IBA

Institute of Business Administration Karachi

Leadership and Ideas for Tomorrow

PROGRAM ANNOUNCEMENT
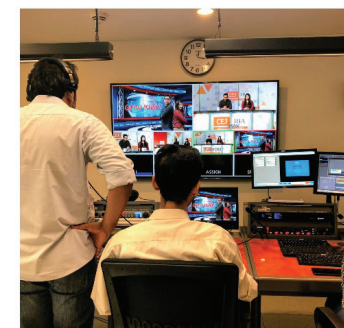
2020–21

Table of Contents

Message of the Registrar

It gives me immense pleasure to welcome you to the IBA, Karachi. Keeping the new normal in mind, it is essential for us to respect the Covid-19 SOPs to make the IBA a safe environment for students, faculty, and staff.

The Office of the Registrar is striving to create a conducive environment for teaching and research. I encourage you to put in your best efforts to bring enhancement to the educational experience and to step towards our ultimate goal of being positive contributors to our societies with high morals and standards.

I encourage you to go through this comprehensive document to get yourself acquainted with the rules and regulations of the Institute. The Office of the Registrar will be an open platform for the students, so feel free to suggest points for improvement and development.

As always, we intend to support and facilitate you in your learning and academic pursuits.

I wish you all the best for the upcoming year and new endeavours.

Dr. Mohammad Asad Ilyas
Registrar

Vision

To be among the best learning institutions in Pakistan.

Mission

The IBA aims to impart quality education in numerous educational fields to students selected on merit, irrespective of ethnicity, gender, religion, or financial means. With that, it intends to provide a teaching and learning environment that encourages critical thinking, ethical conduct and effective decision making. Moreover, students are encouraged to undertake original research that enriches teaching which benefits business, government and civil society.

Academic Calendar 2020-21

Summer semester 2020

Online Course Registration – 10 to 13 June, 2020

Summer Semester begins: June 15, 2020 (Monday)

Months/dates	Total days	Sundays	Holidays	Exam days	Teaching days
June 15, 2020	16	2	-	-	14
July, 2020	31	4	1	2	24
August 09, 2020	09	-	3	2	04
Total days	56	6	4	4	42

Activity	Action by	Commencement date	Completion date
Midterm exams	Controller of Examinations	July 09, 2020	July 10, 2020
Faculty evaluation	Students	July 27, 2020	August 07, 2020
Final exams	Controller of Examinations	August 08, 2020	August 09, 2020
Results of Final Examinations	Faculty	August 08, 2020	August 16, 2020
Comprehensive exam		September 19, 2020	

Fall semester 2020

Online Course Registration – 01 to 14 September, 2020

Fall Semester begins: September 15, 2020 (Tuesday)

Months/dates	Total days	Sundays	Holidays	Exam days	Teaching days
September 15, 2020	16	2	-	-	14
October, 2020	31	4	2	-	25
November, 2020	30	5	-	-	25
December, 2020	31	3+1*	1	04	23
January 06, 2021	06	1*	-	06	-
Total days	114	16	3	10	87

Activity	Action by	Commencement date	Completion date
Midterm exams	Controller of Examinations	No Midterm exams	-
Faculty evaluation	Students	November 10, 2020	December 26, 2020
Last class	-	December 26, 2020	-
Final exams	Controller of Examinations	December 28, 2020	January 06, 2021
Results of Final Examinations	Faculty	December 28, 2020	January 16, 2021
Comprehensive exam		Saturday, January 16, 2021	

* Exams / Makeup Class

Short Winter Semester 2021: 07-21 January, 2021

Academic Calendar 2020-21

Spring semester 2021

Online Course Registration – January 07-20, 2021

Orientation Day: January 21, 2021 (Thursday)

Spring Semester begins: January 22, 2021 (Friday)

Months/dates	Total days	Sundays	Holidays	Exam days	Teaching days
January 22, 2021	10	2	-	-	08
February, 2021	28	4	1	-	23
March, 2021	31	4	1	6	20
April, 2021	30	4	-	-	26
May 27, 2021	27	4	4	10	09
Total days	126	18	6	16	86

Activity	Action By	Commencement date	Completion date
Midterm exams	Controller of Examinations	March 13, 2021	March 19, 2021
Faculty evaluation	Students	April 28, 2021	May 12, 2021
Last class	-	May 11, 2021	
Final exams	Controller of Examinations	May 17, 2021	May 27, 2021
Results of Final Examinations	Faculty	May 17, 2021	June 06, 2021
Comprehensive exam		August 21, 2021	

Note: Eid Holidays May 13-15, 2021

Summer Orientation Program 2021 (MBA): July 01, 2021 to August 28, 2021

Summer semester 2021

Online Course Registration – June 01-06, 2021

Summer Semester begins: June 07, 2021 (Monday)

Months/dates	Total days	Sundays	Holidays	Exam days	Teaching days
June 07, 2021	24	3	-	1	20
July, 2021	31	4	3	1	23
August 03, 2021	03	1	-	2	-
Total days	58	8	3	4	43

Activity	Action by	Commencement date	Completion date
Midterm exams	Controller of Examinations	June 30, 2021	July 01, 2021
Faculty evaluation	Students	August 02, 2021	August 12, 2021
Last class	-	July 31, 2021	-
Final exams	Controller of Examinations	August 02, 2021	August 03, 2021
Results of Final Examinations	Faculty	August 02, 2021	August 13, 2021

Note: Eid Holidays July 20-22, 2021

Fall semester 2021

Online Course Registration – August 02-21, 2021

Orientation Day: August 22, 2021 (Sunday)

Fall Semester begins: August 23, 2021 (Monday)

Programs on offer

Admission Schedule Fall – 2020

Activity	BBA, BSACF, BSECO, BSSSLA - ROUND-1	BBA, BSACF, BSECO, BSSSLA - ROUND-2	BSEM & CS
Online Forms Availability	Friday, January 3, 2020	Friday, April 17, 2020	Friday, May 15, 2020
Form Submission Deadline	Friday, January 31, 2020	Friday, June 26, 2020	Wednesday, July 22, 2020
Issuance of Admit Cards	January 29 – 31 , 2020 (to be emailed to all candidates)	June 24 - 26, 2020 (to be emailed to all candidates)	July 20 - 22, 2020 (to be emailed to all candidates)
Aptitude Test Date	Sunday, February 09, 2020	-	-
Announcement of Aptitude Test Result	Tuesday, February 18, 2020	-	-
Interviews	February 20 – 23, 2020	July 16 – 19, 2020	August 4 – 6, 2020
Final Result (After Interviews)	Tuesday, February 25, 2020	Monday, July 20, 2020	Friday, August 7, 2020
Commencement of Classes	Monday, August 17, 2020	Monday, August 17, 2020	Monday, August 17, 2020

Activity	MBA (Morning/Evening)	MBA Executive	MS (CS/ECO/IBF/MATH/JOURNALISM/MANAGEMENT) & PhD (CS/MATH/ECO)
Online Forms Availability	Monday, March 2, 2020	Friday, July 3, 2020	Friday, May 08, 2020
Form Submission Deadline	Tuesday, June 02, 2020	Friday, July 17, 2020	Friday, July 17, 2020
Issuance of Admit Cards	June 01 - 02, 2020 (to be emailed to all candidates)	July 15 – 17, 2020 (to be emailed to all candidates)	July 15 - 17, 2020 (to be emailed to all candidates)
Aptitude Test Date	-	-	-
Announcement of Aptitude Test Result	-	-	-
Interviews	June 10 to July 01, 2020	Saturday, July 25, 2020	July 24 – 28, 2020
Final Result (Interviews)	Thursday, July 2, 2020	Wednesday, August 5, 2020	Monday, August 03, 2020
Commencement of Classes	Monday, August 17, 2020	Saturday, September 05, 2020	Monday, August 17, 2020

Commencement of Fall 2020 session:

Sunday, August 16, 2020 — Start of the Academic Session for new entrants
Sunday, August 16, 2020 — Orientation of Fall 2020 entrants
Monday, August 17, 2020 — Fall 2020 classes commence

S. No.	Information	Bachelor of Business Administration (BBA)	Bachelor of Science (BS)					Master of Business Administration (MBA)	
			Computer Science	Economics and 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 of 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 of 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) in the last degree (candidates with work experience will be preferred).	
2	Aptitude test component	• English composition (MCQs) • Mathematics (MCQs)	• English composition (MCQs) • Mathematics (MCQs)			• English composition (MCQs) • Mathematics (MCQs)		• English composition (MCQs) • English comprehension (essay writing skills) • Mathematics (MCQs)	
3	**Aptitude test - difficulty level	SAT-I	SAT-I and SAT-II (Mathematics)			SAT-I		GMAT/GRE	
4	Aptitude test exemption*	See below						Minimum 600 score in GMAT/ 160 in quantitative and 150 in verbal GRE (int'l)	
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, 128 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship (optional)	40 courses, 128 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship	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 2020	Rs. 260,000/- semester	Rs. 218,000/- semester				Rs. 260,000/- semester	Rs. 260,000/- semester	Tuition fee of Rs. 41,250/- per course and 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

*Note on admission requirement – Exception from the above policy due to Covid-19 Pandemic:
Due to the unprecedented interruptions caused by Covid-19 Pandemic, special (one-time) exception from the above policy has been created to facilitate the candidates whose academic year has been affected by the Covid-19 Pandemic. Program-wise details of these exceptions are available on IBA website (www.iba.edu.pk).

**The following are exempted from appearing in the IBA Aptitude Test:

BBA & BSAF 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
- Total of 1270 is required.
- Scores of Essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission

BSSS & BS ECO 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
- 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

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, BSECO 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

Programs on offer

S. No.	Information	MBA Executive — Various specializations	MS — Computer Science	MS — Economics (full time)	MS — Economics (part time)	MS — Mathematics (full time)	MS — Mathematics (part time)	MS — Islamic Banking and Finance	MS — Management	MS — Journalism	MS — Data Science	MS — Finance	PhD — Economics	PhD — Computer Science	PhD — Mathematics
1	*Admission requirement	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) in the last degree and a minimum of 3 years of post qualification experience (mandatory).	A minimum of 16 years of education in the relevant discipline 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) in the last degree.			A minimum of 16 years of education (BS/M.Sc. - Mathematics, Physics, Computer Science, Statistics) and 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) in the last degree.		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 4.00 , or 60% marks in their last degree (as applicable). 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 4.00, or 50% marks in their last degree (as applicable). All equivalency claims shall be evaluated by the HEC. Applicants with prior journalism experience are encouraged to apply.	A minimum 16 years of education in the relevant subject of Science (such as Computer Science, Statistics, Economics, Mathematics, Accounts & Finance, Physics, etc.) and Engineering (Electrical Engineering, Electronics Engineering, etc.) with a minimum CGPA of 2.5 out of 4.00 (in a semester-based system), or 60% marks (in annual system) in their last degree.	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 work experience are preferred.	MS/MPhil/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.		
2	Aptitude test component	• Business English (MCQs) • Case study • Applied Mathematics (MCQs)	• English composition (MCQs) • Mathematics (MCQs) • Subject specialization	• English composition (MCQs) • Mathematics (MCQs) • Economics (MCQs)		• English composition (MCQs) • Mathematics (MCQs)		• English composition (MCQs) • Mathematics (MCQs)	• English composition (MCQs) • Mathematics (MCQs) • Essay writing	• English composition (MCQs) • Essay writing • GK/Current affairs	• English written test • Mathematics written test	• English Composition (MCQs) • Mathematics (MCQs)	• English composition (MCQs) • Mathematics (MCQs) • Subject specialization		• English composition (MCQs) • Mathematics (MCQs)
3	**Aptitude test - difficulty level	GMAT/GRE	GRE general + specialization			TOEFL or IELTS GRE (int'l) math subjective test		GRE general and GMAT		–	GRE general	GRE General or GMAT exam	TOEFL or IELTS GRE general + specialization	CS subject test	TOEFL or IELTS GRE Math subjective test
4	Aptitude test exemption*	Minimum 600 score in GMAT/ 160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitative and 150 in verbal GRE (int'l)			60 percentile in GRE (int'l) Maths subjective test		160 in quantitative and 150 in verbal GRE (int'l) 600 score in GMAT		–	Minimum score of 650 in the Quantitative GRE General, 160 in Quantitative section of Revised GRE General, OR 600 score in GMAT	–	160 in quantitative and 150 in verbal GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test
5	Student profile	Avg. age: mid 30's Avg. work experience: 7 years	Avg. age: mid 20s							Avg. age: 20s - 30s			Avg. age: 26		
6	Graduation requirement	22 courses, 72 credit hours, 1 project, comprehensive exam	MS without thesis 9 courses (27 credit hours) and a research survey (3 credit hours), or MS with thesis: 8 courses (24 credit hours), Research survey (3 credit hours) and Research Work (3 credit hours)	42 credit hours, 12 courses and 1 thesis 6 credit hours, 36 credit hours through courses, 6 credit hours through thesis		6 core courses, 2 electives, 24 credit hours, thesis 6 credit hours		MS core and elective courses: 16 courses, 48 credit hours, MS 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	MS without thesis 9 courses (27 credit hours) and a research survey (3 credit hours), or MS with thesis: 8 courses (24 credit hours), Research survey (3 credit hours) and Research Work (3 credit hours)		11 courses, 1 dissertation, 67 credit hours	8 courses, 24 credit hours, Proposal Defense, and Dissertation, 6 credit hours	6 courses, 18 credit hours, comprehensive exam, synopsis proposal, dissertation
7	Fees fall 2020	Rs. 41,250/- per course	Rs. 133,500/- semester for all full time MS students Rs. 41,250/- per course and Rs. 8,000/- other semester charges for part time MS students								Rs. 103,250/- semester for all full time MS Data Science students	Rs. 163,750/- semester for all full time MS Finance students	monthly stipend and full tuition fee waiver		
8	Classes start	August and January	August					August and January	August	August	August		August		August and January
9	Duration	2.5 years	2 years							1.5 years	2 years	1.5 years	4 years		
10	Campus	main	city	main/city			city			main	city	main	main	main/city		

Undergraduate programs

The IBA launched the 2-year Bachelor of Business Administration (BBA) program in 1968 under the patronage of University of Karachi and later on a 4-year BBA in 2002. To meet the international standards, IBA changed the curricula of its bachelor programs after acquiring status of the degree awarding institute. The BS Computer Science program was introduced in 1999. In 2002, the IBA undergraduate programs were upgraded to 4-year degree programs. Considering the growing demand of certain courses in the market, the IBA introduced a series of BS programs, including BS Economics and Mathematics, BS Social Sciences and Liberal Arts and BS Accounting and Finance in 2012 and 2013. The IBA has also introduced the BS Economics program in 2018.

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 working executives and managers who were interested in progressing 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 defence of a thesis or dissertation, is a major constituent of graduate studies. The MS 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 a revamped curriculum. The 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 a wonderful opportunity to professionals to acquire a world class degree in Business Administration without leaving their jobs. The introduction of MS Computer Science and MS Economics in 2008 and 2010 respectively further diversified the streams of graduate programs and enabled graduate students to work outside their specific field of study at graduate level. On the other hand, the MS programs 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. The IBA recently launched MS Journalism, MS Islamic Banking and Finance and MS Management, while another new program MS Data Science will commence in August 2020.

Doctoral programs

The IBA launched its PhD Computer Science program in the year 2005 and PhD Economics and PhD Mathematics in 2011. These three PhD level programs epitomize IBA's endeavour 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 degree pursuers.

Postgraduate diploma programs

IBA Karachi recently started four postgraduate diploma (PGD) 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 over a year with 12 courses and a live project. These courses will help bridge the competency gap in Pakistan and enhance 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 which assists them in the application of their knowledge. The studies will also be augmented by online learning facilities through the Learning Management System. The following accreditations, consultants and partnerships help the program participants in preparing for an advanced skillset and immediate application of knowledge in the workplace:

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

Associate Deans and Chairpersons

Associate Deans

Dr. Sayeed Ghani

Faculty of Computer Science
PhD (Electrical Engineering/Telecommunications),
Columbia University, USA
MS (Electrical Engineering), Columbia University, USA
BS (Electrical Engineering), MIT, USA

Dr. Huma Naz Siddiqui Baqai

Faculty of Business Administration
PhD (International Relations), University of Karachi
MA (International Relations), University of Karachi
BA University of Karachi

Chairpersons
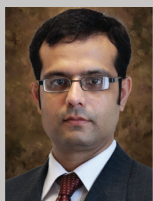
Accounting and Law
Haroon Tabraze

Computer Science
Dr. Sajjad Haider

Economics
Dr. Asma Hyder

Finance
Dr. Ahmad Junaid

Management
Dr. Mohammad Kamran Mumtaz
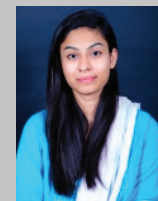
Marketing
Dr. Farah Naz Baig

Mathematical Sciences
Dr. Hisham Bin Zubair

Social Sciences and Liberal Arts
Dr. Sahar Nadeem Hamid

Full Time Faculty at a glance

PhD (Foreign)	66
PhD (Local)	16
Masters (Foreign)	29
Masters (Local)	15
Total	126
Pursuing Higher Education (Abroad)	14
Pursuing Higher Education (Local)	02
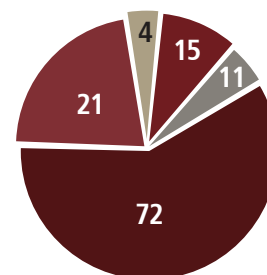
Pie chart 1:
- Professor
- Associate Professor
- Assistant Professor
- Lecturer
- Teaching Fellow

Values: 4, 15, 11, 21, 72

Pie chart 2:
- PhD: 82
- Masters: 44
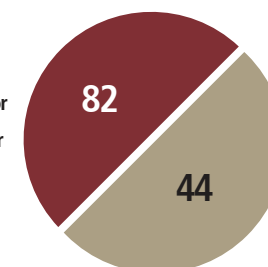
Department of Accounting and Law

Haroon Tabraze
Chairperson
Faculty Member

PhD (Pursuing) from University of Leicester, UK

Annie Ahmad
Lecturer

Masters (Economics), University of Karachi, Pakistan

Mahreen Nazar
Assistant Professor

LLM, James Beasley School of Law, Temple University, USA

Mohammad Azam Ali
Assistant Professor

PhD Juris Doctor (Doctor of Law), Columbia Law School, Columbia University, USA

Mohammad Sohaib Saleem
Assistant Professor

LLM, University of California, Berkeley, School of law (Bocult Hall), USA

Mohsin Ali Patel
Assistant Professor

Pursuing DBA Split, University of Central Lancashire (UCLan), UK

Morial Shah
Assistant Professor

LLM, (Harlan Fiske Stone Scholar), Columbia Law School, New York, USA

Muhammad Asif Jaffer
Assistant Professor

DBA (Doctorate of Business Administration), Grenoble Ecole De Management, France

Syed Sharjeel Ahmed Hasnie
Assistant Professor

Pursuing DBA, Grenoble Ecole De Management, France

Zahra Riaz Nakhoda
Lecturer

CA, Institute of Chartered Accountants of Pakistan

Department of Computer Science

Sajjad Haider
Chairperson
Professor
PhD (Information Technology), George Mason University, USA

Mohammad Shoaib Jamal
Assistant Professor (Long leave)
PhD (Mathematics), University of California San Diego, USA

Shakeel Ahmed Khoja
Professor
PhD (Computer Science), (Post-Doc Fellowship), University of Southampton, UK

Amber Gul Rashid
Assistant Professor
PhD (Business and Management), Salford University, UK

Muhammad Waseem Arain
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Pursuing PhD, Institute of Business Administration, Karachi, Pakistan

Syed Irfan Nabi
Assistant Professor
PhD (MIS), Institute of Business Administration Karachi, Pakistan

Imran Khan
Assistant Professor
PhD (Computer Science), Institute of Business Administration, Karachi, Pakistan

Nasir Touheed
Professor
PhD (Computer Sciences), University of Leeds, UK

Tahir Syed
Assistant Professor
PhD (Computer Vision Summa Cum Laud), at PRES ParisSud, France

Imran N. Junejo
Professor (Long leave)
PhD (Computer Science), School of Electrical Engineering and Computer Sciences, University of Central Florida, USA

Quratulain Nizamuddin Rajput
Assistant Professor
PhD (Artificial Intelligence Lab), Institute of Business Administration, Karachi, Pakistan

Tariq Mahmood
Associate Professor
PhD (Machine learning), University of Trento, Italy

Imran Rauf
Assistant Professor
PhD (Computer Science), Max Planck Institute for Computer Science, Germany

S. M. Faisal Iradat
Assistant Professor
PhD (Computer Science), Institute of Business Administration, Karachi, Pakistan

Umair Azfar Khan
Assistant Professor
PhD (Game Programming, Artificial Intelligence, Planning Graphs), Kyushu University, Japan

Jibran Rashid
Assistant Professor
PhD (Computer Science), University of Calgary, Canada

Sayeed Ghani
Associate Professor
PhD (Electrical Engineering/Telecommunications), Columbia University, USA

Zaheeruddin Asif
Assistant Professor
PhD (MIS), Temple University, USA

Department of Economics

Asma Hyder
Chairperson
Professor
Post Doc , University of Pennsylvania, USA

Aadil Nakhoda
Assistant Professor
PhD (International Economics), University of California, USA

Abbas Ali Gillani
Assistant Professor
PhD (Economics), University of Southampton, UK

Adnan Haider
Professor
PhD (Economics), Pakistan Institute of Development Economics, Islamabad, Pakistan

Ajaz Ahmed
Assistant Professor
Pursuing PhD (Economics), Durham University Business School, UK

Amir Jahan Khan
Assistant Professor (Long leave)
PhD (Economics), University of Warwick, UK

Fatima Sadik
Teaching Fellow
MS (Economics), Institute of Business Administration, Karachi, Pakistan

Heman Das Lohano
Professor
PhD (Applied Economics), University of Minnesota, USA

Ilfan Oh
Assistant Professor
PhD (Economics), The New School for Social Research, USA

Irene Martínez Fernández
Lecturer
Masters (Science, Development Economics), SOAS, University of London, UK

Ishrat Husain
Professor Emeritus
PhD (Economics), Boston University, USA

Khadija Malik Bari
Assistant Professor
PhD (Development Finance), Strathclyde University,UK

Lalarukh Ejaz
Assistant Professor
PhD (Innovation and Enterprise), University of Southampton, UK

Mehwish Ghulam Ali
Lecturer (Study leave)
Pursuing PhD (Economics & Marketing), RMIT University, Australia

Mohammed Nishat
Professor
PhD (Economics), University of Auckland, New Zealand

Naved Ahmad
Professor (Long leave)
PhD (Economics), Northeastern University, USA

Qaiser Munir
Professor (Long leave)
PhD (Economics/Finance), University Malaysia Sabah (UMS), Malaysia

Qazi Masood Ahmed
Professor
PhD (Economics), University of Bath, UK

Rabbia Tariq
Teaching Fellow
MPhil (Economics) Quaid-I-Azam University, Pakistan

Sonan Ahmed Memon
Teaching Fellow
MPhil (Economics), University of Oxford, UK

Wali-Ullah
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Head of Testing Services

Admission policy and procedures

IBA, since its inception, has never compromised on quality in its standards of student intake, classroom instruction, discipline, assessment and testing. The challenge has been to continue the emphasis on quality, while promoting a culture of inquiry, innovative thinking, and intellectual and moral growth. In order to strive for excellence, 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 for the 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 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 all undergraduate programs, there will be an aptitude test. Candidates may choose their specializations after a minimum of two years of study at the 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 their inability to pay the IBA fee. Such candidates will be encouraged to apply for financial assistance and will be facilitated if they meet its 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, aptitude test, group discussion and interviews

The admission is based on a 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/SATII/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

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-years experience in a hospital
- Nurse graduates with a minimum of 5 years 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. IBA 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

Transferable course credits

Course credits are transferable from Lahore University of Management Sciences, Karachi School for Business and Leadership, top 100 universities 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), as well as from the universities with which the 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 3.00 or above on a scale of 4.00 or equivalent. The candidate is further required to have passed all stages of IBA admissions process and have been offered admission at IBA.
- IBA reserves the right to accept or reject any transfer candidate.
- When deemed appropriate, 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.

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.

Admission policy and procedures

Admissions procedure

Online applications are accepted through IBA online admissions system. The link to the IBA online admissions system is https://onlineadmission.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 admit card will be emailed to candidates during 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 the 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. Students are required to read all instructions given on the back of the admit card carefully. The applicants should bring their admit cards along with a photo I.D. 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

Names of the candidates who qualify the aptitude test and are eligible to participate in the group discussion and interview activities will be displayed on IBA's website. These candidates are to report to the venue at the designated date and time before the interview and group discussions.

Required documents

Candidates are required to bring the following original documents on the day of group discussion and interview (where applicable):

- Matriculation/O'level certificate with transcript/marks sheet. Higher secondary school certificate (Part I)/A' level (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 (MBA Program)

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's website. These candidates will get their admission letter, fee challan, and other documents through an email sent by the admissions office. As a prerequisite for issue of admission letter and other documentation, all successful candidates are required to deposit the transcripts bearing proof of them having met the minimum academic eligibility requirements for the respective programs.

Fee and enrollment

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 a refund). These candidates must, however, submit copies of following documents attested by a gazetted officer to complete the enrollment process:

- Matriculation/O'level certificate
- HSC/A'level 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 the fee challan deposit slip
- Photos x 2 (passport size)

*where applicable

Correct name spelling

Every successful candidate must check the spelling of their name and father's name at the time of enrollment. The name spelling used on Matric (SSC)/O level is used on all academic credentials issued by the IBA.

Every successful candidate is also required to provide complete contact information and their CNIC number in the ERP at the time of enrollment.

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.

Note – Exception from the above policy due to Covid-19 Pandemic:
Due to the unprecedented interruptions caused by Covid-19 Pandemic, special (one-time) exception from the above policy has been created to facilitate the candidates whose academic year has been affected by the Covid-19 Pandemic. Program-wise details of these exceptions are available on the IBA website (www.iba.edu.pk).

Quality Enhancement Cell (QEC)

The Quality Enhancement Cell (QEC) works with both internal and external stakeholders to ensure that IBA's academic quality undergoes a process of continuous improvement. The QEC works with the Head of Departments, Program Directors, students and faculty to ensure a quality-based academic environment. At its very basic level, the QEC ensures compliance with the Higher Education Commission (HEC) directives for quality improvement.

Moreover, the QEC liaises with regulatory bodies including HEC, national accreditation agencies such as the National Business Education Accreditation Council (NBEAC) and the National Computing Education Accreditation Council (NCEAC), international accreditation bodies such as Association of Management Development Institutions in South Asia (AMDISA) and the Association to Advance Collegiate Schools of Business (AACSB), as well as academic quality organizations such as the International Network for Quality Assurance Agencies in Higher Education (INQAAHE), The Talloires Network and Asia Pacific Quality Network (APQN). These linkages result in an incredible source of exchange of ideas for innovation in academia.

Additionally, the QEC forms part of the national network of QECs established by the HEC in higher education institutions. The IBA QEC participates actively in the national arena and ensures IBA is represented at all relevant platforms. As a connecting bridge between internal quality and external best practices, the QEC plays an important role in ensuring IBA continues to be at the cutting edge of innovation in academia.

The QEC maintains semester-wise course files, conducts surveys, shares survey findings with the management, administers the anti-plagiarism software and ensures timely completion of faculty evaluation. The QEC is always open to suggestions for improvements and looks forward to contributing to the improvement in the quality of the Institute according to the national and international standards of education.

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

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 appropriate behavior during their studies at the IBA. A student shall be deemed to have lost good standing if their conduct and behavior is found objectionable from a disciplinary point of view. Consequently, their 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. 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. Late comers are marked absent even if late by one minute; no excuse is accepted. If a student accumulates more than the permissible absences, they are awarded 'F' in that particular course. Students found tampering with attendance records in any way will immediately be expelled from the Institute. The permissible number of absences for students will include participation of the IBA students in conferences/seminars/events, sports at national/international level, an exchange program, religious activities (pilgrimage etc.) and add-drop week.

Permissible absences per semester are mentioned in the following table:

Semester type	Duration of session	Total sessions	Allowed absences
Spring or fall	75 or 90 minutes	28	5 for full time students 7 for part time students
Spring or fall	150 or 180 minutes	14	2 for full time students 3 for part time students
Spring, summer, fall	180 minutes	12 MBA-Executive only	3
Summer	120 minutes	18	3
Winter	180 minutes	12	2

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

Cheating and 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 comply. 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 Program may seek advance credit for not more than two required courses, which they may have successfully completed while being students in the certificate 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

Additional course policy for undergraduate programs

Students are allowed to take one additional course only under the following conditions:

If a student has a course deficiency due to failure in a course, it may be overcome by taking one additional course in their 7th or 8th semester.

There is no minimum CGPA requirement in the aforementioned cases and students may enroll in an additional course without obtaining special permission from the Associate Dean. All other students are 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 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	18	15	16	16	15	15
BS (Accounting and Finance)	15	15	15	15	16	15	15	15
BS (Computer Science)	17	16	17	17	16	16	15	12
BS (Economics and Mathematics)	15	15	16	15	17	16	19	15
BS (Economics)	15	15	15	15	16	16	19	15
BS (Social Sciences and Liberal Arts)	15	15	16	16	16	16	16	18

Normal course load for graduate program

Programs	Credit Hours		Conditions
	Spring or Fall Semester	Summer semester	
MBA (full time - Morning)	18	3 to 6*	*Only 3 credits in summer if doing internship
MBA (part time - Evening)	6 to 9* Or 6**	3 to 6	*9 credits if CGPA is above 3.00 **If enrolled in Corporate Strategy then only 6 credits are allowed in that semester
MBA (Executive)	9 to 12*	9 to 12*	*12 credits if CGPA is above 3.00
MS (Mathematics)	12	3*	*3 credits for removal of deficiency
MS (Computer Science)	9	3 to 6	Part-time students may take a maximum of 9 units in a regular semester
MS (full time - Economics)	12 to 15	3 to 6	Up to 18 credits if doing MS thesis
MS (Islamic Banking and Finance)	12	3 to 6	-
MS (Management)	12	3 to 6	-
MS (Journalism)	15	3 to 6	-
MS (Data Science)	12	3 to 6	-
PhD (Mathematics)	9	-	-
PhD (Economics)	9 to 12*	-	*12 credits is maximum
PhD (Computer Science)	9 to 12	3	-

A student cannot take additional course(s) in any semester except in the final semester to complete course work.

Part-time students of MS programs may take 3 to 9 credits in spring and fall semesters.

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 and 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, they are not allowed to withdraw from that course and is awarded with "F".

Full-time students are allowed to withdraw from up to 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.

Withdrawals from courses can be requested by submission of the course withdrawal form (obtainable from Program Office) to the respective Program Office within one week after announcement of the midterm examinations result.

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 they are 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 if such a break was requested during the semester.

Make-up examinations

The following policy is applicable to all academic programs at the IBA.

i. Full time (morning) program students

Under normal circumstances, no make-up examination shall be allowed for missing a midterm or final examination. However, if an exam is missed due to oversight or some non-emergency but urgent event, a makeup exam may be approved with a deduction of 15% of obtained marks. Make-up exam fee of Rs. 10,000 per course shall also be applicable.

ii. Part time MBA/MBA Executive/MS program students

Evening MBA, MS or MBA Executive program students, who are sent out of Karachi or called on site during midterm or 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 a midterm exam or a final exam of each course in a semester.

