2	Financial Management	FIN510	3	-
3	Business Economics	ECO509	3	-
4	Research Methodology	ECO536	3	-
Semester 2 (spring)		Course code	Credit hours	Pre-requisite
1	Islamic Banking	FIN509	3	FIN508
2	Islamic Economics	ECO510	3	-
3	Corporate Finance	FIN513	3	FIN510
4	Accounting for Islamic Financial Institutions	ACC504	3	-
Summer semester (optional)		Course code	Credit hours	Pre-requisite
1	Elective I	-	3	-
2	Elective II	-	3	-
Semester 3 (fall)		Course code	Credit hours	Pre-requisite
1	Islamic Capital Markets	FIN511	3	-
2	Shariah Audit and Compliance	ACC509	3	FIN508
3	Islamic Insurance - Takaful	FIN512	3	-
4	Financial Econometrics	FIN514	3	ECO536
Semester 4 (spring)		Course code	Credit hours	Pre-requisite
1	Elective III	-	3	-
2	Research Thesis	-	9	ECO536
Summer semester		Course code	Credit hours	Pre-requisite
1	Elective IV	-	3	-
2	Any remaining elective/thesis	-	3	-

Important Note:

- All M.S. Islamic Banking and Finance are required to take and pass the twelve core courses mentioned above, as well as the 9-credit hours research thesis, in order to graduate.
- Elective courses will be offered in the summer semesters and the final 4th semester. Students have to take a total of 4 electives to complete the requirements.

The students propose the thesis topic for their dissertation after the completion of the 12 core courses. Students are expected to finish their thesis in the final semester, and may include an optional summer semester.

Admission criteria and eligibility:

Admissions to all programs at the IBA are granted purely on the basis of merit and there are no reserved seats for any category. The criterion for admission is the performance of the candidate in the entry tests, interview and group discussion. The entry test is a written test on two subjects: English and Mathematics.

Candidates apply to IBA graduate programs online through the IBA website. In order to be eligible to apply for MS Islamic Banking and Finance, applicants should have a minimum of 16 years of education/equivalent degree in any discipline recognized by the HEC. They should have a minimum of 2.5 CGPA out of 4.0 or 60% marks in their last degree. All equivalency claims are evaluated by the HEC. Experience is not a mandatory requirement for the M.S. IBF program.

Candidates awaiting their final results may also apply. In such cases, conditional admission may be awarded, pending the

submission of required results before the commencement date of the classes.

The application process consists of online application, entry test, interview and group discussion (GD). Only candidates who clear the test are called for Interview and group discussion. Only selected candidates after clearing the interview and GD are awarded admission.

Online application submission -> submission of test fee -> Entry test -> Interview & GD -> final result announced -> submission of required documents -> fee submission -> admission to M.S. IBF.

The M.S. Islamic Banking and Finance program opens for admissions once a year, for fall (August) every academic year. Admissions commence online through the IBA website, approx. from May to August, with classes commencing at the end of August.



Electives

The Electives offered for MS IBF students will be from the following courses:

No.	Course title	Course code	Credit hours	Pre-requisite
1	Islamic Law of Contracts	FIN572	3	-
2	Islamic Partnership Corporate and Securities Law	-	3	-
3	Islamic Wealth Planning and Management	-	3	-
4	Islamic Portfolio Management	-	3	-
5	Financial Services Marketing	-	3	-
6	Shariah Issues in Islamic Finance	-	3	-
7	Commercial Law and Legal Documentation for Islamic Financial Services	-	3	-
8	Investment Banking and Structuring Financial Requirements	FIN550	3	-
9	Islamic Treasury Operations	FIN651	3	-
10	Islamic Entrepreneurship	-	3	-
11	International Finance	FIN551	3	FIN510
12	Advanced Econometrics	-	3	FIN514
13	Ethics and Corporate Governance	-	3	-
14	Risk Management for IFIs	-	3	-

* Pre-requisite not given indicates that these will be announced later, if any.



Vision statement:

'MS program of choice to shape the future Islamic finance leaders, researchers and advocates'

Mission:

The mission of the IBA MS Islamic Banking and Finance program is to help in developing the local and global finance industry into becoming more competitive, stable and shariah compliant.

The program will develop the skills of Finance, Banking, Economics, research Methods as well as Islamic jurisprudence and Fiqh for a diverse range of students, from fresh business graduates to experienced bankers and shariah scholars. It aims to provide the quality human capital with the ability, initiative and knowledge acumen required by the Islamic Finance industry to support its growth and help in its challenges.

Objectives of the program:

- To promote awareness inspired by accurate knowledge about the principles and modes of Islamic finance
- To provide the local and global Islamic Finance industry with the trained human resource it needs to support its growth and meet its current challenges
- To nurture future business leaders, a spirit of social responsibility, and principles of ethics, governance, compliance and responsibility as taught by Islam
- To help develop leaders of the Islamic Banking and Finance industry for tomorrow that have in depth knowledge of both finance and Shariah and an acute awareness of the present challenges of the industry
- To promote the objective of IBA as an institution that promotes thought leadership and uses knowledge and research to find solutions for the industry

IBA graduates possess abilities to:

- Demonstrate in depth knowledge about the principles, modes and applications of Banking, Finance, Economics, Islamic Finance, Islamic Capital Markets, Takaful, and

relevant principles of Islamic jurisprudence

- Make well-informed decisions in various business situations, given the requirements, information and challenges, that are profitable and ethically sound
- Contribute to the industry-relevant research in the local and international Islamic Finance arena
- Plan and implement different business functions in the Islamic Finance industry
- Be able to distinguish permissible, impermissible, preferred and disliked matters in commercial transactions
- Understand and explain the epistemological and legal foundations of the Islamic law as relevant in Islamic finance awareness, teaching and industry
- Lead a team of professionals on a given industry task according to the established targets
- Demonstrate awareness and suggest practical solutions to the current Islamic banking industry, e.g. in terms of

awareness, innovate solutions, fintech, shariah compliance, standardization, financial inclusion, greater risk sharing etc.

- Understand the process and principles behind making a firm or transaction shariah compliant.
- Use their knowledge of Mathematics, Research, Finance, Economics, Islamic Finance and Fiqh to solve real-world business problems.

Counseling:

IBA's educational approach is designed to help its graduate students in planning their studies, choosing the right electives, identifying their areas of interest, acquiring knowledge, and receiving the right assistance in seeking internships and career opportunities. As such, the faculty for MS IBF program offers academic and career counseling to students to support them in their courses, thesis and job hunt. Students also have access to expert faculty and trainings offered at the IBA.



Master of Science (M.S.) Management program

(Due to be launched)

Master of Science (M.S.) Management program:

The MS Program in Management is designed to prepare students for quality research and analysis in the field of Management. A sound theoretical basis is provided in the general area of management, and in the specialization areas of Strategy & Organization, Operations Management, and Entrepreneurship. This is complemented with developing research skills in both qualitative and quantitative domains. Students are introduced to various approaches, tools and techniques, in research methods, which enable them to tackle management related issues in a scientific manner. The program is aimed at challenging students intellectually and enabling them to make contributions towards the knowledge and practice of Management.

Eligibility:

In order to be eligible to apply for admission in M.S. in management program a candidate should have:

- A minimum of 16 years of education /equivalent degree in any discipline from a local or foreign institute recognized by the HEC, with a minimum CGPA of 2.5 out of 4,
or
- 60% marks in their last degree. All equivalency claims shall be evaluated by the HEC. Experience is not mandatory for this program.



Required courses

Section	Course category	No. of courses	Credit hours	Total
A	Program core courses	6	3	18
B	Area core/electives	4	3	12 per specialization
C	Foundation courses	7	3	depending on student's requirements
D	Thesis	1	6	6
		18		Total credits 36 (minimum)

Note: Student with a non-business academic background will be required to take additional courses from the foundation level courses.

A. Core courses

S.No.	Courses title	Course code	Credit hours
1	Foundations of Management & Organization	MGT511	3
2	Philosophy of Management & Organization	MGT514	3
3	Research & Practice of Operations Management	MGT515	3
4	Concepts in Entrepreneurship	MGT520	3
5	Organizational Research Methods	MGT601	3
6	Research Seminar in Strategy	MGT602	3

Admission process:

Admissions to all programs at the IBA are granted on merit, and there are no reserved seats of any category. The criterion for admission is the performance of the applicant in aptitude test and interview. The aptitude test is a written test comprising three sections: English, Mathematics and Essay writing.

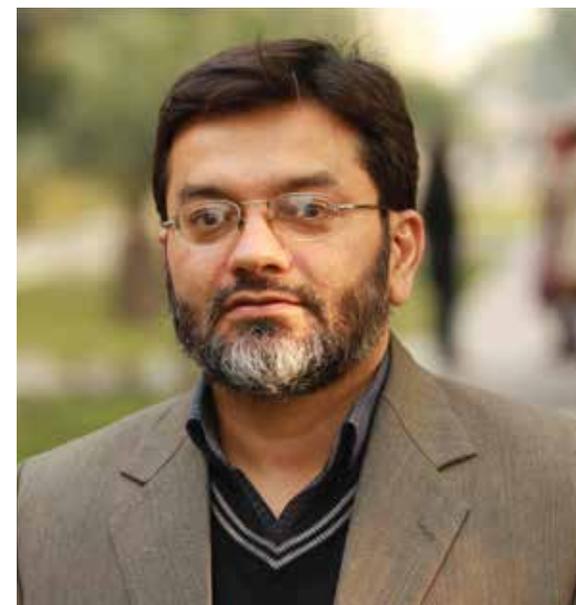
Candidates who have a minimum of 650 score in quantitative section of GRE (International) or 160 score in quantitative section of revised GRE (International) or 600 score in GMAT, are exempted from the IBA admission test.

The candidates who pass the aptitude test qualify for the interview.

