

# PROGRAM

# ANNOUNCEMENT

## 2019-20



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## Programs

### Undergraduate programs

BBA	64
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M.S. (Computer Science)	129
M.S. (Economics)	133
M.S. (Islamic Banking and Finance)	138
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# Academic calendar 2019-20

## Fall semester 2019

Online course registration – July 25 - 31, 2019

Orientation day: August 20, 2019 (Tuesday)

Fall semester begins: August 21, 2019 (Wednesday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days
August 21, 2019	11	1	-	-	10
September, 2019	30	5	2	-	23
October, 2019	31	4	-	6	21
November, 2019	30	4	1	-	25
December 23, 2019	23	4	4*	10	05
<b>Total days</b>	<b>125</b>	<b>18</b>	<b>7</b>	<b>16</b>	<b>84</b>

Activity	Action By	Commencement date	Completion date
Midterm exams	Controller of exam	October 11, 2019	October 17, 2019
Faculty evaluation	Students	November 26, 2019	December 07, 2019
Preparatory holiday	Students	December 07 - 11, 2019	
Final exams	Controller of exam	December 12, 2019	December 23, 2019
Promulgation of results	Faculty	December 12, 2019	January 07, 2020
Comprehensive exam		January 18, 2020	

\*Preparatory holidays

Short winter semester 2020: January 1 to January 14, 2020

Summer Orientation Program 2019 (MBA): July 1, 2019 to August 19, 2019

## Spring semester 2020

Online course registration – January 1 - 5, 2020

Orientation day: January 14, 2020 (Tuesday)

Spring semester begins: January 15, 2020 (Wednesday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days
January 15, 2020	17	2	-	-	15
February, 2020	29	4	1	-	24
March, 2020	31	5	1	6	19
April, 2020	30	4	1	-	25
May 21, 2020	21	3	1+5*	10	2
<b>Total days</b>	<b>128</b>	<b>18</b>	<b>9</b>	<b>16</b>	<b>85</b>

Activity	Action By	Commencement date	Completion date
Midterm exams	Controller of exam	March 5, 2020	March 11, 2020
Faculty evaluation	Students	April 22, 2020	May 06, 2020
Preparatory holiday	Students	May 5, 2020	May 9, 2020
Final exams	Controller of exam	May 11, 2020	May 21, 2020
Promulgation of results	Faculty	May 11, 2020	June 05, 2020
Comprehensive exam		August 15, 2020	

\*Preparatory holidays

# Academic calendar 2019-20

## Summer semester 2020

Online course registration – 03 to 04 June, 2020

Summer semester 2020 begins: June 05, 2020 (Friday)

Months/dates	Total days	Sundays	Holidays	Exams. days	Teaching days	Activity	Action by	Commencement date	Completion date
June 05, 2020	26	4	-	1	21	Midterm exams	Controller of exam	June 30, 2020	July 01, 2020
July 28, 2020	28	4	-	3	21	Faculty evaluation	Students	July 15, 2020	July 25, 2020
Total days	54	8	-	4	42	Final exams	Controller of exam	July 27, 2020	July 28, 2020
						Promulgation of results	Faculty	July 27, 2020	August 7, 2020

## Fall semester 2020

Online course registration – July 25 - 31, 2020

Orientation day: August 20, 2020 (Thursday)

Fall semester begins: August 21, 2020 (Friday)



# Programs on offer

S. No.	Information	Bachelor of Business Administration (BBA)	Bachelor of Science (B.S.)					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 1 'B' and 2 'C's) in 3 principal subjects including Mathematics or American high school diploma minimum of 80% or An international baccalaureate (minimum 24/45)				Higher secondary school certificate (any group with 60% marks) or 'A' levels (minimum 1 'B' and 2 'C's) in 3 principal subjects or American high school diploma (minimum of 80%) or An international baccalaureate (minimum 24/45)		A minimum of 16 years of education out of which 4 years should have been spent in an HEC recognized university/ degree awarding institute with: A minimum of 60% aggregate marks or A minimum of 2.50 CGPA on a scale of 4.00 (as applicable)  (candidates with work experience will be preferred)
2	Aptitude test component	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> </ul>			<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> </ul>		<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>English comprehension (essay writing skills)</li> <li>Mathematics (MCQs)</li> </ul>	
3	Aptitude test - difficulty level	SAT-I	SAT-I and SAT-II (Mathematics)		SAT-I		GMAT/GRE		
4	Aptitude test exemption	..... See admission policy .....					Minimum 600 score in GMAT/ 160 each in quantitative and verbal GRE		
5	Student profile	Avg. age: 19					Avg. age: mid 20s		
6	Graduation requirement	40 courses, 128 credit hours, responsible citizen initiative (RCI), corporate internship	40 courses, 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 (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 2019	Rs. 237,500/- semester	Rs. 199,500/- semester			Rs. 237,500/- semester	Rs. 237,500/- semester	Tuition fee of Rs. 37,500/- 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:**
- Participation in group discussion (for MBA only) and interview is mandatory.
  - All admissions are subject to candidates' meeting, minimum eligibility requirement and qualifying aptitude test, group discussion, interview as applicable.
  - All equivalency claims shall be evaluated by the IBCC ([www.ibcc.edu.pk](http://www.ibcc.edu.pk)) for BBA/B.S. programs and by HEC ([www.hec.gov.pk](http://www.hec.gov.pk)) for graduate and post-graduate programs.
  - The IBA reserves the right to revise the fee without prior notice. For more details, please refer to the fee structure.

# Programs on offer

MBA Executive	Master of Science (M.S.)					Doctor of Philosophy (Ph.D.)				
	Various specializations	Computer Science	Economics full time   part time	Mathematics full time   part time	Islamic Banking and Finance	Management	Journalism	Economics	Computer Science	Mathematics
A minimum of 16 years of qualification out of which 4 years should have been spent in an HEC recognized university/degree awarding institution with: A minimum of 60% aggregate marks or a minimum of 2.50 CGPA on a scale of 4.00 (as applicable) and a minimum of 3 years of post qualification experience (mandatory)	A minimum of 16 years of education out of which 4 years should have spent in an HEC recognized university/degree awarding institute with: a minimum of 60% aggregate marks or A minimum of 2.50 CGPA on a scale of 4.00 (as applicable)	A minimum of 16 years of education (B.S./M.Sc. - Mathematics, Physics, Computer Science, Statistics) 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)	A minimum of 16 years of education/ equivalent degree in any discipline from a local or foreign institute recognized by the HEC, with a minimum CGPA of 2.5 out of 4.0 , or 60% marks in their last degree (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 4.0, 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	M.S./M.Phil./equivalent in relevant subject from HEC recognized local/foreign university with: minimum 60% aggregate marks in the last degree or A minimum 3.0 CGPA on a scale of 4.00 in the last degree where applicable also have to fulfill specific requirements by the respective departments					
<ul style="list-style-type: none"> <li>Business English (MCQs)</li> <li>Case study</li> <li>Applied Mathematics (MCQs)</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> <li>Subject specialization</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> <li>Economics (MCQs)</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> <li>Essay writing</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Essay writing</li> <li>GK/Current affairs</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> <li>Subject specialization</li> </ul>	<ul style="list-style-type: none"> <li>English composition (MCQs)</li> <li>Mathematics (MCQs)</li> </ul>			
GMAT/GRE	GRE general + specialization		TOEFL or IELTS GRE (int'l) math subjective test	GRE general and GMAT		–	TOEFL or IELTS GRE general + specialization	CS subject test	TOEFL or IELTS GRE Math subjective test	
Minimum 600 score in GMAT/ 160 each in quantitative and verbal GRE (int'l)	160 each in quantitative and verbal GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test	160 each in quantitative and verbal - GRE (int'l) 600 score in GMAT		–	160 each in quantitative and verbal - GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test	
<b>Avg. age: mid 30's</b> <b>Avg. work experience: 7 years</b>	<b>Avg. age: mid 20s</b>					<b>Avg. age: 20s - 30s</b>	<b>Avg. age: 26</b>			
22 courses, 72 credit hours, 1 project, comprehensive exam	M.S. without thesis 9 courses (27 credit hours) and a research survey (3 credit hours), or M.S. 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	M.S. core and elective courses: 16 courses, 48 credit hours, M.S. research thesis: 9 credit hours	6 core courses, 2 area core courses, 2 electives, 30 credit hours, thesis/project, 6 credit hours	12 courses, 39 credit hours, 1 capstone project, 1 internship	11 courses, 1 dissertation, 67 credit hours	8 courses, 24 credit hours, Proposal Defense, and Dissertation, 6 credit hours	6 courses, 18 credit hours, comprehensive exam, synopsis proposal, dissertation	
Rs. 37,500/- per course	Rs. 122,500/- semester for all full time M.S. students Rs. 37,000/- per course and Rs. 8,000/- other semester charges for part time M.S. students						monthly stipend and full tuition fee waiver			
September, January and May	August			August and January	August	August	August		August and January	
2.5 years	2 years						4 years			
main	city	main/city			city	main	main/city			

## PGD programs

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

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

# Academic programs



## Undergraduate programs

The IBA launched the 2-year Bachelor of Business Administration (BBA) program in 1968 under the patronage of the University of Karachi. 4-year BBA launched in 2002. To meet the international standards, IBA changed the curricula of its bachelor programs after acquiring status of the degree awarding institute. The B.S. 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, IBA introduced a series of B.S. programs, including B.S. Economics and Mathematics, B.S. Social Sciences and Liberal Arts and B.S. Accounting and Finance in 2012 and 2013. IBA has also introduced the B.S. 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 M.S. degree is an untagged degree as the name of the major is excluded from the degree title, whereas MBA is a tagged degree. Over the years the MBA program has evolved significantly aided by 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 M.S. Computer Science and M.S. 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. The M.S. programs on the other hand enable prospective applicants to enhance their long-term performance in the dynamic fields of Science and Economics. Aspirants of the graduate programs can expect a thoroughly transformational experience which will leave a lasting impact on their careers and professional intellect. Recently, IBA has launched M.S. Journalism, M.S. Islamic Banking and Finance and M.S. Management programs.