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 their organization giving details of their official assignment.

2. Evidence of official travel comprising tickets or other documents 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.

Extraordinary circumstances for make-up examination (applicable to all students)

The extraordinary or unforeseen circumstances for a make-up exam are:

1. Personal illness requiring hospitalization or emergency medical care.

2. Bereavement due to demise of a parent.

3. Severe illness of a relative (parent, spouse) e.g. their hospitalization for surgery or due to critical medical condition.

4. Out of town travelling (official visit) for part-time students as mentioned above (II a and b).

5. 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 within 3 weeks of midterm exam and 6 weeks of final exam. Medical documents would require authentication by recognized hospitals for acceptance as evidence. Hard copies of evidence may be required. Similarly, proof of travelling (copies of tickets, passport visa page and entry/exit endorsement pages), official letter from employer are required for official visit cases.

Decision of a make-up exam

The Academic Committee (AC) may on the recommendation of the concerned program director/coordinator and faculty member, consider allowing make-up exam. The committee's decision in this regard shall be final. A make-up exam may be requested for either a midterm or final exam of each course in a semester.

In case a student misses their midterm/final exam due to the abovementioned circumstances they may apply for "I" (incomplete) with all supporting documents including medical certificates via the SFS to the AC. If the AC is satisfied with the genuineness of the claim, then it may award an "I" grade for the course. If an exam is missed due to some reason other than the abovementioned circumstances, then a deduction of 15% obtained marks shall be applicable if the case gets approved by the AC. However, if the AC is not satisfied with the genuineness of the case, then the grade applicable with respect to obtained marks shall be awarded by the course teacher.

Make-up exam fee

Rs. 10,000/- per course

Mode of make-up exam

After a formal approval of the make-up exam request the course teacher shall set up a make-up exam to be conducted by the examinations department.

Or

The concerned student may appear for the missed exam in the following semester (when the course is on offer) without attending classes provided the attendance of that student was complete.

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 either midterm or final exam per course within 1 month of release of final grades of all courses studied in a particular semester.

Grading and evaluation

Student performance is evaluated through a system of assessments spread over the entire period of their studies. Students are assessed through a series of short quizzes, class discussions, written assignments, research reports, presentations on different topics, midterm and final exams. All these assessments contribute to the final grade. 60% of the final grade is based on the semester work including midterm exam and the remaining 40% on semester final examination. However, the Institute reserves the right to modify these weights.

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 cumulative grade point average (CGPA) is computed as a weighted average of the grade points and credit hours for all the courses taken by the student at the end of every semester. Final grades in each course are converted to grade points according to the following absolute grading plan:

Grade		Marks	GP per unit
A	A	93-100	4
	A-	87-92	3.67
B	B+	82-86	3.33
	B	77-81	3
	B-	72-76	2.67
C	C+	68-71	2.33
	C	64-67	2
	C-	60-63	1.67
F	F	0-59	0
I	I	Incomplete	
W	W	Course withdrawn	

CGPA = Sum of (credit hours x grade points)/sum of credit hours

The initial CGPA of part-time program students is calculated on the basis of the first 6 courses taken by them.

The credits for courses studied from one of the top 100 universities of the world, LUMS, KSBL and the universities with which IBA has Memorandum of Understanding (MoU) for student exchange, will be included in their CGPA. However, the credits for grades earned from universities/institutes other than those mentioned above will be decided on a case-to-case basis by the Academic Board (AB) and will not be included in the CGPA calculation. This will be applicable for all degree programs at IBA.

Dean's Honour List

The Dean's Honour List (also called Dean's list) is an honorary academic list of students who are exceptional performers at the IBA. The list is published at the end of spring and fall semesters for undergraduate degree programs, full time MBA, and spring, summer and fall for MBA Executive students. It is also 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 their ID card as a symbol of distinct identification which also allows them to avail benefits such as book discounts. Additionally, the said special mark will be displayed on the high achiever's transcript and against their entry in the graduate directory.

Criteria for Dean's List

The following will be the criteria for including a student's name on the Dean's List, which will be finalized by the Dean's list committee:

• The cumulative grade points average(CGPA) must be greater than or equal to 3.5.

• The student must have completed at least 4 (3 or more credit hour) courses in a regular semester. Undergraduate students in their last semester with 3 or less courses remaining are required to take 4 or more courses in order to be eligible for the Dean's List provided all other criteria are met. MBA Executive students must have completed 3 (3 or more credit hour) courses in the semester.

• The student must not have been subjected to any disciplinary action within the Institute during the semester. (Disciplinary actions will include all those actions for which a student can be suspended).

• Students who obtain an academic semester average of 90% or more will earn the honor of the Dean's List with distinction.

Award of medals or shields for best student

The top student of each program qualifying the 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, 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 marks 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 abovementioned criteria, they 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/shield described above.

• The student must have completed the normal course load for each semester of their program.

Minimum GPA requirements for BBA/BS/MS/MBA/MBA Executive degree programs

A student must maintain a minimum CGPA of 2.20 on a cumulative basis during their stay at the IBA. Any student with a CGPA of less than 2.00 would be dropped from the rolls of the Institute. Such a student may submit an appeal to the Academic Board (AB) via the Academic Committee (AC) for an additional semester of studies to improve his/her CGPA to 2.0 or higher value. The decision of the AB shall be final and binding for such cases. Every such appeal must have strong documentary justification before presentation to the AB. The appeal may be submitted to the Associate Dean Office within 1 week of notification by the examinations department.

If a student's CGPA falls between 2.00-2.19 (probation range), they would be issued a warning letter and put on probation and permitted to study maximum of 3 (3 credit hour) courses in the next regular (spring/fall) semester or 1 (3 credit hour) summer course in which they are registered. The next semester of studies (probation semester) need not be subsequent to the one in which the CGPA fell between 2.00-2.19.

At the end of the probation semester, a probationer is required to improve their CGPA and bring it up to the required minimum 2.20. However, if the CGPA still remains within the probation range then the probation shall continue in the next semesters of studies in which the probationer may study until the CGPA improves to a value of 2.00 or higher. A warning letter shall be issued at the end of every semester and the probationer may study maximum of 3 (3 credit hour) courses in the next regular (spring/fall) semester or 1 (3 credit hour) summer course.

If a student fails to pass certain courses and yet manages to maintain their CGPA equal to or above 2.20, they are allowed to repeat and clear the course(s) or substitute(s) (wherever permissible) before the degree is awarded to them provided that the enrollment period has not expired.

The CGPA is computed at the end of each semester including a summer semester that a student might have enrolled in. First term undergraduate students must have studied 15 credit hours except BSCS for which 17 credit hours must have been studied. All master degree program students must have studied 18 credit hours. Withdrawn courses are not counted in the CGPA calculation.

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

If the CGPA of a student in the final semester is less than 2.20 but above 2.00, then the student shall be required to repeat one semester of the lowest academic standing or certain courses in order to bring their CGPA up to 2.20 with the following conditions:

If the student succeeds in improving the CGPA (minimum 2.20), then they will be eligible for award of the degree for the program in which they are enrolled, subject to fulfillment of coursework and other applicable partial degree requirements. Otherwise such a student shall be issued transcript of credits earned and no degree shall be awarded.

The time period to remove the deficiency and to bring CGPA to a minimum 2.20 is one year and it should be within the enrollment period.

GPA requirement for an award of PhD degree

A PhD scholar is required to have a CGPA of above 3.0 after completion of coursework to be eligible for the comprehensive exam. Anyone with a CGPA below 2.5 shall be dropped from the program. A transcript of credit for the studied courses may be issued to a drop out student.

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 the medal and Dean's List.
• This option will not be available to those students who have graduated or have been dropped out.

Summer semester

The summer semester is for improvement of grades or removal of deficiencies if any. Students are not allowed to register for an advanced credit or additional course, and can take a course that they have failed or dropped earlier. Students doing summer internship, are allowed to remove deficiency in one course during the summer semester. Students not doing an internship, can clear up to two deficiencies. Students may withdraw from one course during the summer semester. Withdrawal should be sought within a week after the announcement of the midterm examination result.

Internship evaluation

The summer internships for full-time students are closely monitored and evaluated. Feedback about the performance of the intern is obtained from their supervisor. At the end of the internship, the student submits an internship report, certificates and the evaluation form filled by the company supervisor to the Career Development Centre.

Students who do not submit their internship reports shall not be issued transcripts and degrees until submission of the reports.

Comprehensive examination

Every MBA and MBA Executive student is required to pass the MBA comprehensive examination after completion of their core courses. This examination is held after every regular semester (in January and August). A maximum of three attempts are allowed to pass the comprehensive examination within the enrollment period. Students, who fail to pass the comprehensive examination, are eligible for a provisional transcript of credit for coursework only. MBA comprehensive examination is a partial degree requirement for award of degree.

Every PhD scholar is required to pass PhD comprehensive exam (maximum 2 attempts are allowed) after completion of coursework in maximum 2 years. Any PhD student who fails to pass the comprehensive exam within 2 years shall be dropped from the program. This exam comprises of sub-exams on different subjects studied during the coursework as described below:

- PhD CS: 5-hour exam comprising of 5 papers (set by at least 3 different examiners) in a single day.

- PhD Mathematics: 4-hour exam comprising of 4 papers in a single day.

- PhD Economics: 2 exams of 4-hour duration on 2 separate days. Each exam comprises of 3 parts with individual examiners but aggregate pass/fail result of the exam.

Proposal and dissertation defense for PhD programs

Every PhD student is expected to pass the dissertation proposal defense within one year and maximum of two years after passing the comprehensive exam. The Doctoral Guidance Committee (DGC) may allow multiple attempts within the enrollment period. Failing to pass the proposal defense within 2 years would result in dropout from the program.

Candidacy is granted after successful dissertation proposal defense. A PhD candidate is expected to complete and submit the dissertation for evaluation within two years of proposal defense. Two extensions of one year each may be given by BASR upon recommendation of the DGC if the enrollment period has not expired.

An appeal may be submitted to the BASR via DGC for extensions which shall be considered on a case-to-case basis and in compliance of HEC rules. If the appeal is rejected, then the candidate shall be dropped from the program.

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 the 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's degree (if applicable)

- Attested photocopy of Master's 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 they 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 they must get an equivalency certificate from the IBCC

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

Students with O'Levels or similar certificates that do not contain father's name are required to submit documentary evidence of their father's name spelling in the form of CNIC, FRC, or passport.

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 particulars (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 the equivalency certificate from IBCC 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.

All academic credentials must have the same nomenclature and identification credentials may have a slightly different nomenclature. However, it is advisable to have same nomenclature on all documents.

For additional information and details visit:
https://examinations.iba.edu.pk/

Time-bar rule

Every student admitted to some program at the IBA has to complete the academic 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 MS programs	4 years
PhD	8 years
PGD*	3.5 years

An extension of enrollment may be requested from the Academic Board (AB). The AB would consider the request on a case-to-case basis and may grant an extension of 1 to 2 semesters. If the appeal is rejected by the AB, then the student shall be eligible for a transcript of credit for the coursework only. His/her name shall be dropped from the rolls of the IBA. Any student with an expiring enrollment period should approach the respective program director and submit a formal application with strong justification for an extension in enrollment.

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

*In case an MBA (evening) student opts to do PGD only, then 3.5 years' time limit will apply, otherwise the student may continue and complete their MBA (Evening) in 7 years.

Transcript of credit and degree certificate

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 a 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). MS/PhD students are also required to submit a copy of their research-survey/thesis to the library and obtain clearance from the library. All graduating students must verify their particulars like name and father's name spellings, CNIC, DOB on the ERP before requesting a transcript or degree. A revision note shall be mentioned on any transcripts or degree issued if any particular is changed after generation of the document and charges will also be applicable. Provisional and official copies of original transcript of credit may also be requested for admission to universities upon payment of Rs. 2500/- .

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 from the ERP system.
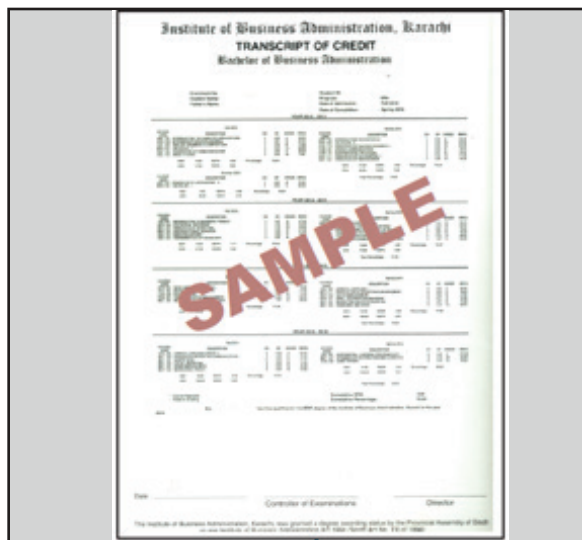
Degree

As per HEC guidelines, in order to graduate, students at the IBA have to complete (a) four years of studies and (b) the required course load and credit hours for an undergrad degree. This is applicable to all undergraduate programs and students of all categories (fresh/internal transfer/transfer through retake).

Degree is issued within 15 working days from the date of application. An additional fees of Rs. 6,000/- 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 PhD Programs: Rs 10,000/-

Duplicate transcript/degree

In case a transcript/degree has been lost, duplicate transcript/degree can be requested by submitting a formal application to the examinations department along with:

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

A revision note shall be mentioned on each duplicate document indicating the details and invalidation of the lost document.

Fee structure

Morning programs

Particulars	BBA and MBA	BS (Accounting and Finance)	BS (Computer Science, Economics, Economics and Mathematics, Social Sciences and Liberal Arts)	MS (Economics, Mathematics, Computer Science, Journalism, Management)	MS (Data Science)	MS (Finance)
Tuition fees	247,500	247,500	205,700	121,000	90,750	151,250
Student activity charges	4,500	4,500	4,500	4,500	4,500	4,500
Lab cum library charges	4,500	4,500	4,500	4,500	4,500	4,500
Examination charges	1,500	1,500	1,500	1,500	1,500	1,500
Development charges	2,000	2,000	2,000	2,000	2,000	2,000
Total recurring charges	260,000	260,000	218,200	133,500	103,250	163,750
	Additional course fee - Rs. 41,250/-	Additional course fee - Rs. 41,250/-	Additional course fee - Rs. 41,250/-	Additional course fee - Rs. 30,250/-	Additional course fee - Rs. 30,250/-	Additional course fee - Rs. 30,250/-

Evening programs

Particulars	MS (Economics, CS, IT and Mathematics, Islamic Finance) MBA (evening)	
	Tuition fees	Total fee (including lab, exam and development charges)
One course	Rs. 41,250	Rs. 49,250
Two courses	Rs. 82,500	Rs. 90,500
Three courses	Rs. 123,750	Rs. 131,750
Four courses	Rs. 165,000	Rs. 173,000
Lab cum library 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/-

MBA Executive

Tuition fee	Pak rupees
Per course charge	Rs. 41,250/-

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. 66,000/-

Mode of payment

- Fee can be deposited at all branches of Faysal Bank Limited and Meezan Bank Limited in Pakistan

Notes

- Figures are subject to approval by the IBA Board of Governors
- Degree fees will not be charged to students joining from fall 2017 and onwards (except for programs not charging admission fees)
- The charges mentioned above are for one semester only, except for admission charges
- 5% advance tax will be charged to students having annual fee above Rs. 200,000/- according to Section 236I of Income Tax Ordinance 2001 (Non-filers only)
- All regular (MBA Morning and undergraduate) 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 Finance department at 021-111 422 422 Ext. 2319, 2321 and 2356.

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 are 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. Eligible students may be offered scholarship grants to offset all or part of tuition fee. 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 the academic year and reviewed by the designated committee. During the academic year 2019-20, as many as 874 students (approximately 27% of the full-time regular student body) received financial assistance of Rs. 304 million in the form of need-based scholarships, Talent Hunt Program and work-study schemes.

Eligibility

Financial assistance shall be offered to eligible applicants who have been assessed as needy.

Eligible students may be offered scholarship on the course basis (earlier it was on semester basis). Following are the conditions to cover Fall, Spring and Summer semesters:

1. Students enrolled in morning program only; not of evening programs.
2. Repetition and improvement courses are not covered.

The types of financial assistance offered to eligible students are described briefly below:

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. Please consult SOPs listed under "rules for student recruitment-internship, part-time employment and teaching/research assistants" available with the IBA's HR department.

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. General endowment funds placed by organizations, companies and individuals with the Institute is another source of financial assistance. The investment proceeds of such funds are used to provide financial assistance for students. For more details, consult the revenue section on the following extensions: 2319, 2356 and 2321.

Corporate sponsorships

For more details, please contact Resource Mobilization Department.

For more details, interested students are encouraged to approach the financial aid office or visit:

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

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

Life at IBA

Facilities and infrastructure

IBA, Karachi has two campuses: main and city campus. Situated at the University of Karachi, IBA main campus is spread over 23 acres of land for educational facilities, 22.5 acres of residential complex and 4.5 acres of boys hostel, adding up to 50 acres of land. IBA city campus situated at Kayani Shaheed Road, Garden Road spreads over 3.5 acres which makes a total of 53.5 acres of land for both the campuses.

The expansion of IBA over the years has been due to the developmental strategy, introduction of new programs and the hiring of qualified faculty. The institute has planned to establish two additional satellite centers/campus in North Nazimabad Town and Defence Housing Authority.

Both existing campuses have undergone a major revamp since 2008. It includes refurbishment of some buildings and addition of some new state-of-the-art buildings. The development of new facilities and infrastructure at both the campuses includes construction of 10 new multi-storied buildings comprising of academic blocks, one specially designed building for the Center for Entrepreneurship Development, Student Center Complex with indoor sports, an auditorium, technology building housing a disaster recovery for ICT, Martin Dow Clinic, a 14-storied multipurpose Aman Tower and three hostel buildings. Additionally, five ancillary support buildings have been constructed including central power building, sewerage treatment plant, stores. Eleven existing buildings were remodeled, expanded and refurbished as part of the development strategy. IBA had 47 functioning buildings in 2017 and 29 in 2000 as a result of revamping of facilities and infrastructure. The covered area under instructional, administrative and amenities space has correspondingly increased from almost 230,000 sq.ft. to 696,000 sq. ft.

The main campus located within the boundaries of the University of Karachi comprises of around 40 classrooms, eight seminar rooms, five computer labs, and 14 breakout rooms. These are located in the three academic buildings, namely the Adamjee Academic Center, Abdul Razzak Tabba building and the Aman Center 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 experience. These academic facilities are augmented by the Ghani and Tayyab auditorium which has a seating capacity of 300, a library, a video conferencing lab and a faculty lounge.

Additionally, the main campus houses a sprawling Student Center, complete with gymnasiums for both male and female students, a large cafeteria, an event hall, indoor table tennis and badminton courts, outdoor sports field for cricket and football, tennis courts, a volleyball court, a basketball court, a jogging track and a 450-capacity amphitheatre.

The city campus is at the heart of the business district of Karachi. It consists of the Aman Tower, Chinoy Administration Building, Faysal Bank Academic Block, Habib Bank Academic Building, Center for Executive Education, which together fields excellent premises for various programs. Existing facilities include 28 classrooms and eight computer/ICT laboratories. The city campus has Center for Executive Education (CEE), Center for Excellence in Journalism (CEJ), Center for Information and Communication Technology (CICT), Center for Business and Economic Research (CBER) and Centre for Excellence in Islamic Finance (CEIF), which are fully functional and situated in the 14-storied building complex known as the Aman Tower. To meet the growing needs of faculty, researchers, students and various functional departments for information and communication technology systems, a data center has been constructed meeting tier III specifications, which is fully functional and is situated at the city campus.

IBA also provides residential facilities for full-time IBA students. The boys hostel comprises of an old block having accommodation of about 125 students and the new hostel block A, having a total capacity of about 150 students, while block B with the capacity of additional 120 students has been established recently whereas block C is under construction which will provide an additional accommodation of 102 students. Besides this, a block comprising of 96 beds hostel is located in the IBA staff town area for female students. The facilities include dining, indoor and 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.

IBA also provides campus residence facilities for faculty and other non-teaching staff. There are 24 residences of different sizes and 10 servant quarters, as well as a block to provide accommodation to visiting faculty members.

With the objective to make the campuses environment friendly and combat climate change, the IBA Karachi has taken a number of initiatives. In this regard, IBA has installed an air quality monitoring device at Adamjee Academic Centre to measure the air quality in the building. The Institute has taken positive initiatives for clean energy with less dependency on fossil fuel. With a strategy to plant around 3500 trees in record time, the Institute is playing its part in giving back to the environment. Two auto chlorination plants have been installed in both the campuses to provide clean water to users daily. The Institute is actively moving forward in terms of development as it is installing 23000 LEDs in both campuses to reduce energy consumption. The next step is to install solar panels to provide clean energy and cut utility bills up to 25%.

Information and Communication Technology (ICT) infrastructure and services

The Information and Communication Technology department provides ICT services to both the campuses – main and city – hostels and staff town, serving a total of around 4,000 users on-and-off campus including 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.

A brief description of the ICT facilities at IBA is as follows:

- Tier III compliance data center 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;

- 631 Mbps of internet connectivity for wired and 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 ERP and HRMS for supporting faculty, finance, human resources and general administrative matters;

- Faculty presentation system which serves as a platform for the evaluation and hiring of new faculty;

- IBA Job Portal enables students to upload their CVs and apply for various jobs in National and Multinational companies;

- Student Facilitation System being used by students to submit various types of requests using online forms;

- Clinic Management System facilitates booking of an online appointment for counselling and other related matters;

- IBA Events Calendar to view events and happenings at the IBA, Karachi;

- TA/RA Management System to upload working hours of Teacher Assistants and Research Assistants for tracking record of the workload to facilitate in their payment process;

- Facility to make Online payments/donation to IBA using bank cards;

- Societies Election System for registration of societies and voting of the preferred candidates;

- TA Allocation System to apply for TA-ship and get selected through a standard selection procedure;

- Online Degree/Transcript System to make an online request to issue students their degrees and transcripts;

- IBA Mobile Application to get instant notifications and alerts about news and various events being held at the Institute;

- A complete portal to register and manage IBA Alumni along with online election module for the selection of Alumni representative on the Board of Governors.
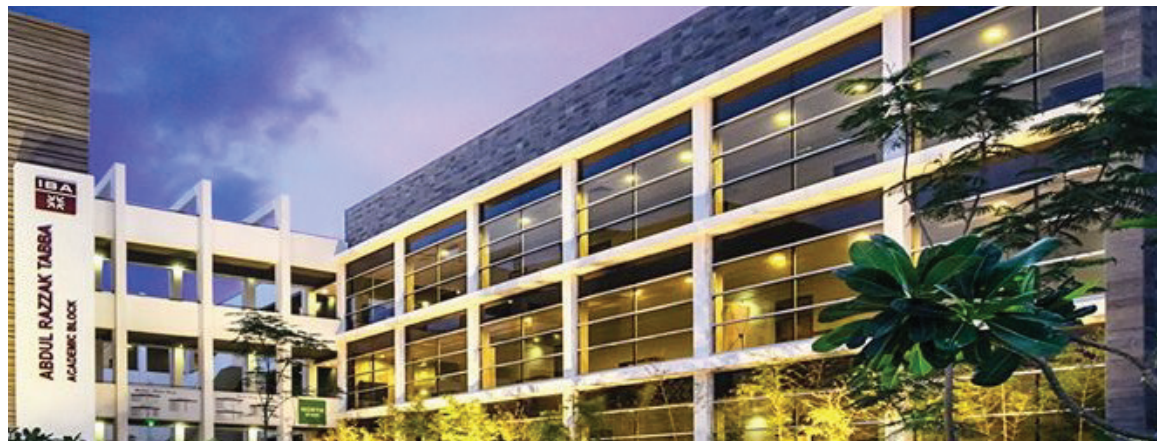
Transportation

IBA facilitates the commute of its students between both the campuses via a daily shuttle service offered during multiple slots during the day. IBA also provides a transport service for students – who wish to avail it – coming from different areas of the city. Moreover, both campuses are easily accessible via public transport.

Both campuses have adequate parking space to accommodate the vehicles of faculty, staff and students.

Cafeterias

The IBA cafeterias at the main and city campuses cater to the needs of the Institute's populace with hygienic meals, snacks and refreshments that are available at affordable rates. Primary cafeteria facilities at the main campus can be found at the Alumni Students' Center in the form of a Pepsi dining hall with several food outlets. The cafeterias at the Aman CED and the Adamjee Block also offer their services to the students and faculty on working days.

Library

Library supports teaching, learning, and research at the Institute through the proactive acquisition of appropriate resources and provision of new services that are crucial to the promotion of learning. There are two libraries at the Institute, one at each campus. Library regularly updates its collections with the latest learning materials, including books, e-books, case studies, electronic databases and support materials for indigenous research.

Library facilities on both campuses provide an enlivening learning environment. The library spaces have been designed to take into account the contemporary styles of learning and include collaborative learning spaces, individual study spaces, multimedia facilities, research nooks, laptop friendly spaces and leisure study spaces.

The library offers a rich collection of multi-disciplinary full-text digital databases including e-books, e-journals, e-newspapers, case studies and industry-related research analysis reports. The library has subscribed to more than 25 electronic databases that provide access to around 10,000 e-journals and 125,000 e-books. The library houses more than 70,000 volumes in print, while around 2,000-3,000 new titles (on average) are purchased annually.

To know more about library facilities, please visit: http://library.iba.edu.pk

Gymnasium

The facility of gym is available for IBA students, staff, faculty and alumni in both main and city campuses. These gyms are well equipped with different workout machines enabling users to select a variety of workout plans. Moreover, the gym instructor educates users about fitness and provides training to strengthen and maintain their physical health. Additionally, gym equipment for visiting faculty residence and girls hostel has been procured for future development.

Life at IBA

On Campus Accommodation – Hostels for Boys and Girls

Overview

The IBA Karachi provides hostel facility to its full-time, regular students from outside Karachi. Two hostels, one each for female and male students, are located within the premises of University of Karachi. Both the hostels are secure spaces, guarded 24/7 by trained security professionals and through CCTV surveillance.

The hostels are spread over on an area of 2.5 acres, surrounded by lush green lawns, trees, and gardens. Hostels' design amalgamates the needs of modern urban living with sustainability, while vast and open corridors enable a pleasant, properly ventilated living space.

The IBA hostel life is a testimony to IBA's diversity and inclusivity. Residents come from all over Pakistan, as well as from other countries and bring with them different cultural, economic, social, and religious backgrounds to share a similar bond, which is their association with the prestigious institution and with each other. The IBA hostels provide an atmosphere where students can learn and develop life-long associations while enjoying a comfortable setting.

Residents' security is a top priority for the institute and the hostels are guarded 24/7 by professional security personnel, with the entrance and exit points under constant CCTV surveillance. The IBA Girls hostel is a secure, residential complex for the institute's female students, managed by a female superintendent and a resident-warden. The hostel is located near the IBA campus with the facility of a regular shuttle service.

The residents of both the hostels are encouraged to live like one big family, offering each other a helping hand wherever required and making hostels a home away from home. The hostel management makes tremendous efforts to provide the residents a clean, hygienic and congenial environment to facilitate this brief but an integral part of their professional journey.

Discipline and compassion for fellows are two core values that the hostel management encourages and inculcates among students. The hostels foster a sense of ownership among residents, enabling them to create memories that they cherish for years. The hostel management also encourages the hostel residents to participate in numerous cultural and social activities that are organized by the Hostel Society. Some of these include annual welcome dinner for the hostel freshman batch, Eid-Milad-un-Nabi, Basant and Diwali celebrations, cricket and football tournaments, and annual farewell dinner for the hostel graduating batch.

Facilities

All rooms are equipped with a smart wardrobe, study table with drawer, and a single bed with a closet compartment for additional storage. Below are the details of the facilities at hostels:

1. Air-conditioned common rooms and TV lounges
2. Indoor gyms
3. Multi-purpose rooms for extra-curricular activities and green spaces for outdoor sports and other activities
4. Air-conditioned dining halls
5. High-speed internet facility
6. Prayer room
7. Subsidized laundry services (for men's hostel)
8. Chilled water dispensers (potable water)
9. 24 hours tuck shop/ vending machine
10. On-campus healthcare facility
11. On-campus mental wellness counsellor

Boys hostel

Capacity:	370
Single Rooms:	336
Shared Rooms:	07
Dormitories:	10

For queries, please contact:

Mr. Mashooque Ali, Superintendent
mabhatti@iba.edu.pk
Ext. 2400

Mr. Mujahid Hussain, Warden
mhussain@iba.edu.pk
Ext. 2015

Girls hostel

Capacity:	120
Shared Rooms:	60

For queries, please contact:

Ms. Mahreen Nazar, Superintendent and Patron
mnazar@iba.edu.pk
Ext. 2603

Ms. Samiya Sheikh, Warden
sshaikh@iba.edu.pk
Ext. 2042

Apply for accommodation:
https://www.iba.edu.pk/forms/DPO/Hostel_Room_Allotment.pdf

Talent Hunt Program

Talent Hunt Program

Introduction

The Talent Hunt Program (THP) was launched at the IBA, Karachi in 2004. It selects students of HSSC parts I and II, who face financial challenges and belong to the less privileged areas across Pakistan, on the basis of their merit, talent and capabilities, in order to equip them with the means to pursue higher education from renowned universities of Pakistan, such as the IBA. THP provides these students a two-month-long orientation training on scholarships during summer vacations to prepare and groom them for the comprehensive admission process of BBA and BS degree programs. Students selected on merit are offered admissions at the IBA and are provided up to 100% scholarship on tuition fees and other living expenses for the four-year degree programs.

For further details, visit: http://nthp.iba.edu.pk/

and https://www.facebook.com/IBA.NTHP

Participation success

1,150 plus students have been facilitated so far due to the orientation training program at the IBA, of which more than 350 have successfully qualified for the admission process. Moreover, more than 270 plus students joined and continued studying on scholarship in BBA/BS degree programs, out of which 133 students have graduated.

Those who were unsuccessful in getting into the IBA have obtained admissions in other higher education institutions, so the success rate of the orientation training program is close to 100%.

Outreach activities

The THP team performed rigorous outreach activities from the year 2016 to 2020 in 116 districts across Pakistan, covering four agencies of FATA, 19 districts of Balochistan, 20 districts of KPK, 36 districts of Punjab, eight districts of Azad Kashmir, eight districts of Gilgit Baltistan and 21 districts of Sindh. The team also conducted 358 career counseling, information and awareness sessions at colleges, attended by approximately 50,495 students, with the exclusive aim to diversify the student's ratio in the program.

Maisam Ali
Parachinar (Kurram)
BBA (THP – Batch 2019-20)

I belong to Kurram agency that has low education opportunities and the majority of students don't even know the different career and education options other than the conventional fields. I came to know about the NTHP through awareness and marketing campaigns. I found IBA-IT National Talent Hunt Program a golden opportunity and a complete package of learning and scholarship, so I applied and gave my 100 percent to compete and get selected on merit-cum-need basis.

I am proud to be a part of the IBA for about two-month-long orientation training, where the faculty not only improved my subject knowledge but helped me in my overall grooming. Counseling provided by IBA helped me to choose the field that suits me.