Duration:

1.5 years (full time)

Maximum time allowed 4 years



B. Area core courses

S.No.	Courses title	Course code	Credit hours
1	Quantitative Research Methods	MGT523	3
2	Qualitative Research Methods	MGT524	3
3	Organization Theory	MGT603	3
4	Research Seminar in International Management	MGT604	3
5	Advanced Entrepreneurship	MGT527	3
6	Supply & Demand Management	MGT528	3
7	Innovation & Design	MGT605	3

C. Elective courses

S.No.	Courses title	Course code	Credit hours
1	Research in Organizational Behavior	MGT572	3
2	Managing Social Entrepreneurship	MGT577	3
3	Alternative Management & Organization	MGT573	3
4	Modeling & Simulation	MGT574	3
5	Quality Management	MGT575	3
6	Pedagogy for Management	MGT576	3

Note: (Students with non-business academic background will have to take these courses which may require them to spend an extra semester in the M.S. program.)

D. Foundation courses

S.No.	Courses title	Course code	Credit hours
1	Introduction to Business Finance	FIN201	3
2	Principles of Marketing	MKT201	3
3	Principles of Microeconomics	ECO103	3
4	Principles of Macroeconomics	ECO104	3
5	Introduction to Statistics	MTS102	3
6	Fundamentals of Sociology	SSC231	3
7	Introduction to Psychology	SSC218	3
8	English Grammar & Composition	SSC101	3

Note: Foundation courses may be added/subtracted from the above list depending upon individual requirement of a particular student.

Master of Science (M.S.) Journalism program

Master of Science (M.S.) Journalism program:

The Master's of Science in Journalism is the inaugural Master's program at the Centre for Excellence in Journalism at IBA. The 1.5-year long program allows students to immerse themselves in all forms of journalism – digital, audio and video – and gain practical experience in a newsroom under the guidance of experienced instructors. This is an opportunity for students to learn modern skills to enable them to find employment in reporting and production across media platforms and learn about the intersection of technology and media and the impact it will have on the industry in Pakistan.

The mission:

The MSJ program aims to be the leading journalism program in Pakistan, recognized for raising the quality of the industry by producing reporters with world-class professional skills, a deep understanding of the nation, the region and the world they will cover and the potential to become creative and innovative industry leaders of tomorrow.



Required courses

Course category	Courses	Credit hours
Seminars	3	9
Skills courses	4	12
Labs	5	15
Capstone project	1	3
Total	13	39

Learning outcomes:

- Critical thinking
- Media and information literacy
- Foundational knowledge of Pakistan and the world
- Industry-specific concepts, skills and issues
- Independent thinking and innovation
- Leadership skills
- Apply knowledge in real-world context.

Salient features:

- Small classes in a workspace equipped with the latest technology
- Instructors with journalism experience, in and outside of Pakistan
- A modern syllabus reflecting new media global trends, created with assistance from Northwestern University's Medill School of Journalism.
- Internships with news organizations in a variety of mediums as part of its syllabus.

Eligibility:

- Minimum of 16 years of education
- Minimum CGPA of 2.5 or 60% marks in last degree
- Applicants with prior journalism experience encouraged to apply.

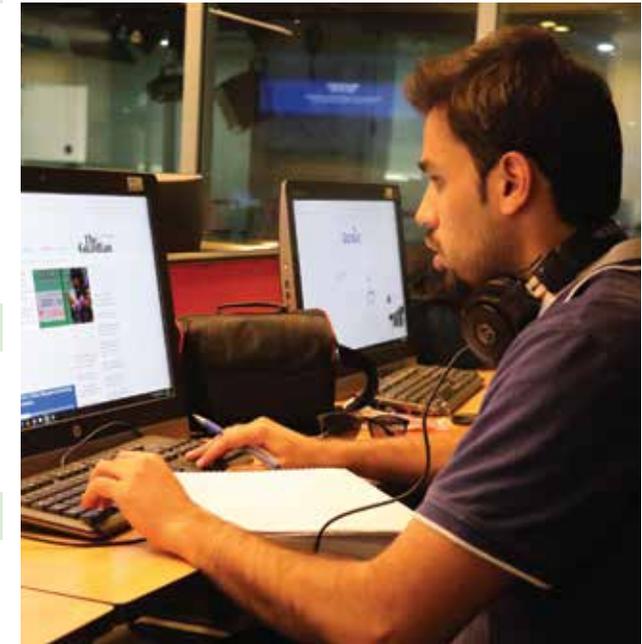
Duration:

1.5 years

Admission criteria:

Admissions to all programs at the IBA are granted on merit, and there are no reserved seats of any category. The criteria for admission is the performance of the applicant in aptitude test and interview. The aptitude test is a written test of three subjects: English, Mathematics and General Knowledge.

The candidates who pass the aptitude test will qualify for the interview.



Semester-wise sequence of courses

Semester - 1	Credit hours
CEJ Newsroom 1	3
Digital News Reporting	3
Governance & Society in Pakistan	3
News Writing & Reporting	3
The Profession of Journalism	3
Semester - 2	Credit hours
CEJ Newsroom	3
Specialized Journalism	3

Semester - 3	Credit hours
CEJ Newsroom 2	3
Current Affairs TV Lab	3
International Affairs	3
Multimedia Journalism	3
Specialized Journalism	3
Semester - 4	Credit hours
Capstone Reporting Project	3
Internship	0



Anatomy of the student body

(Spring 2018)

Undergraduate programs (2784)		Graduate programs (857)		Doctoral programs (51)		PGD programs (59)		Total
Male	Female	Male	Female	Male	Female	Male	Female	
1698	1086	646	211	29	22	47	12	3751

Male: 64.50%

Female: 35.50%

Average age: 23

Doctoral programs

- ◆ Ph.D. (Computer Science)
- ◆ Ph.D. (Economics)
- ◆ Ph.D. (Mathematics)



Ph.D. (Computer Science) program

Ph.D. (Computer Science) program:

If your ambitions lie in carrying out cutting edge research in the field of Computer Science, gaining recognition for it and maintaining social and corporate networks in your field of study then an excellent option for you is to pursue your graduate studies at the IBA Faculty of Computer Science. The IBA Faculty of Computer Science (FCS) offers Ph.D. programs in the following areas:

- Artificial Intelligence and Cognitive Robotics
- Wireless and Mobile Communications
- Social Computing
- Operations Research
- Management Information System
- Numerical Analysis and Computing
- Multimedia and Web
- Human Computer Interaction

The FCS Ph.D. program aims at encouraging those graduate students who can make a significant contribution to their field through original research. The FCS hosts a number of research labs that are actively engaged in cutting-edge research in a number of fields mentioned above. By being a part of this program, you will get an opportunity to establish linkages with international researchers, publish scholarly articles and attend reputed conferences worldwide in your chosen discipline. Your quantitative and qualitative research capabilities will be polished and interdisciplinary research, along with interaction with the local industry, will always be encouraged.

The FCS Ph.D. program motivates independence and originality of thought in the research process. The Ph.D. program at IBA expects that not only will the graduates display excellence in their field of research but that the discipline, research and professional competencies they develop from this program will be highly regarded by national and international employers. To achieve this, students are expected to immerse themselves in research in order to develop a strong and vibrant research culture at the institute. The program requires a residency of at least two years, where students are expected to complete a specially designed program comprising of advanced courses. During the residency program students are expected to attach themselves to a supervisor in their field of specialization. Students also avail a full teaching/research assistantship which

Required courses

	Course category	Courses	Credit hours
A	Course Work ^{1,2,3}	8	24
B	Dissertation		12
	Total	8	36

1 Maximum 2 courses (500 Level) and minimum 6 courses (600 Level or above)

2 Recommended that the course work should be completed during first 3 semesters after admission

3 Students can take maximum of 4 courses (12 credit hours) in each semester

comprises of an attractive monthly stipend and full tuition fee waiver.

Research labs at FCS:

As one of Pakistan's leading research institutions, Faculty of Computer Science (FCS) at IBA offers the best possible environment in which to undertake postgraduate research. A student conducting masters or doctoral research will have the opportunity to be assigned to one of the following labs:

Artificial intelligence (AI) lab:

Artificial Intelligence Lab at IBA endeavors to provide a platform for researchers and professionals to manifest their innovative capabilities through development of sophisticated research projects. The lab also aims to foster collaboration with local industry by developing intelligent solutions for problems pertinent to the Pakistani market. Being established in 2008, AI LAB at IBA is a dynamically growing research center focusing in the core areas of AI namely data analytics, machine learning, semantic web, computational intelligence, probabilistic reasoning, and cognitive robotics.

For details, please visit the website <http://ailab.iba.edu.pk/index.html>

Telecommunications research lab (TRL):

Telecommunications research lab (TRL) at the faculty of Computer Science focuses on research in the areas of wireless and mobile networks. Specific topics under current research include the following: queuing modeling, and analysis for energy, delay and other QoS parameters in wireless sensor networks (WSN); Backhauling technologies in mobile networks;

Implementation of WSN in field for monitoring, irrigation; energy monitoring & controlling system/smart asset management using WSN and hybrid networks; traffic congestion tracking system.

For details, please visit <http://trl.iba.edu.pk/index.php>

Web sciences lab:

A new lab has been established at HBL-FCS Building to help researchers to undertake world class research in the area of web information systems, with a special focus on interactive learning applications. The lab aims to conduct cutting edge research in diverse areas of web, including information retrieval, social media, knowledge management, digital libraries, electronic commerce, and semantic web.