## Doctoral programs

The IBA launched its Ph.D. Computer Science program in the year 2005 and Ph.D. Economics and Ph.D. Mathematics in the year 2011. These three Ph.D. 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 has recently started four postgraduate diploma courses in:

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

These courses have been designed to develop an in-depth understanding of strategic, tactical, and operational challenges which skilled practitioners are likely to face. Each PGD spans 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 skill set 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**

Ph.D. (Electrical Engineering/Telecommunications),  
Columbia University, USA  
M.S. (Electrical Engineering), Columbia University, USA  
B.S. (Electrical Engineering), MIT, USA



**Dr. Huma Naz Siddiqui Baqai**

**Faculty of Business Administration**

Ph.D. (International Relations), University of Karachi  
M.A. (International Relations), University of Karachi  
B.A. University of Karachi

## Chairpersons

**Accounting and Law**



Haroon Tabraze

**Computer Science**



Dr. Shakeel Khoja

**Economics**



Dr. Heman Das  
Lohano

**Finance**



Dr. Ahmad Junaid

**Management**



Dr. Mohammad  
Kamran Mumtaz

**Marketing**



Dr. Wajid H. Rizvi

**Mathematical  
Sciences**



Dr. Hisham Bin  
Zubair

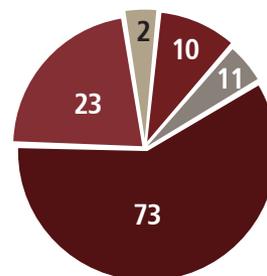
**Social Sciences  
and Liberal Arts**



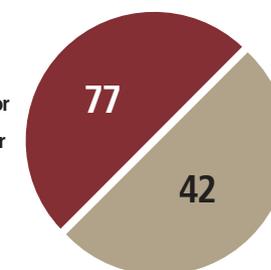
Dr. Faiza Mushtaq

## Full Time Faculty at a glance

Ph.D. (Foreign)	62
Ph.D. (Local)	15
Masters (Foreign)	24
Masters (Local)	18
<b>Total</b>	<b>119</b>
Pursuing Higher Education (Abroad)	19
Pursuing Higher Education (Local)	03



■ Professor  
■ Associate Professor  
■ Assistant Professor  
■ Lecturer  
■ Teaching Fellow



■ Ph.D.  
■ Masters

# The faculty



## Department of Accounting and Law

### Haroon Tabraze

Chairperson

Faculty Member

CA, Institute of Chartered Accountants of Pakistan

### Annie Ahmad

Lecturer

Masters (Economics), University of Karachi, Pakistan

### Mahreen Nazar

Assistant Professor

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

### Mohammad Asad Ilyas

Assistant Professor

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

### Mohammad Sohaib Saleem

Assistant Professor

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

### Mohsin Ali Patel

Assistant Professor

M.Phil. (Business Management), Institute of Business Management, Karachi, Pakistan

### Morial Shah

Lecturer (Study leave)

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

### Muhammad Azam Ali

Assistant Professor

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

### Syed Sharjeel Ahmed Hasnie

Assistant Professor

MSc (International Accounting), Anglia Ruskin University, UK

### Zahra Riaz Nakhoda

Lecturer

CA, Institute of Chartered Accountants of Pakistan

## Department of Computer Science

### Shakeel Ahmed Khoja

Chairperson

Professor

Ph.D. (Computer Science), (Post-Doc Fellowship), University of Southampton, UK

### Amber Gul Rashid

Assistant Professor

PhD (Business and Management), Salford University, UK

### Ameer H. Rizvi

Lecturer (Long Leave)

MBA (General Management), University of the East, Philippines

### Imran Khan

Assistant Professor

Ph.D. (Computer Science), Institute of Business Administration, Karachi, Pakistan

### Imran N. Junejo

Associate Professor

Ph.D. (Computer Science), School of Electrical Engineering and Computer Sciences, University of Central Florida, USA

### Imran Rauf

Assistant Professor

Ph.D. (Computer Science), Max Planck Institute for Computer Science, Germany

### Jibran Rashid

Assistant Professor

Ph.D. (Computer Science), University of Calgary, Canada

### Mohammad Shoaib Jamal

Assistant Professor

Ph.D. (Mathematics), University of California San Diego, USA

### Muhammad Waseem Arain

Assistant Professor

Ph.D.(Pursuing), Institute of Business Administration, Karachi, Pakistan (In progress)

### Nasir Touheed

Professor

Ph.D. (Computer Sciences), University of Leeds, UK

### Quratulain Nizamuddin Rajput

Assistant Professor

Ph.D. (Artificial Intelligence Lab), Institute of Business Administration, Karachi, Pakistan

### S. M. Faisal Iradat

Assistant Professor

Ph.D. (Computer Science), Institute of Business Administration, Karachi, Pakistan

### Sajjad Haider

Professor

Ph.D. (Information Technology), George Mason University, USA

### Sayed Ghani

Associate Professor

Ph.D. (Electrical Engineering/Telecommunications), Columbia University, USA

### Syed Irfan Nabi

Assistant Professor

Ph.D. (MIS), Institute of Business Administration Karachi, Pakistan

### Tariq Mahmood

Associate Professor

Ph.D. (Machine learning), University of Trento, Italy

### Zaheeruddin Asif

Assistant Professor

Ph.D. (MIS), Temple University, USA

## Department of Economics

### Heman Das Lohano

Chairperson

Professor

Ph.D. (Applied Economics), University of Minnesota, Twin Cities, USA

### Aadil Nakhoda

Assistant Professor

Ph.D. (International Economics), University of California, Santa Cruz, USA

### Abbas Ali Gillani

Assistant Professor

Ph.D. (Economics), University of Southampton, UK

### Adnan Haider

Associate Professor

Ph.D. (Economics), Pakistan Institute of Development Economics, Islamabad, Pakistan

### Amir Jahan Khan

Assistant Professor

Ph.D. (Economics), University of Warwick, UK

### Asma Hyder

Associate Professor

Post Doc., University of Pennsylvania, USA

### Ishrat Husain

Professor Emeritus, IBA

Ph.D. (Economics), Boston University, USA

### Khadija Malik Bari

Assistant Professor

Ph.D. (Development Finance), Strathclyde University, Glasgow, UK

### Lalarukh Ejaz

Assistant Professor

Ph.D. (Entrepreneurship), University of Southampton, UK (in progress)

### Mehwish Ghulam Ali

Lecturer (Study leave)

Ph.D. (Economics and Marketing), RMIT University, Australia (in progress)

### Mohammed Nishat

Professor

Ph.D. (Economics), Auckland Business School, University of Auckland, New Zealand

### Naved Ahmad

Professor (Long leave)

Ph.D. (Economics), Northeastern University, Boston, USA

### Qaiser Munir

Professor

Ph.D. (Economics/Finance), University Malaysia Sabah (UMS), Malaysia

### Qazi Masood Ahmed

Professor

Ph.D. (Economics), University of Bath, UK

### Sarah Abdul Rahim

Teaching Fellow (Study leave)

M.S. Leading to PhD, Royal Holloway University of London, UK (In progress)

### Wali-Ullah

Associate Professor

Ph.D. (Economics), Tohoku University, Sendai, Japan

## Department of Finance

### Ahmad Junaid

Chairperson

Assistant Professor

Ph.D. (Financial Engineering), IAE AIX Graduate School of Management, ESSEC Paris, France

### Hilal Anwar Butt

Assistant Professor

Ph.D. (Economics), Hanken School of Economics, Finland

### Irum Saba

Assistant Professor

Ph.D. (Islamic Finance), INCEIF, Malaysia

### Mohammed Nishat

Professor

Ph.D. (Economics), Auckland Business School, University of Auckland, New Zealand

### Muhammad Saleem Umer

Professor of Practice

MBA (Finance), Institute of Business Administration, Karachi, Pakistan

### Nauman J. Amin

Assistant Professor

PhD (Finance), University of Birmingham, UK

### Sana Tauseef

Assistant Professor

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

### Saqib Sharif

Assistant Professor

Ph.D. (Finance), Massey University, New Zealand

### Tahira Maryam Jafferri

Lecturer

MBA (Finance), Institute of Business Administration, Karachi, Pakistan

## Department of Management

### Mohammad Kamran Mumtaz

Chairperson

Assistant Professor

Ph.D. (Operations Management), Lahore University of Management Sciences, Pakistan

### Abdullah Z. Sheikh

Associate Professor

Ph.D. (Human Resource Management) University of Nottingham, UK

### Ameer H. Rizvi

Lecturer (Long Leave)

MBA (General Management), University of the East, Philippines

### Amer Iqbal Awan

Assistant Professor

Ph.D. ESADE Business School Spain - IN PROGRESS

### Ashar Saleem

Assistant Professor

Ph.D. (Organization Theory and Strategy), Lahore University of Management Sciences, Pakistan

### Kanza Sohail

Lecturer

M.S. (Economics), Institute of Business Administration Karachi, Pakistan

### Leon Bernard Menezes

Professor of Practice

MBA (HRM), University of Hull, UK

### M. Shahid Qureshi

Associate Professor

Ph.D. (Entrepreneurial Marketing), Faculty of Business Administration, Technical University Berlin, Germany

### Muhammad Ayaz

Assistant Professor

Ph.D. (Management), Lahore University of Management Sciences, Pakistan

### Najam Akber Anjum

Assistant Professor

Ph.D. (Manufacturing Knowledge Management), Loughborough University, UK

### Nasir A. Afghan

Assistant Professor

Ph.D. (Managerial Effectiveness), University of Twente, Netherlands

### Nyla Aleem Ansari

Assistant Professor

Ph.D. (Performance Management), Grenoble Ecole de management, France

### Rameez Khalid

Assistant Professor

Ph.D. (Industrial Engineering-Project Management), Institute National Polytechnique de Toulouse, France

### Shahid Raza Mir

Assistant Professor

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**Imran Batada**

Director ICT and CICT

**Moeid Sultan**

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**Abdul Wajed Khan**

Controller of Examinations

**Malahat Awan**

Head of Corporate Relations and Communications  
Department

**Muhammad Anwar**

Chief Librarian and In-charge Research Data Center

**Dr. Amber Gul Rashid**

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**Maria Hassan**

Superintendent Girls' Hostel

**Muhammad Khurram Khalid**

Head of Internal Audit

**Dr. Mohammad Asad Ilyas**

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**Mashooque Ali Bhatti**

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**Shams-uz-Zoha Jafri**

General Manager (Corporate Affairs)