I am grateful to NTHP sponsors for providing me with an opportunity to get quality education and the IBA faculty, THP team and mentors for helping me and my fellows groom and achieve success by securing admission in a degree program on scholarship.

Sponsors

ihsan trust

Punjab Educational Endowment Fund

OGDCL PAKISTAN: OIL & GAS DEVELOPMENT COMPANY LIMITED

PROJECT MANAGEMENT UNIT (HED)
HIGHER EDUCATION DEPARTMENT
GOVT OF KHYBER PAKHTUNKHWA

Center for Business and Economic Research (CBER)

The Center 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 economics and business research to the government, development agencies and central bank as well as to the business 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 Center's current areas of specialization include macroeconomic modelling, analysis of large and complex data sets on Pakistani firms and social sector and consumer and business confidence surveys.

CBER is a multi-disciplinary center that draws expertise from various departments in IBA ranging from Finance and Economics, Accounting and Law, Management, Marketing to Social Sciences and 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 Competitive Research Grant; inauguration of the IBA Working Paper Series; initiation of CBER Seminar Series that hosts prominent national and international academic scholars; collaborations with education and government institutions. It also aims to deliver opportunities for researchers to publish their work and later present it at national and international conferences.

For more details, please visit the website: http://cber.iba.edu.pk/

Centre for Excellence in Islamic Finance (CEIF)

The Centre for Excellence in Islamic Finance (CEIF) was established at IBA, city campus with the objective of providing a platform for discovery, enhancement, and dissemination of knowledge in the field of Islamic Finance.

Carrying on IBA's legacy of thought leadership in the Islamic Finance industry, CEIF conducts executive learning programs, Practitioners' Qualification Series, discussion forums, conferences, seminars, and Distinguished Leadership Dialogues for discussions among various stakeholders including academicians, Shariah scholars, practitioners, professionals, regulators and policy makers

to provide the industry with the required capable and trained human resource and take the discipline forward. CEIF regularly conducts open and closed-door forums of industry practitioners with international speakers.

CEIF has entered into collaborations with multiple global and local partners including Accounting and Auditing Organization for Islamic Financial Institutions (AAOIFI), Islamic Research and Training Institute (IRTI), International Shariah Research Academy for Islamic Finance (ISRA), INCEIF The Global University of Islamic Finance, Malaysia, Islamic University of Maldives, International Council of Islamic Finance Educators (ICIFE), King Saud University, Securities and Exchange Commission of Pakistan (SECP), Sindh Judicial Academy, Pak-Qatar Family Takaful and General Takaful Group to cooperate in enhancing the objective of research, training and development in the field of Islamic finance. Over a span of three- and a-half years, the center has been able to train over 2000 industry practitioners, scholars, entrepreneurs, and regulators.

CEIF's flagship conference titled World Islamic Finance Forum (WIFF) is a biennial affair. The second WIFF conference, titled Expanding the footprint of Islamic Finance: Innovation, Fintech and Regulation was held in March 2018 which showcased renowned local and international speakers from over 13 countries.

CEIF, in terms of research, has conducted various researches locally as well as globally including a book on *Islamic Treasury Management* and a book on *Roadmap to Achieving Shariah Compliance for Listed Companies* and another, under process, report for Sindh Judicial Academy on *Causes of Delay in Disposal of Cases in Banking Courts.*

The MS in Islamic Banking and Finance (MS IBF) degree program offered by IBA in collaboration with CEIF started in spring 2017 has evolved into a successful academic program. CEIF facilitates MS IBF students and faculty exchanges in collaboration with INCEIF The Global University of Islamic Finance, Malaysia.

CEIF maintains an active presence on digital platforms including Facebook, Twitter, LinkedIn and YouTube.

For more details, please visit the website: http://ceif.iba.edu.pk/

Centre of Executive Education (CEE)

The inception of the Centre for Executive Education occurred in 2004 with the aim 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 and 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 centre also offers client-specific trainings 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, and high-potential managers to senior and junior executives from across the country. The CEE's portfolio of non-degree, executive education and management development programs provide business professionals with the means to advance their targeted career development goals and position their organizations for future growth.

CEE specializes in executive education and management development activities through the following programs:

Directors' training program

The Directors' training program is approved by the Securities and Exchange Commission of Pakistan (SECP). 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 that have local relevance, CEE offers programs for CEOs and business unit heads in Pakistan. The faculty for these programs are drawn from some of the top business schools.

Professional development programs

Client-specific management and leadership development programs

CEE hosts management and leadership development programs on emerging topics for both public and private sector institutes. These include 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 and National Institute of Banking and Finance.

Open enrollment programs

The centre also offers open enrollment 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 the training calendar on different emerging themes including:

1. Governance
2. Leadership
3. Innovation, Strategy and Change Management
4. Project Management
5. Supply Chain Management
6. Human Resource Management
7. Finance, Accounting and Law
8. Sales and Marketing
9. Healthcare Management
10. Family Business Management
11. Hospitality and Aviation Management
12. Business Communication
13. Business Excellence and Total Quality Management
14. Business Analytics
15. Energy Economics
16. Procurement

Family Managed Businesses

Since 2012, CEE hosted more than 130 workshops in various cities of Pakistan. These workshops and seminars were conducted by Professor Parimal Merchant, Global Director Family Managed Business, S.P. Jain School of Global Management. CEE hosted programs for leading communities and associations including Bohra and Khoja Community, Delhi Saudagran Youth Forum, Karachi Chamber of Commerce and Industry, Gujranwala Business Council, IBA Karachi Chapter, Lahore Chamber of Commerce and Industry, Pakistan Gems and Jewellery Development Company, Entrepreneurs Organization Pakistan, Small and Medium Enterprise Development Authority and Pakistan Association of Automotive Parts.

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 the healthcare sector. The vision is to bring about betterment to the situation by capacity building within the healthcare management. It launched a 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 containing untrained professionals. To achieve the goal, a PGD in Healthcare is offered.

Postgraduate Diploma (PGD) programs

In January 2015, CEE-IBA added postgraduate diploma (PGD) programs to its portfolio. Designed to develop in highly skilled practitioners an in-depth understanding of strategic, tactical and operational issues, each PGD program is spread over a span of one year, with 12 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 postgraduate diploma in Business Management is offered to middle to senior-level professionals from companies of the Atlas Group. The following four PGD programs are offered:

1. Supply Chain Management*
2. Human Resource Management
3. Project Management
4. Healthcare Management

* PGD-SCM students can get credit transfer to EMBA program subject to meeting the admission criteria of EMBA.

Diploma Programs

Four-month diplomas:

1. Diploma in Accounting, Finance and Law
2. Diploma in Family Managed Businesses
3. Diploma in Strategic Marketing
4. Diploma in Capital Markets (in collaboration with the Institute of Financial Markets of Pakistan)

Six-month diplomas:

1. Diploma in Taxation in collaboration with Pakistan Tax Bar Association
2. Diploma in Employment Laws and Industrial Relations in collaboration with Employers' Federation of Pakistan

Aviation Management programs

In October 2018, CEE launched a certificate program in International Aviation Management in collaboration with the world's leading aviation and aerospace institute, the Embry-Riddle Aeronautical University.

This program consists of a virtual classroom using advanced classroom technology of ERAU called Eagle-Vision. The faculty of this program will conduct virtual classes from ERAU Singapore Campus. The program consists of Aviation Industries' leading guest speakers, simulations, assessments and extensive use of state-of-the-art LMS by ERAU. The first program was conducted

Professional development programs

from October 27 to November 15, 2018. The participants joined the sessions virtually from Dubai, Riyadh, Lahore, Islamabad, Hyderabad and Karachi. They represent leading national organizations including but not limited to National Logistics Cell, Pakistan International Airlines, Gerry's Dnata, Civil Aviation Authority, Shaheen Air, Ormara Airport Project and Pakistan Army Aviation.

Skills development program (SDP)

http://sdp.iba.edu.pk/

Skills development program (previously called as Business English and Skills Development program) at CEE has been providing language and academic proficiency courses for more than two decades. The Business English program commenced in the year 1998 and has proved to be a sought after program by professionals.

In 2013, the department under a new name conducted several new courses. These programs are skills based and targeted executives, professionals, business owners, academicians and students working in various work spheres

The objectives of SDPs are as follows:

- Build skills and competencies
- Provide targeted development solutions for the most frequently identified areas where development is needed
- Design and deliver readily applicable courses
- Increase the skills level and employability of participants
- Ease the step up from junior roles to taking charge of a unit

SDP open enrollment programs
- Brain Training, Decision Science and Personality Assessment through Data Analysis
- Business English
- Business Valuation using Microsoft Excel
- Business Writing Skills
- Conversational English
- Customer Services
- Effective Business Intelligence for Marketing & Sales Professionals
- Emotional Balancing
- English Pronunciation Skills for Communication
- Financial Analysis and Valuation
- Financial Law for Financial Managers
- Grammar for Professionals
- Interactive English
- Interpersonal Skills
- Investment Toolkit
- Marketing of Financial Services
- Personal Management for Success
- Power Talking
- Persuasive Pitching Research Methodology and SPSS
- Selling Skills
- Stress Management
- Successful Business Communication
- Supervisory Skills
- Time Management
- Transitional Managers Toolkit
- Writing and Presenting in English

Skills development of teachers

SDP offers many trainings for capacity building of teachers at all levels. Following courses are conducted:

- Early Childhood Care and Development
- Educational Counsellors Course
- Using Role Play as a Teaching Strategy
- Improving Questioning to Enhance Learning in the Classroom
- The Art of Counselling
- Active Teaching and Learning Strategies
- School Management
- Designing Meaningful Assessment for Learners
- Educational Leadership
- Designing 7 Learning Corners
- ESL Teachers Capacity Building Program
- Teachers Development Camp

SDP client specific programs

SDPs offer both open enrollment courses as well as customized trainings. SDP has designed and conducted various tailor-made programs for organizations such as Sindh Engro Coal Mining Company, Pakistan Petroleum Limited Asia E&P, BV Iraq Branch, Aga Khan Education Services, Pakistan, Government of Sindh, Sindh Workers Welfare Board (Education Services), National Institute of Banking and Finance, Sami Pharmaceuticals, Medisure, Standard Chartered Bank, Oxford University Press Pakistan, Eli Lilly Pakistan, Roche Pakistan Limited and Pakistan State Oil to name a few.

IBA Summer Learning Series

The IBA Summer Series aims to develop and sustain a wide range of beneficial academic and skill-based short term programs for a diverse population of students, teachers and junior executives, to provide them with an opportunity to develop and enhance their academic, professional and personal experiences.

IBA Dispute Resolution Forum (IBA-DRF)

The IBA Karachi launched the IBA-DRF through IBA-CEE in October 2019 to promote mediation as an appropriate means of resolving disputes, especially in the civil/commercial space. The IBA-DRF seeks to implement non-court-based practices of dispute resolution and negotiation, by working on real world disputes, improving conflict intervention methods, while providing education and training, writing and disseminating conflict resolution techniques and practices. The forum is also providing online mediation services through its panel of mediation experts.

IBA Operational Excellence Forum (IBA-OEF)

The IBA Karachi launched the IBA-OEF through IBA-CEE in November 2020 with an aim to provide operational excellence services, along with the vision of honing business operations towards excelling. The major areas under this forum include, Operations Management, Supply Chain Management, Quality Management, Project Management and other operational areas under Management Sciences.

For more details, please visit the following:
Website: www.cee.iba.edu.pk
Facebook: @CEEIBAKarachi
Twitter: @CEEIBA
Email: ceeinfo@iba.edu.pk

Centre 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 fourth floor of the IBA Aman Tower at IBA, 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. A limited number of scholarships are also available for travel and lodging to facilitate access to CEJ trainings and courses for participants from outside of Karachi. Since 2014 the Centre has trained more than 2000 journalists in a variety of subjects for print, broadcast and digital media.

For more details, please visit the following:
Website: www.cej.iba.edu.pk
Facebook: CEJ at IBA
Twitter: @CEJatIBA
Email: cej@iba.edu.pk

Center for Information and Communication Technology (CICT)

The IBA's Center for Information and Communication Technology (CICT) has been established in 2016 whose primary focus remains on innovations that could enhance the academic experience of students and facilitate faculty and staff. It also aims to advance technical knowledge of the students whilst educating them in other relevant areas so they can serve the nation in the best possible way. For this purpose, a variety of programs have been carried out by CICT.

Diploma Programs of CICT

While designing the diploma programs, CICT considered the education and training requirements of the working-class and formed the courses as per the needs and wants of the industry. These programs aim to showcase the individual's competency, commitment for the profession, build expertise in their professional field. For this purpose, following diploma courses are being offered:

Big Data Analytics

This four-month diploma empowers students with the skillset to tackle data-driven problems and accelerate data-analysis transformation in the organization. Through lectures, case studies and discussions, real-world insights are shared on various applications of big data analytics and machine learning and its implication.

Digital Marketing

The Digital Marketing diploma aims to provide training to a wide range of professionals. It gives its students the exposure of Social Media Marketing, Mobile Marketing, Pay-Per-Click Marketing, Email Marketing, and Search Engine Optimization.

Enterprise Resource Planning

The aim of this diploma is to gain understanding of various Enterprise Systems modules and how they are applied in business. It consists of the evolution, components and architecture of Enterprise Systems.

IT Entrepreneurship

This course is designed to help students to become experienced information technology entrepreneurs. This diploma will give its participants the guidance about initiating a new startup.

Information Security

Diploma in Information Security trains the professionals in Ethical Hacking and Information Security. It will help students to understand the difference between an ethical hacker and a malicious hacker via Information Security.

Capacity Building of Government Entities

One of the fundamental objectives of CICT is to work with public sector entities in order to improve services for the general public. Therefore, CICT has been involved in innovative projects with the Government of Sindh. CICT is also engaged in training the employees of Sindh Secretariat through various courses so that they could play their role in resolving Pakistan's most daunting issues. CICT has been providing training to the following departments:

1. Information Science and Technology Department of Sindh
2. Services General Admin Department of Sindh
3. Finance Department of Sindh

Capacity Building of Corporate Entities

A number of well-known private sector companies have also been engaged with CICT for the training of their employees. Hence, CICT is creating an impact in both public as well as in private sector entities.

Skills Development Programs

IBA-CICT has been running government sponsored Youth Skills Development Programs. The objective of these programs is not only to develop the much-needed potential of youth to avail money-making opportunities, but also create a number of jobs. These programs are as follows:

1. Benazir Bhutto Shaheed Youth Development Program [BBSYDP] is one such program that focuses on developing human resource in Sindh by empowering youth (aged between 18-35 years) with employable skill sets. It was initiated in 2008-09 by the Government of Sindh.

2. Prime Minister's Youth Skills Development Programme (PMYSDP) is another project aimed at training the youth.

Sindh Research Incubation Center (SRIC)

Besides imparting training in the domain of ICT, incubation space to the potential youth of Sindh, along with proper mentorship, will also be provided as it has already been provided at the city campus. The basic aim is to promote the culture of entrepreneurship in Pakistan. The incubates with an incubation process of 12 months are offered a co-working space at IBA, utilities, seed capital and access to investors.

Ardershir Cowasjee Writing Center

A writing center's task is to provide individualized consultation to students and engage them in metacognition about their writing. The IBA Karachi's Ardeshir Cowasjee Writing Center (ACCW) is an academic facility dedicated to helping the IBA community with their writing skills by providing one-on-one consultancy to students on their writing projects. The scope of the consultation ranges from idea generation to a review of a final draft, whereas consultation projects include essays, scholarly papers for academic journals, creative writing and personal statements.

ACCW consultants are senior students that are selected through a rigorous recruitment process followed by a multi-tiered training on writing consultation, designed to acquaint them with the intricacies of the discipline. The consultants develop a rapport with their consultees and guide them through meaningful discussions that range from basic level structural issues to complex stylistics concerns.

Besides working with students on their writing projects, ACCW also provides a forum for academic engagement. The center organizes poetry slams, study circles, book clubs as well as workshops on several aspects of academic writing. The center also has a feedback mechanism whereby consultants' observations are recoded on an online feedback form which is shared with relevant instructors.

Center for Entrepreneurial Development (CED)

The IBA AMAN-Center for Entrepreneurial Development (CED) promotes entrepreneurship through training and incubation activities. On the training side, it offers popular short-term certificate courses in entrepreneurship including some that are customized to the needs of specific audiences, such as women or specific sectors like agriculture and technology.

On the business nurturing side, CED hosts around 70 companies in its incubation facilities, where it provides opportunities for business growth and networking with potential investors and advanced training. CED programs are not limited to IBA students but are also available to the larger community of potential entrepreneurs. The target population includes family businesses, the self-employed, students and as well as aspiring entrepreneurs. Anyone with a passion for entrepreneurship is welcome to approach the center for training. The CED programs have engaged an estimate of more than 10,000 people in the past 10 years.

The CED programs have won international recognition as well. The center's Women Entrepreneurship and Empowerment program won a prize at a conference hosted by the USASBE in 2017. CED's International Entrepreneurship Summer School has been running for four years now and has attracted students from several countries including Brazil, Mexico, US, Canada, UK, Germany, Holland, Ukraine, Poland, UAE, Indonesia, Philippine, Singapore, Thailand, China, Somalia, Tunis and Sri Lanka. Our faculty has also conducted training programs in UAE, Oman, Germany and Sri Lanka.

Career Development Centre (CDC)

The Career Development Center (CDC) at the IBA is dedicated to facilitate students, graduating classes and alumni in the overall process of self-evaluation, creating awareness about career opportunities, conducting career assessments and guidance, assisting in career development and job search, increasing the employability of IBA's graduating students, developing strong and tangible linkages between employers and the IBA graduates, and supporting the IBA alumni in their career progression. Its main focus lies in building long-term relationships with corporate, social and public sector organizations within Pakistan and also with international employers.

Responsible Citizen Initiative (RCI)/Social Internship Program

Responsible citizen initiative commonly known as social internships is a 6 weeks' mandatory social internship required for all students enrolled in their undergraduate programs. Students need to work in a social sector organization, NGO, community-based organization or any charitable institute in Pakistan ideally during their summers or during the course of their study.

Corporate internships

Corporate Internship is a mandatory requirement for students of all undergraduate programs and MBA program (only for students with a non-BBA background) at the IBA. These internships are required to be carried out right after the junior year for undergraduate students, and after the completion of first year by the MBA students.

Experiential Learning Projects (ELP)

ELP is a mandatory 4-month program which involves final semester BBA and BS Accounting and Finance students working in the form of groups to conduct primary and field research, analyze the issue that warrants investigation and propose effective solutions for partner organizations. All projects considered under this program are credited and graded; equivalent to 2 courses (6 credit hours).

For more details, please visit: https://elp.iba.edu.pk/

IBA Job Portal

The IBA Job Portal is the most effective tool to connect students and alumni with employers. It serves as an online repository for the graduate directory and helps students and alumni to create their profiles and jobs/internships, while employers post vacancies and view and save profiles for hiring purposes.

For more details, please visit: https://jobportal.iba.edu.pk/

Career excursions

CDC organizes informational career trips to help students meet employers and the IBA alumni working in many organizations across Pakistan. These career exploratory trips let the visitors learn about the culture and diversity at the visiting company and explore internship and job opportunities.

Career fair

A number of employers participate in an exclusive event held every year in spring where they meet and talk to graduating students. This event brings major IBA recruiters under one roof, and has a proven track record of facilitating students and alumni in joining hands with the employers of their choice.

Recruitment drives

CDC also hosts multiple on-campus recruitment activities throughout the year where different employers visit the IBA to conduct orientation sessions, interviews, online and written assessments along with other miscellaneous interventions.

Generally, on-campus recruitment activities are scheduled from January to May every year which compositely target the batches of December and June.

Personal Effectiveness (PE)

The objective of the Personal Effectiveness program is to ensure that students, across all programs (undergraduate and graduate), are empowered with the necessary soft skills that are the demands of the current business, entrepreneurial and post graduate environments. The students should understand themselves well along with the choices they make that impact their accomplishments and interactions with others. In this course, the students acquire skills for improving confidence, team building and effective communication, which results in growth, change, and increased effectiveness.

As a result of PE workshops, students are equipped to be more effective in the job application process, as well as be more realistic about future corporate and entrepreneurial undertakings and network. This course instills the right attitude and skillset for improved performance, customer responsiveness, and professional behaviour.

PE is offered to BBA and ACF programs in the Fall semester and MBA, SSLA, EM and CS programs in the Spring semester.
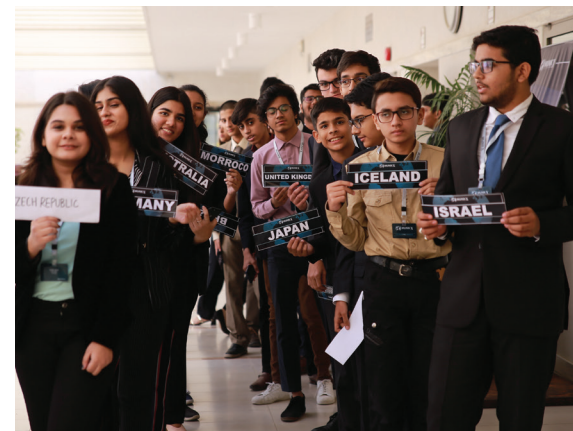
Workshops and seminars

Throughout the year, the CDC hosts a variety of career-specific workshops, seminars, panel discussions and talk shows for students. These programs help students research about a variety of career options and to choose a career path that is compatible with their academic discipline, skills, interests, values and personality.

Corporate Connect Series

Corporate Connect Series is a segment in which the CDC hosts guest speaker sessions on different career and academic themes with an aim to connect students with the corporate sector. The themes are identified through requests which the CDC receives from the faculty.

Mentoring Matters

The IBA, Karachi is associated with more than 13,000 well-established alumni who are always available to support their alma mater. Mentoring Matters is a comprehensive coaching program that offers students an opportunity to link with the prominent IBA alumni and industry experts for helping them out in their personal and professional development.

Career Counselling Clinics

Career Counselling Clinics are one-to-one sessions with experienced corporate personnel aiming to facilitate the students in their career exploration and development. The personalized sessions guide students to explore possible career options, discuss their aspirations, and receive advice on basics of job hunt such as creating resumes, tips on acing interviews etc.

Mock interviews

Mock interviews, a segment of Career Counselling Clinics, are individualized conversational exercises resembling a real-time interview. The basic objective is to prepare the students to better deal with the job interview anxiety under the mentorship of industry experts.

CDC Facebook group

Keeping in view the needs of the students and graduates, the CDC maintains a dedicated Facebook group as a vibrant communication tool to regularly post important announcements. To become part of the group of over 7,000 IBA students and graduates, the request can be sent at https://www.facebook.com/groups/ibacdc/.

Student council and societies

Providing students with opportunities to participate in a variety of intellectual, academic, recreational and physical activities is a core aim of IBA. Engagement in extra and co-curricular activities and events forms a major part of the experience of students during their time at IBA. Students are encouraged to participate in different events and activities that take place throughout the year. These events simulate the management challenges of real life and play an important role in polishing the social, managerial and marketing skills of students enabling them to represent and promote IBA at national and international events.

IBA encourages student participation in diverse co- and extra-curricular activities and the 26 active student societies/clubs at IBA are reminiscent of this. These include an IBA-wide student council (ISC) which acts as a representative of the student body. The five-member ISC comprises of a Vice President, General Secretary, Treasurer and two Campus Coordinators who are elected via formal elections. ISC members fulfil the responsibilities of preparing the annual budget for all the activities to be undertaken, organize all social functions, guide and supervise the activities of other student societies, ensure adherence to the IBA code of conduct and get the expenses audited.

Co-curricular activities

S.No.	Patron	Society/Club	Events conducted in 2019-20
1	Dr. Shahid Qureshi	Entrepreneurship Society	• Hult Prize • Infusion • International Entrepreneurship Educators Symposium 2019 • DevFest Karachi
2	Dr. Nyla Aleem Ansari	Human Resource Club	• HR Club launch • Insight
3	Dr. Imran Rauf	Computer Science Society	• Computer Science Society Launch • JS Bank Drive • International Collegiate Programming Contest • Codefest
4	Dr. Kamran Mumtaz	Leadership Club	• Leadership Club Launch • ILC Camp • IBA Leadership Conference
5	Dr. Nasir Afghan	Marketing Club	• Marketing Club launch • IBA Branding and Advertisement Conference
6	Dr. Muhammad Sheraz	Mathematics and Astronomy Club	• Star Gazing - Kund Malir Trip • Mathematika V
7	Dr. Faiza Mushtaq	Social Sciences Club	• Dhanak – Social Sciences Club launch • Halloween Party • Movie Screening "Salaam"
8	Dr. Muhammad Asif Jaffer	Accounting Club	• Accounting Club launch – Lift Off • Aspiring Professional Summit
9	Kamal Siddiqi	Journalism Society	• Is there a future of Media? • Safety of Female Journalists
10	Dr. Irum Saba	Islamic Finance Society	• Islamic Finance Society Launch • What even in Islamic Finance? • Pakistan Economy: Macro Economic Challenges and Outlook by Dr. Reza Baqir (Governor SBP) • Session on Derivatives • Fundamentals of Islamic Finance • Practical Implications of Micro-Finance • Islamic Finance Conference
11	Dr. Laila Farooq	Literary Society	• Mahfil-e-Mushaira
12	Sumayyah Khurshid Khan	Arts and Photography Society	• Fresher's Night • Enigma XI

S.No.	Patron	Society/Club	Events conducted in 2019-20
13	Dr. M. Asad Ilyas	Go Green Society	• IBA Orientation Week Plantation Drive with Batch of 2023 • Plantation Drive with Ismail Industries at IBA Staff Town • Plantation Drive with K-Electric • SOS Village Plantation and Food Drive • Plantation Drive with Karachi International Container Terminal • Plantation Drive with Bank Al-Habib • Guest Speaker Session in collaboration with "Hoga Saaf Pakistan" • Independence Day Painting Drive
14	Dr. Danish Ali and Dr. Nida Aslam Khan	Sports Society	• Cricket Tournament • Girls Yoga Camp • Futsal Tournament
15	Dr. Junaid Alam	Dramatics Society	• IBA Fringe Launch • Fringe 2019 • LUMS Drama Festival
16	Nadia Sayeed	Public Speaking Society	• Model United Nations IBA Karachi XI
17	Dr. Abbas Ali Gillani	Music Society	• Neon Night
18	Rafay Sohail	Adventure Club	• Let's Cruise • Kund Malir Trip • Northern Areas Trip
19	Dr. Sana Tauseef	Alumni and Placement Society	• IBA Career Fair 2019
20	Muhammad Sohaib Saleem	Community Welfare Society	• CWS Blood Drive with Indus Hospital • Satrangi • Breast Cancer Awareness Workshop
21	Dr. Amana Raquib	Girls Hostel Society	• Welcome Dinner

S.No.	Patron	Society/Club	Events conducted in 2019-20
22	Syed Sharjeel Ahmad Hasnie	Boys Hostel Society	• Diwali • Welcome Party • Cricket Tournament
23	Dr. Imran Khan	Iqra Character Building in Society	• Iqra Society Launch • Guest Speaker session on Evolution and Darwinism • Tijaarah Bootcamp • Character Building Series • Attaining Purification Workshop for Women
24	Dr. Nida Aslam Khan	IBA Students Council	• All Societies/Clubs Office Bearers Oath Taking Ceremony • Youm-e-Hussain • ISC Welcome 2019 • ISC Beach Bash 2020
25	Muhammad Saleem Umer	IBA Executive Club	• Executive Club Launch • Youm-e-Hussain • Cricket Tournament

Distinguished lecture by Shah Mahmood Qureshi on significance of economic diplomacy for Pakistan

February 10, 2020: The IBA, Karachi organized a distinguished lecture on *The strategic importance of Economic Diplomacy for Pakistan in the 21st century* by Honourable Foreign Minister of Pakistan, Makhdoom Shah Mahmood Qureshi. Attendees included members from the academia, media, consul generals, corporate sector, the IBA faculty, students and alumni.

Prof. Dr. S Akbar Zaidi appointed Executive Director of IBA Karachi

January 13, 2020: Sindh Chief Minister and Patron of IBA, Syed Murad Ali Shah appointed Professor Dr. S. Akbar Zaidi as the Executive Director of IBA, Karachi for four years as per a notification issued by the Universities and Boards Department, Government of Sindh. Dr. Zaidi is the 10th head of the institution.
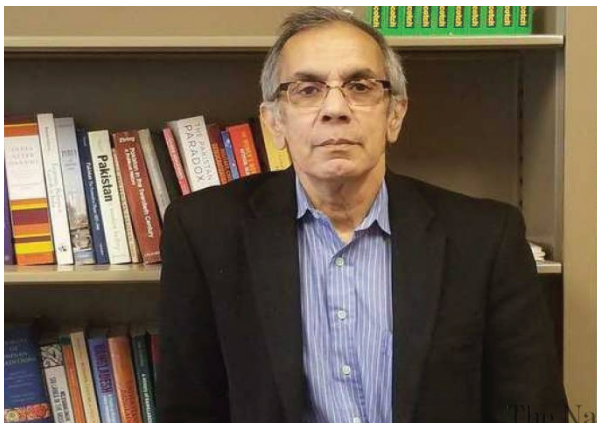
Climate Change seminar by Karachi Urban Lab

November 15, 2019: The Karachi Urban Lab, a research organization based at the IBA, Karachi led by Professor of City and Regional Planning Dr. Nausheen H. Anwar, hosted an event as part of the French and German Embassies' joint lecture program 'Open Doors'. Christine Rosenberger from the German Embassy, Islamabad joined Dr. Anwar in introducing the panel discussion, titled 'Climate Crisis Seminar', which was the first event of this series.

3rd International Student Convention and Expo inauguration

October 28-29, 2019: The IBA, Karachi partnered with Inter University Consortium for the Promotion of Social Sciences Arts and Humanities, Pakistan to host a two-day event. The event initiated with an inauguration ceremony with the Governor of Sindh Imran Ismail as the chief guest. It was attended by almost 20 respected Vice-Chancellors, IBA students and alumni, along with students from other universities.

Launch of Dispute Resolution Forum

October 26, 2019: Center for Executive Education launched the IBA Dispute Resolution Forum to promote services such as mediation, arbitration and conciliation as effective means of resolving disputes especially in the civil/commercial space.

Distinguished lecture by SBP Governor Dr. Reza Baqir on Pakistan's economy

September 30, 2019: The IBA organized a distinguished lecture on *Pakistan's Economy: Macroeconomic Challenges and Outlook* by Governor State Bank of Pakistan, Dr. Reza Baqir. Attendees included members from the academia, corporate sector, media, the IBA faculty, students and alumni.

Distinguished lecture on 'The Economy of Modern Sindh' by Dr. Ishrat Husain

April 20, 2019: The IBA, Karachi organized a distinguished lecture by the Adviser to the Prime Minister on Institutional Reforms and Austerity, Dr. Ishrat Husain, on his recently co-authored book titled *The Economy of Modern Sindh*. The session was attended by the IBA faculty, alumni, students, media and the public.

Three-day workshop on Business Analytics at IBA CEE

February 19-21, 2020: The Center for Executive Education (CEE) hosted a three-day workshop on *Business Analytics*. The training equipped each participant with the fundamental knowledge of data science needed to manage, manipulate, and organize datasets.