For details, please visit website <http://websci.iba.edu.pk/> & <http://cs.iba.edu.pk> for details



Courses*

Course title	Course code	Credit hours	Credit hours	Pre-requisite
Software Project Management	CSE503	CSE	3	-
Data Mining	CSE505	CSE	3	CSE 307
Pattern Recognition	CSE554	CSE	3	-
Image Processing For Recognition	CSE556	CSE	3	-
Mobile Computing	CSE558	CSE	3	-
Image Processing	CSE559	CSE	3	-
Software Systems Engineering	CSE564	CSE	3	CSE 141, CSE 142
Requirements Engineering	CSE567	CSE	3	CSE 312
Usability Engineering	CSE567	CSE	3	-
Natural Language Processing	CSE574	CSE	3	-
Stochastic Modeling With Applications In Engineering	CSE606	CSE	3	-
Bioinformatics Algorithms	CSE607	CSE	3	-
Combinatorial Optimization	CSE645	CSE	3	-
Knowledge Discovery & Data Mining	CSE652	CSE	3	-
Probabilistic Reasoning	CSE655	CSE	3	-
Computational Intelligence	CSE659	CSE	3	-
Semantic Web	CSE661	CSE	3	-
Information Retrieval & Web Search - 1	CSE665	CSE	3	-
Information Retrieval and Web Search - II	CSE666	CSE	3	CSE 665
Big Data Analytics	CSE668	CSE	3	CSE 652
Deep Learning	CSE669	CSE	3	-
Social Network Analysis	CSE670	CSE	3	-
Machine Learning	CSE671	CSE	3	-
Advanced Web Technologies	ICT512	ICT	3	CSE 302
Distributed Systems	ICT555	ICT	3	CSE 341
Computer Communication Network & Simulation	ICT651	ICT	3	CSE 248, MTS 102
Computer Communication Network & Simulation II	ICT654	ICT	3	ICT 651
Wireless Sensor Networks	ICT659	ICT	3	CSE 141, CSE 248, MTS 102
Advanced Topics In Wireless Sensor Networks	ICT660	ICT	3	ICT 659
WSN Protocols And Applications	ICT662	ICT	3	CSE 248
Operations & Technology Management	MIS502	MIS	3	-
Enterprise Integration	MIS503	MIS	3	-
Advanced Data Warehousing	MIS552	MIS	3	-
Theoretical Foundations of IS	MIS651	MIS	3	-
Advanced Research Topics In IS	MIS652	MIS	3	-
Advanced Theoretical Concepts in IS	MIS653	MIS	3	MIS 651
Social Network Analysis	CSE670		3	Track-IS
Deep Learning	CSE669		3	Track-IS

* It is a partial list of courses

For a more detailed prospectus, please visit the website <http://cs.iba.edu.pk>

Ph.D. (Economics) program

Ph.D. (Economics) Program:

Ph.D. Economics program is designed to provide a solid background in theory, quantitative methods, and applications appropriate to the needs of economists involved in policy planning, analysis, and forecasting of public and private sectors. The curriculum of this program has been designed to meet the international standards. The students will find the program to be intellectually challenging and personally rewarding. Ph.D. (Economics) emphasizes on Applied Economics, and caters to the growing market for Economic analysts. Graduates from this program will be able to teach and conduct quality research in the fields of their interest, and will be prepared for careers in universities, research organizations, business enterprises, government organizations, and multinational companies.

Duration:

Duration of the program is 4 years. The maximum time allowed is 8 years.

Eligibility:

M.S./M.Phil. or equivalent degree in Economics or related discipline from HEC recognized universities/institute with minimum 3 out of 4 CGPA or 60% marks in the last degree. All equivalency claims shall be evaluated by HEC. Experience is not mandatory for admission to the Ph.D. program. IBA also allows those candidates to apply for admission whose final results have not been announced. The admission may be conditional to the pending submission of the required results before the date of commencement of classes.

Admission criteria:

Admissions to all programs at the IBA are granted on merit, and there are no reserved seats for any category. The criterion for admission is the performance of the applicant in admission test and interview. The admission test is a written test from three subjects: English, Mathematics and Economics. Candidates who have a minimum 650 score in quantitative section of GRE (International) or 160 score in quantitative section of Revised GRE (International) are exempted from the IBA admission test.

Required courses

Course category	Courses	Credit hours
Core courses	7	26
Elective courses	4	14
Dissertation	1	27
Total	12	67

The candidates who pass the admission test qualify for the interview. Candidates are required to submit short research proposal at the time of interview.

Comprehensive examinations:

Students are required to pass comprehensive examinations for Microeconomic Theory, Macroeconomic Theory and one field examination. A maximum of two attempts will be allowed for the comprehensive examinations. Students are however expected to pass the comprehensive examinations in two years from the commencement of the Ph.D. program.

Oral defense of dissertation proposal:

At the end of the third year, students are expected to present and defend their Ph.D. proposal.

Dissertation defense:

Students are expected to submit and defend their dissertation in two years after successful completion of their course work.

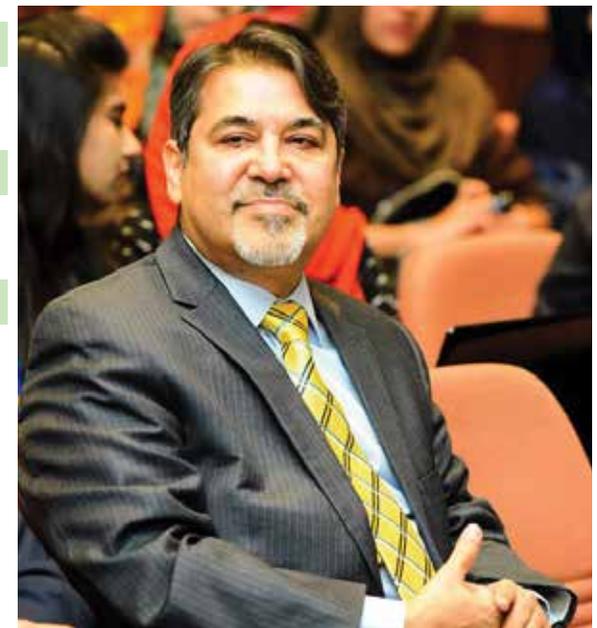
Teaching/research assistant positions:

Ph.D. program is a full time morning program. IBA will offer Teaching/research assistant positions to Ph.D. students along with a tuition fee waiver. Teaching/research assistants must not work elsewhere. A Ph.D. student has to spend at least first two years of degree's duration in IBA as a full-time student.

Major areas of specialization (electives):

- Development Economics
- Environmental Economics
- Financial Economics
- Industrial Organization
- International Trade
- Monetary Economics
- Public Finance

For further details visit: economics.iba.edu.pk



List of core and elective courses

Courses	Course code	Credit hours	Pre-requisite
Microeconomic Theory II	ECO631	3	ECO531 or equivalent
Macroeconomic Theory II	ECO632	3	ECO532 or equivalent
Microeconomic Theory III	ECO641	4	ECO631
Macroeconomic Theory III	ECO642	4	ECO632
Econometric Analysis- I	ECO647	4	ECO537 or equivalent
Econometric Analysis- II	ECO648	4	ECO647
Graduate Research Seminar	ECO791	4	ECO647
Elective I	-	3	-
Elective II	-	3	-
Elective III	-	4	-
Elective IV	-	4	-
Dissertation			
Ph.D. dissertation	ECO799	27	



Ph.D. (Mathematics) program

Ph.D. (Mathematics) Program:

Ph.D. in Mathematics aims to create individuals with thoroughly polished skills of using mathematics as a compact language to describe problems in any area requiring, enabling them theoretically to expand the frontiers to create new and formerly unknown avenues in this discipline.

Eligibility:

A candidate may embark on his Ph.D. Mathematics program at IBA if:

The applicant has earned an MS/MPhil (in Mathematics or allied areas) from a foreign/local university of international repute, and in addition to it:

- Clears IBA's entry test, or scores 70 percentile in GRE International Subjective (Mathematics).
- Goes through a successful interview/Presentation at IBA.

Teaching/research assistant positions:

Ph.D. program is a full time morning program. IBA will offer Teaching/Research assistant positions to Ph.D. students along with a tuition fee waiver. Teaching/Research assistants must not work elsewhere.

Duration:

Ph.D. 4 years (Maximum Possible in 8 years)

Other rules:

- A Ph.D. student has to spend at least first two years of degree's duration in IBA as a full-time Ph.D. scholar.
- Ph.D. students will be required to do six courses (chosen from the list below) at 600 level as suggested by the research supervisor and/or the departmental research committee (DRC)

Courses:

The departmental research committee (DRC) is authorized to introduce any new courses added to the followed list as and when required:

Required courses

Course title	Course code	Credit hours	Pre-requisite
Plane Curves and Singularities	MTS664	-	-
Topics in Homological Algebra	MTS672	-	MTS 539
Numerical Treatment of P.D.E	MTS621	-	MTS515
Financial Mathematics	MTS625	-	-
Computational Astronomy	MTS637	-	MTS537
Applicable Modern Geometry II	MTS645	-	MTS545
Algebraic Geometry II	MTS649	-	MTS549
Algebraic Cycles II	MTS653	-	MTS553
Algebraic Curves	MTS655	-	-
Iterative Methods for Sparse Linear Systems	MTS656	-	MTS366
Poly logarithms	MTS657	-	MTS557
Timescale calculus	MTS658	-	-
Computational Fluid Dynamics	MTS659	-	-
Multivariate Statistical Analysis	MTS661	-	MTS525
Analysis on Manifolds	MTS662	-	-
Mathematical Physics II	MTS665	-	MTS565
Advanced Topology	MTS666	-	MTS 451
Convex Analysis	MTS669	-	-
Monomial Algebra	MTS671	-	MTS514
Computational Continuum Mechanics	MTS673	-	-
Topics of Special Interest I	MTS691	-	-
Topics of Special Interest II	MTS692	-	-

On successful completion of the course work with CGPA of at least 3.0, the candidate qualifies to work on Ph.D. dissertation. Failing to achieve this qualification the candidate would be allowed to improve his/her CGPA by doing two of his courses again. In view of the candidate's request and recommendation of the DRC the candidate may do any other two courses to bring his/her CGPA to the required level.

Comprehensive test:

The comprehensive examination would be taken within 06 months after the completion of course work of Ph.D. student.

Disqualification:

If the candidate fails to qualify for work on Ph.D. dissertation he/she may be awarded an M.S. Degree on the recommendation of the supervisor/ DRC.