**Jami Moiz**

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# Program Directors, Coordinators and Counselors

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Director, Centre for Excellence in Islamic Finance (CEIF)

**Dr. Moiz Hasan**

Coordinator, Foreign Languages Program (FLP)

**Jami Moiz**

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**Ayesha Anas Iftikhar**

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**Dr. Muhammad Ayaz**

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**Kamal Haq Siddiqui**

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**Dr. Ahmad Junaid**

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**Dr. Qaiser Munir**

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**Maria Hassan Siddiqui**

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**Dr. Irum Saba**

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**Dr. S.M. Faisal Iradat**

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**Syed Sharjeel A. Hasnie**

Director, Program offices

**Dr. Junaid Alam Khan**

Director, Talent Hunt Programs

**Dr. Syed Irfan Nabi**

Academic Director, PGD Project Management

# 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 IBA admissions applicants.
- No attempt will be made to fill all available seats or lower the admissions criteria if an insufficient number of candidates apply or an individual candidate fails to satisfy the criteria.
- The cut-off point for individual programs in the aptitude test will be decided by the admissions committee using rigorous methods based on statistical analysis.
- For all undergraduate programs, there will be an aptitude test. Candidates may choose their specializations after a minimum of two years of study at IBA for undergraduate, and one year for graduate programs.
- No distinction will be made in the fee structure between the main and city campuses.
- No qualified candidate will be refused admission on the basis of their inability to pay the IBA fee; these candidates will be encouraged to apply for financial assistance and ensure 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.

## IBA test exemptions

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

### BBA program – SAT I

- At least 600 out of 800 in Mathematics
- At least 600 out of 800 in evidence-based reading and writing
- Overall at least 1270 out of 1600 in above both components

### BSSS program – SAT I

- A score of 600 out of 800 in Mathematics
- A score of 600 out of 800 in evidence-based reading and writing

### BSAF program – SAT I

- At least 600 out of 800 in Mathematics
- At least 600 out of 800 in evidence-based reading and writing
- Overall at least 1270 out of 1600 in above both components

### 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

#### – SAT II

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

### BSECO Program – SAT

- A score of 600 out of 800 in Mathematics
- A score of 600 out of 800 in evidence-based reading and writing

# Admission policy and procedures

## 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

## MBA Executive

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

## MBA program

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

## M.S. programs

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

## Ph.D. programs

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

## Program-wise requirements for admission

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

## Minimum requirements for undergraduate programs

### BBA program

Higher secondary school certificate with a minimum of 65% marks.

or

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

or

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

### B.S. programs in Computer Science, Economics and Mathematics

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

or

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

or

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

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

Higher secondary school certificate with a minimum of 60% marks.

or

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

or

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

## Minimum requirements for graduate programs

### MBA, MBA (evening), and M.S. programs

A minimum of 16 years of education (culminating in a Master's degree or equivalent) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute\* with 2.50 CGPA or 60% in the last degree except for M.S. Journalism which requires 50% marks in the last degree. Work experience requirement is not mandatory for MBA program; however, candidates with work experience will be

preferred. Professional and Foreign degree holders, i.e. CA and ACCA, will be required to submit equivalence certificate from HEC.

### MBA Executive

A minimum of 16 years of education (culminating in Master's degree or equivalent) out of which 4 years should have been spent in a HEC recognized university/degree awarding institute\* with 2.50 CGPA or 60% in the last degree. Three years of post qualification experience is a must for MBA Executive.

\*All foreign/other degree holders must provide an equivalency certificate from HEC ([www.hec.gov.pk](http://www.hec.gov.pk)).

## Minimum requirements for Ph.D. programs

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

or

A minimum of 3.00 CGPA on a scale of 4.00 in the last degree, provided alphanumeric grades of each subject are mentioned in the transcript/mark sheet. Ph.D. candidates will also have to fulfil more specific requirements laid out by the concerned departments.

\*All foreign/other degree holders must provide an equivalency certificate from HEC ([www.hec.gov.pk](http://www.hec.gov.pk)).

# 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 5years' experience in a hospital
- Other healthcare professionals with 16 years of formal education with a minimum of 2 years of work experience in a hospital

### Provision for professional degree holders and visiting students

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

### Equivalency claims

As a general rule, all equivalency claims shall be evaluated by the HEC ([www.hec.gov.pk](http://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 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.

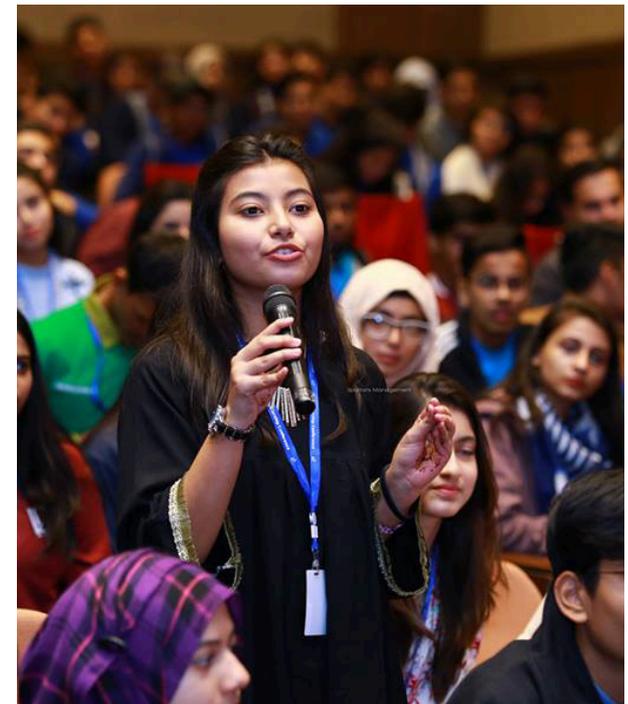
## Experience requirement for MBA Executive

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.pki>. 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

The names of candidates who qualify the aptitude test and are eligible to participate in 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

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 the 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 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 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.

## 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) and the American Society for Quality (ASQ). 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.

# Rules and regulations

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. All students of the IBA are allowed 25% absences which 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 table

Semester type	Duration of session	Total sessions	Allowed absences
Spring or fall	75 or 90 minutes	28	7
Spring or fall	150 or 180 minutes	14	3
Spring, summer, fall	180 minutes	12 MBA-Executive only	3
Summer	120 minutes	21	5
Winter	180 minutes	12	3

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. Attendance of classes on the first and last day of the semester is compulsory 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 Programs 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 a 6th 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 a 6th course in their 7th or 8th semester.

There is no minimum CGPA requirement in aforementioned cases and students may enroll in their 6th 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.



# Rules and regulations

## 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
B.S. (Accounting and Finance)	15	15	15	15	16	15	15	15
B.S. (Computer Science)	17	16	17	17	16	16	15	12
B.S. (Economics and Mathematics)	15	15	16	15	17	16	19	15
B.S. (Economics)	15	15	15	15	16	16	19	15
B.S. (Social Sciences and Liberal Arts)	15	15	16	16	16	16	16	18

## 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
M.S. (Mathematics)	12	3*	*3 credits for removal of deficiency
M.S. (Computer Science)	9	3-6	Part time students may take a maximum of 9 units in a regular semester
M.S. (Economics) – full time	12 to 15	3 to 6	Up to 18 credits if doing M.S. Thesis
M.S. (Islamic Banking and Finance)	12	3 to 6	-
M.S. (Management)	12	3 to 6	-
M.S. (Journalism)	15	3 to 6	-
Ph.D. (Mathematics)	9	-	-
Ph.D. (Economics)	9 to 12*	-	*12 credits is maximum
Ph.D. (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 M.S. 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 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. Makeup exam fee of Rs.10,000 per course shall also be applicable.

# Rules and regulations

of 15% of obtained marks. Makeup exam fee of Rs.10,000 per course shall also be applicable.

## ii. Part time MBA/MBA Executive/M.S. program students

Evening MBA, M.S. 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.

### Decision of a make-up exam

The Academic Committee 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 above mentioned 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. 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.



# Rules and regulations

## 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	4.00
	A-	87-92	3.67
B	B+	82-86	3.33
	B	77-81	3.00
	B-	72-76	2.67
C	C+	68-71	2.33
	C	64-67	2.00
	C-	60-63	1.67
F	F	0-59	0.00
I	I	Incomplete	
W	W	Course withdrawn	

$CGPA = \frac{\text{Sum of (credit hours x grade points)}}{\text{sum of credit hours}}$

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 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.



# Rules and regulations

## 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 full time students 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:

- The Cumulative Grade Points Average (CGPA) must be greater than or equal to 3.5.
- There must be no C- or lower grades in any of the courses during the semester.
- The student must have completed the normal course load for their particular semester. Undergraduate students in their last semester with 3 or less courses are required to take 4 or more courses in order to be eligible for Dean's list provided all other criteria are met.
- 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.

- The student must be deemed by the Dean's List Committee (Associate Deans and Executive Director) to be worthy of being on the Dean's list.

## Award of medals or shields for best student

The top student of each program qualifying 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 above mentioned 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

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 is dropped from the rolls of the institute forthwith.

If in any regular semester a student's CGPA falls between 2.00-2.19, they would be issued a warning letter and put on probation in the next semester in which they are registered. They would be required to bring their CGPA up to the desired point i.e., 2.20. 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.

If a probationer shows an improvement, but his CGPA is still below 2.20, then their probation may be extended for another semester. If they still fail to bring the CGPA to 2.20 by the end of the next semester of studies, their name shall be dropped from the rolls of the institute.

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.

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

GPA requirement for an award of BBA/B.S./M.S./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 other applicable partial degree requirements. Otherwise such a student shall be issued transcript of credits earned.

The time period to remove the deficiency and to bring CGPA to a minimum 2.20 is one year.

# Rules and regulations

## GPA requirement for an award of Ph.D. degree

If the CGPA of a scholar upon completion of coursework is less than 2.80, will be dropped from the program. The transcript will be issued for the courses taken.