The program consisted of two parts: the first one introduced banking and business sector professionals to the fundamentals of data science to leverage extensive proprietary data resources held by firms and companies of all sizes. The second part supplied the participants with the skills needed to perform predictive analytics with time series and cross-section data. Faculty for this workshop included Professor at the Ted Rogers School of Management at Ryerson University, Canada, Dr. Murtaza Haider and Professor of Computer Science, IBA Karachi, Dr. Sajjad Haider.

Youth Entrepreneurship Project

October - December, 2019: IBA AMAN-CED, in collaboration with PSO-CSR Trust successfully completed the Youth Entrepreneurship Project (YEP). The IBA-PSO Youth Entrepreneurship project aimed to provide the Micro Entrepreneurship and Life Skills training to 125 vulnerable youth primarily from marginalized areas of Karachi.

The eight-day training was scattered over two months and after each two days of training, the students were given tasks to complete which were related to their own business ideas. By the end, more than 70% of the participants had earned some money by selling something.

Networking and social events

MBA Executive Club and Program arranged various events to provide networking opportunities to the participants for their career progression. The following major events were conducted in 2019 – 20:

- May 22, 2020: Social Drive - An annual activity to support underprivileged outsourced staff
- September 22, 2019: Youm-e-Hussain
- July 14, 2019: Networking Lunch

Study Circles by Ardershir Cowasjee Writing Center

2019: Study circles were organized throughout the year, of which the session on 'Gender in South Asian History' was the most popular session of the year.

926 students graduate at Convocation 2019

December 7, 2019: The IBA Karachi held its annual Convocation 2019 at the main campus to confer degrees to 926 graduates. The graduating batch included 673 undergraduate students from six programs, 252 postgraduate students from seven programs, and one PhD scholar. The Chief Guest of the ceremony was Advisor to the Prime Minister on Finance and Revenue Dr. Abdul Hafeez Shaikh. Minister for Food and Parliamentary Affairs, Pro Chancellor all Public Universities and Advisor Universities and Boards, Government of Sindh, Mr. Nisar Ahmed Khuhro and Co-Founder and Director, The Citizens Foundation (TCF) Mr. Mushtaq Chhapra attended as Guests of Honour.

Executive Director IBA Karachi Dr. Farrukh Iqbal congratulated the graduating students and announced that the first cohort of BS Economics and MS Journalism are graduating and will enter the job market.

IBA Karachi and Unilever Pakistan ink an MoU

March 22, 2019: IBA, Karachi and Unilever Pakistan signed an MoU to establish an endowment fund of Rs.14 million for the National Talent Hunt Program (NTHP) students. The objective of the fund is to provide need-based scholarships to underprivileged and meritorious students in acquiring higher education.

Launch of Nielsen Academy at the IBA

January 16, 2020: Nielsen Pakistan in collaboration with the IBA Career Development Center (CDC) launched an educational market research initiative for graduating students titled *Nielsen Academy* at the Main Campus. Nielsen Academy is part of Nielsen's community outreach efforts to offer young soon-to-be professionals with the opportunity to complement their academic experience with practical insights by engaging them in an interactive learning process with market research professionals

IBA-CICT signs contract with NAVTTC to execute PM's Kamyab Jawan National Youth Development Program 2020

February 21, 2020: The IBA-CICT signed a contract with the National Vocational and Technical Training Commission (NAVTTC) to execute the *Prime Minister's Kamyab Jawan National Youth Development Program 2020*. The objective of this program is to provide practical training to the youth in the most in-demand and highly employable high-tech trades and emerging technologies to enable them to seek employment in national and international markets.

Class of 1994 establishes largest Endowment Fund to date for student scholarship

April 23, 2020: The Class of 1994 established an Endowment Fund of more than Rs. 13 million, making it the largest fund set up by a class to date. The fund will sponsor the tuition fee of two students per year. The idea of helping deserving students was conceptualized during the silver jubilee reunion, held at the main campus in December 2019.

CBER hosts Roundtable on Taxation

July 25, 2019: The Center for Business and Economic Research (CBER) held the first Coffee@CBER session at IBA, Karachi. The theme of the forum was *Tax Revenue*

Mobilization in Pakistan: Issues, Challenges and Future Prospects. The forum was attended by policymakers, government and business leaders, and visionaries to discuss the key issues that face the economy; especially Pakistan's potential to collect more taxes to meet IMF targets.

Book Fair 2019

April 23-24, 2019: Commemorating the World Book Day, IBA Library arranged a 2-day book fair at the Mian Abdullah Library, IBA Karachi providing the IBA community an opportunity to buy quality books on competitive and discounted prices. Moreover, a collection comprising the most circulated library items was also displayed. IBA Library also honored some of the regular and active library patrons by acknowledging them as Friends of the Library and presenting them with customized bookmarks and displaying their names prominently.
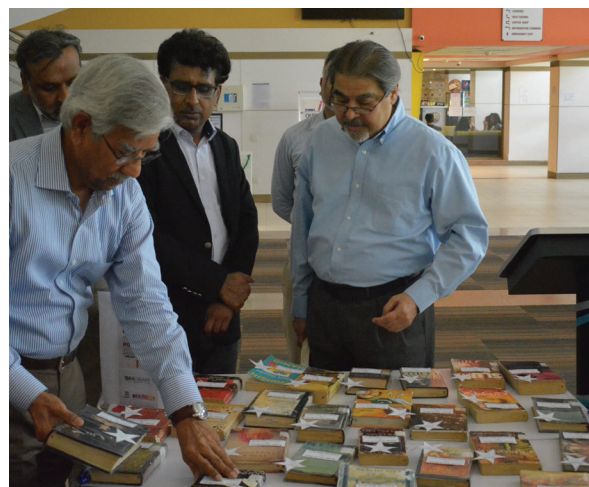
NBEAC and NCEAC Re-Accreditation Visit to the IBA, Karachi

September 27, October 3-5, 2019: The Quality Enhancement Cell (QEC) at the IBA Karachi welcomed the Accreditation Inspection Committee (AIC) from the National Business Education Accreditation Council (NBEAC) from October 3-5, 2019 to re-accredit the MBA and BBA programs and accredit the BS Accounting and Finance program. The AIC from the National Computing Education Accreditation Council (NCEAC) also visited the Institute on September 27, 2019 to re-accredit the BS Computer Science program.

First ever 30-hour Data Science Hackathon takes place in Pakistan

April 21, 2019: IBA, Karachi made history by hosting the first ever Data Science Hackathon sponsored by a New York-based Data Analytics start up – Inqline at IBA, main campus. The 30-hour long Hackathon was a first of its kind in Pakistan in which 28 teams comprising of over 100 students from 12 universities across Pakistan competed to promote the use of machine learning to bring about social innovation.

IBA hosts Quantum Information Summer School 2019

July 15-18, 2019: A four-day long *Quantum Information Summer School (*QISS) 2019 took place at the main campus. The brainchild of Assistant Professor Faculty of Computer Science Dr. Jibran Rashid, saw experts from across the globe, highlight recent developments and challenges in the field of quantum information and computation. Students and professors from 19 Pakistani universities used the second iteration of QISS as an opportunity to learn and discuss ideas with Director, Institute for Quantum Science and Technology, University of Calgary, Dr. Barry Sanders; Group Leader YIRG Young Independent Researcher Group, Institute for Quantum Optics and Quantum Information Vienna, Dr. Ämin Baumeler; Postdoctoral research fellow, University of Queensland, Dr. Fabio Costa, and Postdoctoral researcher, Perimeter Institute of Theoretical Physics, Dr. Denis Rosset.

3rd ICRC Humanitarian Reporting Awards

October 24, 2019: The *3rd ICRC Humanitarian Reporting Awards* were conferred on seven journalists for outstanding contributions in humanitarian reporting at the CEJ-IBA. The awards were jointly organized by the CEJ-IBA and International Committee of the Red Cross (ICRC). The awards were organized to promote ethical, accurate and responsible reporting on humanitarian issues including violence against healthcare workers, disaster reporting, issues related to people with disabilities, disaster response/preparedness, and other similar issues.

8th International Conference on Information and Communication Technologies

November 16-17, 2019: The 8th International Conference on Information and Communication Technologies (ICICT 2019), organized by the Faculty of Computer Science (FCS) at the city campus. The theme for this year's conference was *Next Generation Technologies.* Top researches from various fields were the keynote speakers on both days. Apart from Doctoral Consortium this time round tutorials were also organized to help budding researchers in various fields by experts. Keynotes, along with tutorials and technical paper sessions were conducted on different topics such as Internet of Things, Artificial Intelligence & Machine Learning, and Blockchain & Fintech. The first day of the conference was concluded with a Presidential Dinner at the Governor House which was attended by the President of Pakistan, Dr. Arif Alvi, government officials and faculty of the Institute.

Islamic Finance Conference 2019

December 9, 2019: IBA-CEIF organized the *Islamic Finance Conference* (IFC) 2019 at the city campus. Lahore University of Management Science (LUMS), INCEIF: The Global University of Islamic Finance, and International Shariah Research Academy (ISRA) for Islamic Finance were the academic partners of the conference. The objective of the conference was to create and promote the collaboration between research and industry. Local and international scholars and practitioners from Indonesia, Malaysia, Bahrain, Australia, Maldives, KSA, Canada shared their researches and experience.

Economics Department launches 3 volumes of an e-book on the COVID-19 pandemic

March-April, 2020: To measure the economic impact of the COVID-19 pandemic, the IBA's Economics Department launched three volumes of an e-book titled, *Short Notes on the Economy During the COVID-19 Crisis*. The initial idea of the e-book was to only focus on economic issues, but due to the dynamic effects of COVID-19 in every sphere of life, some papers from other disciplines were also considered. The thought process behind this book was that during this critical time, the foremost responsibility of academia is to provide their feedback on policy response and help the government and relevant departments to design the best possible strategy.

The e-books can be accessed on the following links:

Vol. 1: https://businessreview.iba.edu.pk/covid19/vol1.php

Vol. 2: https://businessreview.iba.edu.pk/covid19/vol2.php

Vol. 3: https://businessreview.iba.edu.pk/covid19/

NTHP scholar shares her heart-warming story at TEDxIBA

March 17, 2020: The IBA Karachi Communications Department organized a TEDxIBA on the theme *Fly I Must*. The speaker of the session was National Talent Hunt Program (NTHP) Scholar, Afreen Mushtaq who is currently enrolled in the BBA program. She shared her inspirational and heart-warming journey as she managed to make a place for herself at the Institute from the slums of Karachi. In her talk, she explained how she managed to achieve her goals against all odds.

- **Bachelor of Business Administration (BBA)**
- **Bachelor of Science (BS) Accounting and Finance**
- **Bachelor of Science (BS) Computer Science**
- **Bachelor of Science (BS) Economics**
- **Bachelor of Science (BS) Economics and Mathematics**
- **Bachelor of Science (BS) Social Sciences and Liberal Arts**

Bachelor of Business Administration (BBA) program

Bachelor of Business Administration (BBA)

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 and Logic, Psychology and Media Studies. Additionally, students are required to undergo training in a foreign language and can choose among four languages: Arabic, Chinese, French and German. All BBA students are required to enroll for Personal Effectiveness, a non-credit course which builds and enhances the soft skills. Students now have option to specialize in Marketing, Finance, Management Information Systems (MIS), Human Resource Management (HRM), and Entrepreneurship. Based on the feedback from the alumni and human resource representatives of major corporations, the IBA has included the aspect of experiential knowledge into the curriculum of BBA program. Students now undergo a six-month-long, on-the-job training in the real business environment. 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**

Some of the curriculum requirements have changed as a result of Academic Board Meeting 90th dated 11th March 2022

Required courses

Section	Course category	Courses	Credit hours
A	University core courses	4	12
B	Business core courses	23	71 (two courses are 4 credit hours each)
C	Business electives	~~7~~ 5	~~21~~ 15
D	Non-specialization courses (core - 5 and elective ~~1~~) 3 electives	~~6~~ 8	~~18~~ 24
E	Experiential learning project (6 hours)*	Equivalent to two courses	6
	Total courses	**40 (excluding ELP)**	**128**

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

A. University cores

Course title	Course code	Credit hours	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC101	3	-
Pakistan History	SSC151	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 and PLE.

Bachelor of Business Administration (BBA)

B. Business core courses

Course title	Course code	Credit hours	Pre-requisite
Principles of Accounting	ACC111	3	-
Financial Accounting	ACC201	3	ACC111
Management Accounting	ACC381	3	ACC111, ACC201
Principles of Microeconomics	ECO103	3	-
Principles of Macroeconomics	ECO104	3	-
Analysis of Pakistani Industries	ECO211	3	ECO103 / ECO201 and ECO104 / ECO202
Introduction to Business Finance	FIN201	3	-
Financial Institutions and Markets	FIN301	3	FIN201
Financial Management	FIN401	3	FIN201
Human Resource Management	HRM401	3	MGT201, MKT201
Business Law	LAW205	3	-
Principles of Management	MGT201	3	-
Business Communication (2+1 CH)	MGT211	3	MGT201, SSC104
Organizational Behavior	MGT221	3	MGT201, SSC104
Production and Operations Management	MGT311	3	FIN201, MGT201, MKT201
Entrepreneurship	MGT421	3	FIN201, MGT201, MKT201
Managerial Policy	MGT430	3	ECO103, ECO201, FIN201, HRM401,ECO113, MGT201, MGT211, MGT221, MKT201
Principles of Marketing	MKT201	3	-
Methods of Business Research	MKT301	3	MKT201, MTS202
Marketing Issues in Pakistan	MKT401	3	MKT201
Foundation of Human Behaviour	SSC104	3	-
Language-I*	SSC201/205/209	4	-
Language-II*	SSC202/206/210	4	SSC201/205/209

All students must take both modules (I and II) of the same language

C. Business electives (7 electives to be selected from the following list)

Course title	Course code	Credit hours	Pre-requisite
~~Accounting Information System with SAP~~	ACC507	3	ACC201 / ACC501
~~Analysis of Financial Statements~~	ACC561	3	ACC201, ACC501
~~Applied Econometrics I~~	ECO343	4	ECO103 / ECO201, ECO104 / ECO202 and MTS202
~~Applied Econometrics II~~	ECO344	4	ECO343
~~Major Issues in Pakistan's Economy~~	ECO403	3	ECO103 / ECO201 and ECO104 / ECO202
~~Research Methods in Economics~~	ECO411	3	ECO103 / ECO201, ECO104 / ECO104 and MTS202
~~Public Finance~~	ECO451	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
~~Game Theory~~	ECO464	3	ECO211 / MTS101
~~International Political Economy~~	ECO465	3	ECO103 / ECO201, ECO104 / ECO202
~~International Trade~~	ECO466	3	ECO103 / ECO201, ECO537, ECO501
~~History of Economic Thought~~	ECO467	3	ECO103 / ECO201, ECO104 / ECO202
~~Health Economics~~	ECO471	3	ECO103 / ECO201, ECO104 / ECO202
~~Labor Economics~~	ECO472	3	ECO103 / ECO201, ECO104 / ECO202
~~Financial Economics~~	ECO562	3	ECO103 / ECO201, ECO104 / ECO202
~~Monetary Economics~~	ECO566	3	ECO103 / ECO201, ECO104 / ECO202, ECO532
~~Investment Banking~~	FIN451	3	FIN401
~~International Finance~~	FIN452	3	ECO104 / ECO202 and 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
~~Corporate Governance and Practices in Pakistan~~	LAW553	3	LAW501
~~International Business~~	MGT452	3	-

All courses offered by any one of the four departments in SBS, except those are core or core equivalents, can be taken as business electives.
This means Economics courses are no longer business electives, rather they become NS electives (see further in NS section)

C. Business electives (7 electives to be selected from the following list) Contd.

Course title	Course code	Credit hours	Pre-requisite
Recruitment and Selection Techniques	HRM430	3	MGT201, HRM401
Occupational Health and Safety	HRM445	3	MGT201, HRM401
Industrial Relations Management	HRM451	3	MGT201, HRM401
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	-
Foundation for Management and Entrepreneurship I	MGT102	3	-
Foundation for Management and Entrepreneurship II	MGT103	3	MGT201
Ethics in a Corporate Society	MGT301	3	MGT201, LAW205, MKT201
Management Theory and Practice	MGT400	3	-
Small Business Management	MGT401	3	FIN201, MGT201, MKT201
Comparative Management	MGT411	3	MGT201, MKT201, MGT221
Advertising	MKT451	3	MKT201
Consumer Behaviour	MKT452	3	MKT201
Sales Management	MKT453	3	MKT201
Personal Selling	MKT454	3	MKT201
Retail Management	MKT455	3	MKT201
Supply Chain Management	MKT456	3	MKT 201
Dynamics of Distribution and Logistics	MKT457	3	MKT201
Public Relations	MKT458	3	MKT201
Export Marketing	MKT459	3	MKT201
Direct Marketing	MKT460	3	MKT201
Brand Management	MKT461	3	MKT201
Essentials of Demand and Supply	MKT462	3	MKT201
Integrated Marketing Communication	MKT464	3	MKT 201

Important note

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

D. Non-specialization courses Core

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

Non-specialization elective courses

Students need to choose one Social Sciences elective from the following:

(A detailed list of more courses is available on the website)

Course title	Course code	Credit hours	Pre-requisite
Creative Writing		3	-
Major Themes in World History		3	-
Research Methods in Social Sciences		3	-
Culture, Media and Society		3	-
Introduction to Political Sciences		3	-
South Asian History		3	-
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	-
History of Ideas—I	SSC239	3	-
History of Ideas—II	SSC238	3	SSC239

All courses offered by SMCS and SESS schools, (other than core or core equivalents of BBA courses) are NS electives.
This means NS elective can be any course from Economics, Social Sciences, Math or Computer Sciences

Bachelor of Business Administration (BBA)

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Principles of Microeconomics	ECO103	3	-
2	Philosophy, Logic and Ethics/Socioeconomic Philosophy of Islam	HUM357/SSC301	3	-
3	Introduction to Computer Applications	MIS103	3	-
4	English Grammar and Composition	SSC101	3	-
5	Foundations of Human Behavior	SSC104	3	-
	Semester - 2	**Course code**	**Credit hours**	**Pre-requisite**
1	Principles of Accounting	ACC111	3	-
2	Principles of Macroeconomics	ECO104	3	-
3	Speech Communication	HUM201	1+2	-
4	Principles of Management	MGT201	3	-
5	Introduction to Statistics	MTS102	3	-
6	Calculus with Applications-I	MTS104	3	-
Sophomore	**Semester - 3**	**Course code**	**Credit hours**	**Pre-requisite**
1	Financial Accounting	ACC201	3	ACC111
2	Introduction to Business Finance	FIN201	3	-
3	Organizational Behavior	MGT221	3	SSC104, MGT201
4	Principles of Marketing	MKT201	3	-
5	Statistical Inference (with econometrics lab)	MTS202	3	MTS101/MTS104, MTS102
6	Pakistan History	SSC151	3	-
	Semester - 4	**Course code**	**Credit hours**	**Pre-requisite**
1	Analysis of Pakistani Industries	ECO211	3	ECO103/ECO201, ECO104/ECO202
2	Financial Institutions and Markets	FIN301	3	FIN201
3	Financial Management	FIN401	3	FIN201
4	Business Communication (2+1 CH)	MGT211	3	MGT201, SSC104
5	Business Mathematics and Linear Algebra	MTS212	3	MTS101 / MTS104

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.

Bachelor of Business Administration (BBA)

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Management Accounting	ACC381	3	ACC111,ACC201
2	Human Resource Management	HRM401	3	MGT201, MKT201
3	Business Law	LAW205	3	-
4	Methods of Business Research	MKT301	3	MKT201, MTS202
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	Entrepreneurship	MGT421	3	FIN201, MGT201, MKT201
3	Marketing Issues in Pakistan	MKT401	3	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	Social Science and Liberal Arts elective NS Elective I	SSC	3	SSC102
3	Personal Effectiveness (non-credit course)	SSC240	-	MGT201, MGT211, MGT221, MKT201
4	Business elective II	-	3	-
5	Business elective III	-	3	-
6	Business elective IV	-	3	-

	Semester - 8	Course code	Credit hours	Pre-requisite
1	Experiential learning project (ELP)**	PRJ491	6	-
2	Business elective V	-	3	-
3	Business elective VI NS Elective II	-	3	-
4	Business elective VII NS Elective III	-	3	-

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

Important note

- Corporate Internship can only be carried out in the summer after the sixth semester (i.e. after completion of all the courses till sixth semester as mentioned in the aforementioned table). However, students from the 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 (BS) Accounting and Finance program

Bachelor of Science (BS) Accounting and Finance

Bachelor of Science (BS) Accounting and Finance program is a 4-year degree introduced in 2013 providing an exclusive opportunity for students to receive an academic degree that may lead to a professional qualification. BSAF program is recognized by the Institute of Chartered Accountants of Pakistan (ICAP) and Association of Chartered Certified Accountants (ACCA) with the following exemptions available from these professional bodies:

Institute of Chartered Accountants of Pakistan (ICAP)

An exemption of four 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 a student with ICAP, the students would be required:

• To complete training for 3 years (save 6 months) at an approved training organization

• Pass 6 papers of CFAP and 2 papers of MSA (old module E and F)

Association of Chartered Certified Accountants (ACCA)

ACCA has exempted 9 papers (F1 to F9) to BSAF graduates.

Other organizations/professional bodies

Chartered Institute of Management Accountants (CIMA) and Institute of Bankers Pakistan are expected to provide exemptions to BSAF graduates subject to completion of certain elective courses. Exemptions are usually provided on case-to-case basis on submission of course outlines. CFA Institute does not grant any exemptions as a principle, but BSAF courses, especially related to Finance, are closely aligned with CFA Level 1 and Level 2 syllabus in order to facilitate students to complete the exams. Many of the final year students successfully pass Level 1 of CFA before their graduation.

Curriculum structure	
Duration	4 years
Semesters	8
Courses	40+ELP
Total credit hours	**126**

Required courses			
Section	**Course category**	**Courses**	**Credit hours**
A	University core courses	4	12
B	Accounting core	6	18
C	Accounting electives	6	18
D	Finance core	5	15
E	Finance electives	7	21
F	Non-specialization courses	12	36
G	Experiential learning project (ELP) (6 hours)*	1*	6
	Total	**40+ELP**	**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 category	Courses	Credit hours	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC101	3	-
Pakistan History	SSC151	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. Accounting core courses

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

C. Accounting electives (6 to be selected)

1. Any of the courses offered by Accounting and Law department (subject to fulfilment of pre-requisites) that is not a core course. The relevant courses have the:
   - Course code in the format of ACCXXX
   - Course code in the format of LAWXXX
2. Strategic Management
3. Essential Software
4. International Business
5. Introduction to Programming

D. Finance core courses

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

E. Finance electives (7 to be selected)

1. Any of the courses offered by Finance department (subject to fulfillment of pre-requisites). These relevant courses have code in the format of FINXXX
2. Public Finance
3. International Trade
4. Financial Engineering & Risk Management
5. Financial Economics

F. Non-specialization core courses

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

Personal Effectiveness (PE) is not a separate course, but an addendum to Business Communication. It will be offered in the 7th semester.

Non-specialization electives (4 to be selected)

1. One (1) SS-Elective – that is offered by Social Science and Liberal Arts department (subject to fulfillment of pre-requisite)
   - Course code in the format of SSCXXX, HUMXXX, HSTXXX, NSCXXX, MCSXXX, POLXXX, PSYXXX), or
   - A language
2. Three (3) NS-Electives that can be any course offered by any of the departments, except:
   - A course offered by Accounting and Law department (Code in the format of ACCXXX, or LAWXXX)
   - A course offered by Finance department (Code in the format of FINXXX)

   Course code in the format of SSCXXX, HUMXXX, HSTXXX, NSCXXX, MCSXXX, POLXXX, PSYXXX or any language may also be taken as NS-elective subject to fulfillment of pre-requisites.

Any course may be chosen as elective if the relevant prerequisite condition has been met.

Accounting electives compulsory for CA and ACCA exemption

Course category	Courses code
Advanced Managerial Accounting	ACC310
Financial Reporting	ACC315
Advanced Auditing	ACC325
Advanced Financial Reporting	ACC401
Corporate Law	LAW305
Advanced Taxation	LAW401

Bachelor of Science (BS) Accounting and Finance

Semester-wise sequence of courses

The following sequence is only a tentative plan about the courses offered in the program. The department has the right to change the sequence at any time for administrative purposes.

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Principles of Accounting	ACC111	3	-
2	Introduction to Economics	ECO105	3	-
3	Introduction to Statistics	MTS102	3	-
4	Calculus with Application	MTS104	3	-
5	English Grammar and Composition	SSC101	3	-
6	Pakistan History	SSC151	3	-
	Semester - 2	**Course code**	**Credit hours**	**Pre-requisite**
1	Financial Accounting	ACC201	3	ACC111
2	Introduction to Business Finance	FIN201	3	-
3	Speech Communication	HUM201	3	-
4	Business Law	LAW205	3	-
5	Introduction to Computer Application	MIS103	3	-
6	Socioeconomic Philosophy or Philosophy, Logic and Ethics	SSC301/HUM357	3	-
Sophomore	**Semester - 3**	**Course code**	**Credit hours**	**Pre-requisite**
1	Financial Institutions and Markets	FIN301	3	FIN201
2	Financial Management	FIN401	3	FIN201
3	Management and Organizational Behaviour	MGT231	3	-
4	Principles of Marketing	MKT201	3	-
5	Statistical Inference with Econometrics	MTS202	3	MTS102
	Semester - 4	**Course code**	**Credit hours**	**Pre-requisite**
1	Management Accounting	AACC381	3	ACC201
2	Taxation	LAW303	3	ACC201
3	Accounting elective I	-	3	-
4	NS Elective I	-	3	-
5	NS Elective II	-	3	-

Bachelor of Science (BS) Accounting and Finance

Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Auditing	ACC320	3	-
2	Financial Modeling	FIN464	3	FIN401
3	Regulations and Financial Markets	FIN558	3	FIN401
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 III	-	3	-

Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Accounting elective IV	-	3	-
2	NS elective IV	-	-	-
3	Finance elective IV	-	3	-
4	Finance elective V	-	3	-
5	Finance elective VI	-	3	-

	Semester - 8	Course code	Credit hours	Pre-requisite
1	Accounting elective V	-	3	-
2	Accounting elective VI	-	3	-
3	Finance elective VII	-	3	-
4	ELP	-	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 semester after the 6th semester (i.e. after completion of all the courses till 6th semester as mentioned in the semester-wise break up above). However, students from the spring intake batch can be provided with a special provision to carry out their corporate internships during the subsequent summer after their 5th semester i.e. by the end of spring semester every year.

- ELP is mandatory for ACF program.
- ELP is a project, equivalent to 6 credit hours that will also be incorporated in CGPA.

Bachelor of Science (BS)
Computer Science program

Bachelor of Science (BS) Computer Science

Bachelor of Science (BS) Computer Science program is a 4-year degree program that includes courses from theoretical Computer Science, Technology, Social Sciences and Liberal Arts, and other areas. The aim is to educate students to become skilled professionals with problem-solving capability in Computer Science (CS) and allied areas. It also prepares students for research and development roles. It comprises of a total of 129 units, which are divided into university core, CS core, CS elective, non-specialization core, and non-specialization elective with 12, 63, 18, 24, and 12 units respectively. The non-specialization courses and electives are from supporting disciplines of Mathematics, Physics and Communication. The program's 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 and 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.

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

Section	Course 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	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC101	3	-
Pakistan History	SSC151	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. 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 and Networks	CSE248	4	CSE142, CSE145
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

B. Computer Science core courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Introduction to Artificial Intelligence	CSE307	3	CSE247
Computer Science Project – I	CSE491	3	CSE312, CSE341
Computer Science Project - II	CSE492	3	CSE491
Audit, Ethics and 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
Cloud Computing	CSE351	3	CSE248, CSE331, CSE34
Computer Graphics	CSE352	3	-
System Modeling and Simulation	CSE403	3	-
Microprocessor Interfacing	CSE448	4	CSE345
Application Development for Mobile Devices	CSE450	3	CSE142, CSE312
Introduction to Computer Vision	CSE454	3	-
Network Security	CSE455	3	CSE248
Business Intelligence	CSE459	3	CSE341, MIS343
Introduction to Game Programming and Robotics	CSE460	3	CSE307
Mathematics for Games	CSE461	3	-
Introduction to Image Processing	CSE462	3	-
Introduction to Bioinformatics	CSE463	3	CSE247
Quantum Computer Science	CSE517	3	MTS203, CSE309
Data Warehousing	MIS343	4	CSE341
Social Computing	MIS406	3	CSE341
Technopreneurship	MIS450	3	-
Customer Relationship Management	MIS451	3	-
E-Commerce	MIS456	3	-
IS Security	MIS457	3	-
Enterprise Resource Planning	MIS458	4	ACC111
Mobile Marketing - A Technological Perspective	MIS463	3	-
Financial Services Technologies	MIS464	3	-

Bachelor of Science (BS) Computer Science

D. Program core

Course title	Course code	Credit hours	Pre-requisite
Business Communications	MGT211	3	HUM201
Calculus - I with Plane Geometry	MTS101	3	-
Introduction to Statistics	MTS102	3	-
Linear Algebra	MTS203	3	MTS101
Discrete Mathematics	MTS211	3	MGT101
Calculus - II with Solid Geometry	MTS232	3	MTS101
Numerical Analysis	MTS306	3	MTS232
Physics	SCI102	3	-

E. General electives

Any course other than Computer Science is considered as a general elective which also includes Social Sciences as well as languages.

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 and Composition	SSC103	3	-
5	Pakistan History or Socioeconomic Philosophy of Islam	SSC151/SSC301	3	-

Bachelor of Science (BS) Computer Science

Semester-wise sequence of courses (Contd.)

	Semester – 2	Course code	Credit hours	Pre-requisite
1	Object Oriented Programming Techniques	CSE142	4	CSE141
2	Speech Communication	HUM201	3	SSC103
3	Introduction to Statistics	MTS102	3	-
4	Discrete Mathematics	MTS211	3	MTS101
5	Calculus-II with Solid Geometry	MTS232	3	MTS101
6	Physics	SCI102	3	-

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	Introduction to Artificial Intelligence	CSE307	3	CSE247
2	Computer Communication and Networking	CSE248	4	CSE142, CSE145
3	Theory of Automata	CSE309	3	CSE141, CSE211
4	Computer Architecture and Assembly Language	CSE345	4	CSE241, CSE247
5	Socioeconomic Philosophy of Islam or Pakistan History	SSC301/SSC151	3	-

Junior	Semester – 5	Course code	Credit hours	Pre-requisite
1	CS elective-I	CSE-	3	-
2	Software Engineering	CSE312	3	CSE247
3	Operating Systems	CSE331	3	CSE345
4	Database Systems	CSE341	4	CSE247
5	Business Communication	MGT211	3	HUM201
6	Personal Effectiveness	SSC240	-	-

Semester-wise sequence of courses (Contd.)