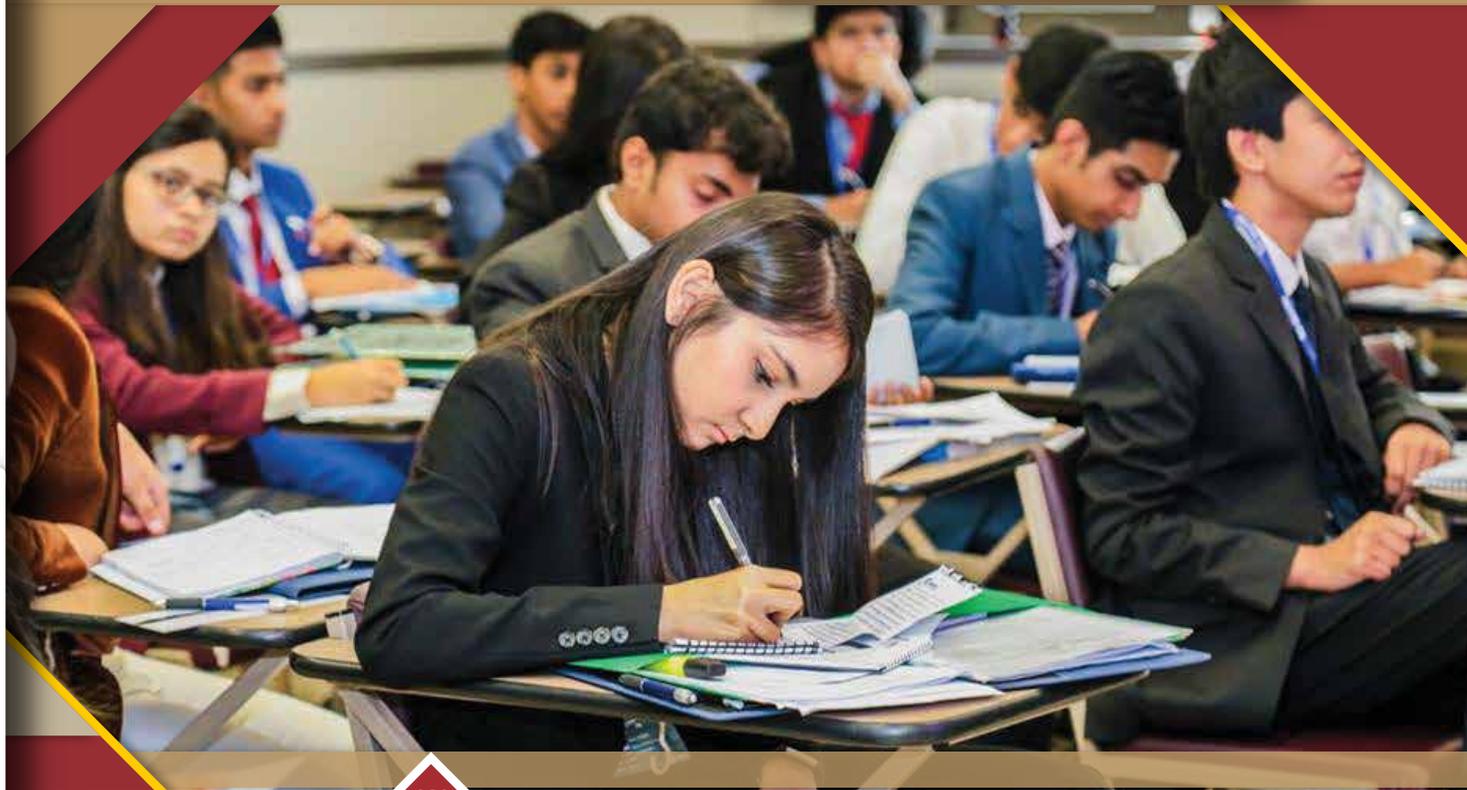
Defense of research synopsis/thesis:

The research synopsis would have to be defended against the DRC. Public defense of the Ph.D. thesis and completion of the degree will commence after examination of the thesis by two foreign external examiners (will be selected as per HEC policy)

For further details visit : mathematics.iba.edu.pk

List of courses

- ◆ Department of Accounting and Law
- ◆ Department of Economics
- ◆ Department of Finance
- ◆ Department of Management
- ◆ Department of Social Sciences and Liberal Arts
- ◆ Department of Marketing
- ◆ Department of Computer Science
- ◆ Department of Mathematical Sciences



Department of Accounting and Law:

Accounting courses:

S.No.	Course code	Course title
1	ACC111	Principles of Accounting
2	ACC201	Financial Accounting
3	ACC310	Advanced Managerial Accounting
4	ACC312	Business Analysis and Decision Making
5	ACC315	Financial Reporting
6	ACC320	Auditing
7	ACC325	Advanced Auditing
8	ACC381	Management Accounting
9	ACC401	Advanced Financial Reporting
10	ACC415	Actuarial Courses
11	ACC505	Accounting for Decision Making
12	ACC506	Financial Accounting and Information Systems
13	ACC507	Accounting Information Systems with SAP
14	ACC557	Accounting Information Systems - for small & medium enterprises
15	ACC559	IFRS & Financial Reporting in Pakistan
16	ACC561	Analysis of Financial Statements
17	ACC589	Project Evaluation & Financing

Law courses:

S.No.	Course code	Course title
1	LAW105	Politics and Law
2	LAW205	Business Law
3	LAW303	Taxation
4	LAW305	Corporate Law
5	LAW310	Legal & Regularity Environment
6	LAW401	Advanced Taxation
7	LAW501	Legal and Regulatory Environment of Business
8	LAW553	Corporate Governance & Practices in Pakistan



Department of Economics:

Economics courses:

S.No.	Course code	Course title
1	EC0102	Business Economics
2	EC0103	Principles of Microeconomics
3	EC0104	Principles of Macroeconomics
4	EC0105	Introduction to Economics
5	EC0201	Intermediate Microeconomics
6	EC0202	Intermediate Macroeconomics
7	EC0203	Development Economics
8	EC0211	Analysis of Pakistan Industry
9	EC0302	Development Economics II
10	EC0303	Mathematical Economics
11	EC0305	International Economics
12	EC0312	Microeconomics Theory
13	EC0313	Macroeconomics Theory
14	EC0341	Introduction to Econometrics
15	EC0342	Applied Econometrics
16	EC0343	Applied Econometrics I
17	EC0344	Applied Econometrics II
18	EC0401	Public Economics
19	EC0403	Major Issues in Pakistan Economy
20	EC0411	Research Methods in Economics
21	EC0451	Public Finance
22	EC0452	Monetary Economics
23	EC0453	Microeconomics for Policy Analysis
24	EC0461	Natural Resource and Environmental Economics
25	EC0464	Game Theory
26	EC0465	International Political Economy
27	EC0466	International Trade
28	EC0467	History of Economic Thought
29	EC0467	History of Economic Thought
30	EC0471	Health Economics
31	EC0472	Labor Economics
32	EC0501	Managerial Economics
33		

Economics courses: (contd...)

S.No.	Course code	Course title
34	EC0502	Macroeconomics
35	EC0517	Global Economic and Political Environment
36	EC0530	Development Economics
37	EC0531	Microeconomics Theory - I
38	EC0532	Macroeconomics Theory - I
39	EC0533	Mathematics for Economics
40	EC0537	Econometrics - I
41	EC0538	Econometrics - II
42	EC0539	International Trade
43	EC0544	Issues in Pakistan Economy
44	EC0555	Economics Forecasting
45	EC0558	Labor Economics
46	EC0560	Public Policy Analysis: Theory and Practice
47	EC0561	Environmental and Resource Economics
48	EC0562	Financial Economics
49	EC0563	Health Economics
50	EC0564	History of Economics Thought
51	EC0566	Monetary Economics
52	EC0570	Time Series Modeling
53	EC0571	Industrial Economics
54	EC0572	General Equilibrium & Welfare Economics
55	EC0573	Game theory and competitive strategy
56	EC0574	Water Economics and Policy
57	EC0575	Microeconomics of Policy Analysis
58	EC0577	Social Impact Evaluation
59	EC0591	Research Methodology
60	EC0631	Microeconomics Theory - II
61	EC0632	Macroeconomics Theory - II
62	EC0648	Econometrics Analysis - II
63	EC0654	Labor Economics

Department of Finance:

Finance courses:

S.No.	Course code	Course title
1	FIN201	Introduction to Business Finance
2	FIN301	Financial Institutions and Markets
3	FIN305	Alternate Investments
4	FIN308	Real Estate Investments: Analysis and Financing
5	FIN310	International Banking
6	FIN312	Behavioral Finance
7	FIN315	Corporate Restructuring
8	FIN320	Empirical Research in Finance
9	FIN401	Financial Management
10	FIN405	Venture Capital and the Finance of Innovation
11	FIN410	Buyouts and Acquisitions
12	FIN424	Fixed Income Investments
13	FIN425	Branch Banking
14	FIN426	Lending- Products, Operations & Risk Management
15	FIN427	Finance of International Trade and Related Treasury Operations
16	FIN428	Introduction to Marketing of Financial Services
17	FIN429	Information Technology in Financial Services
18	FIN430	Financial Information System
19	FIN451	Investment Banking
20	FIN452	International Finance
21	FIN453	Security Analysis
22	FIN454	Corporate Finance
23	FIN455	Portfolio Management
24	FIN456	Financial Risk Management
25	FIN457	Derivatives
26	FIN458	Fundamentals of Treasury and Fund Management
27	FIN501	Advance Corporate Finance
28	FIN506	Business Finance I
29	FIN507	Business Finance II
30	FIN531	Financial Intermediation

Finance courses: (contd...)