## 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

Electives are not offered in summer semester. 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 graduating (MBA/MBA Executive) student is required to pass the MBA comprehensive examination on the completion of their course work. This 4-hour examination is held after every regular semester (January and August). MBA students admitted in fall 2010 and onwards are allowed a maximum of three attempts to pass the comprehensive examination within their enrollment period after completion of their coursework. Students, who fail to pass comprehensive examination, are eligible for individual course certificates only. A student is eligible for a transcript/degree only after passing the comprehensive examination. However, they may obtain a provisional certificate on completion of the course requirement.

Every Ph.D. scholar is required to pass Ph.D. comprehensive exam (maximum 2 attempts are allowed) after completion of coursework. This exam comprises of sub-exams on different subjects studied during the coursework as described below:

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

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

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

## 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.

## Cancellation of enrollment

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

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

Academic documents issued by the IBA shall have the name in full form as mentioned in the matriculation certificate/O' Levels certificate or 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.

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

# Rules and regulations

## Time-bar rule

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

Program	Enrollment period
<b>Undergraduate Programs</b>	
BBA/BSCS/BSAF/BSEM/BSECO/BSSSLA	7 years
MBA Morning	5 years
MBA Evening/MBA Executive	7 years
All M.S. programs	5 years
Ph.D.	8 years
PGD*	3.5 years

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). M.S./PhD students are also required to submit a copy of their research-survey/thesis to the library and obtain clearance from the library.

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.

**Institute of Business Administration, Karachi**  
**TRANSCRIPT OF CREDIT**  
Bachelor of Business Administration

Enrollment No: \_\_\_\_\_ Student ID: \_\_\_\_\_  
Student Name: \_\_\_\_\_ Program: BBA  
Father's Name: \_\_\_\_\_ Date of Admission: Fall 2012  
Date of Completion: Spring 2016

YEAR 2012 - 2013											
SEM	CR	GP	GRADE	MARKS	COURSE	DESCRIPTION	SEM	CR	GP	GRADE	MARKS
Fall 2012	1	2.00	A	80.00	MG101	MANAGEMENT PRINCIPLES	Spring 2013	1	2.00	A	80.00
Spring 2013	2	2.00	A	80.00	MG102	INTRODUCTION TO STATISTICS	Fall 2013	1	2.00	A	80.00
Fall 2013	3	2.00	A	80.00	MG103	INTERNATIONAL BUSINESS COMMUNICATION	Spring 2014	2	2.00	A	80.00
Spring 2014	4	2.00	A	80.00	MG104	FINANCIAL ACCOUNTING	Fall 2014	3	2.00	A	80.00
Fall 2014	5	2.00	A	80.00	MG105	OPERATIONS MANAGEMENT	Spring 2015	4	2.00	A	80.00
Spring 2015	6	2.00	A	80.00	MG106	PRINCIPLES OF MARKETING	Fall 2015	5	2.00	A	80.00
Fall 2015	7	2.00	A	80.00	MG107	LEGAL ASPECTS OF BUSINESS	Spring 2016	6	2.00	A	80.00
Spring 2016	8	2.00	A	80.00	MG108	PROJECT					
Year Percentage: 78.83											
YEAR 2013 - 2014											
Fall 2013	1	2.00	A	80.00	MG109	MANAGEMENT INFORMATION SYSTEMS	Spring 2014	2	2.00	A	80.00
Spring 2014	2	2.00	A	80.00	MG110	INTERNATIONAL BUSINESS COMMUNICATION	Fall 2014	3	2.00	A	80.00
Fall 2014	3	2.00	A	80.00	MG111	FINANCIAL ACCOUNTING	Spring 2015	4	2.00	A	80.00
Spring 2015	4	2.00	A	80.00	MG112	OPERATIONS MANAGEMENT	Fall 2015	5	2.00	A	80.00
Fall 2015	5	2.00	A	80.00	MG113	PRINCIPLES OF MARKETING	Spring 2016	6	2.00	A	80.00
Spring 2016	6	2.00	A	80.00	MG114	LEGAL ASPECTS OF BUSINESS					
Year Percentage: 78.83											
YEAR 2014 - 2015											
Fall 2014	1	2.00	A	80.00	MG115	MANAGEMENT INFORMATION SYSTEMS	Spring 2015	2	2.00	A	80.00
Spring 2015	2	2.00	A	80.00	MG116	INTERNATIONAL BUSINESS COMMUNICATION	Fall 2015	3	2.00	A	80.00
Fall 2015	3	2.00	A	80.00	MG117	FINANCIAL ACCOUNTING	Spring 2016	4	2.00	A	80.00
Spring 2016	4	2.00	A	80.00	MG118	OPERATIONS MANAGEMENT					
Year Percentage: 78.83											
YEAR 2015 - 2016											
Fall 2015	1	2.00	A	80.00	MG119	MANAGEMENT INFORMATION SYSTEMS	Spring 2016	2	2.00	A	80.00
Spring 2016	2	2.00	A	80.00	MG120	INTERNATIONAL BUSINESS COMMUNICATION					
Year Percentage: 78.83											
Cumulative GPA: 3.01											
Cumulative Percentage: 78.83											

Date: \_\_\_\_\_ Controller of Examinations Director

The Institute of Business Administration, Karachi, was granted a degree awarding status by the Provincial Assembly of Sindh on the 10th day of December, 1994 (Sindh Act No. XX of 1994)

## Degree

As per HEC guidelines, in order to graduate, students at 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.

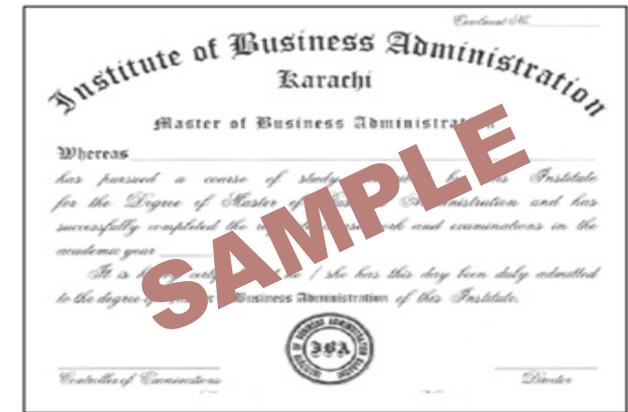
## Degree fee

For Ph.D. 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



# Fee structure

## Morning programs

Particulars	BBA and MBA	B.S. (Accounting and Finance)	B.S. (Computer Science, Economics, Economics and Mathematics, Social Sciences and Liberal Arts)	M.S. (Economics, Mathematics, Computer Science, Journalism, Management)
Tuition fees	225,000	225,000	187,000	110,000
Student activity charges	4,500	4,500	4,500	4,500
Lab cum library charges	4,500	4,500	4,500	4,500
Examination charges	1,500	1,500	1,500	1,500
Development charges	2,000	2,000	2,000	2,000
<b>Total recurring charges</b>	<b>237,500</b>	<b>237,500</b>	<b>199,500</b>	<b>122,500</b>
	Additional course fee Rs. 37,500/-	Additional course fee - Rs. 37,500/-	Additional course fee - Rs. 37,500/-	Additional course fee - Rs. 27,500/-

Note: Classes in M.S. Economics are scheduled in evenings (6:00-9:00 pm) on weekdays or any time (between 9:00 am - 9:00 pm) on Saturdays.

## Evening programs

Particulars	M.S. (Economics, CS, IT and Mathematics, Islamic Finance) MBA (evening)		One-time charges (At the time of admission)	
	Tuition fees	Total fee (including lab, exam and development charges)		
One course	Rs. 37,500	Rs: 45,500	Admission charges	Rs. 25,000/-
Two courses	Rs. 75,000	Rs: 83,000	Transcript fee	Rs. 2,500/-
Three courses	Rs. 112,500	Rs: 120,500	<b>Total one-time charges</b>	<b>Rs. 27,500/-</b>
Four courses	Rs. 150,000	Rs: 158,000		
Lab cum lib. charges	Rs. 4,500			
Examination charges	Rs. 1,500			
Development charges	Rs. 2,000			
			<b>MBA Executive</b>	
			Tuition fee	Pak rupee
			Per course charge	Rs 37,500 /-

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. 60,000/-

### 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
- All regular (Morning) students shall be liable to pay fixed fee for the semester; maximum cut off for fixed fee is 4 courses or more

For any further information you may contact Syed Jehanzeb (Finance department) at 021-111 422 422 Ext. 2320

# Financial assistance program

Financial assistance 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 2018-19, as many as 844 students (approximately 30% of the full-time regular student body) received financial assistance of Rs. 269 million in the form of need-based scholarships, Talent

Hunt Program and work-study schemes.

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

## 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 some such funds are used to provide financial assistance for students. For more details, consult the revenue section at on the following extensions: 2319, 2320 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/financial_assistance.php)

[http://iba.edu.pk/lhsan\\_Trust\\_Financial\\_Assistance\\_Program.php](http://iba.edu.pk/lhsan_Trust_Financial_Assistance_Program.php)



# Life at Institute of Business Administration



# 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 Defense 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 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 amphitheater.

The city campus is at the heart of the business district of Karachi. It consists of the 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 Finance Research (CBFR) and Center 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 two hostel blocks are under construction which will provide an additional accommodation of 240 students on a single-room basis. 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.