	Semester – 6	Course code	Credit hours	Pre-requisite
1	Design and Analysis of Algorithm	CSE317	3	CSE247
2	Systems Programming	CSE441	4	CSE331
3	CS elective-II	CSE-	3	-
4	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 and 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 the 6th semester as mentioned in the semester-wise break up above).*

Bachelor of Science (BS) Economics program

Bachelor of Science (BS) Economics

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 opportunities to broaden their knowledge base. The Economics research project in the 4th year enables students to apply the quantitative tools learned 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	Economics research project (core)	1	4
Total		**41**	**126**

A. University core courses

Course title	Course code	Credit hours	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC101	3	-
Pakistan History	SSC151	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__*

Bachelor of Science (BS) Economics

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
Development Economics I	ECO203	3	ECO103/ECO104/ECO105
Development Economics II	ECO302	3	ECO203
Mathematical Economics	ECO303	3	MTS101/MTS104
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Applied Econometrics I	ECO343	4	MTS202
Applied Econometrics II	ECO344	4	ECO343
Major Issues in Pakistan Economy	ECO403	3	ECO203
Contemporary Issues in Global Economics	ECO404	3	EOC104/ECO105
Research Methods in Economics	ECO411	3	ECO343
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
History of Economic Thought	ECO467	3	ECO104/ECO105

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	3	ECO201
Public Finance	ECO451	3	ECO104/ECO105
Monetary Economics	ECO452	3	ECO202
Time Series Econometrics	ECO457	3	ECO343
Climate Change Economics	ECO458	3	ECO103
International Finance	ECO459	3	ECO103, ECO104
Natural Resource and Environmental Economics	ECO461	3	ECO201
Game Theory	ECO464	3	ECO201/ECO211
Health Economics	ECO471	3	ECO201
Labour Economics	ECO472	3	ECO201

D. Supporting courses (Mathematics and Statistics)

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

College Algebra is a non-credit course and is offered only for those students who do not have a Mathematics background. Students will not be required to pay the fees for College Algebra.

E. Non-specialization elective courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Computer Applications	MIS103	3	-
Essential Software	MTS111	3	-
Introduction to Academic Writing	SSC236	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 and Liberal Arts, Mathematics, Statistics, and Computer Science.

F. Research project

Course title	Course code	Credit hours	Pre-requisite
Final Year Economics Project	ECO441	4	-

Bachelor of Science (BS) Economics

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Principles of Microeconomics	ECO103	3	-
2	Introduction to Computer Applications	MIS103	3	-
3	Introduction to Statistics	MTS102	3	-
4	Pakistan History	SSC151	3	-
5	English Grammar and Composition	SSC101	3	-
6	College Algebra*	MTS105	3	-
	Semester - 2	Course code	Credit hours	Pre-requisite
1	Principles of Macroeconomics	ECO104	3	-
2	Speech Communication	HUM201	3	-
3	Calculus with Applications I or Calculus I with Plain Geometry	MTS104/MTS101	3	-
4	Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics**	SSC301/HUM357	3	-
5	Non-specialization elective I	-	3	-
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Intermediate Microeconomics	ECO201	3	ECO103
2	Linear Algebra	MTS203	3	MTS104/MTS101
3	Calculus with Applications II or Calculus II with Solid Geometry	MTS106/MTS232	3	MTS104/MTS101
4	Introduction to Academic Writing	SSC236	3	-
5	Non-specialization elective II	-	3	-
	Semester - 4	Course code	Credit hours	Pre-requisite
1	Intermediate Macroeconomics	ECO202	3	ECO104
2	Development Economics I	ECO203	3	ECO103/ECO104/ECO105
3	Essential Software	MTS111	3	-
4	Statistical Inferences	MTS202	3	MTS102
5	Non-specialization elective III	-	3	-

Bachelor of Science (BS) Economics

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Development Economics II	ECO302	3	ECO203
2	Mathematical Economics	ECO303	3	MTS101/MTS104
3	Microeconomic Theory	ECO312	3	ECO201
4	Applied Econometrics I	ECO343	4	MTS202
5	Non-specialization elective IV	-	3	-
6	Personal Effectiveness ***	SSC240	-	-

	Semester - 6	Course code	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	3	ECO202
2	Applied Econometrics II	ECO344	4	ECO343
3	Major Issues in Pakistan Economy	ECO403	3	ECO203
4	International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
5	Non-specialization elective V	-	3	-

Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Research Methods for Economics	ECO411	3	ECO343
2	History of Economic Thought	ECO467	3	ECO104/ECO105
3	Economics elective I	ECO-	3	-
4	Economics elective II	ECO-	3	-
5	Non-specialization elective VI	-	3	-
6	Final Year Economics Project	ECO441	4	-

	Semester - 8	Course code	Credit hours	Pre-requisite
1	Contemporary Issues in Global Economics	ECO404	3	EOC104/ECO105
2	Economics elective III	ECO-	3	-
3	Economics elective IV	ECO-	3	-
4	Non-specialization elective VII	-	3	-
5	Non-specialization elective VIII	-	3	-

College Algebra is a non-credit course and is offered only for those students who do not have a Mathematics background. Students will not be required to pay the fees for College Algebra.

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

***Personal Effectiveness will be offered during either the 5th or 6th semester. This is a non-credit course and is a part of graduation requirement. It consists of five 2-hour workshops distributed over the whole semester.*

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.

Bachelor of Science (BS) Economics and Mathematics program

Bachelor of Science (BS) Economics and Mathematics

BS 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 give students several opportunities to broaden their knowledge and expand their horizon. The research project in the fourth 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 and 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
Speech Communication	HUM201	3
English Grammar and Composition	SSC101	3
Pakistan History	SSC151	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 either take 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
Development Economics I	ECO203	3	ECO103/ECO104/ECO105
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Applied Econometrics I	ECO343	4	MTS202
Applied Econometrics II	ECO344	4	ECO343
Research Methods for Economics	ECO411	3	ECO343
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
Economics Elective I	ECO-	3	-
Economics Elective II	ECO-	3	-

Bachelor of Science (BS) Economics and Mathematics

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

Course title	Course code	Credit hours	Pre-requisite
Development Economics II	ECO302	3	ECO203
Public Economics	ECO401	3	ECO201
Major Issues in Pakistan's Economy	ECO403	3	ECO203
Contemporary Issues in Global Economics	ECO404	3	EOC104/ECO105
Public Finance	ECO451	3	ECO104/ECO105
Monetary Economics	ECO452	3	ECO202
Time Series Econometrics	ECO457	3	ECO343
Climate Change Economics	ECO458	3	ECO103
International Finance	ECO459	3	ECO103, ECO104
Natural Recourse and Environmental economics	ECO461	3	ECO201
Game Theory	ECO464	3	ECO201/ECO211
History of Economic Thought	ECO467	3	ECO104/EOC105
Health Economics	ECO471	3	ECO201
Labour Economics	ECO472	3	ECO201

D. Mathematics core course

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

D. Mathematics core course (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Partial Differential Equations[3]	MTS436	3	MTS241
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. Real Analysis I (MTS341) could be counted in place of Real Analysis (MTS301) but vice-versa is not applicable.

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

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

Course title	Course code	Credit hours	Pre-requisite
Complex Analysis	MTS302	3	MTS341
Abstract Algebra I	MTS305	3	MTS203
Numerical Analysis	MTS306	3	MTS232
Functional Analysis I	MTS411	3	MTS341
Functional Analysis II	MTS412	3	MTS411
Abstract Algebra II	MTS413	3	MTS305
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	-
Fluid Dynamics II	MTS438	3	-
Financial Mathematics with a computational approach	MTS441	3	-
Computational Finance	MTS442	3	-
Topology I	MTS451	3	MTS341
Scientific Computing for Linear PDE's	MTS414	3	MTS413
Modern Algebra I (Galois Theory and Application)	MTS443	3	MTS413

Bachelor of Science (BS) Economics and Mathematics

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

Course title	Course code	Credit hours	Pre-requisite
Modern Algebra II (Commutative Rings and Fields)	MTS444	3	MTS413
Measure Theory I	MTS445	3	-
Measure Theory II	MTS446	3	-
Operations Research I	MTS447	3	-
Operations Research II	MTS448	3	-
Introduction to Differential Topology	MTS452	3	MTS451
Financial Engineering	MTS453	3	MTS441

F. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Foundations of Data Science	CSE306	3	-
Introduction to Statistics	MTS102	3	MTS105
Essential Software	MTS111	3	-
Statistical Inference	MTS202	3	MTS102
Probability Theory[1]	MTS231	3	MTS102
Introduction to Academic Writing	SSC236	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
Final Year Economics Project or Final Year Mathematics Project	ECO441/MTS471	4	-

Note: Students can take either ECO441 or MTS471.

Bachelor of Science (BS) Economics and Mathematics

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite
1	Principles of Microeconomics	ECO103	3	-
2	Calculus I with Plane Geometry	MTS101	3	-
3	Introduction to Statistics	MTS102	3	-
4	English Grammar and Composition	SSC101	3	-
5	Pakistan History	SSC151	3	-

	Semester - 2	Course code	Credit hours	Pre-requisite
1	Principles of Macroeconomics	ECO104	3	-
2	Speech Communication	HUM201	3	-
3	Statistical Inference	MTS202	3	MTS102
4	Calculus II with Solid Geometry	MTS232	3	MTS101
5	Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics*	SSC301/HUM357	3	-

Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Intermediate Microeconomics	ECO201	3	ECO103
2	Essential Software	MTS111	3	-
3	Discrete Mathematics	MTS211	3	-
4	Multivariable Calculus	MTS242	4	MTS232
5	Introduction to Academic Writing	SSC236	3	-

	Semester - 4	Course code	Credit hours	Pre-requisite
1	Foundations to Data Science	CSE306	3	-
2	Intermediate Macroeconomics	ECO202	3	ECO104
3	Development Economics I	ECO203	3	ECO103/ECO104/EOC105
4	Linear Algebra	MTS203	3	MTS101
5	Probability Theory	MTS231	3	MTS102

Bachelor of Science (BS) Economics and Mathematics

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Microeconomic Theory	ECO312	3	ECO201
2	Applied Econometrics I	ECO343	4	MTS202
3	Introduction to Differential Equations	MTS241	3	MTS101
4	Real Analysis I	MTS341	4	MTS232
5	Non-specialization elective I	-	3	-
6	Personal Effectiveness **	SSC240	-	-

	Semester - 6	Course code	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	3	ECO202
2	Applied Econometrics II	ECO344	4	EOC343
3	Stochastic Processes	MTS304	3	MTS231
4	Optimization Techniques	MTS330	3	MTS203
5	Non-specialization elective II	-	3	-

Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Research Methods for Economics	ECO411	3	ECO343
2	Partial Differential Equations	MTS436	3	MTS241
3	Economics elective I	ECO-	3	-
4	Mathematics elective I	-	3	-
5	Non-specialization elective III	-	3	-
6	Final Year Economics Project or Final Year Mathematics Project	ECO 441/MTS 471	4	-

	Semester - 8	Course code	Credit hours	Pre-requisite
1	International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
2	Probability and Statistical Models	MTS430	3	MTS231
3	Economics elective II	ECO-	3	-
4	Mathematics elective II	MTS-	3	-
5	Non-specialization elective IV	-	3	-

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

**Personal Effectiveness will be offered during either the 5th or 6th semester. This is a non-credit course and is a part of graduation requirement. It consists of five 2-hour workshops distributed over the whole semester.

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.

Bachelor of Science (BS) Social Sciences and Liberal Arts program

Bachelor of Science (BS) Social Sciences and Liberal Arts

The Bachelor of Science (BS) in Social Sciences and Liberal Arts is a 4-year multidisciplinary undergraduate program with major offerings in Psychology, Political Science, Media and Communication Studies and History. The program is designed to not only impart the theoretical and experiential knowledge students need for their professional and academic endeavors but to also provide the tools they need to engage with an increasingly diverse and complex world. The IBA Karachi understands the importance of studying the Social Sciences and Humanities using interdisciplinary approaches that challenge epistemological boundaries while realizing underlying historical processes and socio-cultural contexts. To accomplish these goals, the program is structured to allow students to pick elective courses of their choosing from a wide variety of disciplines, while maintaining a specialized focus on their respective major fields.

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 reflecting their own research interests and training. 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	Course 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	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC101	3	-
Pakistan History	SSC151	3	-
*Socioeconomic Philosophy of Islam (SEPI) 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

Bachelor of Science (BS) Social Sciences and Liberal Arts

B. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Core (5)			
Introduction to Statistics	MTS102	3	-
Calculus-I with Applications	MTS104	3	
Intermediate English Grammar and Composition	SSC106	3	SSC101
Foreign Language I	SSC201/205/209/330	4	-
Foreign Language II	SSC202/206/210/331	4	SSC201/205/209/330
Electives (2)**			
Non-specialization elective I	-	-	-
Non-specialization elective II	-	-	-

**Non-specialization electives can be from the Humanities list or courses offered by other departments/for other programs.

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

C. Supporting courses

Course title	Course code	Credit hours	Pre-requisite
Core (5)			
Statistical Inference	MTS202	3	MTS102
South Asian History	SSC221	3	-
History of Ideas II	SSC238	3	SSC239
History of Ideas I	SSC239	3	-
Computational Research Methods	SSC302	4	MTS202
Natural Science electives (1 from the following list)***			
Are We Becoming Post-human? Technology, Society, Ethics	HUM377	3	-
An Introduction to the Philosophy of Mathematics	HUM382	3	-
Environmental Anthropology	HUM455	3	-
History of Science	NSC351	3	-
Introduction to Environmental Sciences	NSC354	3	-
Sustainable Cities and Communities	NSC358	3	-
An Introduction to the Philosophy of Physics	NSC359	3	-
Climate Change and Us	NSC360	3	-
Science and Medicine in Islamic Societies 700 – 1700	NSC361	3	

C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Visual Studies electives (1 from the following list)***			
Empire and Vision: Between Production and Representation of South Asian Cities	HUM350	3	SSC216
Art of the Islamic World	HUM366	3	-
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
Islamic Book Arts 1200-1800	HUM450	3	-
Screening the Body: Gender, Race and Nation in Visual Culture	HUM451	3	SSC216
Lights, Camera, History: Representations of Medieval South Asia in Bollywood	MCS350	3	SSC216
Race, Class, and Gender in Film and Television	MCS353	3	SSC216
Crime and Legality in Visual Cultures	MCS357	3	SSC216
Watching Films	MCS359	3	SSC216
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
The Western Travel Documentary in a Global Context	MCS370	3	SSC216
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216
Fundamentals of Design and Communication	MCS377	3	SSC216
Humanities electives (2 from the following list)***			
From Empires to Nation-States: A History of the Pre-20th Century World	HST301	3	SSC232
The Ottoman, Safavid, and Mughal Empires	HST354	3	-
An Introduction to Urdu Poetry and Poetics	HUM340	3	-
Freaks, Geeks and Monsters: Exploring the Role of the Other in Fiction	HUM341	3	SSC106
Reading Poetry	HUM352	3	SSC106
Anglo-Indian Narrative and the Postcolonial Subject	HUM355	3	SSC106
Philosophy, Logic and Ethics	HUM357	3	-
Creative Writing	HUM360	3	-
Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction	HUM367	3	SSC106
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
The Making of the Mughal Empire: An Intellectual and Cultural History	HUM369	3	SSC221
From Ghalib to Bollywood	HUM370	3	-

C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Humanities electives (2 from the following list)*			
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
History of Anthropological Thought	HUM372	3	SSC233
Introduction to Literary Modernism	HUM374	3	SSC106
A History of the Cold War	HUM376	3	-
Are We Becoming Post-Human? Technology, Society, Ethics	HUM377	3	-
A History of the Fable in its Greek, Arabic and Indic Traditions	HUM378	3	-
Don Quixote and its Andalusian Milieu	HUM379	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
An Introduction to the Philosophy of Mathematics	HUM382	3	-
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM384	3	SSC232, SSC221
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	-
An Introduction to the Islamic Scholarly Tradition	HUM388	3	-
Ethnographic Theory and Practice	HUM452	3	SSC231/SSC233
Spirituality in Islam: Classical Texts and Themes	HUM453	3	-
Prophets in the Abrahamic Traditions	HUM454	3	-
Environmental Anthropology	HUM455	3	-
Evolution of Music in South Asia	HUM456	3	-
Ethnomusicology: Music and Culture	HUM457	3	SSC233
Female Friendship in World Literature	HUM458	3	-
Introduction to Feminist Theory	HUM459	3	SSC231
Food, Self and Society	HUM460	3	SSC231/SSC233
An Introduction to the Philosophy of Mind	HUM485	3	-
Gutenberg to Google: A Social History of Media	MCS302	3	SSC216
Media, Law and Ethics	MCS352	3	SSC216
Analyzing the News	MCS355	3	SSC216

Bachelor of Science (BS) Social Sciences and Liberal Arts

C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Humanities electives (2 from the following list)*			
Journalism and Public Discourse	MCS371	3	SSC216
History of Political Thought	POL302	3	SSC217
Studying the City in the Global South: Planning, Politics and Development	POL360	3	SSC217
Pakistan's Foreign Policy	POL362	3	SSC217
Political Philosophy	POL364	3	SSC217
Culture and Power in Human Societies	POL366	3	SSC217, SSC233
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
History, Theory and Practice of Diplomacy	POL373	3	SSC217
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Women's Issues and Activism in Pakistan	POL379	3	-
Transnational Islamic Politics in the Post-9/11 World	POL451	3	-
History of Economic Thought	SSC107	3	-
Major Themes in World History	SSC121	3	-
Advanced English Composition	SSC213	3	SSC106
Introduction to Linguistics	SSC235	3	-

D. Social Sciences core courses

Course title	Course code	Credit hours	Pre-requisite
Culture, Media, and Society	SSC216	3	-
Introduction to Political Science	SSC217	3	-
Introduction to Psychology	SSC218	3	-
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	-

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
History and Systems of Psychology	PSY304	3	SSC218
Introduction to Social Psychology	PSY351	3	SSC218
Psychology electives (6 from the following list)*			
Human Resource Management /Management and Human Resource	HRM401/HRM464	3	-
Organizational Behaviour /Management and Organizational Behaviour	MGT221/MGT231	3	-
Memory and Attention	PSY275	3	SSC218, PSY301
Consumer Psychology	PSY350	3	-
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
Gender Psychology	PSY364	3	SSC218, PSY301
Counseling Psychology	PSY365	3	SSC218, PSY301
Cyber Psychology	PSY366	3	SSC218, PSY301
Personality Psychology	PSY367	3	SSC218, PSY301
Educational Psychology	PSY368	3	SSC218, PSY301
Positive Psychology	PSY369	3	SSC218, PSY301
Clinical Psychology	PSY370	3	SSC218, PSY301
Physiological Psychology	PSY371	3	SSC218, PSY301
Cross-Cultural Psychology	PSY372	3	SSC218, PSY301
Environmental Psychology	PSY373	3	SSC218, PSY301
Climate Change: Psychology of Denial, Impacts, and Adaptation	PSY374	3	SSC218, PSY301
Forensic and Criminal Psychology	PSY376	3	SSC218, PSY301

E. Major core + electives (Contd.)

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)*			
Public Policy Analysis: Theory and Practice	ECO560	3	-
A History of the Cold War	HUM376	3	-
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Political Communication	MCS372	3	SSC216/217, POL/MCS301
Political Violence, Civil War, and Terrorism	POL350	3	SSC217, POL301
Political Psychology	POL351	3	SSC217/218, POL/PSY301
Foreign Policy in China	POL352	3	SSC217, POL301
An Introduction to Legal Theory	POL353	3	-
War: Conceptual Underpinnings	POL354	3	SSC217, POL301
Human Rights and Law	POL355	3	SSC217, POL301
The Modern Middle East	POL359	3	SSC217, POL301
Studying the City in the Global South: Planning, Politics and Development	POL360	3	SSC217
Pakistan's Foreign Policy	POL362	3	SSC217
Political Philosophy	POL364	3	SSC217
Introduction to Foreign Policy Analysis	POL365	3	SSC217
Culture and Power in Human Societies	POL366	3	SSC217, POL301
Global Urbanisms	POL367	3	SSC217, POL301
Politics in Colonial and Post-Colonial Punjab	POL370	3	SSC217, POL301
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
Negotiation and Conflict Resolution	POL372	3	SSC217, POL301
History, Theory and Practice of Diplomacy	POL373	3	SSC217
Community Planning and Development	POL374	3	SSC217, POL301

E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Political Science electives (6 from the following list)***			
History of Decolonization	POL375	3	SSC217, POL301
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Politics of Resistance in the Middle East	POL377	3	SSC217, POL301
China's Contemporary Security Environment	POL378	3	SSC217, POL301
Women's Issues and Activism in Pakistan	POL379	3	-
Winners, Losers, and Bystanders: Political Economy Perspectives on Global Changes	POL450	3	SSC217, POL301
Transnational Islamic Politics in the Post-9/11 World	POL451	3	-
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
Media and Communication Studies electives (6 from the following list)***			
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
Lights, Camera, History: Representations of Medieval South Asia in Bollywood	MCS350	3	SSC216
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
Crime and Legality in Visual Cultures	MCS357	3	SSC216
Journalism Essentials for Business: Visibility in the Age of New Media	MCS358	3	-
Watching Films	MCS359	3	SSC216
History of Film	MCS360	3	SSC216
Foundations of Screenwriting	MCS364	3	-
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Media Anthropology	MCS368	3	SSC216, MCS301
The Western Travel Documentary in a Global Context	MCS370	3	SSC216
Journalism and Public Discourse	MCS371	3	SSC216
Political Communication	MCS372	3	SSC216/217, POL/MCS301

E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Media and Communication Studies electives (6 from the following list)***			
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216
Fundamentals of Design and Communication	MCS377	3	SSC216
Karachi in the Media	MCS378	3	SSC216
Fan Studies: Theory and Practice	MCS379	3	SSC216
Social Media Marketing	MKT569	3	-
Media Psychology	PSY 353	3	SSC216/218, MCS/PSY301
History			
History core courses			
From Empires to Nation-States: A History of the Pre-20th Century World	HST301	3	SSC232
Topics in Historiography	HST302	3	SSC232
Twentieth Century Global History	HST303	3	SSC232
Research Methods in History: Primary Source Genres	HST304	4	SSC232
History Electives (6 from the following list)***			
A History of the Indian Ocean World	HST351	3	SSC232
Historiography of Early Islam	HST352	3	SSC232
Ecological History	HST353	3	SSC232
The Ottoman, Safavid, and Mughal Empires	HST354	3	-
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
The Making of the Mughal Empire: An Intellectual and Cultural History	HUM369	3	SSC221
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
A History of the Cold War	HUM376	3	-
A History of the Fable in its Greek, Arabic and Indic Traditions	HUM378	3	-
Don Quixote and its Andalusian Milieu	HUM379	3	-
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SS221
Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM381	3	SSC232, SSC221
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM384	3	SSC232, SSC221
Sufism: A Social, Political and Economic History	HUM387	3	-

E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
History Electives (6 from the following list)*			
Lights, Camera, History: Representations of Medieval South Asia in Bollywood	MCS350	3	SSC216
History of Science	NSC351	3	-
Science and Medicine in Islamic Societies 700 – 1700	NSC361	3	
History of Political Thought	POL302	3	SSC217
Politics in Colonial and Post-Colonial Punjab	POL370	3	SSC217, POL301
History of Decolonization	POL375	3	SSC217, POL301
Major Themes in World History	SSC121	3	-

***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	Calculus-I with Applications	MTS104	3	-
2	English Grammar and Composition	SSC101	3	-
3	Fundamentals of Sociology	SSC231	3	-
4	Introduction to Historical Methods	SSC232	3	-
5	History of Ideas-I	SSC239	3	-

	Semester - 2	Course code	Credit hours	Pre-requisite
1	Introduction to Statistics	MTS102	3	-
2	Intermediate English Grammar and Composition	SSC106	3	SSC101
3	Introduction to Psychology	SSC218	3	-
4	South Asian History	SSC221	3	-
5	History of Ideas-II	SSC238	3	SSC239

Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite
1	Speech Communication	HUM201	3	-
2	Statistical Inference	MTS202	3	MTS102
3	Pakistan History	SSC151/222	3	-
4	Foreign Language-I	SSC201/205/209/330	4	-
5	Introduction to Social and Cultural Anthropology	SSC233	3	-

Bachelor of Science (BS) Social Sciences and Liberal Arts

Semester-wise sequence of courses

	Semester - 4	Course code	Credit hours	Pre-requisite
1	Foreign Language II	SS202/206/210/331	4	SSC201/205/209/330
2	Culture, Media, Society	SSC216	3	-
3	Introduction to Political Science	SSC217	3	-
4	Introduction to Urban Studies	SSC234	3	-
5	Socioeconomic Philosophy of Islam or Philosophy, Logic and Ethics	SSC301/HUM357	3	-
Summer	6-week responsible citizen initiative - no credit	-	-	-

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.*

- **Master of Business Administration (MBA)**
- **Master of Business Administration (MBA) Executive**
- **Master of Science (MS) Computer Science**
- **Master of Science (MS) Economics**
- **Master of Science (MS) Islamic Banking and Finance**
- **Master of Science (MS) Journalism**
- **Master of Science (MS) Management**
- **Master of Science (MS) Mathematics**
- **Master of Science (MS) Data Science** New
- **Master of Science (MS) Finance** New

Master of Business Administration (MBA) program

Master of Business Administration (MBA)

The vision of the program is to make it a leading MBA program of choice in the region which shapes businesses and societies. The mission of the MBA program at IBA is to contribute to businesses 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 to work with ethical integrity. The MBA faculty using state of the art technology and pedagogies fosters 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.

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 equipment
- Written: Logical and clear presentation of ideas

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

Global mind set
- 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

MBA morning

The MBA Morning Program is offered at the 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's degree or equivalent) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.50 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 the city and main campuses. Specializations 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 are 42 months/72 credit hours.

Pre-requisites

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 2.50 CGPA or 60% in the last degree (whichever is applicable). Candidates with work experience will be preferred.

Program structure

72 credit hours including the MBA Project.

Program structure

Section	Course category	Courses	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	**27**	**72**

Master of Business Administration (MBA)

MBA morning and evening curriculum

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

Semester - 1	Course code	Credit hours	Pre-requisite
Financial Accounting and Information Systems	ACC506	3	-
Business Statistics	MTS509	2	-
Business Intelligence	MTS510	1	-
Managerial Economics	ECO501	3	-
Business Finance I	FIN506	3	-
Organizational Behavior and Leadership	MGT557	3	-
Marketing Management	MKT501	3	-
Total Credit hours		**18**	

Semester - 2	Course code	Credit hours	Pre-requisite
Accounting for Decision Making	ACC505	3	ACC506
Macroeconomics	ECO507	1.5	ECO501
International Political Economy	ECO508	1.5	ECO501
Business Finance II	FIN507	3	FIN506
Legal and Regulatory Environment of Business	LAW501	3	-
Operations and Production Management	MGT510	3	-
Applied Business Research - Qualitative	MKT503	1.5	MKT501, MTS509, MTS510
Applied Business Research - Quantitative	MKT507	1.5	MKT501, MTS509, MTS510
Total Credit hours		**18**	

Master of Business Administration (MBA)

Summer internship (6-8 weeks)***

Semester - 3	Course code	Credit hours	Pre-requisite
Corporate Strategy **	MGT506	3	-
MBA project (core course) **	PRJ701-	3	-
A minimum of four courses from electives	-	12	-
Total Credit hours		**18**	

Semester - 4	Course code	Credit hours	Pre-requisite
MBA project (core course)	PRJ701	3	-
A minimum of five courses from electives	-	15	-
Total Credit hours		**18**	

*Mandatory for all students
**Corporate Strategy and MBA Project can only be taken after completion of all core courses
***Mandatory for Non BBA background students

Note: MBA Morning students (except repeaters) are required to complete their core courses in the 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 in a 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. 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.

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

Master of Business Administration (MBA)

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.

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 in order to maximize the learning process.

Advising role

The MBA program office acts as a help center for MBA students. It counsels the students on academic issues such as selection of courses and teachers. It also provides an opportunity to discuss with students their personal issues (such as managing stress related to academics and other problems).

GPA requirement for award of MBA degrees

An MBA program student whose CGPA in the final semester is less than 2.20 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 2.20), 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 midterm 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, 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.

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 businesses. 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 admissions 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 core courses (capstone course is also a core course). 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 the 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 over 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 semester. This exercise will improve students personal growth and will be helpful once they enter their professional lives.

Master of Business Administration (MBA)

List of electives

Course title	Course code	Credit hours	Pre-requisite
Actg. Info. System with SAP	ACC507	3	ACC506
Auditing Theory and Practice	ACC557	3	ACC506
IFRS and Financial Reporting in Pakistan	ACC559	3	ACC506
Analysis of Financial Statements	ACC561	3	ACC506
Project Evaluation and Financing	ACC589	3	ACC506
Business Analytics	MTS501	3	MKT503, MKT507
International Field Project Course	BUS551	3	-
Introduction to Ethics and Moral Philosophy	BUS553	3	-
International Trade	ECO539	3	ECO501
Public Policy Analysis: Theory and Practice	ECO560	3	ECO501
Environmental and Resource Economics	ECO561	3	ECO501
Financial Economics	ECO562	3	ECO501
Monetary Economics	ECO566	3	ECO501
Water Economics and Policy	ECO574	3	ECO501
Microeconomics of Policy Analysis	ECO575	3	ECO501
Financial Intermediation	FIN531	3	FIN507
Advance Credit Management	FIN532	3	FIN507
Financial System – process, players, status and prognosis	FIN533	3	FIN507
The Strategic Management of Banks	FIN541	3	FIN507
International Finance	FIN551	3	FIN507
International Financial Management	FIN552	3	FIN507
Investment Banking and Financial Services	FIN554	3	FIN507
Security Analysis and Capital Markets	FIN556	3	FIN507
Regulation and Financial Markets	FIN558	3	FIN507
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
Derivatives and Risk Hedging	FIN568	3	FIN507
Financial Econometrics	FIN569	3	FIN507

List of electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Islamic Banking and Finance	FIN570	3	FIN507
Financial Modelling	FIN574	3	FIN507
Seminar in Finance	FIN577	3	FIN507
Fixed Income Securities	FIN594	3	FIN507
Recruitment and Selection Techniques	HRM530	3	MGT557
Organizational Development	HRM552	3	MGT557
Team Management	HRM557	3	MGT557
Leading the Change Process	HRM558	3	MGT557
Performance and Compensation Management	HRM562	3	MGT557
Training and Development	HRM571	3	MGT557
Corporate Governance and Practices in Pakistan	LAW553	3	LAW501
Entrepreneurial Management	MGT507	3	-
Strategic Human Resource Management	MGT512	3	MGT557
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	-
International Business	MGT559	3	-
Technology Innovation Management and Design	MGT561	3	-
Branding and Creative Corporate Communication	MKT506	3	MKT501
Advertising	MKT551	3	MKT501
Consumer Behavior	MKT552	3	MKT501
Social Marketing	MKT556	3	MKT501
Dynamic Distribution and Logistics	MKT557	3	MKT501
Customer Ascendancy	MKT558	3	MKT501
Supply Chain Management	MKT559	3	MKT501
Brand Management	MKT561	3	MKT501
Media Management	MKT566	3	MKT501
Social Media Marketing	MKT569	3	MKT501
Strategic Sourcing and Procurement	MKT570	3	MKT501

Master of Business Administration (MBA)

List of electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Strategic Sourcing and Negotiation Skills	MKT571	3	MKT501
Markstrat	MKT573	1.5	MKT501
Marketing Analytics	MKT574	3	MKT501, MTS509, MTS510
Retailing	MKT586	3	MKT501
Personal Selling	MKT651	3	MKT501
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	MKT501

Master of Business Administration (MBA) Executive program

The vision of this program is to become the center of excellence for professionals who possess the desire to acquire applied knowledge in Business Administration.