S.No.	Course code	Course title
31	FIN532	Advance Credit Management
32	FIN533	Financial System – Process, Players, Status & Prognosis
33	FIN535	Treasury and Financial Derivatives
34	FIN536	Corporate Investment Banking
35	FIN541	The Strategic Management of Banks
36	FIN552	International Financial Management
37	FIN554	Investment Banking & Financial Services
38	FIN556	Security Analysis & Capital Markets
39	FIN558	Regulation & Financial Markets
40	FIN559	Islamic Finance
41	FIN560	Advanced Corporate Finance
42	FIN563	Advanced Portfolio Management
43	FIN565	Treasury and Fund Management
44	FIN567	Risk Management
45	FIN568	Derivatives & Risk Hedging
46	FIN569	Financial Econometrics
47	FIN570	Islamic Banking & Finance
48	FIN574	Financial Modeling
49	FIN577	Seminar in Finance



Department of Management

Management courses:

S.No.	Course code	Course title
1	MGT201	Principles of Management
2	MGT211	Business Communication
3	MGT221	Organizational Behavior
4	MGT301	Ethics in a Corporate Society
5	MGT311	Production and Operations Management
6	MGT400	Management Theory and Practice
7	MGT401	Small Business Management
8	MGT411	Comparative Management
9	MGT421	Entrepreneurship
10	MGT430	Managerial Policy
11	MGT503	Managerial Communication
12	MGT506	Corporate Strategy
13	MGT507	Entrepreneurial Management
14	MGT510	Operations and Production Management
15	MGT512	Strategic Human Resource Management
16	MGT513	Business Strategy
17	MGT519	Personal Effectiveness and Communication (Non-Credit)
18	MGT531	Project Evaluation & Management
19	MGT552	Strategic Management
20	MGT555	Project Management
21	MGT556	Competitive Strategy from a Customer's Perspective
22	MGT557	Organizational Behavior and Leadership
23	MGT558	International Market Entry Strategies
24	MGT561	Technology Innovation Management and Design

Entrepreneurship courses:

S.No.	Course code	Course title
1	MGT102 / 103	Foundation for Management & Entrepreneurship (FME)
2	ENT451	Marketing for Entrepreneurs
3	ENT452	Entrepreneurial Finance
4	ENT453	Business Law for Entrepreneurs
5	ENT454	Entrepreneurial Management

Entrepreneurship courses: (contd...)

S.No.	Course code	Course title
6	ENT455	Family Business Management
7	ENT456	Developing Entrepreneurial Opportunities
8	ENT457	Women's Entrepreneurship & Leadership
9	ENT458	Social Entrepreneurship
10	ENT459	Financing Entrepreneurial Ventures
11	ENT460	New Technology Ventures
12	ENT461	Sustainable Entrepreneurship Strategies
13	ENT462	Corporate Entrepreneurship
14	ENT463	Creativity and Innovation
15	ENT464	Entrepreneurial Sales Strategy
16	ENT465	Co-Curricular Activities

Human Resource Management (HRM) courses:

S.No.	Course code	Course title
1	HRM401	Human Resource Management
2	HRM430	Recruitment and Selection Techniques
3	HRM445	Occupational Health and Safety
4	HRM451	Industrial Relations Management
5	HRM452	Organizational Analysis and Research
6	HRM453	Life Career Development
7	HRM455	Portfolio Management
8	HRM456	Training and Development
9	HRM457	HR and Information System
10	HRM458	Leading the Change Process
11	HRM462	Performance and Compensation Management
12	HRM530	Recruitment and Selection Techniques
13	HRM552	Organizational Development
14	HRM557	Team Management
15	HRM558	Leading the Change Process
16	HRM562	Performance and Compensation Management
17	HRM571	Training and Development

Department of Social Sciences and Liberal Arts:

Social Sciences and Liberal Arts courses:

S.No.	Course code	Course title
1	SSC101	English Grammar & Composition
2	SSC102	Foundations of Human Behavior
3	SSC106	Intermediate English Grammar & Composition
4	SSC107	History of Economic Thought
5	SSC111	International Relations
6	SSC121	Major Themes in World History
7	SSC151	Pakistan History
8	SSC201	Arabic I
9	SSC202	Arabic II
10	SSC203	Arabic III
11	SSC204	Arabic IV
12	SSC205	French I
13	SSC206	French II
14	SSC207	French III
15	SSC208	French IV
16	SSC209	Mandarin I
17	SSC210	Mandarin II
18	SSC211	Mandarin III
19	SSC212	Mandarin IV
20	SSC213	Advanced English Composition
21	SSC216	Culture, Media, Society
22	SSC217	Introduction to Political Science
23	SSC218	Introduction to Psychology
24	SSC219	Interdisciplinary Social Science Seminar
25	SSC221	South Asian History
26	SSC231	Fundamentals of Sociology
27	SSC232	Introduction to Historical Methods
28	SSC233	Introduction to Social and Cultural Anthropology
29	SSC234	Introduction to Urban Studies
30	SSC235	Introduction to Linguistics
31	SSC238	History of Ideas II
32	SSC239	History of Ideas I
33	SSC240	Personal Effectiveness
34	SSC301	Socioeconomic Philosophy of Islam
35	SSC302	Computational Research Methods
36	SSC491/SSC492	Culminating Experience

Natural Sciences courses:

S.No.	Course code	Course title
1	NSC351	History of Science
2	NSC352	Ideas of Physics
3	NSC353	Space, Time, and Space-Time
4	NSC354	Introduction to Environmental Sciences
5	NSC355	Principles of Ecology and Conservation
6	NSC356	History of Evolution
7	NSC357	Introduction to Geology
8	NCS358	Sustainable Cities and Communities
9	NCS359	An Introduction to the Philosophy of Physics
10	NCS360	Climate Change and Us

Visual Studies and Humanities courses:

S.No.	Course code	Course title
1	HUM201	Speech Communication
2	HUM350	Empire and Vision: Between Production and Representation of South Asian Cities
3	HUM351	Great Books
4	HUM352	Reading Poetry
5	HUM353	Introduction to Drama
6	HUM354	Introduction to Urdu Literature
7	HUM355	Anglo-Indian Narratives and the Postcolonial Subject
8	HUM356	Foundations of Philosophical Thought
9	HUM357	Philosophy, Logic, and Ethics
10	HUM358	Comparative Classical Philosophy
11	HUM359	Introduction to Comparative Religions
12	HUM360	Creative Writing
13	HUM361	Theater Project: The Living Newspaper
14	HUM363	Introduction to Visual Culture
15	HUM364	History of Art I: Classical Antiquity to the Middle Ages
16	HUM365	History of Art II: Renaissance to the Present
17	HUM366	Art of the Islamic World
18	HUM367	Theories of Design
19	HUM367	Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction
20	HUM368	Colonial and Postcolonial Visual Cultures
21	HUM368	Intellectual and Cultural History of Muslim Spain
22	HUM369	The Rhetoric of Architecture
23	HUM369	The Making of the Mughal Empire: An Intellectual and Cultural History
24	HUM369	Introduction to Literary Modernism
25	HUM370	From Ghalib to Bollywood

Visual Studies and Humanities courses:

S.No.	Course code	Course title
26	HUM371	1947/1971: Interrogating Partitions, Narrative Selves
27	HUM372	History of Anthropological Thought
28	HUM376	A History of the Cold War
29	HUM377	Are We Becoming Post-Human? Technology, Society, Ethics
30	HUM378	A History of the Fable in its Greek, Arabic and Indic Traditions
31	HUM379	Don Quixote and its Andalusian Milieu
32	HUM380	Advanced Readings in Pakistan's History
33	HUM381	Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia
34	HUM382	An Introduction to the Philosophy of Mathematics
35	HUM383	Narrative and Identity in Pakistani Literature
36	HUM384	The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)
38	HUM385	A Textual Introduction to Rumi
39	HUM386	Unearthly Things and Sad Destinies: An Introduction to Literary Theory
40	HUM387	Sufism: A Social, Political and Economic History
41	HUM388	An Introduction to the Islamic Scholarly Tradition
42	HUM450	Islamic Book Arts 1200-1800
43	HUM451	Screening the Body: Gender, Race and Nation in Visual Culture
44	HUM452	Ethnographic Theory and Practice

Media and Communication courses:

S.No.	Course code	Course title
1	MCS301	Research Methods in Media and Communications
2	MCS302	Gutenberg to Google: A Social History of Media
3	MCS303	Theories of Media and Communications
4	MCS351	Media and Post-colonialism
5	MCS352	Media, Law, and Ethics
6	MCS353	Race, Class, and Gender in Film and Television
7	MCS354	The International Newsroom
8	MCS355	Analyzing the News
9	MCS356	Introduction to Visual Communication
10	MCS357	History of Commercial Art
11	MCS358	Communication in Advertising
12	MCS359	Watching Films
13	MCS360	History of Film
14	MCS361	The Non-Fiction Film
15	MCS362	Introduction to Television Studies
16	MCS363	Television Newsmagazines and Documentaries
17	MCS364	Theories of Film and Television
18	MCS365	Narratives Across Media
19	MCS366	Digital Activism and Democracy
20	MCS367	Media Convergence and the Virtual Public Sphere

Media and Communication courses:

S.No.	Course code	Course title
21	MCS368	Media Anthropology
22	MCS371	Journalism and Public Discourse
23	MCS372	Political Communication
24	MCS373	Ethnicities, Diaspora and the Media
25	MCS374	Taking it Like a Man: American Masculinities in Visual Culture
26	MCS375	Literary and Visual Cultures in a New Media Age
27	MCS376	Parallel Cinema, Gender and Realism
28	MCS401	Communication for Social Change

Political Science courses:

S.No.	Course code	Course title
1	POL301	Research Methods in Political Science
2	POL302	History of Political Thought
3	POL303	Introduction to Comparative Politics
4	POL351	Political Psychology
5	POL352	Foreign Policy in China
6	POL353	State and Society
7	POL354	War: Conceptual Underpinnings
8	POL355	Human Rights
9	POL356	Environment and Politics
10	POL357	Diplomacy in a Globalized World
11	POL358	Islam and International Relations
12	POL359	The Modern Middle East
13	POL360	Theories of Democratic Transition
14	POL361	Democracy and Difference
15	POL362	Pakistan's Foreign Policy
16	POL363	Filthy Lucre: A Political History of Money
17	POL364	Political Philosophy
18	POL365	Introduction to Foreign Policy Analysis
19	POL366	Culture and Power in Human Societies
20	POL367	Global Urbanisms
21	POL370	Politics in Colonial and Post-Colonial Punjab
22	POL371	Modern Political Ideologies: Liberalism, Socialism, Anarchism
23	POL372	Negotiation and Conflict Resolution
24	POL373	History, Theory and Practice of Diplomacy
25	POL376	Perspectives in Pakistan's Political Economy
26	POL401	International Politics
27	POL402	Political Systems and Political Regimes