# Life at IBA

## Information and Communication Technology (ICT) infrastructure and services

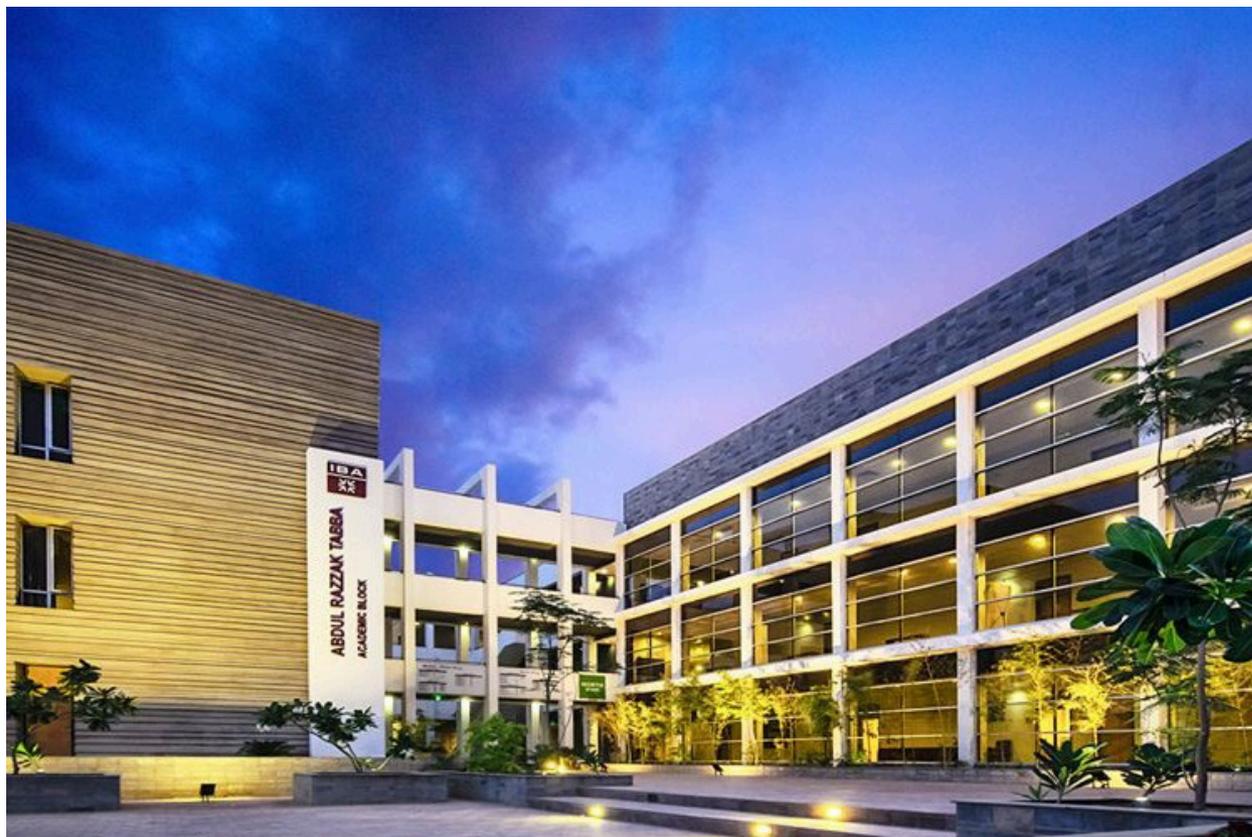
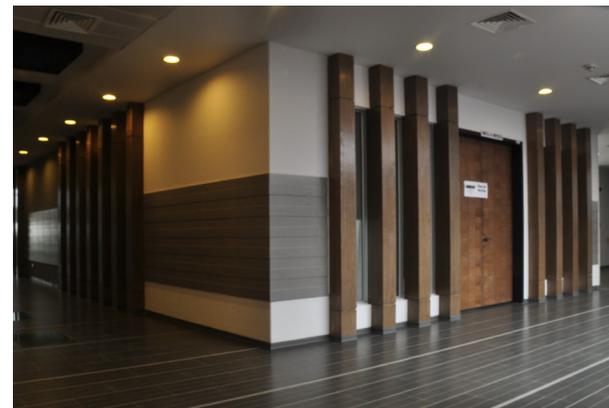
The Information and Communication Technology department provides ICT services to both the campuses – main and city – hostels and staff town, serving a total of around 4,000 users on-and-off campus including a sizeable number of alumni. The principal aim of the ICT department is to bring state-of-the-art 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.
- 471 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 General Ledger and HRMS for supporting faculty, finance and human resources and general administrative matters.
- Faculty presentation system which provides for evaluation and hiring of new faculty.



# Life at IBA

## 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 student and faculty on working days.

## Library

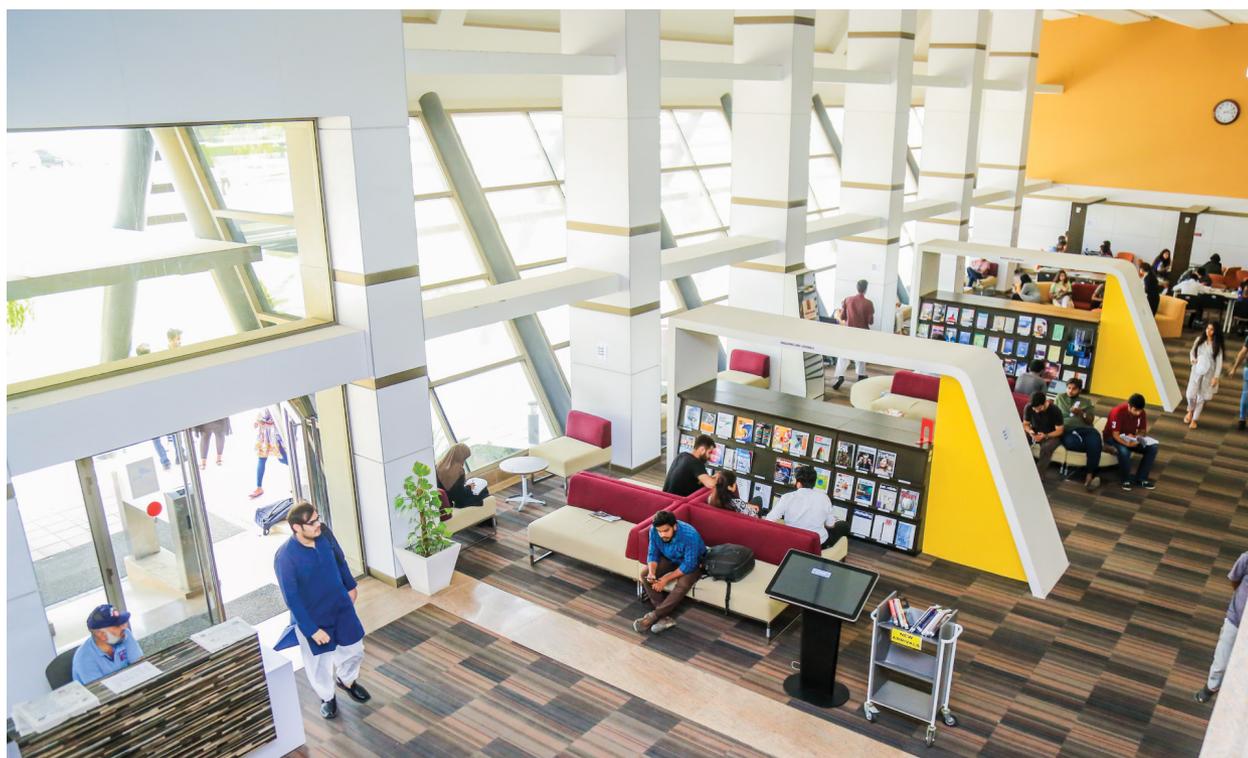
Library supports teaching, learning and research at the institute by acquiring relevant resources and proactively offering new services pivotal to foster learning. The library system consists of two libraries, one at each campus. Library regularly updates its collections with latest learning materials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

Library facilities at both the campuses provide a stimulating learning environment. The library spaces and facilities have been designed keeping in view contemporary learning styles. The

featured learning spaces include collaborative learning spaces, individual study spaces, multimedia facility, research nooks, laptop friendly spaces, leisure study spaces.

The library offers a rich collection of multi-disciplinary digital databases in full-text, comprising of e-books, e-journals, case studies and industry-related research analysis reports. The library has subscribed to more than 24 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, whereas around 2,000-3,000 new titles (on average) are procured yearly.

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



# Life at IBA

## Hostel

The IBA provides residential facilities for out-of-town full time IBA students. The hostel is spread over an area of 1.75 acres with lush green lawns and is a short walk from the IBA main campus. At present, 337 full time students are availing the facilities and residential resources provided by the hostel. The infrastructure comprises of 251 single rooms, 7 double rooms and 4 dormitories. Accommodation and allotment is done on a first-come first-serve basis. Currently, two blocks of residence with 200 additional rooms are under construction which will be operational by end of 2019.

The following facilities are immaculately maintained in line with the IBA's tradition of excellence at the boy's hostel: students are provided with comfortable rooms that are equipped with basic furniture; there are air-conditioned TV halls and common rooms for extra-curricular activities; food is prepared in a hygienic manner by the staff and is served at the Mess; there is an indoor sports and activity room; high speed internet and wi-fi connectivity is functional round the clock; strict security measures are kept in place to ensure the safety of the hostel residents; subsidized laundry support is available; periodic fumigation is conducted for building maintenance; and there is a mosque available within the compound.

## Girls hostel

The girls hostel at IBA is a secure campus facility valued by its residents for harmony in diversity. The hostel is located near the IBA campus and regular shuttle service to and from the campus is available on weekdays. Only IBA students are eligible to reside in the hostel and the room allotment is done on a first-come, first-serve basis. Currently, more than 100 residents are using the facility. The residents' security is a top priority for the institute and hence, the hostel is under the supervision of a female superintendent and a resident-warden. Trained guards have been deployed around the hostel boundary 24 hours a day, and the entrance and exit points are under constant CCTV surveillance.

The hostel experience can be summed up as a celebration of diversity that results in life-long bonds. The compound is a bustling place as residents indulge in several activities throughout the course of the day. These activities include

engaging in discussions during meals, noisy TV room banter amidst cricket fever and post-dinner badminton games. The hostel offers several facilities that cater to all the needs of the residents. First and foremost, Wi-Fi, is always available not just for leisure but also for studying. The reading room and the computer lab are also present to encourage research, discussions, assignments and group work. The mess is one of the most sought after space not only for delicious meals, but also for socializing. Moreover, fitness enthusiasts tend to spend considerable time in the mini-gym within the games room, whereas others enjoy a game of snooker or other indoor/outdoor sports.

Other hostel services include: rooms with basic furniture that are shared by two residents, air conditioned TV lounge and the reading room, a mess which has a dedicated staff to serve hygienic food, indoor sports activities, availability of hot and cold water, laundry room and services, periodic fumigation of buildings to maintain a healthy standard of living and open green spaces.