MBA Executive degree offers a unique opportunity for in-service professionals to enrich their knowledge and skills without sacrificing their job commitments. This weekend qualification presents a route to become a Master in Business Administration Executive from this prestigious -institute.

MBA Executive degree is suitable for professionals who aim to acquire a leadership role and want to climb to the highest levels of the corporate ladder, especially under C-suite (CEO, CFO and 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 the MBA Executive program

Intellectual powerhouse:

- Brilliant cohort: Program participants represent more than 100 corporate entities from diverse sectors. They bring updated knowledge and expertise to form an intellectual powerhouse.
- Diversity: Unique blend of participants aged between 25 to 50 years with different academic and professional backgrounds.
- Star performers: Program alumni make their marks in every field, not only at their workplace but also at international conferences.
- 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 icons 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 the MBA Executive website. Over 600 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 who spend their whole weekend at IBA find ample opportunities to interact with other participants.
- Alumni: Upon successful completion, participants will join the prestigious IBA alumni club comprising 10,000 highly successful executives, serving at local/international organizations.
- One window facilitation: MBA Executive service center offers all services at one place; thus, participants 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, the program's duration is reduced to two years. However, depending on their choice they can expand it to 7 years.
- Program format: MBA Executive is a 72 credit hour program covering 14 cores and 8 electives. Additionally, the candidates 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.
- Research project: Participants are required to do a research project individually, from topic approval to defending the report before an IBA panel.
- State-of-the-art facilities: All MBA Executive learning

activities are centered at the IBA main and city campus.

The process:

- Entry criteria - academic: Minimum 16-year education out of which 4 years at HEC recognized University/Institute, with a minimum CGPA of 2.50 on a scale of 4.00 or first division, whichever applicable in terminal degree.
- Mandatory work experience: Preferably 5 years, but not less than 3 years' post qualification experience. Due weightage will be given to international assignments and multi city responsibilities.
- Refresher: Executives returning to university, may need to attune themselves with the changed learning process. For them, a Refresher Course is conducted in every semester.
- Counseling: IBA offers 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.
- Two inductions per year: There are two inductions carried out one is in Spring (January) and Fall (September) of every year. In the Summer Semester participants pick their elective courses which lead to their major.

MBA Executive Project Universe

Diversity is the unique feature of the MBA Executive cohort. The experienced participants from diversified fields and industries bring enormous value to the program. For the mandatory research project, the participants choose an area of their interest and develop a report through a very rigorous process. So far over 600 project reports have been finalized, with more than 100 reports in the process of completion. A broad break-up of the completed projects in selective sectors is presented here:

MBA Executive Projects

Engineering 14%
Finance 20%
Marketing 15%
HRM 15%
Banking 13%
Medical 13%
Others 10%
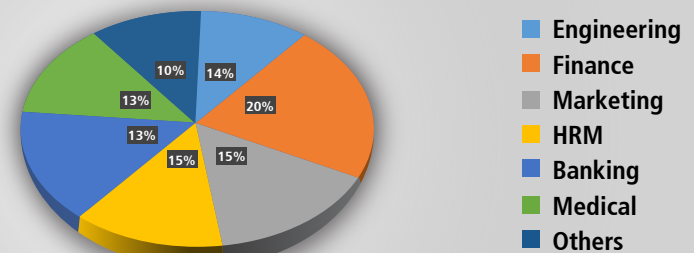
Master of Business Administration (MBA) Executive

MBA Executive Business Project

Under the MBA Executive program, it is mandatory that every participant should do an independent project. As per IBA's grading plan, a research project is equal to two courses of three credit hours each. For participants it is an opportunity to display their talent and practice research and writing skills which they will need throughout their professional life. Although demanding, participants often find the MBA Executive Business Project one of the most rewarding aspects of their degree program.

The project should depict both the technical knowledge that participants have acquired throughout their degree program, as well as the ability to integrate knowledge from different subject areas and applying it analytically to an academic but business-related problem.

The process

1. Developing a proposal needs hard core thinking and wide consultation. Once finalized, the proposal is then submitted to the Program Office on a standard template. The program office reviews the proposal and ascertains its suitability for a six credit hour endeavor.
2. The approval format contains title of report, desired focus, stakeholders, sample size for primary research and research methodology. The participants are expected to carry primary and secondary research and reach to a conclusion.
3. Participants are required to enroll for phase-I of the project and get the support from the Program Office and faculty for their research work. They also need to submit a monthly progress report for the review. At the end of the first semester they meet with the IBA panel and present their work.
4. Participants now enroll themselves for the final phase. During this period, they finalize the report and submit an electronic copy to the Program Office for initial assessment. Once this is done, a final presentation date is assigned to present it before the IBA Panel.
5. Participants present a presentation before the IBA panel for evaluation and grading. If the panel finds the report up to the desired standard, they grade it. If the panel identifies weaknesses, they ask for a revision of the report. The participant will rework in-line with the panel's guidance and

resubmit the same for evaluation. Once approved and graded by the panel, the participant's grades will be incorporated in the grade card.

Timeline

MBA Executive project is equal to two courses and should be completed in two semesters. In the fifth semester, participants will enroll themselves for phase I along with other courses. They complete the task related to the first phase and then in the sixth semester, they seek enrollment for phase II. This will lead to the final part of the project, leading to completion of the coursework.

Comprehensive examination

The comprehensive examination is a partial requirement for award of MBA degree. Every student is required to pass this exam within their enrollment period in a maximum of 3 attempts. This 4-hour examination is held twice a year after every regular semester. It 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 the course requirement. Students who fail to pass the comprehensive examination are eligible only for the individual course certificates.

Dynamic digital resources

High quality learning is imparted with the assistance of Learning Management System (LMS), Enterprise Resource Planning (ERP), dedicated IBA e-mail account and other relevant portals such as Library Information System. MBA Executive also maintains a dynamic website, Facebook page, and bulk SMS and email notifications.

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 aspirations and needs. In order to ensure regular interaction with the corporate leaders, a high level advisory board has been formed.

Master of Business Administration (MBA) Executive

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		**24**	**72**

Core courses

Semester - 1	Course code
Managerial Economics	ECO501
Managerial Communication	MGT503
Quantitative Methods for Decision Making	MTS506

Semester - 2	Course code
Financial Accounting and Information System	ACC506
Legal and Regulatory Environment of Business	LAW501
Marketing Management	MKT501
Elective-I	-

Semester - 3	Course code
Business Finance I	FIN506
Operation and Production Management	MGT510
Advanced and Applied Business Research	MKT505
Elective – II	-

Semester - 4	Course code
Global Economics and Political Environment	ECO517
Business Finance II	FIN507
Organizational Behavior and Leadership	MGT557
Elective – III	-

Master of Business Administration (MBA) Executive

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
Analysis of Financial Statements	ACC561
Business Analytics and 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 and Selection Techniques	HRM530
Leading the Change Process	HRM558
Performance and Compensation Management	HRM562
Training and Development	HRM571
Corporate Governance and Practices in Pakistan	LAW553
Strategic Human Resource Management	MGT512
Project Evaluation and Management	MGT531

Master of Business Administration (MBA) Executive

List of electives (Contd.)

Course title	Course code
Alternate Management	MGT560
Mobile Marketing Strategy	MIS553
Branding and Creative Corporate Communication	MKT506
Advertising	MKT551
Entrepreneurial Management	MKT553
Dynamics of Distribution and Logistics	MKT557
Supply Chain Management	MKT559
Brand Management	MKT561
Digital Marketing	MKT563
Integrated Marketing Management	MKT564
Social Media Marketing	MKT569
Strategic Sourcing and Negotiation Skills	MKT571
Retailing	MKT586
Services Marketing	MKT656
B2B Marketing	MKT658
Global Marketing Management	MKT659

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

Schedule of Semester

Semester	From	To
Fall 2020	September 5, 2020	December 20, 2020
Spring 2021	January 2, 2021	April 25, 2021
Summer 2021	May 8, 2021	August 22, 2021

Master of Science (MS) Computer Science program

Master of Science (MS) Computer Science

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 MS program comprises of 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 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 at par with IEEE/Association for Computing Machinery (ACM) guidelines. This ensures that the tracks do not lose relevance in the wake of a 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. The curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently.

Required courses

The MS program has two basic categories: MS with thesis and MS without thesis. The Master of Science (MS) 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 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. MS students may also take courses at the PhD (600) level for credit.

MS Computer Science has 6 tracks, each with a different set of pre-requisite (foundation) courses:

MS with thesis

Section	Course category	Courses	Credit hours
A	CS electives	8	24
B	Research survey	Equivalent to 1 course	3
C	Research work	Equivalent to 1 course	3
Total		**10**	**30**

MS without thesis

Section	Course category	Courses	Credit hours
A	CS electives	9	27
B	Research survey	Equivalent to 1 course	3
C	Research work	0	0
Total		**10**	**30**

Objectives

The key objectives of the MSCS program are as follows:

- 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.
- Engage students with qualified faculty of 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

Master of Science (MS) Computer Science

List of MS Computer Science courses

Course title	Course code	Credit hours	Pre-requisite	Track
Software Project Management	CSE503	3	-	Track-SE
Pattern Recognition	CSE554	3	-	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
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
Stochastic Modeling with Applications in Engineering	CSE606	3	-	Track-NCC
Bioinformatics Algorithms	CSE607	3	-	Track-TCS
Knowledge Discovery and 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
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	CSE505, CSE652, or CSE568	Track-IS
Social Network Analysis	CSE670	3	-	Track-IS
Machine Learning	CSE671	3	-	Track-IS
Deep Learning for IOT	CSE673	3	-	Track-IS

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

Course title	Course code	Credit hours	Pre-requisite	Track
Text Analytics	CSE674	3	Instructor	Track-IS
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
Computer Communication Network and Simulation	ICT651	3	CSE248, MTS102	Track-NCC
Computer Communication Network and 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
Software Defined Networking	ICT675	3	Instructor	Track-NCC
Operations And Technology Management	MIS502	3	-	Track-IM
Enterprise Integration	MIS503	3	-	Track-IM
Information Industry Structure And Competitive Strategy	MIS513	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
Scientific Computing, and Scientific Software Development	MTS551	3	-	Track-TCS
Advanced Theoretical Concepts in IS	MIS653	3	-	Track-IM

Master of Science (MS) Economics program

Master of Science (MS) Economics

The MS 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 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 years of education out of which the last 4 years of education should be from an HEC recognized university/institute, with a minimum CGPA of 2.5 out of 4.0 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 on three subjects: English, Mathematics and Economics.

Candidates who have a minimum score of 650 in the quantitative section of GRE (International) or a score of 160 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.

Duration

2 years
Maximum time allowed:
- 4 years for full time students
- 7 years for part time students

Class timings

MS Economics is offered for full-time students as well as for part-time students. Classes in MS Economics are scheduled in evenings (6:00-9:00 pm) on weekdays and any time (between 9:00 am - 9:00 pm) on Saturdays.

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 MS (Economics)
Course requirements are given as:
MS courses: 36 credit hours (12 courses)
MS thesis: 6 credit hours
For further details, please visit: economics.iba.edu.pk

Required courses

Course category	Courses	Credit hours
Foundation courses*	4	12
Core courses	6	18
Elective courses	2	6
Thesis	1	6
Total	**13**	**42**

Master of Science (MS) Economics

Foundation courses*	Course code	Credit hours	Pre-requisite
Microeconomic Theory I	ECO531	3	-
Macroeconomic Theory I	ECO532	3	-
Mathematics for Economists	ECO533	3	-
Mathematical Statistics and Linear Algebra	MTS536	3	-
Core and elective courses	**Course code**	**Credit hours**	**Pre-requisite**
Development Economics	ECO534	3	ECO531
Econometrics I	ECO537	3	MTS536
Econometrics II	ECO538	3	ECO537
Research Methodology	ECO591	3	ECO537
Microeconomic Theory II	ECO631	3	ECO531
Macroeconomic Theory II	ECO632	3	ECO532
Elective I	-	3	-
Elective II	-	3	-
Thesis	**Course code**	**Credit hours**	**Pre-requisite**
MS thesis**	ECO697	6	-

*BS Economics and BS Economics and Mathematics graduates from IBA are exempted from the 4 foundation courses. Thus, they will be required to complete 30 credit hours (8 courses of 24 credit hours and a thesis for 6 credit hours). For other candidates, the interview panel will decide which foundation courses are exempted.

**Students have option to take 1 additional elective course and an MS research project (ECO698) in place of MS thesis. The grade on MS thesis and MS research project would be pass/fail and will not be counted in the CGPA.

Master of Science (MS) Economics

S.No.	Students exempted from four foundation courses — Semester 1 - Fall	Course code	S.No.	Other Students — Semester 1 - Fall	Course code
1	Development Economics	ECO534	1	Microeconomic Theory I	ECO531
2	Research Methodology	ECO591	2	Macroeconomic Theory I	ECO532
3	Macroeconomic Theory II	ECO632	3	Mathematics for Economists	ECO533
4	Elective I	-	4	Mathematical Statistics and Linear Algebra	MTS536
S.No.	**Semester 2 - Spring**	**Course code**	**S.No.**	**Semester 2 - Spring**	**Course code**
1	Econometrics I	ECO537	1	Econometrics I	ECO537
2	Microeconomic Theory II	ECO631	2	Microeconomic Theory II	ECO631
3	Elective II	-	3	Elective I	
	-		4	Elective II	-
S.No.	**Semester 3 - Fall**	**Course code**	**S.No.**	**Semester 3 - Fall**	**Course code**
1	Econometrics II	ECO538	1	Development Economics	ECO534
2	MS Thesis	ECO697	2	Econometrics II	ECO538
			3	Research Methodology	ECO591
			4	Macroeconomic Theory II	ECO632
			S.No.	**Semester 4 - Spring**	**Course code**
			1	MS Thesis	ECO697

BS Economics and BS Economics and Mathematics graduates from IBA are exempted from the 4 foundation courses. Thus, they will be required to complete 30 credit hours (8 courses of 24 credit hours and a thesis of 6 credit hours). For other candidates, the interview panel will decide which foundation courses are exempted.

Courses offered in Fall and Spring semesters

Courses offered in Fall semester	Course code	Courses Offered in Spring semester	Course code
Microeconomic Theory I	ECO531	Econometrics I	ECO537
Macroeconomic Theory I	ECO532	Microeconomic Theory II	ECO631
Mathematics for Economists	ECO533	Two elective courses	
Development Economics	ECO534		
Mathematical Statistics and Linear Algebra	MTS536		
Econometrics II	ECO538		
Research Methodology	ECO591		
Macroeconomic Theory II	ECO632		
One elective course	-		

Master of Science (MS) Economics

List of electives

Course title	Course code	Credit hours	Pre-requisite
Combinatorial Optimization	CSE654	3	
International Trade	ECO539	3	ECO531
Issues in Pakistan Economy	ECO544	3	ECO532
Climate Change Economics	ECO551	3	ECO531
Behavioural Economics	ECO554	3	ECO531
Economic Forecasting	ECO555	3	MTS536
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/ECO501
Environmental and Resource Economics	ECO561	3	ECO531
Financial Economics	ECO562	3	ECO531
Health Economics	ECO563	3	ECO531
History of Economic Thought	ECO564	3	ECO532
Monetary Economics	ECO566	3	ECO532
Public Economics	ECO567	3	ECO531
Time Series Modelling	ECO570	3	MTS5366
Industrial Economics	ECO571	3	ECO531
Game theory and Competitive Strategy	ECO573	3	ECO531/ECO501
Water Economics and Policy	ECO574	3	ECO531/ECO501
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/ECO501
Social Impact Evaluation	ECO577	3	ECO531/ECO501
Behavioural and Experimental Economics	ECO578	3	ECO531
Labour Economics	ECO654	3	ECO531

Master of Science (MS)
Islamic Banking and Finance program

The MS Islamic Banking and Finance (MS IBF) is a 42 credit hours program to be completed in a minimum duration of 1.5-year and a maximum duration of 4 years as approved by the HEC. It is offered for fresh graduates from business and other disciplines, experienced practitioners as well as Shariah scholars. 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. The MS IBF program is open to both full time and working students.

Requirements

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

Course category	Credit hours	Courses
Core courses	27	9
Electives	9	3
MS thesis	6	-

Semester-wise sequence of courses

A sequence of the MS IBF courses is as follows:

	Semester - 1 (fall)	Course code	Credit hours	Pre-requisite
1	Business Economics	ECO509	3	-
2	Research Methodology in Economics and Finance	ECO536	3	-
3	Islamic Jurisprudence	FIN508	3	-
4	Financial Management	FIN510	3	-
	Semester - 2 (spring)	**Course code**	**Credit hours**	**Pre-requisite**
1	Islamic Economics	ECO510	3	-
2	Corporate Finance	FIN513	3	FIN510
3	Islamic Finance	FIN559	3	FIN508
4	Elective I	-	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	Accounting and Auditing for Islamic Finance	ACC504	3	FIN508
2	Islamic Capital Markets	FIN511	3	-
3	Elective II	-	3	-
4	Elective III	-	3	-
	Semester - 4 (spring)	**Course code**	**Credit hours**	**Pre-requisite**
1	Research thesis	-	6	ECO536

Important note

All MS IBF students joining in 2020 are required to take and pass the 9 core courses mentioned above, as well as the 6-credit hours research thesis in order to graduate.

- *The student will be given an option to take additional coursework, instead of Master's thesis*
- *The following options are valid for students of the MS IBF program:*
  - *Complete 6 Credit Hours of Master's thesis*

    OR

  - *Complete 1 additional elective course and an MS research project in place of MS thesis. The grade on MS thesis and MS research project would be pass/fail and will not be counted in the CGPA*
- *Students have to take a total of 3 electives to complete the requirements.*
- *Students propose thesis topic for their dissertation after the completion of the course work. Students are expected to finish their thesis in the final semester.*
- *MS IBF students may take up to 2 Finance related electives offered for other degree programs at IBA.*

Master of Science (MS) Islamic Banking and Finance

Admission criteria and eligibility

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

Candidates apply to IBA graduate programs online through the IBA website. To be eligible to apply for MS Islamic Banking and Finance program, 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 4.00 or 60% marks in their last degree. All equivalency claims are evaluated by the HEC. Experience is not a mandatory requirement for the MS 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. Candidates who clear the test are called for interview and group discussion. Only selected candidates after clearing the interview and GD are awarded admission.

The MS IBF program opens for admissions once a year, for fall (August) every academic year. Admissions commence online through the IBA website, between May to August, with classes commencing at the end of August.

Faysal Bank Academic Centre

Master of Science (MS) Islamic Banking and Finance

Electives

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

S.No.	Course title	Course code	Credit hours	Pre-requisite
1	Islamic Insurance (Takaful)	FIN512	3	-
2	Investment Banking and Structuring Financial Requirements	FIN550	3	-
3	International Finance	FIN551	3	FIN510
4	Islamic Law of Contracts	FIN572	3	-
5	Islamic Treasury Operations	FIN651	3	-
6	Islamic Partnership Corporate and Securities Law	-	3	-
7	Islamic Wealth Planning and Management	-	3	-
8	Islamic Portfolio Management	-	3	-
9	Financial Services Marketing	-	3	-
10	Shariah Issues in Islamic Finance	-	3	-
11	Commercial Law and Legal Documentation for Islamic Financial Services	-	3	-
12	Islamic Entrepreneurship	-	3	-
13	Advanced Econometrics	-	3	FIN514
14	Ethics and Corporate Governance	-	3	-
15	Risk Management for IFIs	-	3	-

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

Master of Science (MS) Islamic Banking and Finance

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 inculcate in future business leaders a spirit of social responsibility, and principles of ethics, governance, compliance and responsibility as per the teachings of Islam.
- To help develop leaders of the Islamic banking and finance industry of tomorrow to have in-depth knowledge of both finance and Shariah.
- To promote the objective of IBA as an institution that promotes thought leadership and uses knowledge and research to find solutions for the industry.

MS IBF 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.
- 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 in terms of awareness,

innovative 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

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 trainings offered at the IBA.

Master of Science (MS) Journalism program

Master of Science (MS) Journalism

The Master of Science (MS) 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 cutting-edge 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.

Note: This program is not being offered in the Fall 2020 semester.

Mission

The MS Journalism 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 50% marks in last degree
- Applicants with prior journalism experience encouraged to apply

Duration

1.5 years
Maximum time allowed is 4 years

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 the aptitude test and interview. The aptitude test is a written test. The candidates who pass the aptitude test will qualify for the interview.

Master of Science (MS) Journalism

Semester-wise sequence of courses

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

Semester - 2	Credit hours
CEJ Newsroom II	3
Current Affairs TV Lab	3
International Affairs	3
Multimedia Journalism	3
Specialized Journalism I	3

Semester - 3	Credit hours
CEJ Newsroom (Summer)	3
Specialized Journalism II	3

Semester - 4	Credit hours
Capstone Project	3
Internship	0

**Master of Science (MS)
Management program**

The MS Management program 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 specialization areas of Strategy and 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, 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 2.50 out of 4.00

or

- 60% marks in their last degree. All equivalency claims shall be evaluated by the HEC. Experience is not mandatory for this program.

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 based on the applicant's performance in the aptitude test and interview. The aptitude test is a written test comprising of three sections: English, Mathematics and essay writing.

Candidates who have a minimum 650 score in the quantitative section of GRE (International) or 160 score in the 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.

Required courses

MS with thesis

S.No.	Course category	Courses	Credit hours	Total
A	Program core	6	3	18
B	Area core/electives	4	3	12 per specialization
C	Foundation courses	7	3	Depending on student's requirement
D	Thesis	1	6	6
E	Project	0	0	0
	Total	**18**		**Total credit 36 (minimum)**

MS with project

S.No.	Course category	Courses	Credit hours	Total
A	Program core	6	3	18
B	Area core/electives	5	3	15 per specialization
C	Foundation courses	7	3	Depending on student's requirement
D	Thesis	0	0	0
E	Project	1	3	3
	Total	**19**		**Total credit 36 (minimum)**

Duration

1.5 - 4 years (full time/part time)

Timings

Morning only

Teaching/research assistant positions

Subject to availability, a limited number of teaching/research assistant positions are offered to MS students. These positions are offered on a competitive basis. Teaching/research assistant positions are offered to full-time students whose cumulative GPA is at least 3.00 and who are selected for available openings. Teaching/research assistants cannot be simultaneously employed elsewhere.

A. Core courses

S.No	Course title	Course code	Credit hours
1	Foundations of Management and Organization	MGT511	3
2	Philosophy of Management and Organization	MGT514	3
3	Research and 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

Master of Science (MS) Management

Graduation requirements

Minimum requirements: (Subject to approval of HEC)

Minimum degree requirement is 36 credit hours. These include: 6 core courses + 2 area core + 2 electives = 30 credit hours + thesis/project = 6 credit hours

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

B. Area core courses

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

C. Elective courses

S.No.	Course title	Course code	Credit hours
1	Business Analytics	BUS501	3
2	Research in Organizational Behavior	MGT572	3
3	Alternative Management and Organization	MGT573	3
4	Modeling and Simulation	MGT574	3
5	Quality Management	MGT575	3
6	Pedagogy for Management	MGT576	3
7	Managing Social Entrepreneurship	MGT577	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 MS program.

D. Foundation courses

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

Master of Science (MS) Mathematics program
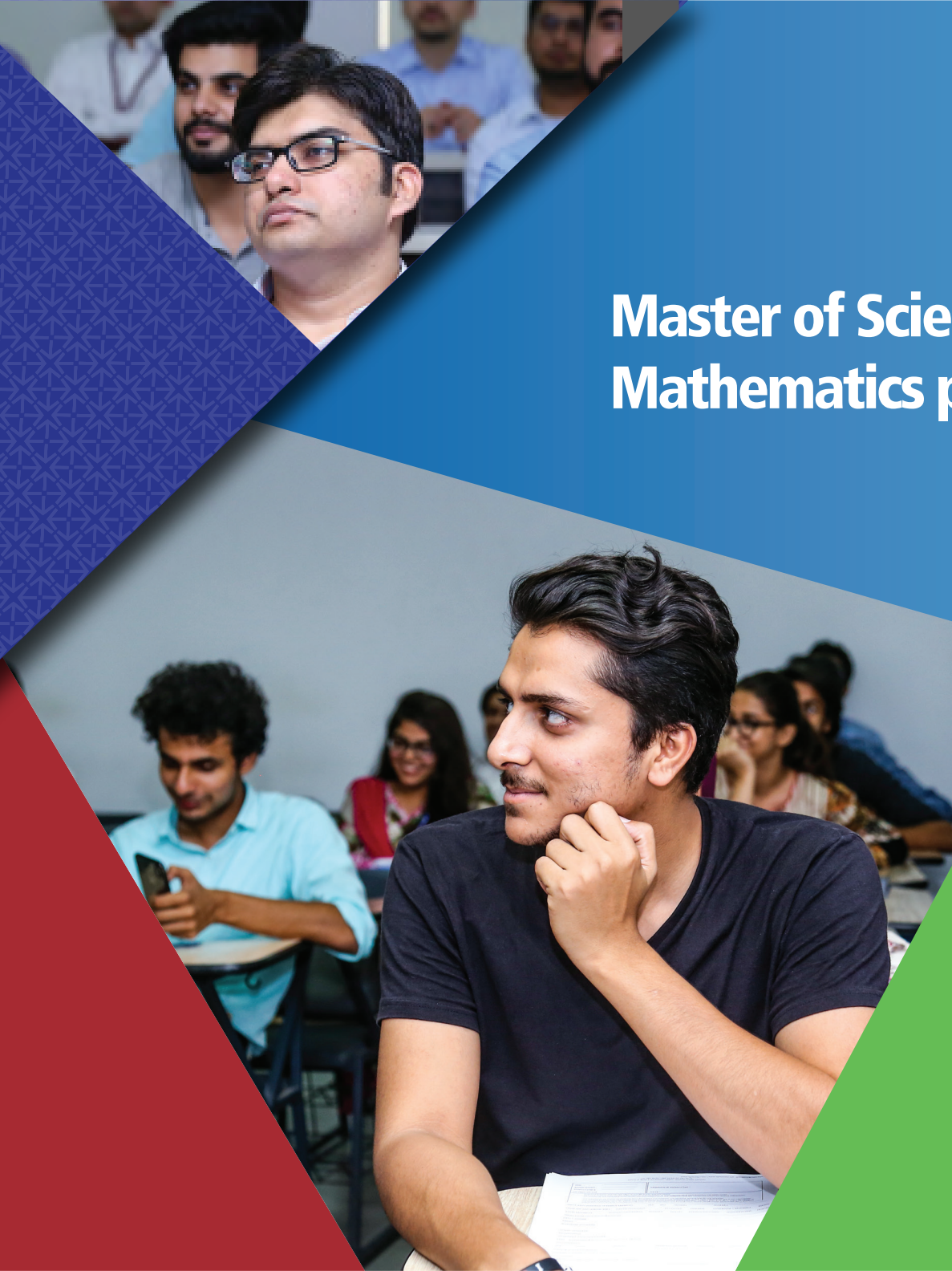
Master of Science (MS) Mathematics

MS 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 MS in Mathematics a candidate should:

a. Possess a BS/MSc (16-year education) degree from a recognized university in Mathematics or BE (any discipline) or BS/MSc (16-year education) degree from a recognized university in Physics/Statistics/Computer Science**

b. Have passed the last examination with at least 60% marks (or CGPA 2.50)

**The successful students will be conditionally admitted to the program and have to pass the prescribed deficiency courses with the CGPA recommended by the Departmental Board of Studies (BoS).

Admission process

All eligible candidates would be required to:

a. Appear in and qualify an aptitude test comprising 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).

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

Duration

MS: 2 - 4 years

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 a 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. Part time MS-Mathematics program has a maximum duration of 7 years.

Requirements for the award of MS Mathematics degree

a. Complete 30 credit hours that include 24 credit hours (8 courses) of course work and 6 credit hours of thesis.

b. Six courses (mentioned in the list) at 500 level are core courses that every student must do.

c. 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 PhD Mathematics course as an elective by taking approval from the BoS.

d. The eligibility for doing an MS thesis is a CGPA of 3.00.

e. Students who do not qualify the eligibility criteria for doing an MS thesis will be required to do two additional courses (6 credit hours in addition) and graduate with an MS degree only. Such MS graduates would lose the eligibility of doing a PhD in future from IBA.

f. Public defense of the MS thesis and completion of the degree will be governed as per IBA's policy.

For further details, please visit:

https://www.mathematics.iba.edu.pk

Required courses

Course category	MS with thesis		MS 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**

Master of Science (MS) Mathematics

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	-
Elective I	MTS-	3	-

Semester - 2	Course code	Credit hours	Pre-requisite
Probability and Mathematical Statistics	MTS508	3	-
Topics in Number Theory	MTS562	3	-
Topology and Geometry	MTS575	3	MTS341
Elective II	MTS-	3	-

Semester - 3 and 4	Course code	Credit hours	Pre-requisite
MS Thesis (with literature survey)	MTS699	6	-

Master of Science (MS) Mathematics

List of electives

Course title	Course code	Credit hours	Pre-requisite
Non Linear Dynamics and chaos	MTS507	3	MTS203, MTS 241
Measure Theory and 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
Computational Algebraic Geometry	MTS541	3	MTS513
Applicable Modern Geometry I	MTS545	3	MTS511, MTS513, MTS516
Algebraic Geometry I	MTS549	3	MTS514
Scientific Computing and 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 and Knowledge Discovery	MTS569	3	-
Statistical Machine Learning	MTS573	3	-
Galois Theory	MTS577	3	MTS513
Smooth Manifolds	MTS581	3	MTS510

The departmental Board of Studies 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 MS Mathematics elective.

Master of Science (MS)
Data Science Program New

Master of Science (MS) Data Science

The field of Data Science lies at the intersection of Machine Learning, Statistics and Big Data Analytics. Offered by the Faculty of Computer Science (FCS), the MS in Data Science program prepares students to extract valuable insight from data. The program is designed for students who want to begin or advance their careers in the field of Data Science. It provides a strong base in subjects including: Statistical Modeling, Machine Learning, Management of Massive Data Sets, Data Visualization, Software Engineering and Data Ethics. The program targets both CS and STEM (Science, Technology, Engineering and Mathematics) students and prepares them to apply the knowledge of Data Science to a wide range of domains. Non-CS/SE/IT students are required to take foundation level courses in Algorithms, Data Management and Application Development. These courses would prepare them to take the core and more advanced level Data Science courses along with students having a background in CS, IT or SE. The core courses strengthen students understanding of Mathematics behind Machine Learning, Statistical Modeling and the theoretical and practical know-how of dealing with Big Data. Students can take a range of electives including, but not limited, to Deep Learning, Text Analytics, Computer Vision, Business Intelligence, Probabilistic Reasoning, Information Retrieval and Social Network Analysis. 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. The curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently.