Psychology courses:

S.No.	Course code	Course title
1	PSY301	Research Methods in Psychology
2	PSY302	Human Development
3	PSY303	Personality, Identity, and the Self
4	PSY304	History and Systems of Psychology
5	PSY351	Introduction to Social Psychology
6	PSY352	Organizational Behavior and Industrial Psychology
7	PSY352	Industrial and Organizational Psychology
8	PSY353	Psychology and the Media
9	PSY353	Media Psychology
10	PSY354	Psychology of Conflict
11	PSY355	Introduction to Developmental Psychology
12	PSY356	Attachment and Loss
13	PSY357	Child and Adolescent Development
14	PSY358	Psychology of Aging
15	PSY359	Introduction to Cognitive Psychology
16	PSY360	Sensation and Perception
17	PSY361	Human Memory
18	PSY362	Abnormal Psychology
19	PSY363	Psychology of Human Emotion
20	PSY364	Gender Psychology
21	PSY365	Counseling Psychology
22	PSY366	Cyber Psychology
23	PSY367	Personality Psychology
24	PSY368	Educational Psychology
25	PSY401	Language, Memory, and the Human Mind

Department of Marketing:**Marketing courses:**

S.No.	Course code	Course title
1	MKT201	Principles of Marketing
2	MKT301	Methods of Business Research
3	MKT401	Marketing Issues in Pakistan
4	MKT451	Advertising
5	MKT452	Consumer Behavior
6	MKT453	Sales Management

Marketing courses: (contd...)

S.No.	Course code	Course title
7	MKT454	Personal Selling
8	MKT455	Retail Management
9	MKT456	Export Marketing
10	MKT457	Dynamics of Distribution and Logistics
11	MKT458	Public Relations
12	MKT460	Direct Marketing
13	MKT461	Brand Management
14	MKT462	Essentials of Demand & Supply
15	MKT501	Marketing Management
16	MKT466	Digital Marketing
17	MKT503	Applied Business Research
18	MKT506	Branding and Creative Corporate Communication
19	MKT507	Marketing Analytics
20	MKT551	Advertising
21	MKT552	Consumer Behavior
22	MKT553	Entrepreneurial Management
23	MKT556	Social Marketing
24	MKT557	Dynamic Distribution & Logistics
25	MKT558	Customer Ascendancy
26	MKT559	Supply Chain Management
27	MKT561	Brand Management
28	MKT563	Digital Marketing
29	MKT566	Media Management
30	MKT569	Social Media Marketing
31	MKT570	Strategic Sourcing & Procurement
32	MKT571	Strategic Sourcing & Negotiation Skills
33	MKT573	Markstrat
34	MKT586	Retailing
35	MKT651	Personal Selling
36	MKT653	Sales Management
37	MKT656	Services Marketing
38	MKT657	Strategic Marketing
39	MKT658	Business to Business Marketing
40	MKT659	Global Marketing Management
41	MKT752	Seminar in Marketing

Department of Computer Science:

MIS courses:

S.No.	Course code	Course title
1	MIS103	Introduction to Computer Applications (2,1,3)
2	MIS150	Essential Software
3	MIS343	Data Warehousing (3,1,4)
4	MIS405	Excel & Access for Business Managers (2,1,3)
5	MIS406	Social Computing (3,0,3)
6	MIS450	Technopreneurship (3,0,3)
7	MIS454	Audit, Ethics & IS Issues (3,0,3)
8	MIS456	E-Commerce (3,0,3)
9	MIS457	IS Security
10	MIS458	Enterprise Resource Planning (3,0,3)
11	MIS459	Customer Relationship Management (3,0,3)
12	MIS463	Mobile Marketing - A Technological Perspective (3,0,3)
13	MIS464	Financial Services Technologies (3,0,3)
14	MIS502	Operations & Technology Management
15	MIS503	Enterprise Integration (3,0,3)
16	MIS513	Information: Industry Structure & Competitive Strategy
17	MIS541	SAP ABAP Programming I
18	MIS542	SAP ABAP Programming II
19	MIS550	Logistics and Supply Chain Management (3,0,3)
20	MIS552	Advanced Data Warehousing (2,1,3)
21	MIS553	Mobile Marketing Strategies (3,0,3)
22	MIS555	Auditing IT Infrastructures (3,0,3)
23	MIS564	Social Computing Applications
24	MIS565	Advance E-Commerce (3,0,3)
25	MIS566	Fundamentals of SAP-ABAP Programming I (2,1,3)
26	MIS567	Simulated Approach to SCM (1,5,1.5)
27	MIS568	Business Processes Management in ERP using SAP
28	MIS651	Theoretical Foundations of IS (3,0,3)
29	MIS653	Advanced Theoretical Concepts in IS (3,0,3)

Computer Science and Allied courses:

S.No.	Course code	Course title
1	CSE141	Introduction to Programming (3,1,4)
2	CSE142	Object Oriented Programming Techniques (3,1,4)
3	CSE145	Introduction to Computing (3,1,4)
4	CSE241	Digital Logic Design (3,1,4)
5	CSE247	Data Structures (3,1,4)
6	CSE248	Computer Communications and Networks
7	CSE307	Introduction to AI (3,0,3)
8	CSE309	Theory of Automata (3,0,3)
9	CSE312	Software Engineering (3,0,3)
10	CSE317	Design and Analysis of Algorithms (3,0,3)
11	CSE331	Operating Systems (3,0,3)
12	CSE341	Database Systems (3,1,4)
13	CSE344	Compiler Design (3,1,4)
14	CSE345	Computer Architecture and Assembly Language (3,1,4)
15	CSE351	Cloud Computing (3,0,3)
16	CSE403	System Modeling and Simulation (3,0,3)
17	CSE407	Human Computer Interaction (3,0,3)
18	CSE441	Systems Programming (3,1,4)
19	CSE448	Microprocessor Interfacing (3,1,4)
20	CSE450	Application Development for Mobile Devices (3,0,3)
21	CSE455	Network Security (2,1,3)
22	CSE459	Business Intelligence (3,0,3)
23	CSE460	Introduction to Game Programming and Robotics (3,0,3)
24	CSE462	Introduction to image processing (3,0,3)
25	CSE463	Introduction Bioinformatic (3,0,3)
26	CSE491	Computer Science Project - I (0,3,3)
27	CSE492	Computer Science Project - II (0,3,3)
28	CSE503	Software Project Management (3,0,3)
29	CSE556	Image Processing for Recognition (3,0,3)
30	CSE558	Mobile Computing (3,0,3)
31	CSE559	Image Processing (3,0,3)
32	CSE564	Software Systems Engineering (3,0,3)
33	CSE566	Software Quality Assurance (3,0,3)
34	CSE567	Requirements Engineering (3,0,3)
35	CSE569	Web Engineering

Computer Science and Allied courses: (Contd...)

S.No.	Course code	Course title
36	CSE572	Formal Methods
37	CSE575	Advanced Human Computer Interaction (3,0,3)
38	CSE576	Usability Engineering
39	CSE577	Interaction Design
40	CSE578	GUI Design
41	CSE579	Multimedia and Multi-Modal Systems
42	CSE651	Advanced Analysis of Algorithms
43	CSE652	Knowledge Discovery and Data Mining (3,0,3)
44	CSE654	Combinatorial Optimization (3,0,3)
45	CSE655	Probabilistic Reasoning (3,0,3)
46	CSE657	Essentials of Theoretical Computer Science (3,0,3)
47	CSE658	Knowledge Management and E-Learning Systems (3,0,3)
48	CSE659	Computational Intelligence (3,0,3)
49	CSE660	Computer Vision (3,0,3)
50	CSE661	Semantic Web (3,0,3)
51	CSE662	Parallel Processing (3,0,3)
52	CSE665	Information Retrieval and Web Search - I (3,0,3)
53	CSE666	Information Retrieval and Web Search - II (3,0,3)
54	CSE668	Big Data Analytics (3,0,3)
55	CSE669	MS Research Survey (0,3,3)

ICT and Allied courses:

S.No.	Course code	Course title
1	ICT512	Advanced Web Technologies (3,0,3)
2	ICT515	Distributed Systems (3,0,3)
3	ICT554	Information Security (3,0,3)
4	ICT556	RFID Technologies (3,0,3)
5	ICT651	Computer Communication Networks & Simulation - I(2,1,3)
6	ICT654	Computer Communication Networks & Simulation - II(2,1,3)
7	ICT659	Wireless Sensor Networks (1,2,3)
8	ICT660	Advanced Topics in Wireless Sensor Networks (1,2,3)
9	ICT661	Applications of Mathematical and Computational Techniques to Networking (3,0,3)
10	ICT662	WSN Protocols and Applications (3,0,3)

Department of Mathematical Sciences:**Mathematics courses:**

S.No.	Course code	Course title
1	MTS101	Calculus - I with Plane Geometry
2	MTS102	Introduction to Statistics
3	MTS104	Calculus with Application - I
4	MTS106	Calculus with Application - II
5	MTS110	Mathematical Methods
6	MTS112	Applied Probability Theory
7	MTS201	Logic & Discrete Structures
8	MTS202	Statistical Inference (with econometrics lab)
9	MTS203	Linear Algebra
10	MTS204	Calculus - III
11	MTS210	Regression Analysis and Experimental Design
12	MTS211	Discrete mathematics
13	MTS212	Business Mathematics & Linear Algebra
14	MTS231	Probability Theory
15	MTS232	Calculus - II with Solid Geometry
16	MTS241	Introduction to Differential Equations
17	MTS242	Multivariable Calculus
18	MTS301	Real Analysis
19	MTS302	Complex Analysis
20	MTS303	Advanced Differential Equations
21	MTS304	Stochastic Processes
22	MTS305	Abstract Algebra-I
23	MTS306	Numerical Analysis
24	MTS330	Optimization Techniques
25	MTS341	Real Analysis I
26	MTS411	Functional Analysis-I
27	MTS412	Functional Analysis-II
28	MTS413	Abstract Algebra-II
29	MTS414	Scientific Computing for Linear PDEs.
30	MTS430	Probability & Statistical Models
31	MTS431	Numerical Solutions of PDEs
32	MTS432	Integral Equations

Mathematics courses: (Contd...)