## Boys hostel

The IBA hostel life is a testimony to IBA's diversity and inclusivity. The student population which comes from all over Pakistan with different cultural, economic, social and religious backgrounds come together within the confines of the building to share a similar bond, which is their association with the prestigious institution. The IBA boys hostel provides an atmosphere where students can learn, and engage with each other in a comfortable setting. The residents of the hostel are encouraged to be like one big family, offering each other a helping hand wherever required so that the hostel becomes a home away from home. The hostel management makes tremendous efforts to provide hostelites a neat, clean and congenial environment to live. Exhibiting discipline and compassion for fellows, not just throughout the academic year, but also within the hostel is an attribute that is encouraged by the management. The hostel inculcates a sense of belonging within each student that resides in the hostel, enabling them to create memories that they come to cherish for several years. The hostel management also encourages the hostel residents to participate in numerous cultural and social activities that are organized by the Boys Hostel Society. Some of

these include: an annual welcome dinner for the hostel freshman batch, Eid-Milad un Nabi, Basant and Diwali celebrations, cricket and football tournaments, and an annual farewell dinner for the hostel graduating batch.

For further information:

Superintendent Boys Hostel – Jami Moiz - [jmoiz@iba.edu.pk](mailto:jmoiz@iba.edu.pk) [Ext. 2001]

Warden Boys Hostel - Mujahid Hussain - [mhussain@iba.edu.pk](mailto:mhussain@iba.edu.pk) [Ext. 2015]

Executive - Boys Hostel - Faizan Minhas - [fminhas@iba.edu.pk](mailto:fminhas@iba.edu.pk) [Ext. 2058]



# Talent Hunt Program

## Introduction

The Talent Hunt Program (THP) was launched at IBA in 2004. It selects students of HSSC parts I and II, who face financial challenges and belong to 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 B.S. degree programs. Students selected on merit are offered admissions at IBA and are provided up to 100% scholarship on tuition fees and other living expenses for the four-year long degree programs.

For further details, visit:

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

## Participation success

1,000 plus students have been facilitated so far due to the orientation training program at IBA Karachi, out of which more than 300 have successfully qualified for the admission process. Moreover, more than 250 students joined and continued studying on scholarship in BBA/B.S. degree programs out of which 102 students have graduated.

Those who failed to get into IBA, have obtained admissions into 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 2018 in 114 districts (covering 4 agencies of FATA, 20 districts of Baluchistan, 17 districts of KPK, 36 districts of Punjab, 9 districts of Azad Kashmir, 7 districts of Gilgit Baltistan, and 21 districts of Sindh) across Pakistan and conducted 302 career counselling, information and awareness sessions at colleges attended by approximately 44,895 students with the exclusive aim to diversify the students ratio in the program.



**Muhadisa Abbas**

Dera Ghazi Khan  
BBA (THP – Batch 2017-18)

Being an average student, I could never imagine myself studying at the IBA-NTHP program. Knowing my family's unfavourable financial situation, I decided to join this program. I gave the admission test and thanks to Allah, I got selected for IBA's BBA program. It has been a wonderful experience here at IBA. I am very thankful to the THP team, especially my sponsors for giving me a chance to fulfill my dreams.

Lastly, I would like to add that my achievement is not just mine, everyone including my family, teachers, mentors, and friends had a big share in it.



## Sponsors



**OGDCL PAKISTAN:**  
OIL & GAS DEVELOPMENT  
COMPANY LIMITED



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

# Professional development programs

## 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.

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 2-year thesis-based M.S. in Islamic Banking and Finance (M.S. IBF) degree program offered by IBA in collaboration with CEIF started in spring 2017 has evolved into a successful academic program. CEIF facilitates M.S. 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.

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. On the request of SECP, an online version of the program is ready to launch in the second quarter of 2019.

### 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 center 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. Procurement

## Family Managed Businesses

Since 2012, CEE hosted more than 130 workshops in various cities of Pakistan. These workshops and seminars were conducted by Prof. Parimal Merchant, Global Director Family Managed Business, S.P. Jain School of Global Management. CEE hosted programs for leading communities and associations including 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. Those who have successfully completed and possess 16 years' education in Pharmacy, Medical, Health or Biological Sciences, may get admission in the following M.Sc. programs in the University of Huddersfield, UK:

1. M.Sc. in Drug Discovery and Business Strategy
2. M.Sc. in Pharmaceutical Formulation and Business Strategy

## 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 five PGD programs are offered:

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

## Diploma programs

In 2017, CEE introduced four-month specialized diploma programs in different areas of specialized skills in different management functions. The objective of these programs is to prepare competent managers who are able to manage functions in different emerging areas of management. The four specialized diplomas offered are as under:

- Diploma in Accounting, Finance and Law
- Diploma in Family Managed Businesses
- Diploma in Strategic Marketing
- Diploma in Capital Markets (in collaboration with the Institute of Financial Markets of Pakistan)

## Aviation Management programs

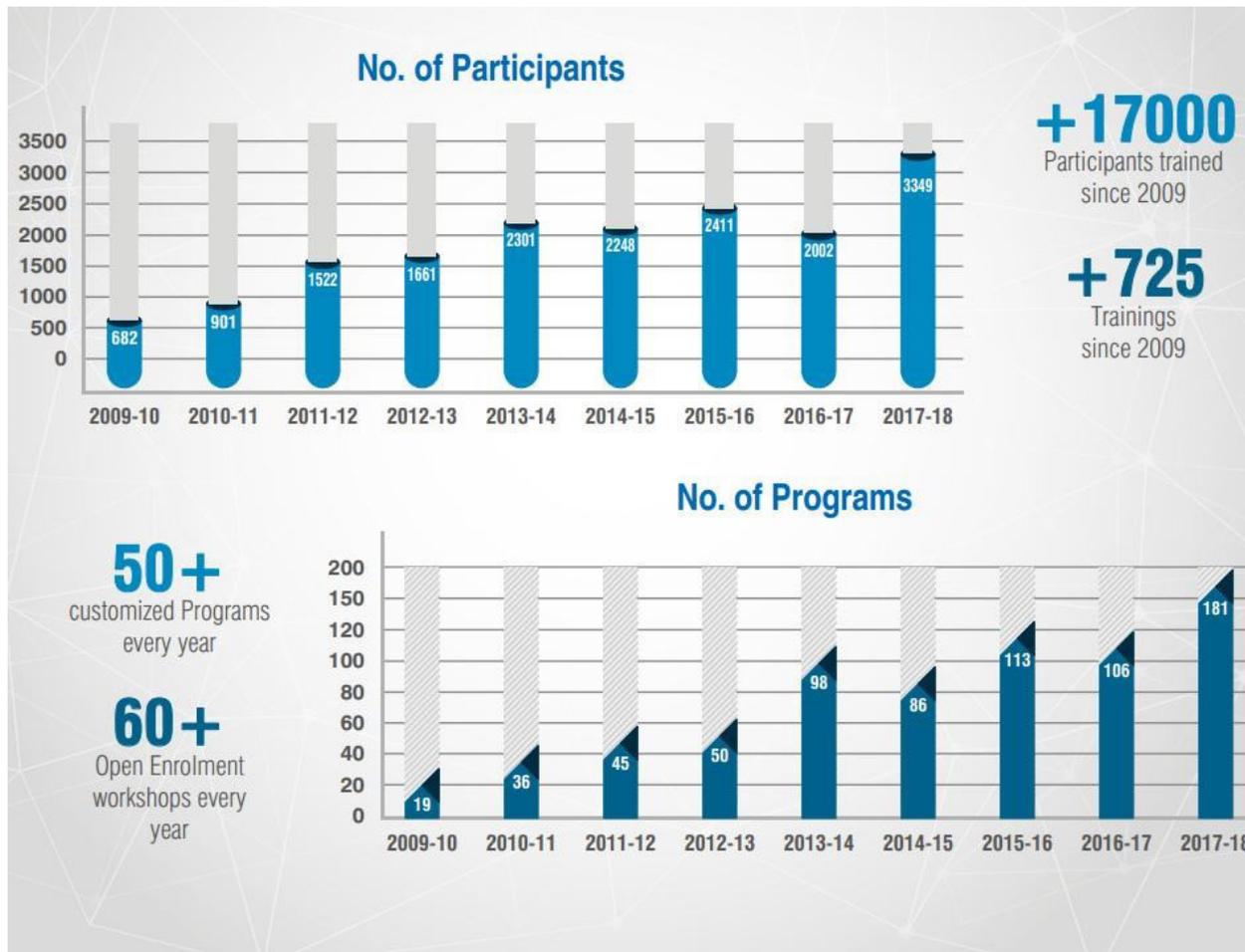
In October 2018, CEE launched a certificate program in International Aviation Management in collaboration with the world's leading aviation and aerospace institute, the Embry-Riddle Aeronautical University.

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.

# Professional development programs

The first program was conducted 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.

## Total participants trained



## 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 towards 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

- Analysis of Financial Statements
- Brain Training, Decision Science and Personality Assessment through Data Analysis
- Business Valuation using Microsoft Excel
- Customer Services
- Data Analysis and Presentation with MS Excel and PowerPoint (Basic to Advanced)
- ERP Financials
- Financial Law for Financial Managers
- Grammar for Professionals
- Human Resource Management in ERP Environment
- Interactive English
- Personal Management for Success
- Power BI in Microsoft Excel
- Power Pivot and Power Query in Microsoft Excel
- Power Talking
- Research Methodology and SPSS
- Selling Skills
- Successful Business Communication
- Supervisory Skills
- Time Management
- Writing and Presenting in English

# Professional development programs

## 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

CEE and KDSP signed a Memorandum of Understanding with the objective to develop certificate programs in Remedial Teaching for the following programs:

## 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 and Eli Lilly Pakistan.

## Certificate in EMI (English as a medium of instruction) skills

SDP of CEE has entered into an agreement with Cambridge Assessment English to provide a 'Certificate in EMI Skills (English

as a medium of instruction)' course. It is the approved Cambridge English Teacher Development (CETD) Course. The certificate in EMI skills is for university professors, lecturers, tutors and researchers whose first language is not English, but who use English to teach students, present academic papers and interact with colleagues.

## Summer school

The IBA Summer School concept is to develop and sustain a wide range of beneficial academic and skill-development courses and programs for a diverse population of students and adults, so as to provide them with an opportunity to develop and enhance their academic, professional, and personal experience.

## Centre for Excellence in Journalism (CEJ)

The Center 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 (ICJ), 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, ICJ 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 1200 journalists in a variety of subjects for print, broadcast and digital media.