Objectives

The key objectives of the MS DS program are as follows:

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

Required courses

The MS DS program has two basic categories: MS with thesis and MS without thesis. For those students who opt for thesis, 24 credit hours of course work and 6 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 project is required. The project/thesis must be taken after students have completed 18 credits and must be supervised by an approved faculty member.

The program is of 4 semesters with a total of 30 credit hours. The following structure will be followed:

Section	Course category	Courses	Credit hours
A	Foundation courses	3	9
B	Core courses	3	9
C	Electives	5	15
D	Thesis	1	6
	Total	12	39

Foundation courses (for students with non-CS background)	Course Code	Credit hours	Pre-requisite
Introduction to Algorithms	CSF501	3	-
Database Management	CSF505	3	-
Application Development	CSF510	3	-
Core courses			
Mathematics for Data Science	CSE601	3	Clear all foundation courses/ CS-background
Machine Learning - I (Supervised Learning)	CSE602	3	Clear all foundation courses/ CS-background
Big Data Analytics	CSE668	3	Clear all foundation courses/ CS-background
MS research project or Thesis	*	3	Completion of 21 credit hours

*Course codes will be allotted soon

Master of Science (MS) Data Science

Electives (More courses may be added to this list)	Courses Code	Credit hours	Pre-requisite
Business Intelligence	CSE459	3	Math for DS, ML-1/ Instructor Consent
Probabilistic Reasoning	CSE655	3	Math for DS, ML-1/ Instructor Consent
Computational Intelligence	CSE659	3	Math for DS, ML-1/ Instructor Consent
Computer Vision	CSE660	3	Math for DS, ML-1/ Instructor Consent
Information Retrieval	CSE665	3	Math for DS, ML-1/ Instructor Consent
Deep Learning	CSE669	3	Math for DS, ML-1/ Instructor Consent
Social Network Analysis	CSE670	3	Math for DS, ML-1/ Instructor Consent
Deep Learning for IOT	CSE673	3	Math for DS, ML-1/ Instructor Consent
Text Analytics	CSE674	3	Math for DS, ML-1/ Instructor Consent
Machine Learning-II (Unsupervised Learning)	*	3	Math for DS, ML-1/ Instructor Consent

*Course codes will be allotted soon

Note:

- BS (CS/SE/IT) graduates are exempted from the foundation courses. For other candidates, the interview panel will decide which foundation courses are they exempted from.
- Students have the option to take 1 additional course and an MS research project in place of MS thesis.

The semester-wise breakup along with credit hours is provided as follows:

Semester 0 (Foundation courses)	Credit hours	Semester 1	Credit hours
Introduction to Algorithms	3	Mathematics for Data Science	3
Database Management	3	Machine Learning - I (Supervised Learning)	3
Application Development	3	Big Data Analytics	3

Semester 2	Credit hours	Semester 3	Credit hours
Elective 1	3	Elective 4	3
Elective 2	3	Elective 5	3
Elective 3	3	Elective 6 or Thesis-I	3

Semester 4	Credit hours
Masters Project or Thesis-II	3
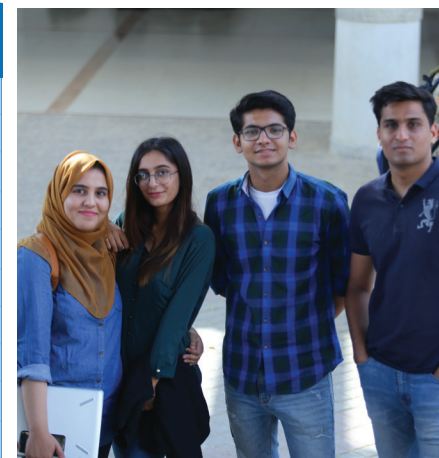
Master of Science (MS)
Finance program New

Master of Science (MS) Finance

The MS Finance is a postgraduate program designed to provide a solid theoretical, as well as working knowledge of finance. This program is designed to prepare graduates for challenges in the global financial system by imparting comprehensive knowledge of finance and its multidisciplinary aspects. The program offers students, a unique opportunity to gain a comprehensive foundation and subsequent depth in the field. Students will gain an in-depth knowledge with core courses in finance, before they can streamline the degree to their choice of specialization with a range of optional courses, including a number of specifically designed applied courses. This program has two tracks; students who wish to take the corporate route will opt for a real-life project, while students with an academic route in mind will choose a thesis alongside their course work. Candidates need to obtain a total of 36 credit hours for the MS Finance program.

Objectives

Key objectives of MS Finance program are as follows:

- To help students develop qualitative and quantitative analytical abilities that lead to effective decision making in the complex world of financial management.
- Exhibit in-depth understanding of key concepts of finance and their applications in global and local financial systems.
- Make well-informed decisions in various business and financial situations that lead to ethically sound and profitable results.
- Apply the knowledge they have gained to understand and resolve real-world business problems.
- Demonstrate advanced skills to predict and manage risk for businesses by collecting, interpreting and critically analyzing the financial data.

Duration

Minimum duration: 1.5 years
Maximum duration: 4 years

Program structure and course requirements

The course requirements are as follows:

S.No.	Course category	Courses	Credit hours
A	Core courses	7	18
B	Elective courses	4	12
C	Thesis/project*	1	6
	Total	12	36

*Project is for 3 credit hours. Students opting for a project need to take an additional course in order to fulfill the MS degree requirements. Moreover, such students cannot use this MS degree to apply for a PhD program, as per HEC policy.

Semester-wise sequence of courses

	Orientation Program	Course code	Credit hours	Pre-requisite
1	Fundamentals of Finance	-	-	-
2	Statistics and Mathematics for Finance	-	-	-

	Semester - 1	Course code	Credit hours	Pre-requisite
1	Corporate Finance	-	-	-
2	Financial Econometrics	-	-	-
3	Investments	-	-	-
4	Financial Analysis Softwares 1: Excel and VBA	-	-	-
5	Ethics and professional standards in Finance	-	-	-

	Semester - 2	Course code	Credit hours	Pre-requisite
1	Seminars in Finance	-	-	-
2	Financial Analysis Softwares 2: Stata and R	-	-	-
3	Area elective 1	-	-	-
4	Area elective 2	-	-	-
5	General elective 1	-	-	-

	Semester - 3	Course code	Credit hours	Pre-requisite
1	General elective 2	-	-	-
2	Thesis/project	-	-	-

Master of Science (MS) Finance

Core Courses

S.No.	Course title	Course code	Credit hours	Pre-requisite
1	Ethics and professional standards in Finance	-	3	-
2	Corporate Finance	-	3	-
3	Investments	-	3	-
4	Financial Econometrics	-	3	-
5	Seminars in Finance	-	3	-
6	Financial Analysis Softwares 1: Excel and VBA	-	1.5	-
7	Financial Analysis Softwares 2: Stata and R	-	1.5	-

Electives
Corporate Finance

	Course title	Course code	Credit hours	Pre-requisite
1	Mergers Buyouts and Acquisitions	-	1.5	-
2	Project Finance and Public Private Infrastructure	-	1.5	-
3	International Finance	-	3	-
4	Applied Security Analysis and Financial Modelling	-	3	-
5	Macro Finance	-	3	-

Market Finance

	Course title	Course code	Credit hours	Pre-requisite
1	Empirical Asset Pricing	-	3	-
2	Fixed Income Securities	-	3	-
3	Derivatives and Risk Hedging	-	3	-
4	Mathematical Finance	-	3	-
5	Treasury and Fund Management	-	3	-

Master of Science (MS) Finance

General Electives

S.No.		Course code	Credit hours	Pre-requisite
1	Global Financial Markets	-	3	-
2	Fintech and Financial Innovation	-	3	-
3	Behavioral Finance	-	3	-
4	Islamic Banking	-	3	-
5	Risk Management	-	3	-
6	Advanced Econometrics	-	3	-
7	Python For Finance	-	3	-

Student Enrollment Statistics

(Spring 2020)

Undergraduate programs (3042)		Graduate programs (1049)		Doctoral programs (62)		PGD programs (62)		Total
Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**	
1834	1208	800	249	37	25	41	21	**4215**
1		2		3		4		
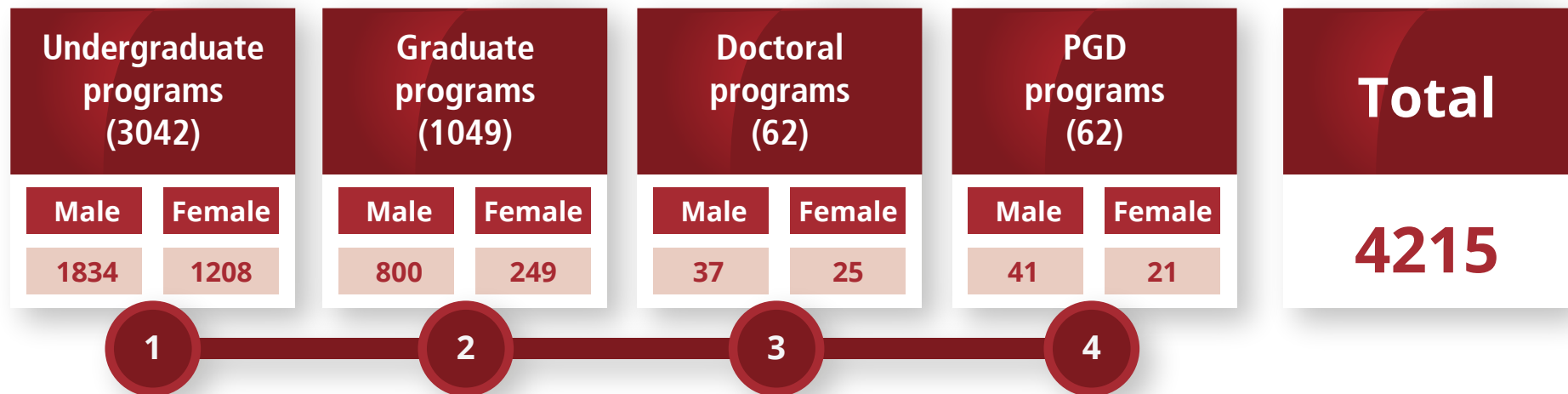
Total Male Students: 2712 | **Total Female Students:1503**

Male Students: 64.34% | **Female Students: 35.66%**

- **PhD Computer Science**
- **PhD Economics**
- **PhD Mathematics**

PhD Computer Science program

PhD in Computer Science aims to carry out cutting edge research in the field of Computer Science, gaining recognition for it and maintaining social and corporate networks in the field of study. The IBA Faculty of Computer Science (FCS) offers PhD 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 and Human Computer Interaction.

The FCS PhD program aims at encouraging graduate students who can make a significant contribution to their field through original research. By being a part of this program, students will get an opportunity to establish linkages with international researchers, publish scholarly articles and attend reputed conferences worldwide in the selected discipline. Students' quantitative and qualitative research capabilities will be polished and interdisciplinary research along with interaction with the local industry will always be encouraged.

The FCS PhD program motivates independence and originality of thought in the research process. 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 comprises of an attractive monthly stipend and full tuition fee waiver.

Research labs at FCS

FCS 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 provides 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, the 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 more information, please visit:
https://ailab.iba.edu.pk/index.html

Telecommunications research lab (TRL)

Telecommunications Research Lab (TRL) at the FCS focuses on research in the areas of wireless and mobile networks; specific topics under current research include the following: queuing modelling, and analysis for energy, delay and other quality of service parameters in wireless sensor networks (WSN); backhauling technologies in mobile networks; implementation of WSN in field for monitoring, irrigation; energy monitoring and controlling system/smart asset management using WSN and hybrid networks; and traffic congestion tracking system.

For more information, 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 undertake quality research in the area of web information systems, with a special focus on interactive learning applications including information retrieval, social media, knowledge management, digital libraries, electronic commerce and semantic web.

For more details, please visit: http://webscience.iba.edu.pk

	Program	Courses	Credit hours
A	Course Work [1,2]	6	18
B	Dissertation	-	12

Rules:
1. It is recommended that the course work should be completed during the first 3 semesters after admission.
2. Students can take a maximum of 4 courses (12 credit hours) in each semester.

PhD Computer Science

Courses*

Course title	Course code	Credit hours	Pre-requisite
Software Project Management	CSE503	3	-
Data Mining	CSE505	3	CSE307
Pattern Recognition	CSE554	3	-
Image Processing For Recognition	CSE556	3	-
Mobile Computing	CSE558	3	-
Image Processing	CSE559	3	-
Software Systems Engineering	CSE564	3	CSE141, CSE142
Requirements Engineering	CSE567	3	CSE312
Natural Language Processing	CSE574	3	-
Usability Engineering	CSE576	3	-
Stochastic Modeling With Applications In Engineering	CSE606	3	-
Bioinformatics Algorithms	CSE607	3	-
Combinatorial Optimization	CSE645	3	-
Knowledge Discovery and Data Mining	CSE652	3	-
Probabilistic Reasoning	CSE655	3	-
Computational Intelligence	CSE659	3	-
Semantic Web	CSE661	3	-
Information Retrieval and Web Search-I	CSE665	3	-
Information Retrieval and Web Search-II	CSE666	3	CSE665
Big Data Analytics	CSE668	3	CSE652
Deep Learning	CSE669	3	-
Social Network Analysis	CSE670	3	-
Machine Learning	CSE671	3	-
Advanced Web Technologies	ICT512	3	CSE302
Distributed Systems	ICT555	3	CSE341
Computer Communication Network and Simulation	ICT651	3	CSE248, MTS102
Computer Communication Network and Simulation II	ICT654	3	ICT651
Wireless Sensor Networks	ICT659	3	CSE141, CSE248, MTS102
Advanced Topics In Wireless Sensor Networks	ICT660	3	ICT659
WSN Protocols And Applications	ICT662	3	CSE248
Operations and Technology Management	MIS502	3	-
Enterprise Integration	MIS503	3	-
Advanced Data Warehousing	MIS552	3	-
Theoretical Foundations of IS	MIS651	3	-
Advanced Research Topics In IS	MIS652	3	-
Advanced Theoretical Concepts in IS	MIS653	3	MIS651

*It is a partial list of courses

PhD Economics program

PhD (Economics)

PhD 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 in public and private sectors. PhD Economics emphasizes on Applied Economics and caters to the growing market for Economic analysts. The curriculum of this program has been designed to meet international standards and the students will find the program to be intellectually challenging and personally rewarding. 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

MS/MPhil or equivalent degree in Economics or related discipline from HEC recognized universities/institutes with minimum CGPA of 3 out of 4 or 60% marks in the last degree. All equivalency claims shall be evaluated by HEC. Experience is not mandatory for admission to the PhD 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 applicants in the admission test and interview.
There are three options for admission test:

a. International GRE subject test (60% Percentile Score)
b. HEC required GAT subject test (60% marks required for eligibility)
c. The IBA's test. This admission test is a written test on three subjects: English, Mathematics and Economics. All those admitted with IBA test will have to clear the international GRE or HEC required GAT subject test within one year of their study at IBA.

The candidates who pass the admission test qualify for the interview. Candidates are required to submit a short research proposal at the time of interview as well along with two recommendation letters.

Comprehensive examinations

A comprehensive examination will consist of microeconomics and macroeconomics. In case of failing in one part of the examination, the candidate will have to give the complete comprehensive examination again. Students will be allowed two attempts to qualify for the comprehensive examination. Students are, however, expected to pass it within two years from the commencement of the PhD program.

Oral defense of dissertation proposal

At the end of the 2nd year, students are expected to present and defend their PhD dissertation 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

PhD program is a fulltime morning program. IBA will offer Teaching/research assistant positions to PhD students along with a tuition fee waiver. Teaching/research assistants must not work elsewhere. A PhD student has to spend at least the first two years of the degree at the IBA as a full-time student. The provision of stipend will be conditional on satisfactory performance of students.

Major areas of specialization (electives)

a. Macroeconomic modeling and policy analysis
b. Labor Economics
c. Development Economics
d. Environmental Economics
e. Climate Change Economics
f. Financial Economics
g. Industrial Organization
h. Monetary Economics
i. Public Finance
j. Behavioral and Experimental Economics
k. International Finance
l. International Trade

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

Required courses

Course category	Courses	Credit hours
Core courses	4	16
Elective courses	2	8
Dissertation	1	24
Total	7	48

PhD (Economics)

List of core and elective courses

Course title	Course code	Credit hours	Pre-requisite
Topics in Microeconomic Theory	ECO644	4	-
Topics in Macroeconomic Theory	ECO645	4	-
Econometric Analysis	ECO646	4	-
Topics in Research Methods	ECO650	4	-
Elective I	-	4	-
Elective II	-	4	-

Dissertation			
Course title	Course code	Credit hours	Pre-requisite
PhD Dissertation	ECO799	24	-

PhD Mathematics program

PhD (Mathematics)

PhD in Mathematics aims to polish the individual's skills of using Mathematics as a compact language to describe problems in any area that requires them to do so. This enables them to theoretically expand the frontiers to create new and formerly unknown avenues in this discipline.

Eligibility

A candidate may embark on his PhD Mathematics program at the 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 aptitude test or scores 70 percentile in GRE International Subjective (Mathematics).
- Goes through a successful interview/presentation at the IBA.

Teaching/research assistant positions

PhD program is a full time program. The IBA will offer teaching/research assistant positions to PhD students along with a tuition fee waiver. Teaching/research assistants must not work elsewhere.

Duration

PhD 4 years (maximum 8 years)

Other rules

- A PhD student has to spend at least the first two years in the IBA as a full-time PhD scholar.
- PhD 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 BoS.

Courses

The departmental BoS is authorized to introduce any new courses added to the followed list as and when required:

On successful completion of the course work with CGPA of at least 3.00, the candidate qualifies to work on the PhD dissertation. Failing to achieve this qualification, the candidate would be allowed to improve his/her CGPA by doing two of their courses again. In view of the candidate's request and recommendation of the BoS, the candidate may do any other two courses to bring their CGPA to the required level.

Comprehensive test

The comprehensive examination would be taken within 6 months of the completion of course work of the PhD student.

Disqualification

If the candidate fails to qualify for work on PhD dissertation, they may be awarded an MS degree on the recommendation of the supervisor/BoS.

Defense of PhD thesis proposal and thesis

PhD thesis proposal would have to be defended in front of two national examiners (selected and approved by BOS and BASR). Public defense of the PhD thesis and completion of the degree will commence after the thesis has been examined by two foreign external examiners (will be selected as per the HEC policy).
For further details visit: https://www.mathematics.iba.edu.pk

PhD (Mathematics)

List of courses

Course title	Course code	Credit hours	Pre-requisite
Numerical Treatment of P.D.E	MTS621	3	MTS515
Financial Mathematics	MTS625	3	-
Computational Astronomy	MTS637	3	MTS537
Applicable Modern Geometry II	MTS645	3	MTS545
Algebraic Geometry II	MTS649	3	MTS549
Algebraic Cycles II	MTS653	3	MTS553
Algebraic Curves	MTS655	3	-
Iterative Methods for Sparse Linear Systems	MTS656	3	MTS366
Poly logarithms	MTS657	3	MTS557
Timescale calculus	MTS658	3	-
Computational Fluid Dynamics	MTS659	3	-
Multivariate Statistical Analysis	MTS661	3	MTS525
Analysis on Manifolds	MTS662	3	-
Plane Curves and Singularities	MTS664	3	-
Mathematical Physics II	MTS665	3	MTS565
Advanced Topology	MTS666	3	MTS451
General Relativity and Cosmology	MTS667	3	-
Scientific Programming	MTS668	3	-
Convex Analysis	MTS669	3	-
Algebraic Number Theory	MTS670	3	-
Monomial Algebra	MTS671	3	MTS514
Topics in Homological Algebra	MTS672	3	MTS539
Computational Continuum Mechanics	MTS673	3	-
Algebraic Topology	MTS674	3	-
Category Theory	MTS606	3	-
Quantum Mechanics I	MTS675	3	-
Special Relativity	MTS676	3	-
De Rham Cohomology	MTS677	3	MTS 242, MTS 203
Topics of Special Interest I	MTS691	3	-
Topics of Special Interest II	MTS692	3	-

- Department of Accounting and Law
- Department of Computer Science
- Department of Economics
- Department of Finance
- Department of Management
- Department of Marketing
- Department of Mathematical Sciences
- Department of Social Sciences and Liberal Arts
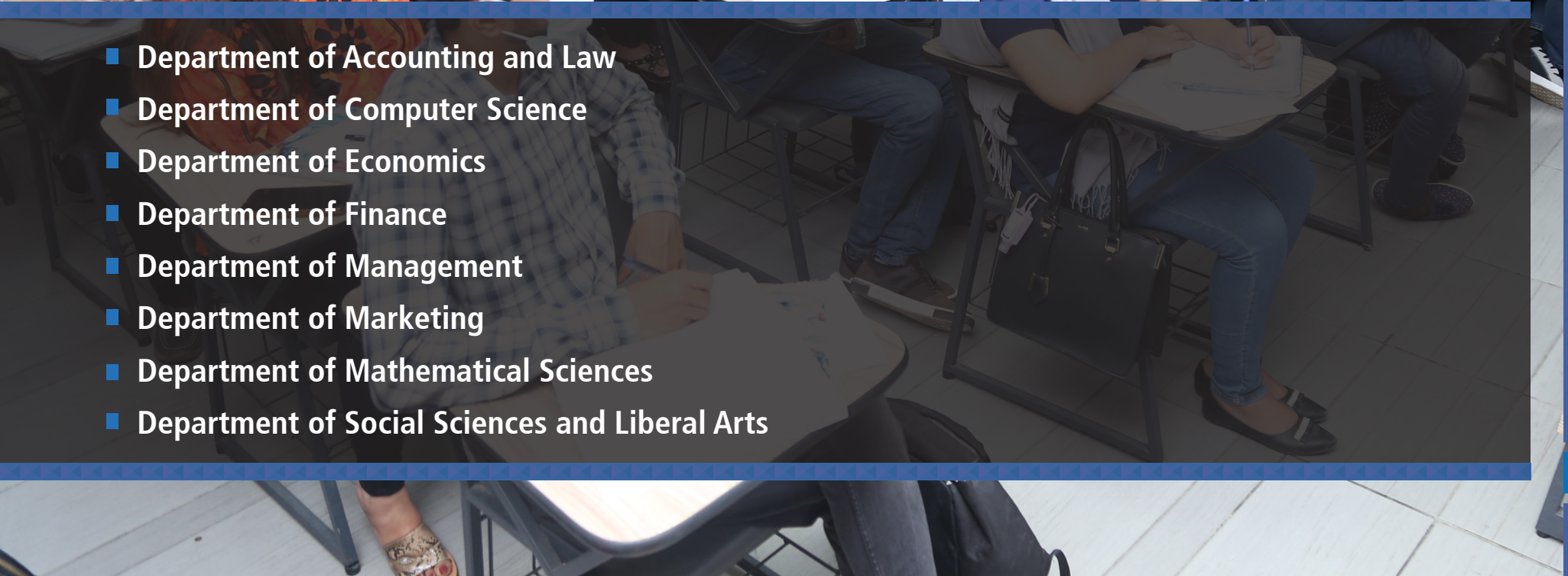
List of courses

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	ACC330	Accounting Information Systems with SAP
9	ACC381	Management Accounting
10	ACC401	Advanced Financial Reporting
11	ACC505	Accounting for Decision Making
12	ACC506	Financial Accounting and Information Systems
13	ACC559	IFRS and Financial Reporting in Pakistan
14	ACC561	Analysis of Financial Statements

Law courses

S.No.	Course code	Course title
1	LAW105	Politics and Law
2	LAW303	Taxation
3	LAW305	Corporate Law
4	LAW310	Legal and Regularity Environment
5	LAW315	Corporate Governance or Code and Practice in Pakistan
6	LAW320	Criminal Law
7	LAW401	Advanced Taxation
8	LAW501	Legal and Regulatory Environment of Business
9	LAW553	Corporate Governance and Practices in Pakistan

List of courses

Department of Computer Science

MIS courses

S.No.	Course code	Course title
1	MIS103	Introduction to Computer Applications (2,1,3)
2	MIS343	Data Warehousing (3,1,4)
3	MIS405	Excel and Access for Business Managers (2,1,3)
4	MIS406	Social Computing (3,0,3)
5	MIS450	Technopreneurship (3,0,3)
6	MIS454	Audit, Ethics and IS Issues (3,0,3)
7	MIS456	E-Commerce (3,0,3)
8	MIS457	IS Security
9	MIS458	Enterprise Resource Planning (3,0,3)
10	MIS459	Customer Relationship Management (3,0,3)
11	MIS463	Mobile Marketing - A Technological Perspective (3,0,3)
12	MIS464	Financial Services Technologies (3,0,3)
13	MIS502	Operations and Technology Management
14	MIS503	Enterprise Integration (3,0,3)
15	MIS513	Information: Industry Structure and Competitive Strategy
16	MIS541	SAP ABAP Programming I
17	MIS542	SAP ABAP Programming II
18	MIS550	Logistics and Supply Chain Management (3,0,3)
19	MIS552	Advanced Data Warehousing (2,1,3)
20	MIS553	Mobile Marketing Strategies (3,0,3)
21	MIS555	Auditing IT Infrastructures (3,0,3)
22	MIS564	Social Computing Applications
23	MIS565	Advance E-Commerce (3,0,3)
24	MIS566	Fundamentals of SAP-ABAP Programming I (2,1,3)
25	MIS567	Simulated Approach to SCM (1,.5,1.5)
26	MIS568	Business Processes Management in ERP using SAP
27	MIS651	Theoretical Foundations of IS (3,0,3)
28	MIS653	Advanced Theoretical Concepts in IS (3,0,3)
29	MTS111	Essential Software

List of courses

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 to Bioinformatics (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)

List of courses

S.No.	Course code	Course title
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
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)
56	CSE673	Deep Learning for IOT
57	CSE674	Text Analytics

List of courses

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 and Simulation - I(2,1,3)
6	ICT654	Computer Communication Networks and 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)
11	ICT675	Software Defined Networking

List of courses

Department of Economics

Economics courses

S.No.	Course code	Course title
1	ECO102	Business Economics
2	ECO103	Principles of Microeconomics
3	ECO104	Principle of Macroeconomics
4	ECO105	Introduction to Economics
5	ECO201	Intermediate Microeconomics
6	ECO202	Intermediate Macroeconomics
7	ECO203	Development Economics I
8	ECO211	Analysis of Pakistan Industries
9	ECO302	Development Economics II
10	ECO303	Mathematical Economics
11	ECO305	International Economics
12	ECO312	Microeconomic Theory
13	ECO313	Macroeconomic Theory
14	ECO341	Introduction to Econometrics
15	ECO342	Applied Econometrics
16	ECO343	Applied Econometrics I
17	ECO344	Applied Econometrics II
18	ECO401	Public Economics
19	ECO403	Major Issues in Pakistan Economy
20	ECO404	Contemporary Issues in Global Economics
21	ECO411	Research Methods in Economics
22	ECO451	Public Finance
23	ECO452	Monetary Economics
24	ECO453	Microeconomics of Public Policy Analysis
25	ECO457	Time Series Econometrics
26	ECO458	Climate Change Economics
27	ECO461	Natural Resource and Environmental Economics
28	ECO464	Game Theory
29	ECO465	International Political Economy

List of courses

S.No.	Course code	Course title
30	ECO466	International Trade
31	ECO467	History of Economic Thought
32	ECO471	Health Economics
33	ECO472	Labor Economics
34	ECO501	Managerial Economics
35	ECO502	Macroeconomics
36	ECO517	Global Economic and Political Environment
37	ECO530	Development Economics
48	ECO531	Microeconomic Theory I
49	ECO532	Macroeconomic Theory I
40	ECO533	Mathematics for Economics
41	ECO537	Econometrics I
42	ECO538	Econometrics II
43	ECO539	International Trade
44	ECO544	Issues in Pakistan Economy
45	ECO551	Climate Change Economics
46	ECO555	Economic Forecasting
47	ECO558	Labor Economics
48	ECO560	Public Policy Analysis: Theory and Practice
49	ECO561	Environmental and Resource Economics
50	ECO562	Financial Economics
51	ECO563	Health Economics
52	ECO564	History of Economic Thought
53	ECO566	Monetary Economics
54	ECO567	Public Economics
55	ECO570	Time Series Modeling
56	ECO571	Industrial Economics
57	ECO572	General Equilibrium and Welfare Economics
58	ECO573	Game Theory and Competitive Strategy
59	ECO574	Water Economics and Policy

List of courses

Economics courses (Contd.)

S.No.	Course code	Course title
60	ECO575	Microeconomics of Public Policy Analysis
61	ECO577	Social Impact Evaluation
62	ECO591	Research Methodology
63	ECO631	Microeconomic Theory II
64	ECO632	Macroeconomic Theory II
65	ECO648	Econometrics Analysis II
66	ECO654	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 and 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

List of courses

S.No.	Course code	Course title
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
31	FIN532	Advance Credit Management
32	FIN533	Financial System – Process, Players, Status and 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 and Financial Services
38	FIN556	Security Analysis and Capital Markets
39	FIN558	Regulation and 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 and Risk Hedging
46	FIN569	Financial Econometrics
47	FIN570	Islamic Banking and Finance
48	FIN574	Financial Modeling
49	FIN577	Seminar in Finance

List of courses

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 and 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	MGT 559	International Business
25	MGT561	Technology Innovation Management and Design

Entrepreneurship courses

S.No.	Course code	Course title
1	MGT102/103	Foundation for Management and Entrepreneurship (FME)
2	ENT451	Marketing for Entrepreneurs
3	ENT452	Entrepreneurial Finance
4	ENT453	Business Law for Entrepreneurs

List of courses

Entrepreneurship courses (Contd.)

S.No.	Course code	Course title
5	ENT454	Entrepreneurial Management
6	ENT455	Family Business Management
7	ENT456	Developing Entrepreneurial Opportunities
8	ENT457	Women's Entrepreneurship and 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

List of courses

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
7	MKT454	Personal Selling
8	MKT455	Retail Management
9	MKT456	Supply Chain Management
10	MKT457	Dynamics of Distribution and Logistics
11	MKT458	Public Relations
12	MKT459	Export Marketing
13	MKT460	Direct Marketing
14	MKT461	Brand Management
15	MKT462	Essentials of Demand and Supply
16	MKT466	Digital Marketing
17	MKT501	Marketing Management
18	MKT503	Applied Business Research
19	MKT506	Branding and Creative Corporate Communication
20	MKT507	Marketing Analytics
21	MKT551	Advertising
22	MKT552	Consumer Behavior
23	MKT553	Entrepreneurial Management
24	MKT556	Social Marketing
25	MKT557	Dynamic Distribution and Logistics
26	MKT558	Customer Ascendancy
27	MKT559	Supply Chain Management
28	MKT561	Brand Management
29	MKT563	Digital Marketing

List of courses

Marketing courses (Contd.)

S.No.	Course code	Course title
30	MKT566	Media Management
31	MKT569	Social Media Marketing
32	MKT570	Strategic Sourcing and Procurement
33	MKT571	Strategic Sourcing and Negotiation Skills
34	MKT573	Markstrat
35	MKT586	Retailing
36	MKT651	Personal Selling
37	MKT653	Sales Management
38	MKT656	Services Marketing
39	MKT657	Strategic Marketing
40	MKT658	Business to Business Marketing
41	MKT659	Global Marketing Management
42	MKT752	Seminar in Marketing

List of courses

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 and 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 and 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

List of courses

Mathematics courses (Contd.)