S.No.	Course code	Course title
33	MTS433	Advanced Numerical Analysis-I
34	MTS434	Advanced Numerical Analysis-II
35	MTS435	Differential Geometry
36	MTS436	Partial Differential Equations
37	MTS437	Fluid Dynamics-I
38	MTS438	Fluid Dynamics-II
39	MTS441	Financial Mathematics with a Computational approach
40	MTS442	Computational Finance-I
41	MTS443	Modern Algebra-I (Galiors Theory & Applications)
42	MTS444	Modern Algebra-II (Commutative Rings & Fields)
43	MTS445	Measure Theory-I
44	MTS446	Measure Theory-II
45	MTS447	Operations Research-I
46	MTS448	Operations Research-II
47	MTS451	Topology-I
48	MTS452	Introduction to Differential Topology
49	MTS453	Financial Engineering
50	MTS506	Quantitative Methods for Decision-Making
51	MTS507	Non Linear Dynamic and Choas
52	MTS508	Probability and Mathematical Statistics
53	MTS511	Advanced Real Analysis
54	MTS512	Measure Theory & Integration
55	MTS513	Topics in Algebra
56	MTS514	Topics in Commutative Algebra
57	MTS515	Advanced Numerical Analysis
58	MTS521	Scientific Computing
59	MTS525	Stochastic Processes II
60	MTS529	Stochastic Differential Equations
61	MTS533	Integral Equations-I
62	MTS536	Mathematical Statistics and Linear Algebra
63	MTS537	Mathematical Astronomy
64	MTS539	Homological Algebra
65	MTS541	Computational Algebraic Geometry
66	MTS545	Applicable Modern Geometry I
67	MTS549	Algebraic Geometry I
68	MTS551	Scientific Computing & Software

Mathematics courses: (Contd...)

S.No.	Course code	Course title
69	MTS553	Algebraic Cycles I
70	MTS557	Arithmetic Algebraic Geometry
71	MTS561	Exploratory Data Analysis
72	MTS562	Topics in Number Theory
73	MTS565	Mathematical Physics I
74	MTS569	Statistical Data Mining & Knowledge Discovery
75	MTS573	Statistical Machine Learning
76	MTS575	Topology & Geometry
77	MTS576	Scientific Computing I of PDE's
78	MTS577	Galois Theory
79	MTS581	Smooth Manifolds
80	MTS621	Numerical Treatment of P.D.E
81	MTS625	Financial Mathematics
82	MTS637	Computational Astronomy
83	MTS645	Applicable Modern Geometry II
84	MTS649	Algebraic Geometry II
85	MTS653	Algebraic Cycles II
86	MTS655	Algebraic Curves
87	MTS656	Iterative Methods for Sparse Linear Systems
88	MTS657	Polylogarithms
89	MTS658	Time Scale Calculus
90	MTS659	Computational Fluid Dynamics
91	MTS661	Multivariate Statistical Analysis
92	MTS662	Analysis on Manifolds
93	MTS664	Plane Curves and Singularities
94	MTS665	Mathematical Physics II
95	MTS666	Advanced Topology
96	MTS669	Convex Analysis
97	MTS671	Monomial Algebra
98	MTS672	Topics in Homological Algebra
99	MTS673	Computational Continuum Mechanics
100	MTS691	Topics of Special Interest I
101	MTS692	Topics of Special Interest II
102	SCI-	Physics

Courses offered by the Centre for Executive Education:

PGD Healthcare Management (Focus Hospital Management):

S.No.	Course code	Course title
1	MGT510	Operation and Production Management
2	MKT559	Supply Chain Management
3	MKT 503	Applied Business Research
4	MKT 501	Marketing Management
5	MTS 506	Quantitative Methods For Decision Making
6	MGT503	Managerial Communication
7	MGT557	Organizational Behaviour and Leadership
8	HCM504 \ SCM548	Operational Excellence and Quality Management
9	MGT512	Strategic Human Resource
10	MGT506	Corporate Strategy
11	FIN506	Business Finance
12	HCM502	Healthcare and Hospital Design
13	HCM503	Healthcare Management Information System

PGD Human Resource Management:

S.No.	Course code	Course title
1	HRM 520	Organization Structure and Culture
2	HRM 530	Selection & Recruitment Techniques
3	HRM 571	Training & Development
4	HRM538	Performance Management System
5	HRM 558	Leading the Change Process
6	MGT 557	Organizational Behaviour & Leadership
7	HRM 551	Industrial Relation Management
8	HRM 536	HR as Strategic Business Partner
9	HRM 559	Ethics, legal and Regulatory consideration in HR
10	HRM 539	Compensation & Benefits Management
11	HRM 528	HR Operation/MIS/IT/Human Resource Information System HRIS
12	HRM 537	Employee Engagement and Retention
13	HRM 555	Occupational Environment , Health & Safety

PGD Supply Chain Management:

S.No.	Course code	Course title	
1	MKT556	Supply Chain Management	Core
2	SCM531	Accounting & Finance For SC Management	Core
3	MGT510	Operation & Production Management	Core
4	MKT571	Strategic Sourcing & Negotiation Skills	Core
5	SCM533	Enterprise Resource Planning (ERP)	Core
6	SCM534	Managing Contracts & Supplier Relationship	Core
7	SCM535	Distribution & Supply Chain Network Design	Core
8	SCM542	Supply Chain Performance Evaluation	Core
9	MGT557	Organizational Behavior & Leadership	Elective
10	SCM532	Logistics: Transportation & Warehousing	Elective
11	SCM548	Quality Management for Supply Chain	Elective
12	MGT555	Project Management	Elective
13	SCM541	Supply Chain Sustainability & Business Continuity	Elective
14	LAW501	Legal & Regulatory Environment of Business	Elective
15	SCM543	Globalization and Import - Export Policy	Elective
16	SCM544	Supply Chain Modeling & Simulation	Elective
17	SCM549	Manufacturing Strategy	Elective
18	SCM545	Customer Relationship Management (CRM)	Elective
19	SCM545	Forecasting and Marketing Management (CRM)	Elective
20	PRJ701	SCM Project (Capstone)	Project



S.No.	Course title
Leadership:	
1	Discovering Leadership through Self Analysis
2	Entrepreneurial Leadership
3	Leadership Skills for Top Management
4	Managing & Leading Education Institutions
5	Strategic Leadership
6	Transformational Leadership Program
7	Women Leadership
General Management & Strategy:	
1	Acquiring a Business
2	Business Performance Measurement (BPM)
3	Customer Centric Quality Management
4	Doing Wonders with Excel 2010 (Module 1 & 2)
5	Essential Statistics for Manager
6	High Impact Train the Trainer
7	Innovation Quality Management
8	Issues of Urban Growth Explosion
9	Leading Innovative Teams
10	Negotiation & Conflict Resolution Skills
11	Problem with Problem Solving
12	Professionalizing Family Businesses and Succession Planning
13	Project Management (Module 1)
14	Strategic Decision Making
15	Strategic Project Management (Module 2)
16	Strategic Thinking & Execution for Top Management
17	Stress Management
Finance, Accounting and Law:	
1	Activity Based Costing
2	Alternative Investments
3	Bank Credit Analysis
4	Basel III
5	Business Analytics and Decision Making
6	Contract Management
7	Corporate Credit Risk Analysis
8	Corporate Law
9	Corporate Reporting: A means for Corporate Governance



S.No.	Course title
Finance, Accounting and Law: (Contd...)	
10	Equity Analysis (Module 1 & 2)
11	Finance & Accounting for Non-Finance Executives
12	Finance for Engineers & Technical Executives
13	Financial Derivatives (Module 1 & 2)
14	Financial Engineering
15	Financial Engineering & Risk Management
16	Financial Modeling (Module 1 & 2)
17	Financial Statement Analysis (Module 1 & 2)
18	Fixed Income Securities
19	Industry Analysis from Credit Perspective
20	Operational Risk Management
21	Risk Analysis of Insurance Companies
22	Sustainability Reporting
Communication:	
1	Business Communication Skills
2	Effective Presentation Skills
3	Managerial Communication Strategies for Success
4	Oral Communication Skills
5	Presentations Skills: Master class
6	Writing Techniques: A Strategic Approach
7	Written & Verbal Communication Skills
8	Written Communication Skills
Human Resource Management:	
1	Balanced Scorecard
2	Compensation & Benefits Management
3	Finance & Accounting for HR Professionals
4	HR as Strategic Business Partner
5	Interviewing Skills – Select the best
6	Life Career Development
7	Performance Management Systems
Information Technology;	
1	Business Analytics
2	Data Mining
3	Data Science
4	PeopleSoft ERP
5	SAP ERP
6	SAP ERP ECC 6.0



S.No.	Course title
Marketing & Sales:	
1	Brand & Competitive Strategies
2	Brand Communication: The Indigenous Sub-Continent Perspective
3	Branding for Success
4	Building Powerful Brands for Higher Profits
5	Building Strong Pharma Brands
6	Channel Management Dynamics
7	Creativity in Advertisement
8	Cult Branding
9	Customer Services Excellence
10	Effective Participation in Trade Exhibitions
11	Export Marketing: Manufacturing Locally, Competing Globally
12	Finance for Sales & Marketing Executives
13	Integrated Brand Communications
14	Laws of Branding: Application in Pakistan
15	Media Planning Dynamics
16	Mobile Marketing Strategies
17	Neuro Branding
18	Optimal Pricing Strategies
19	Publicity
20	Sales Force Management
21	Sales Management & Customer Service Excellence
Supply Chain:	
1	Making Supply Meet Demand in an Uncertain World
2	Materials Management & MRP in SAP ERP
3	Sales & Operation Planning
4	Supplier Negotiation
5	Supplier Performance Management
6	Supply Chain Management (Fundamentals)
7	Supply Chain Management (Strategy and ERP)
8	Supply Chain Management for Pharma Companies
9	Supply Chain Management Game
Quality Management:	
1	Applicative Six Sigma – Green Belt Level
2	Cost of Quality