Website: [www.cej.iba.edu.pk](http://www.cej.iba.edu.pk)  
Facebook: CEJ at IBA  
Twitter: @CEJatIBA  
email: [cej@iba.edu.pk](mailto:cej@iba.edu.pk)



# Professional development programs

## Center for Information and Communication Technology (CICT)

The IBA's Center for Information and Communication Technology (CICT) has been established in 2006 with the aim of providing computing facilities to staff, faculty, and students. It also develops plans with objectives and actions that help in achieving a highly competitive and technology-intensive environment for the Institute. Some of the services provided by the center include E-mail and Internet Service, IT Help Desk, video conferencing, and lecture recording.

### Diploma Programs of CICT

The focus of CICT primarily remains on innovations that could enhance the academic experience of students. It aims to enhance the technical knowledge of the students whilst also educating them in other relevant areas as well. 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 starting 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 the services for 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

### 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 the government sponsored Youth Skills Development Programs. The objective of these programs is not only to develop the much needed potential of youth to avail the 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 of such programs 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 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 in the CICT at IBA 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.



# Professional development programs

## Ardeshir 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'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 mandate of the AMAN-CED is to promote an entrepreneurial mindset among the Pakistani youth. The center conducts the programs described briefly below:

### Providing education in entrepreneurship

The AMAN-CED has been providing entrepreneurship education in Pakistan since 2010. It offers a well-known certificate program as well as many specialized programs for groups such as women, youth and engineers. Academic staff associated with the center also offers courses in BBA, MBA and MBA Executive degree programs.

### Offering incubation facilities

The AMAN-CED has an incubation program that helps entrepreneurs convert ideas into sustainable business models. In 2017-18, 187 jobs and 164 internships were created by incubatee ventures which accumulated annual revenues of approximately Rs. 80 million. The center also places great emphasis on social and agriculture entrepreneurship, and small family businesses.

### Conducting collaborative training throughout the country

In recent years, the AMAN-CED has conducted programs in partnership with other academic institutions. One such program, 'Invent', was conducted with 10 other partners across the country and focused on business plan competitions and training. Another collaborative program, the National Entrepreneurship Program (NEP), aims to spread entrepreneurship education across the country using selected academic partners. At present, the center is working with three such partners in Faisalabad, Gujranwala and Jamshoro/Hyderabad.

### Conducting research on Pakistani entrepreneurship

The AMAN-CED contributed to data gathering and analysis under the aegis of the Global Entrepreneurship Monitor (GEM)-Pakistan program from 2010 to 2014. Currently, research is being conducted on the application of effectual entrepreneurship concepts and the factors behind the entrepreneurial success of various Pakistani entrepreneurs. Some of these papers have been published and presented nationally and internationally.

### Writing case studies on Pakistani entrepreneurs

The AMAN-CED has a unit that prepares case studies on indigenous entrepreneurs. So far, more than 60 short and long case studies have been written for pedagogical uses in different programs. Some have been published in reputable journals including the *Asian Journal of Management Cases*.



# Student services

## Career Development Centre (CDC)

The Career Development Center (CDC) at IBA is dedicated to facilitate on-board students, graduating classes and alumni in the overall process of self-evaluation, creating awareness about career opportunities, conducting career assessment and guidance, assisting in career development and job search, increasing the employability of the IBA graduating students, developing strong and tangible linkages between employers and the IBA graduates, and support 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 B.S. 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: [elp.iba.edu.pk](http://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 find 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 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.



# Student services

## 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

CDC has initiated a forum titled *Corporate Connect* – a series of sessions on 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 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 prominent IBA alumni and industry experts for helping them out in their personal and professional development.

## 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 6,000 IBA students and graduates, send a request at <https://www.facebook.com/groups/ibacdc/>.

## Foreign languages program

The foreign languages program was launched in 2008 with the mission of advancing the global competencies of IBA graduates. The main aim of the program is to provide students with sufficient language proficiency to be able to perform rudimentary functions in a foreign language. For the SSLA students, however, the program provides a valuable complement to their Social Sciences portfolio and adds to their intellectual profile. The program currently includes four language choices: Mandarin Chinese, French, Arabic and German. IBA has signed MoUs with the Confucius Institute, Alliance Française de Karachi, Society for the Promotion of Arabic and the Goethe-Institute Pakistan respectively to offer these languages. There are two courses (Level I and II) offered for each language. The BBA and B.S. SSLA programs require students to pass Level I and II courses of their selected language for the completion of their degree. Moreover, BSEM, B.S. Economics, BSCS and BSAF students can also take Level I and Level II courses as Social Science electives.



## 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. These activities equip our students with management and leadership skills, enable them to represent and promote IBA at national and international events.

IBA encourages student participation in diverse co- and extra-curricular activities and the 21 active student societies and 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 seven-member ISC comprises of a Vice President, General Secretary, Treasurer and four 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.

Other than ISC, the students' societies and clubs are categorized in three distinct clusters, namely co-curricular activities cluster, extra-curricular activities cluster and service activities group. Co-curricular activities cluster includes Economic and Finance Club, Entrepreneurship Society, Human Resource Club, Computer Science Society, Leadership Club, Marketing Club, Mathematics and Astronomy Club, Accounting Club and Social Sciences Club. The extra-curricular activities cluster includes IBA's Arts and Photography Society, Sports Society, Dramatics Society, and Public Speaking and Music Society. The service activities group comprises of Alumni and Placement Society, Community Welfare Society, Girls' Hostel Society, Boys' Hostel Society, Go Green Society, Iqra Society and the ISC.

Office positions for student-led societies are also contested via formal elections. Students can opt for membership of these societies and nurture their various interests such as management, public speaking, various sports, adventure, photography, etc. These engagements allow them to build a holistic understanding of the real world.



## Co-curricular activities

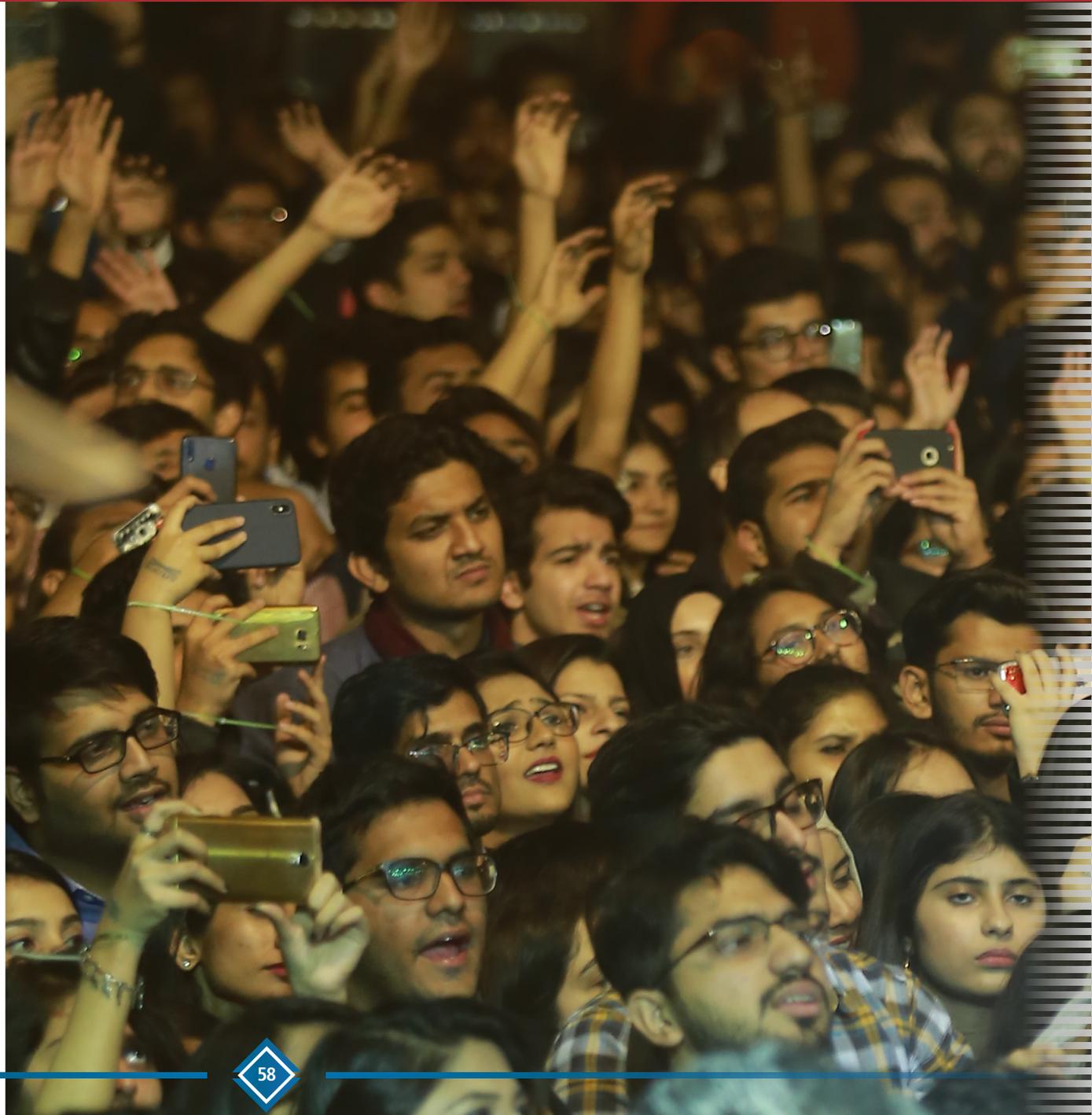
S.No.	Patron	Society/Club	Events conducted in 2018-19
1	Dr. Sana Tauseef and Tahira Marium	Economics and Finance Club	<ul style="list-style-type: none"> <li>Battle of Consultants</li> <li>Istockx 2.0</li> <li>Economics and Finance Club launch</li> <li>Trading Simulation Exercise</li> </ul>
2	Dr. Shahid Qureshi	Entrepreneurship Society	<ul style="list-style-type: none"> <li>Entrepreneurship Society launch</li> <li>Spark'17</li> <li>Alumni reunion</li> <li>National Outreach Program</li> </ul>
3	Ms. Nyla Aleem Ansari	Human Resource Club	<ul style="list-style-type: none"> <li>HR Club launch</li> </ul>
4	Imran Rauf	Computer Science Society	<ul style="list-style-type: none"> <li>Computer Science Society Launch</li> <li>CodeFest-2018</li> </ul>
5	Dr. Kamran Mumtaz	Leadership Club	<ul style="list-style-type: none"> <li>IBA Leadership Conference</li> </ul>
6	Jami Moiz	Marketing Club	<ul style="list-style-type: none"> <li>Marketing Club launch</li> <li>Branding and Advertisement Conference</li> <li>Guest speaker session on Disruptive Leadership</li> </ul>
7	Dr. Muhammad Sheraz	Mathematics and Astronomy Club	<ul style="list-style-type: none"> <li>Mathematika IV</li> <li>Seminar on Knots, Links and Braids</li> <li>Star gazing trip to cave city, Baluchistan</li> </ul>
8	Dr. Faiza Mushtaq	Social Sciences Club	<ul style="list-style-type: none"> <li>Conference on Social Sciences and Humanities (ICSSH 2018)</li> <li>Dhanak – Social Sciences Club launch</li> <li>Chaikhana</li> <li>Live screening of "No Time to Sleep"</li> <li>Panel discussion on Media Portrayals</li> </ul>
9	Mohsin Ali Patel	Accounting Club	<ul style="list-style-type: none"> <li>Accounting Club launch</li> </ul>
10	Kamal Siddiqi	Journalism Society	New Society
11	Dr. Irum Saba	Islamic Finance Society	New Society
12	Dr. Laila Farooq	Literary Society	New Society
13	Sumayyah Khurshid Khan	Arts and Photography Society	<ul style="list-style-type: none"> <li>Enigma 2019</li> </ul>
14	Dr. M. Asad Ilyas	Go Green Society	<ul style="list-style-type: none"> <li>Tree plantation drive at IBA staff town</li> <li>Tree plantation drive at Karachi Port Qasim</li> <li>Distributed 150 trees among IBA students, faculty and staff</li> </ul>
15	Dr. Danish Ali and Dr. Nida Aslam Khan	Sports Society	<ul style="list-style-type: none"> <li>Girls' Sports League</li> <li>IBA vs LUMS T20 Cricket Series</li> <li>Mixed Doubles Badminton Tournament</li> <li>Futsal Tournament</li> <li>IBA Cricket League</li> </ul>