S.No.	Course code	Course title
30	MTS430	Probability and Statistical Models
31	MTS431	Numerical Solutions of PDEs
32	MTS432	Integral Equations
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 (Galois Theory and Application)
42	MTS444	Modern Algebra-II (Commutative Rings and 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 Chaos
52	MTS508	Probability and Mathematical Statistics
53	MTS511	Advanced Real Analysis
54	MTS512	Measure Theory and 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

List of courses

Mathematics courses (Contd.)

S.No.	Course code	Course title
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 and Software
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 and Knowledge Discovery
75	MTS573	Statistical Machine Learning
76	MTS575	Topology and Geometry
77	MTS576	Scientific Computing I of PDEs
78	MTS577	Galois Theory
79	MTS581	Smooth Manifolds
80	MTS606	Category Theory
81	MTS621	Numerical Treatment of PDEs
82	MTS625	Financial Mathematics
83	MTS637	Computational Astronomy
84	MTS645	Applicable Modern Geometry II
85	MTS649	Algebraic Geometry II
86	MTS653	Algebraic Cycles II
87	MTS655	Algebraic Curves
88	MTS656	Iterative Methods for Sparse Linear Systems
89	MTS657	Polylogarithms

List of courses

Mathematics courses (Contd.)

S.No.	Course code	Course title
90	MTS658	Time Scale Calculus
91	MTS659	Computational Fluid Dynamics
92	MTS661	Multivariate Statistical Analysis
93	MTS662	Analysis on Manifolds
94	MTS664	Plane Curves and Singularities
95	MTS665	Mathematical Physics II
96	MTS666	Advanced Topology
97	MTS667	General Relativity and Cosmology
98	MTS668	Scientific Programming
99	MTS669	Convex Analysis
100	MTS670	Algebraic Number Theory
101	MTS671	Monomial Algebra
102	MTS672	Topics in Homological Algebra
103	MTS673	Computational Continuum Mechanics
104	MTS674	Algebraic Topology
105	MTS 675	Quantum Mechanics I
106	MTS 676	Special Relativity
107	MTS 677	De Rham Cohomology
108	MTS691	Topics of Special Interest I
109	MTS692	Topics of Special Interest II
110	SCI102	Physics

List of courses

Department of Social Sciences and Liberal Arts

Social Sciences and Liberal Arts courses

S.No.	Course code	Course title
1	SSC101	English Grammar and Composition
2	SSC102	Foundations of Human Behavior
3	SSC106	Intermediate English Grammar and 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

List of courses

Management Social Sciences and Liberal Arts courses (Contd.)

S.No.	Course code	Course title
31	SSC236	Introduction to Academic Writing
32	SSC238	History of Ideas II
33	SSC239	History of Ideas I
34	SSC240	Personal Effectiveness
35	SSC253	Corporate Social Responsibility
36	SSC301	Socioeconomic Philosophy of Islam
37	SSC302	Computational Research Methods
38	SSC330	German I
39	SSC331	German II
40	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
11	NSC361	Science and Medicine in Islamic Societies 700 – 1700

List of courses

Visual Studies and Humanities courses

S.No.	Course code	Course title
1	HUM201	Speech Communication
2	HUM340	An Introduction to Urdu Poetry and Poetics
3	HUM341	Freaks, Geeks and Monsters: Exploring the Role of the Other in Fiction
4	HUM350	Empire and Vision: Between Production and Representation of South Asian Cities
5	HUM351	Great Books
6	HUM352	Reading Poetry
7	HUM353	Introduction to Drama
8	HUM354	Introduction to Urdu Literature
9	HUM355	Anglo-Indian Narratives and the Postcolonial Subject
10	HUM356	Foundations of Philosophical Thought
11	HUM357	Philosophy, Logic, and Ethics
12	HUM358	Comparative Classical Philosophy
13	HUM359	Introduction to Comparative Religions
14	HUM360	Creative Writing
15	HUM361	Theater Project: The Living Newspaper
16	HUM363	Introduction to Visual Culture
17	HUM364	History of Art I: Classical Antiquity to the Middle Ages
18	HUM365	History of Art II: Renaissance to the Present
19	HUM366	Art of the Islamic World
20	HUM368	Intellectual and Cultural History of Muslim Spain
21	HUM369	The Making of the Mughal Empire: An Intellectual and Cultural History
22	HUM370	From Ghalib to Bollywood
23	HUM371	1947/1971: Interrogating Partitions, Narrative Selves
24	HUM372	History of Anthropological Thought
25	HUM374	Introduction to Literary Modernism
26	HUM375	Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction
27	HUM376	A History of the Cold War
28	HUM377	Are We Becoming Post-Human? Technology, Society, Ethics
29	HUM378	A History of the Fable in its Greek, Arabic and Indic Traditions
30	HUM379	Don Quixote and its Andalusian Milieu
31	HUM380	Advanced Readings in Pakistan's History

List of courses

Visual Studies and Humanities courses (Contd.)

S.No.	Course code	Course title
32	HUM381	Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia
33	HUM382	An Introduction to the Philosophy of Mathematics
34	HUM383	Narrative and Identity in Pakistani Literature
35	HUM385	A Textual Introduction to Rumi
36	HUM386	Unearthly Things and Sad Destinies: An Introduction to Literary Theory
37	HUM387	Sufism: A Social, Political and Economic History
38	HUM388	An Introduction to the Islamic Scholarly Tradition
39	HUM450	Islamic Book Arts 1200-1800
40	HUM451	Screening the Body: Gender, Race and Nation in Visual Culture
41	HUM452	Ethnographic Theory and Practice
42	HUM453	Spirituality in Islam: Classical Texts and Themes
43	HUM454	Prophets in the Abrahamic Traditions
44	HUM455	Environmental Anthropology
45	HUM456	Evolution of Music in South Asia
46	HUM457	Ethnomusicology: Music and Culture
47	HUM458	Female Friendship in World Literature
48	HUM459	Introduction to Feminist Theory
49	HUM460	Food, Self and Society
50	HUM485	An Introduction to the Philosophy of Mind

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	MCS350	Lights, Camera, History: Representations of Medieval South Asia in Bollywood
5	MCS351	Media and Post-colonialism
6	MCS352	Media, Law, and Ethics
7	MCS353	Race, Class, and Gender in Film and Television
8	MCS354	The International Newsroom
9	MCS355	Analyzing the News
10	MCS356	Introduction to Visual Communication
11	MCS357	Crime and Legality in Visual Cultures
12	MCS358	Journalism Essentials for Business: Visibility in the Age of New Media
13	MCS359	Watching Films

List of courses

Media and Communication courses (Contd.)

S.No.	Course code	Course title
14	MCS360	History of Film
15	MCS361	The Non-Fiction Film
16	MCS362	Introduction to Television Studies
17	MCS363	Television Newsmagazines and Documentaries
18	MCS364	Foundations of Screenwriting
19	MCS365	Narratives Across Media
20	MCS366	Digital Activism and Democracy
21	MCS367	Media Convergence and the Virtual Public Sphere
22	MCS368	Media Anthropology
23	MCS370	The Western Travel Documentary in a Global Context
24	MCS371	Journalism and Public Discourse
25	MCS372	Political Communication
26	MCS373	Ethnicities, Diaspora and the Media
27	MCS374	Taking it Like a Man: American Masculinities in Visual Culture
28	MCS375	Literary and Visual Cultures in a New Media Age
29	MCS376	Parallel Cinema, Gender and Realism
30	MCS377	Fundamentals of Design and Communication
31	MCS378	Karachi in the Media
32	MCS379	Fan Studies: Theory and Practice
33	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	POL350	Political Violence, Civil War, and Terrorism
5	POL351	Political Psychology
6	POL352	Foreign Policy in China
7	POL353	An Introduction to Legal Theory
8	POL354	War: Conceptual Underpinnings
9	POL355	Human Rights and Law

List of courses

Political Science courses (Contd.)

S.No.	Course code	Course title
10	POL356	Environment and Politics
11	POL357	Diplomacy in a Globalized World
12	POL358	Islam and International Relations
13	POL359	The Modern Middle East
14	POL360	Studying the City in the Global South: Planning, Politics & Development
15	POL361	Democracy and Difference
16	POL362	Pakistan's Foreign Policy
17	POL363	Filthy Lucre: A Political History of Money
18	POL364	Political Philosophy
19	POL365	Introduction to Foreign Policy Analysis
20	POL366	Culture and Power in Human Societies
21	POL367	Global Urbanisms
22	POL370	Politics in Colonial and Post-Colonial Punjab
23	POL371	Modern Political Ideologies: Liberalism, Socialism, Anarchism
24	POL372	Negotiation and Conflict Resolution
25	POL373	History, Theory and Practice of Diplomacy
26	POL376	Perspectives in Pakistan's Political Economy
27	POL377	Politics of Resistance in the Middle East
28	POL378	China's Contemporary Security Environment
29	POL379	Women's Issues and Activism in Pakistan
30	POL401	International Politics
31	POL402	Political Systems and Political Regimes
32	POL450	Winners, Losers, and Bystanders: Political Economy Perspectives on Global Changes
33	POL451	Transnational Islamic Politics in the Post-9/11 World

Psychology courses

S.No.	Course code	Course title
1	PSY275	Memory and Attention
2	PSY301	Research Methods in Psychology
3	PSY302	Human Development
4	PSY303	Personality, Identity, and the Self
5	PSY304	History and Systems of Psychology
6	PSY350	Consumer Psychology

List of courses

Psychology courses (Contd.)

S.No.	Course code	Course title
7	PSY351	Introduction to Social Psychology
8	PSY352	Industrial and Organizational Psychology
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	PSY373	Environmental Psychology
26	PSY374	Climate Change: Psychology of Denial, Impacts, and Adaptation
27	PSY376	Forensic and Criminal Psychology
28	PSY401	Language, Memory, and the Human Mind

History courses

S.No.	Course code	Course title
1	HST301	From Empires to Nation-States: A History of the Pre-20th Century World
2	HST302	Topics in Historiography
3	HST303	Twentieth Century Global History
4	HST304	Research Methods in History: Primary Source Genres
5	HST351	A History of the Indian Ocean World
6	HST352	Historiography of Early Islam
7	HST353	Ecological History
8	HST354	The Ottoman, Safavid, and Mughal Empires

List of courses

PGD Healthcare Management (Focus Hospital Management)

S.No.	Course code	Course title
1	FIN506	Business Finance
2	HCM502	Healthcare and Hospital Design
3	HCM503	Healthcare Management Information System
4	MGT503	Managerial Communication
5	MGT506	Corporate Strategy
6	MGT510	Operation and Production Management
7	MGT512	Strategic Human Resource Management
8	MGT557	Organizational Behaviour and Leadership
9	MKT501	Marketing Management
10	MKT503	Applied Business Research
11	MKT559	Supply Chain Management
12	MTS506	Quantitative Methods for Decision Making
13	SCM548	Quality Management

PGD Human Resource Management

S.No.	Course code	Course title
1	HRM520	Organization Structure and Culture
2	HRM528	HR Operation/MIS/IT/Human Resource Information System HRIS
3	HRM530	Selection and Recruitment Techniques
4	HRM536	HR as Strategic Business Partner
5	HRM537	Employee Engagement and Retention
6	HRM538	Performance Management System
7	HRM539	Compensation and Benefits Management
8	HRM551	Industrial Relation Management
9	HRM555	Occupational Environment, Health and Safety
10	HRM558	Leading the Change Process
11	HRM559	Ethics, Legal and Regulatory consideration in HR
12	HRM571	Training and Development
13	MGT557	Organizational Behaviour and Leadership

List of courses

PGD Supply Chain Management

S.No.	Course code	Course title	
1	MGT510	Operation and Production Management	Core
2	MKT556	Supply Chain Management	Core
3	MKT571	Strategic Sourcing and Negotiation Skills	Core
4	SCM531	Accounting and Finance for SC Management	Core
5	SCM533	Enterprise Resource Planning (ERP)	Core
6	SCM534	Managing Contracts and Supplier Relationship	Core
7	SCM535	Distribution and Supply Chain Network Design	Core
8	SCM542	Supply Chain Performance Evaluation	Core
9	LAW501	Legal and Regulatory Environment of Business	Elective
10	MGT555	Project Management	Elective
11	MGT557	Organizational Behavior and Leadership	Elective
12	SCM532	Logistics: Transportation and Warehousing	Elective
13	SCM541	Supply Chain Sustainability and Business Continuity	Elective
14	SCM543	Globalization and Import - Export Policy	Elective
15	SCM544	Supply Chain Modeling and Simulation	Elective
16	SCM545	Forecasting and Marketing Management (CRM)	Elective
17	SCM548	Quality Management for Supply Chain	Elective
18	SCM549	Manufacturing Strategy	Elective
19	PRJ701	SCM Project (Capstone)	Project

Leadership

S.No.	Course title
1	Discovering Leadership through Self Analysis
2	Entrepreneurial Leadership
3	Leadership Skills for Top Management
4	Managing and Leading Education Institutions
5	Strategic Leadership
6	Transformational Leadership Program
7	Women Leadership

List of courses

General Management and Strategy

S.No.	Course title
1	Acquiring a Business
2	Business Performance Measurement (BPM)
3	Customer Centric Quality Management
4	Doing Wonders with Excel 2010 (Module 1 and 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 and 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 and Execution for Top Management
17	Stress Management

Finance, Accounting and Law

S.No.	Course title
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
10	Equity Analysis (Module 1 and 2)

List of courses

Finance, Accounting and Law (Contd...)

S.No.	Course title
11	Finance and Accounting for Non-Finance Executives
12	Finance for Engineers and Technical Executives
13	Financial Derivatives (Module 1 and 2)
14	Financial Engineering
15	Financial Engineering and Risk Management
16	Financial Modelling (Module 1 and 2)
17	Financial Statement Analysis (Module 1 and 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

S.No.	Course title
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 and Verbal Communication Skills
8	Written Communication Skills

Quality Management

S.No.	Course title
1	Applicative Six Sigma – Green Belt Level
2	Cost of Quality
3	Current Good Manufacturing Practices (cGMP) for Pharmaceutical Industry
4	Exporting Medicines from Pakistan to PICS Countries, WHO Qualification and Regulatory Requirements

List of courses

Human Resource Management

S.No.	Course title
1	Balanced Scorecard
2	Compensation and Benefits Management
3	Finance and Accounting for HR Professionals
4	HR as Strategic Business Partner
5	Interviewing Skills – Select the best
6	Life Career Development
7	Performance Management Systems

Marketing and Sales

S.No.	Course title
1	Brand and 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 and 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 and Customer Service Excellence

List of courses

Supply Chain

S.No.	Course title
1	Making Supply Meet Demand in an Uncertain World
2	Materials Management and MRP in SAP ERP
3	Sales and 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

S.No.	Course title
1	Applicative Six Sigma – Green Belt Level
2	Cost of Quality
3	Current Good Manufacturing Practices (cGMP) for Pharmaceutical Industry
4	Exporting Medicines from Pakistan to PICS Countries, WHO Qualification and Regulatory Requirements

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City Campus	1105	1271	1003	1502	1008 and 1502	1468	1461

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The Karachi Edge

Karachi, a diverse metropolis encapsulates a multitude of ethnicities, cultures and historical architecture. Being Pakistan's premier industrial and financial hub, the city offers ample employment opportunities to people from across Pakistan. Karachi is the most populous city of the country, with approximately 16.09 million inhabitants belonging to different faiths and ethnicities. Majority of the population comprises of descendants of migrants from India. Other ethnicities include Pashtuns, Sindhi, Punjabi, Gilgiti and Balochi and it is this beautiful mix of diverse cultures and traditions that makes Karachi a wonderful place to live in.

The geographic location of the city gives it a strategic advantage in terms of trade and international politics. Being situated at the coast of the Arabian Sea, Karachi serves as a transport hub, and is home to two of Pakistan's largest seaports, the Port of Karachi and Port Qasim. The modern-day version of the city has a rich history, which is evident from several historical monuments that adorn it. From the Frere Hall serving as a reminiscent of the colonial era, the Mohatta Palace serving as a symbol of Rajput splendour, and the Mazar-e-Quaid standing as a historical reminder of the struggle and victory of our nation, Karachi is a unique city that mesmerizes all with its charm, progression and resilience.

Being one of the world's biggest cities, Karachi has a multitude of recreational activities, from cinema halls, theatres, art galleries, waterparks and adventure theme parks, all amidst the hustle and bustle of the corporate world. Karachi is the City of Lights, the heart of Pakistan that never sleeps, and lives on in the hearts of all those that have the pleasure of experiencing its everlasting charm.
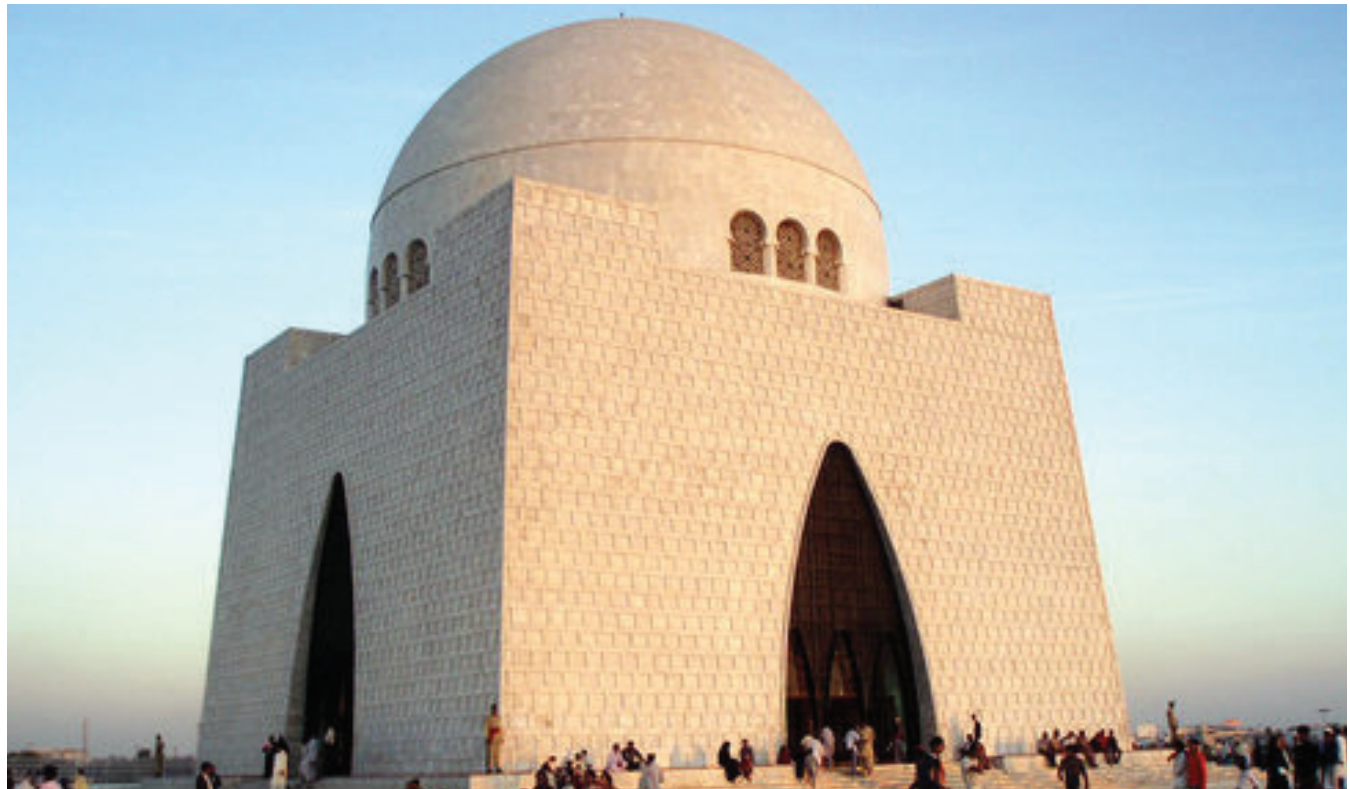
Source:
Karachi's population
http://worldpopulationreview.com/world-cities/karachi-population/

The Islamic Republic of Pakistan has a population of approximately 220.95 million and consists of four diverse provinces namely Sindh, Punjab, Khyber Pakhtunkhwa and Baluchistan. Pakistan is an ethnically and culturally diverse country, comprising of people from diverse backgrounds. The country is known for its resilience as it has survived wars, martial law, as well as political and social upheavals.

The economy of Pakistan is semi-industrialized with primary export commodities including textiles, leather goods, sports goods, carpets and rugs, agricultural products and medical instruments. Megacities like Karachi, Lahore and Islamabad are hubs of economic activity that attract diverse individuals from across Pakistan and other countries.

The Pakistani culture borrows from civilizations such as the ancient Indian civilization, the centuries-old Mughal empire as well as influences from the British colonial rule. Since its inception, education has been a major developmental priority for the country. Despite limited educational budgets, over the years Pakistan has managed to successfully establish and run several world-class educational institutes, including IBA and other public and private universities. A few internationally renowned academics and intellects from Pakistan include Theoretical Physicist and Nobel Prize winner Dr. Abdus Salam, Scientist and Co-Chair of UNESCAP Dr. Atta ur Rahman, acclaimed writers Mohammad Hanif, Mohsin Hamid, Kamila Shamsie, and Oscar-winning filmmaker Sharmin Obaid Chinoy, to name a few.

Source:
Pakistan's population
https://worldpopulationreview.com/countries/pakistan-population

Calendar of holidays

Gazetted/public holiday 2020	
Eid-ul-Azha*	31 July, 1 and 2 August, 2020
Independence Day	14 August, 2020
Ashura*	29 and 30 August, 2020
Eid Milad-un-Nabi*	30 October, 2020
Birth anniversary of Quaid-e-Azam	25 December, 2020

Local/optional holidays 2020	
Urs of Shah Abdul Latif Bhittai (14 Safar)*	2 October, 2020
11 Rabi-ul-Awal**	29 October, 2020
APS Peshawar Holiday**	16 December, 2020
Death Anniversary of late Benazir Bhutto**	27 December, 2020

Gazetted/public holiday 2021	
Kashmir day	5 February, 2021
Pakistan day	23 March, 2021
Labour day	1 May, 2021
Eid-ul-Fitr*	13, 14 & 15 May, 2021
Eid-ul-Azha*	20, 21 & 22 July, 2021
Independence day	14 August, 2021
Ashura*	17 & 18 August, 2021
Eid Milad-un-Nabi*	18 October, 2021
Birth anniversary of Quaid-e-Azam	25 December, 2021

Local/optional holidays 2021	
Death anniversary of late Zulfiqar Ali Bhutto**	4 April, 2021
Urs of Shah Abdul Latif Bhitai (14 Safar)**	21 September, 2021
11 Rabi-ul-Awal**	17 October, 2021
APS Peshawar holiday**	16 December, 2021
Death anniversary of late Benazir Bhutto**	27 December, 2021

Subject to moon sighting
*** Subject to receiving notification from the Government of Sindh*

Excerpts of the academic calendar 2020-2021

June 15, 2020
to
August 09, 2020

Summer semester 2020

June 07, 2021
to
August 03, 2021

Summer Semester 2021

September 15, 2020
to
January 06, 2021

Fall semester 2020

23-Aug-2021

Fall Semester 2021

December 12, 2020

*Subject to the prevalent situation due to Covid-19

Convocation 2020

August 29 & 30, 2020

(*subject to sighting of the moon)

Ashura*

January 22, 2021
to
May 27, 2021

Spring Semester 2021

Milestones in the journey of excellence

1955
- The Institute of Public and Business Administration (IPBA) was established with the assistance from USAID. Programs commenced in the YMCA building in Karachi, with technical support from the then Wharton School of Finance and Commerce, University of Pennsylvania, USA
- The IBA city campus was established with 4 classrooms, a reading hall, and 2 offices (8,000 sq.ft) in PIIA building on Havelock Road

1956
- A two-year MBA morning program was commenced as a constituent unit of the University of Karachi
- Faculty was hired in the department of Public and Business Administration, in collaboration with the University of Pennsylvania and assisted by United States International Corporation Administration, now USAID

1957
- A two-year MBA evening program was launched

1961
- Planning and construction of both, main and city campuses commenced

1965
- The faculty of IBA, Dhaka University and Kelley School of Business jointly developed the two-year MBA program for former East Pakistan

1966
- First computer course, Electronic Data Processing, was offered

1967
- Construction of both the campuses was completed; morning and evening classes commenced at the main campus in 1965, and at the city campus in 1967

1968
- A two-year BBA program was introduced

1982
- A three-year BBA (Hons.) program was launched

1983
- A two-year MBA (MIS) program was launched
- Centre for Computer Studies was established in collaboration with IBM, Pakistan
- PGD (System Analysis) Program was started

1987
- The IBA laid down the foundation for the Centre of Excellence with the help of USAID

1989
- PGD (System Analysis) program was upgraded to 2-year MBA(MIS) program

1990
- A two-year MBA (Banking) program was introduced in collaboration with ANZ-Grindlays Bank

1993
- A two-year MBA Executive program was started at the city campus
- An additional two-storey building (FCS) was built at the city campus
- A three-year BBA Executive program was started at the city campus

1994
- The IBA became independent from KU after it received a charter, declaring it to be a fully autonomous, degree awarding institution

1997
- 3-year BBA(MIS) honors program was announced to cater to the increasing role of information technology in business
- MIS program was renamed to Management Information System and Sciences program in recognition of the fact that it covers both Information Systems and Computer Sciences

1998
- PGD (Computer Science) evening program was offered to part-time students
- A 3-year Bachelors in Computer Science (BCS) honors program with concentration in Software Engineering was announced
- A three-year BBA (MIS) program was introduced

- A three-year BS (Computer Science) program was launched

2002
- All undergraduate programs were upgraded to 4-year degree programs
- Centre for Executive Education (CEE) was established

2004
- The National Talent Hunt (NTHP) program was launched to facilitate talented and needy students from all over Pakistan

2005
- PhD in CSE, MIS and ICT was offered

2008
- 4-year BCS degree title renamed to BS (Computer Science)
- BS (Software Engineering) and BS (Information Technology) were offered
- A two-year MS (Computer Science), MS (Information Technology) and MS (Software Engineering) were offered

2009
- Online admission system was launched
- Complete revamp of IT network infrastructure
- MBA Executive (weekend) program of 2.5 years was launched to meet the high demand of professionals
- The Center for Computer Studies was renamed to Center for CS and MIS
- Signed MoU with CFA Institute
- A 10-year MoU was signed with Babson College, USA for setting up IBA Center for Entrepreneurial Development (CED)
- IBA launched AMAN Center for Entrepreneurial Development (CED)

2010
- Enterprise Resource Planning (ERP) was implemented
- The Center for CS and MIS was renamed to Faculty of Computer Science
- MS (Economics) program was introduced

- Dean's List and the Best Final Year Project awards were introduced
- MoU was signed with Babson College, USA

- IBA AMAN-CED entered into a strategic partnership with Babson College

2011
- MBA curriculum was revamped, requiring a minimum of two years of relevant work experience
- PhD (Economics) program was launched
- The IBA received membership of European Foundation for Management Development
- Departments of Mathematical Sciences and Social Sciences and Liberal Arts were established
- IBA awarded South Asia Quality Assurance Systems (SAQS) accreditation by AMDISA
- IBA AMAN-CED introduced BBA Entrepreneurship Programme

2012
- Learning Management System (LMS) was implemented
- Alumni crossed the 10,000 graduates mark
- A four-year BS (Economics and Mathematics) program was launched
- Memorandum of collaboration was signed with the University of Malaya
- MoU was signed with the Indian School of Business (ISB) to promote executive education in Pakistan
- MoU was signed with SP Jain Institute of Management and Research
- MS Mathematics, PhD Mathematics and MS programs leading to PhD in Economics and Mathematics were launched
- The IBA was registered as an education provider of the Project Management Institute (PMI), USA
- Inauguration of AMAN-CED building

2013
- Construction of Abdul Razzak Tabba Academic Block was completed at the main campus
- Construction of Alumni Students' Centre was completed at the main campus
- Construction of a sports arena was completed at the main campus
- Construction of Captain Haleem Ahmad Siddiqui Boys Hostel with a 150-bed capacity was completed at the main campus

- Construction of M. Habibullah visiting faculty residence was completed at the main campus
- Tier III data center was established at the city campus
- A four-year undergraduate program was launched in the Department of Social Sciences and Liberal Arts
- A four-year undergraduate program was launched at the Department of Accounting and Finance
- MoU was signed with the Institute of Chartered Accountants of Pakistan (ICAP) for the BS Accounting and Finance program
- MoU was signed with the Institute of Bankers Pakistan (IBP) for the BS Accounting and Finance program
- IBA International Resource Center (IRC) was established to facilitate student and faculty exchanges as well as research collaborations
- IBA Ardeshir Cowasjee Center for Writing was established as an initiative of the Social Sciences and Liberal Arts Department
- IBA AMAN-CED started in-house incubation services/facilities

2014
- Parvez Abbasi Prayer Hall was constructed at the main campus
- Construction of a new Girls hostel with a 100-bed capacity was completed at the IBA staff town
- Construction of a 430-seat Jahangir Siddiqui Auditorium was completed at the city campus
- The Centre for Excellence in Journalism (CEJ-IBA) was established through a collaboration between IBA Karachi, Medill School of Journalism at Northwestern University and the ICFJ with the help of a grant from the U.S. Department of State
- MoU was signed with the Chartered Institute of Management Accountants (CIMA) for the BS Accounting and Finance program
- MoU was signed with the Association of Chartered Certified Accountants (ACCA) for the BS Accounting and Finance program
- IBA AMAN-CED signed an agreement with the World Bank to promote women entrepreneurship

2015
- Centre for Excellence in Islamic Finance (IBA-CEIF) was established at the Aman Tower
- PGD in Supply Chain Management, Human Resource Management and Healthcare Management was introduced
- IBA AMAN-CED partnered with Sri Lankan Chamber to help them establish an entrepreneurial center in Sri Lanka

2016
- Aman Tower, a 14-storey building was inaugurated at the city campus
- Equipped with state-of-the-art facilities, the CEJ-IBA office was inaugurated at the Aman Tower
- MOU signed with the International Centre for Education in Islamic Finance (INCEIF), Malaysia for cooperation with the IBA Centre for Excellence in Islamic Finance

2017
- Martin Dow clinic was constructed at the main campus
- 2 years MS in Islamic Banking and Finance program was introduced by CEIF

2018
- Martin Dow clinic was inaugurated at the main campus
- Launch of the IBA Job Portal
- CEJ-IBA introduced MS Journalism program
- BS in Economics was introduced
- Approval of MS (Management) program by HEC

2019
- MS Management was launched and its first batch was inducted
- A neuromarketing biometric lab was established at the main campus

2020
- MS Data Science was introduced by the Department of Computer Science
- MS Finance was launched by the Department of Finance
- Announcement of establishment of 3 schools each with its own Dean, replacing the Associate Deans of the Faculty of Business Administration and the Faculty of Computer Science
- The School of Business Studies, the School of Economics and Social Sciences, and the School of Mathematics and Computer Science will come into effect from January 1, 2021

IBA Institute of Business Administration Karachi

Leadership and Ideas for Tomorrow

PROGRAM ANNOUNCEMENT

2020-21

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- Fax : 92-21-99261508

City Campus

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