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2018 Calendar

July						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October						
Su	Mo	Tu	We	Th	Fr	Sa
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November						
Su	Mo	Tu	We	Th	Fr	Sa
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December						
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

2019 Calendar

January						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February						
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17	18	19	20	21	22	23
24	25	26	27	28		

March						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April						
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June						
Su	Mo	Tu	We	Th	Fr	Sa
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Gazetted/public holiday 2018

Independence day	14 August, 18
Eid-ul-Azha*	22, 23 & 24 August, 18
Ashura*	20 & 21 September, 18
Birthday of Allama Iqbal**	9 November, 18
12 Rabi ul awal*	21 November, 18
Birth anniversary of Quaid e Azam	25 December, 18

Local/optional holidays 2018

Death Anniversary of late Zulfiqar Ali Bhutto**	4 April, 18
Urs of Shah Abdul Latif Bhattai (14 Safar)*	24 October, 18
11 Rabi ul awal**	20 November, 18
APS Peshawar Holiday**	16 December, 18
Death Anniversary of late Benazir Bhutto**	27 December, 18

Gazetted/public holiday 2019

Kashmir day	5 February, 19
Pakistan day	23 March, 19
Labor day	1 May, 19
Eid-ul-Fitr*	4, 5 & 6 June, 19
Independence day	14 August, 19
Eid-ul-Azha*	11, 12 & 13 August, 19
Ashura*	8 & 9 September, 19
Birthday of Allama Iqbal* *	9 November, 19
12 Rabi ul awal**	9 November, 19
Birth anniversary of Quaid e Azam	25 December, 19

Local/optional holidays 2019

Death anniversary of late Zulfiqar Ali Bhutto**	4 April, 19
Urs of Shah Abdul Latif Bhattai (14 Safar)*	13 October, 19
11 Rabi ul Awal**	8 November, 19
APS Peshawar holiday**	16 December, 19
Death Anniversary of late Benazir Bhutto**	27 December, 19

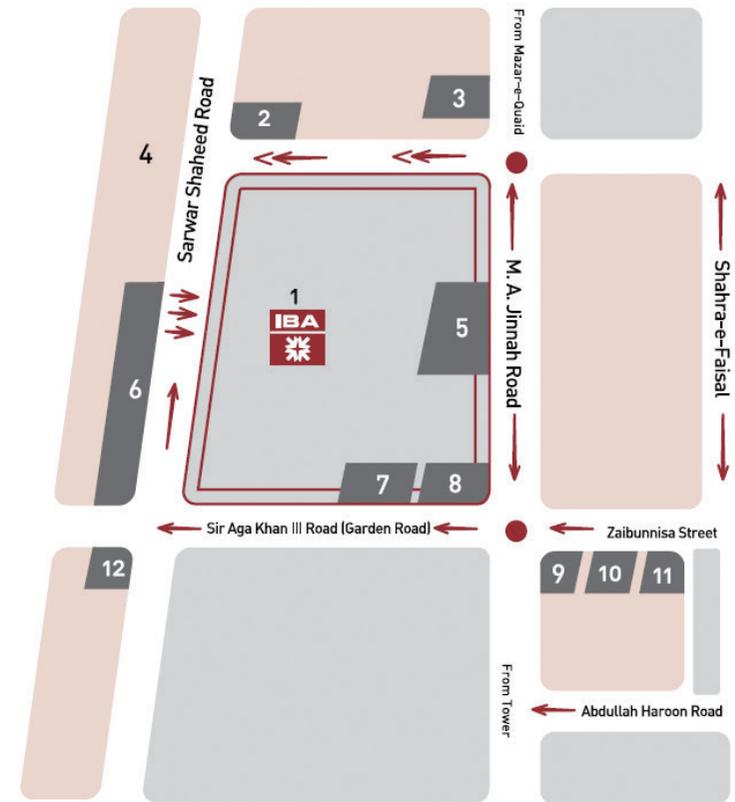
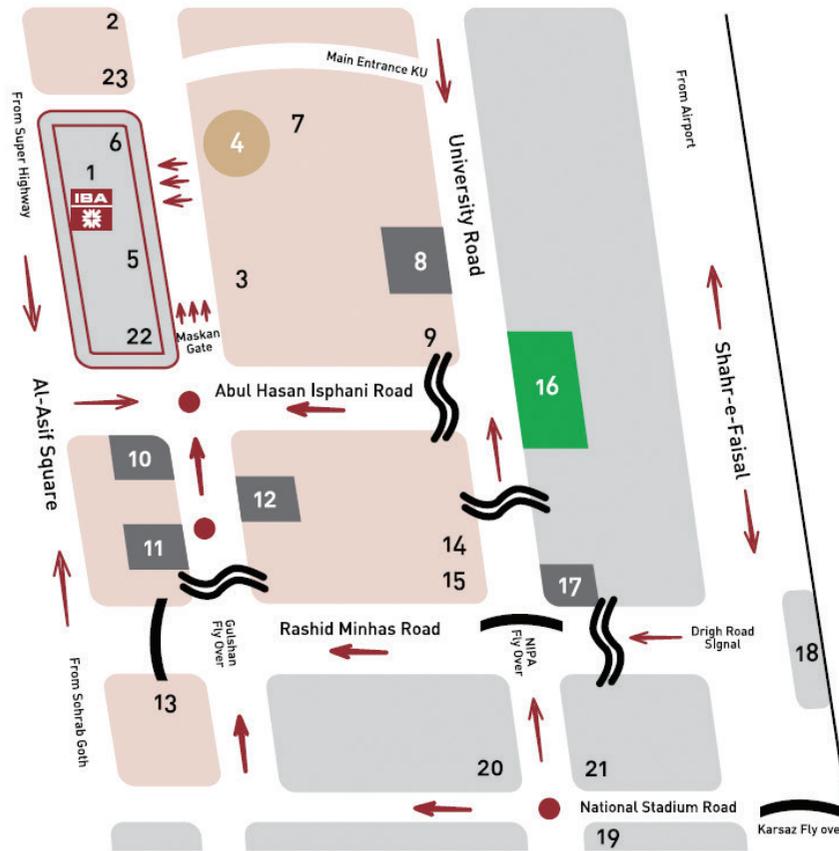
* Subject to Sighting of the moon

** Subject to receiving notification from the Govt. of Sindh

Direction map

Main campus

City campus



- | | | |
|--------------------------------------|------------------------------|---------------------|
| 1. IBA main campus | 10. Maskan apartments | 19. Civic center |
| 2. IBA staff town | 11. Disco bakery | 20. Hasan square |
| 3. IBA boys hostel | 12. KFC | 21. Expo center |
| 4. Cricket ground | 13. Oxford school | 22. Bhayani heights |
| 5. Commerce department | 14. Petrol pump | 23. HEJ |
| 6. Applied economics research center | 15. Nadeem medical centre | |
| 7. United bank limited | 16. Safari park | |
| 8. Ned university | 17. Nipa | |
| 9. SSGC | 18. Drigh road train station | |

- Traffic signal/square long distance flyover
- Park/ground

- | | |
|-------------------------------------|-------------------------|
| 1. IBA city campus | 10. Bambino cinema |
| 2. OMI hospital | 11. Star cinema |
| 3. Prince and princes cinema | 12. Anklesaria hospital |
| 4. Headquarter pakistan coast guard | |
| 5. Nishat cinema | |
| 6. Apwa building | |
| 7. Pakistan medical association | |
| 8. Kandawala building | |
| 9. Lyrics cinema | |

- Traffic signal/square one
- ←←← -way traffic

The Karachi edge

The city of Karachi encapsulates a multitude of cultures, nations, architecture, sight-seeing places, career opportunities and so much more. It is a standing monument to the efforts of the Father of the Nation, whose dream is now a reality and which we now live in today. The 3rd largest city in the world with regard to population and the 20th largest metropolis in the world, its flyovers, high rises and expansive roads present never-ending opportunities for ambitious and creative minds looking for innovation and challenges. While holding its glorious title as the gateway to Asia, the city generates 65% of the total national revenue and is the major port city of the country.

This industrial, financial and commercial powerhouse of the country has more than 600 listed companies on its stock exchange and is the headquarters of most of the local and multinational companies in Pakistan. It offers ample career opportunities in various market sectors including financial institutes, oil and petroleum industry, FMCGS, multinationals, telecommunication / media, television, production, publishing, software production, business and market research, education and tourism and so on.

If one is looking for recreation then this city will not disappoint anyone! Bowling, go-carting, cinemas, amusement and water parks like Aladdin and dream world, gaming zones, boating, and crabbing; it's all here. The Arena offers the best ice-skating, rock-climbing and swimming experiences while concerts, theatres and drive-in cinemas await to give one the movie experience of the life time.

A city is incomplete without any landmarks of its history and culture. However, one will find plenty of these in the city of lights. Top of the list is the white marble glory of the Quaid-e-Azam's mausoleum. The most visited sight of all, this memorable place is home to hundreds of tourists who come to pay respect to the father of the nation and admire the beauty of the structure and the impressive change of guards' ceremony. In addition, museums like Maritime, PAF and National museum; art galleries like Fayzee Rahman Art Gallery, Sadequain Gallery in Frere Hall and the ancient splendor of the Mohatta Palace add value to this city.

Finally, from a professional point of view, it is noteworthy that this city is a hub of local and international business organizations. All major employers of Pakistan are located in Karachi, making it a perfect choice for a business school. IBA, Karachi welcomes you to this extraordinary city and promises you the experience of your lifetime!





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