# Co-curricular activities

S.No.	Patron	Society/Club	Events conducted in 2018-19
16	Dr. Junaid Alam	Dramatics Society	<ul style="list-style-type: none"> <li>Theatron- National Drama Festival</li> <li>IBA Fringe launch</li> <li>Fringe 2018</li> </ul>
17	Nadia Sayeed	Public Speaking Society	<ul style="list-style-type: none"> <li>Model United Nations Turkey 2018</li> <li>IBA Union Public Debate</li> <li>Model United Nations IBA Karachi X</li> </ul>
18	Rakae Jamil	Music Society	<ul style="list-style-type: none"> <li>IBA Music Olympiad</li> <li>Qawali Night</li> <li>Pepsi Battle of Band auditions</li> <li>Coke Studio session</li> <li>IBA Music Fest</li> <li>Session on folk music</li> </ul>
19	Dr. Nida Aslam Khan	Adventure Club	New Club
20	Jami Moiz	Alumni and Placement Society	<ul style="list-style-type: none"> <li>IBA Career Fair 2018</li> <li>IBA Corporate Engagement Event in Dubai</li> <li>IBA Alumni Reunion 2018</li> <li>IBA Alumni Annual Dinner 2019</li> </ul>
21	Dr. Najam Akber	Community Welfare society	<ul style="list-style-type: none"> <li>CWS Blood Drive</li> <li>Women Empowerment Session</li> <li>Visit to Syria</li> <li>Iftar Drive in Ramadan</li> <li>Enlite'19</li> </ul>
22	Maria Hasan	Girls' Hostel Society	<ul style="list-style-type: none"> <li>Spring graduating batch dinner</li> <li>Bonfire</li> <li>Hostel's welcome party</li> <li>Farewell party</li> <li>Graduating batch trip</li> </ul>
23	Jami Moiz	Boys' Hostel Society	<ul style="list-style-type: none"> <li>Milaad</li> <li>Diwali</li> <li>Welcome party</li> <li>Cricket tournament</li> </ul>
24	Dr. Irum Saba and Dr. Imran Khan	Iqra Character Building in Society	<ul style="list-style-type: none"> <li>Annual Islamic Conference</li> <li>Why So Deeni?</li> <li>Depression and anxiety</li> <li>Leadership skills of Prophet Muhammad (SAW)</li> <li>Time Management</li> <li>Tijarat Bootcamp</li> <li>Lughatum Baleegha</li> </ul>
25	Dr. Nida Aslam Khan	IBA Students Council	<ul style="list-style-type: none"> <li>Oath taking ceremony for the students' council and societies</li> <li>ISC Welcome 2018</li> <li>ISC Beach Bash 2019</li> <li>ISC Graduation Week 2019</li> <li>ISC Farewell 2019</li> </ul>



# Activities studio



# Activities studio



# Highlights for the year 2018

## World Islamic Finance Forum (WIFF) 2018

March 19-20, 2018: IBA-CEIF organized the World Islamic Finance Forum (WIFF) 2018, the theme of which was Expanding Islamic Finance Footprint: Innovation, Fintech and Regulation in collaboration with the Lahore University of Management Sciences and INCEIF: The Global University of Islamic Finance. WIFF is an attempt to bridge the gap between academia and industry through facilitating focused research that can be put to practice. It was attended by over 500 delegates. Dr. Miftah Ismail inaugurated the conference. Deputy Governor State Bank of Pakistan, Mr. Jameel Ahmad, Mufti Taqi Usmani, Executive Director IBA, Dr. Farrukh Iqbal and Former Dean and Director IBA and Chairman IBA CEIF, Dr. Ishrat Husain and Chairman Accounting and Auditing Organization for Islamic Financial Institutions (AAOIFI) Board of Trustees Shaikh Khalifa Ebrahim were also keynote speakers at the inaugural session. This academic-cum-industry conference saw delegates from 15 global and 13 local institutions, where represented countries included Malaysia, Bahrain, KSA, Turkey, USA, UK, Bosnia, Indonesia and Germany.



## Summer Entrepreneurship Camp (SEC) 2018

June 25 - 27, 2018: Continuing its legacy of conducting summer camps for three consecutive years, AMAN-CED conducted a Summer Entrepreneurship Camp (SEC) for kids and teens. The SEC comprised of interactive, hands-on and fun-filled activities for school going children becoming an avenue for students who sought to get an understanding of practical as well as textbook learning. IBA SEC aimed to facilitate the children to find out their true entrepreneurial potential and enhance their innate skills, creativity, passion and in-house resources to pursue a meaningful goal in life. The program also focused on character building and community based exercises to develop a mind-set of service and contribution towards Pakistan.

## Razia Bhatti Room inauguration

July 19, 2018: CEJ-IBA in collaboration with the Razia Bhatti Memorial Initiative Committee inaugurated the Razia Bhatti Seminar Room. The lecture hall, located at the CEJ campus, has been dedicated to the memory of the late Razia Bhatti, a veteran journalist who launched Newline magazine in 1989 after years of working at the Herald monthly magazine.



## International Entrepreneurship Summer School (IESS) 2018

August 6-26, 2018: IBA AMAN-CED organized the third edition of International Entrepreneurship Summer School (IESS) at IBA, Karachi. The 20-day program was designed to impart a taste of entrepreneurship from a South Asian perspective, while allowing

the participants to immerse themselves in the cultural richness of Pakistan through workshops, lectures, cultural events, recreational activities, and exploring the beautiful landscapes of the country.

IESS hosted over 60 students this year, out of which the international students belonged to Germany, Mexico, Switzerland, Sudan and UAE. The program was attended by the presence of various national guest speakers from different universities of Pakistan. Other esteemed faculty flew from Thailand, Canada, South Korea, Australia and Germany. They provided the participants an opportunity to develop effectual skills and experience needed to raise a start-up from local to an international level. Over the course of the program, participants were given academic and guest speaker sessions on entrepreneurial training.

## Paperless fee installment system

August, 2018: The IBA in collaboration with Meezan Bank launched a paperless fee installment system. This is a two-phase process; first the agreement on the terms of installment and the second process is the "direct debit collection process" facilitated through Meezan Bank. This will help IBA in running its process efficiently and facilitate students to apply and pay for fees electronically from the comfort of their homes.

## Workshops conducted for entrepreneurial education

September, 2018: IBA AMAN-CED and United Nations Development Program (UNDP) collaborated for the implementation of the Youth Employment Project (YEP) in Karachi. The beneficiaries included 500 participants from Karachi who had minimal technical skills.

IBA AMAN-CED completed the classroom training and mentoring of these beneficiaries from September 2018 till February 2019.

The effectual entrepreneurship which advocates for making use of minimal available resources for small businesses was the underlying anchoring theory for YEP. The training modules consisted of class lectures, hands on exercises, videos and guest speakers from the industry. Moreover, under the banner of Training of Trainers (ToT), 50 faculty members from vocational institutes were also trained in September, 2018.

About 75 percent of the participants had started earning money, ranging from Rs. 5,000 to Rs. 70,000, during the course of the training.

# Highlights for the year 2018

## DLS on India-Pakistan Nuclear Conflicts and U.S. Crisis Management

September 14, 2018: The IBA organized a lecture on nuclear crisis management in South Asia by Associate Vice President of the Asia Center, United States Institute of Peace Dr. Moeed Yusuf. The event was attended by the IBA faculty, staff and students. Associate Dean, IBA, Dr. Huma Baqai moderated the event. Panelists included renowned scholar Dr. Yusuf, former Secretary Defence Lieutenant General (retd.) Tariq Ghazi and former Chairman Pakistan Nuclear Regulatory Authority, Mr. Jamshed Hashmi. Dr. Yusuf's book titled *Brokering Peace in Nuclear Environments: U.S. Crisis Management in South Asia*, introduced at the event gave an insight of the critical role that the U.S. plays in managing the South Asian crises. He highlighted the risks of the India-Pakistan nuclear conflict and said that third parties intervene to de-escalate the chances of a nuclear war, and even though this involvement is suboptimal, it is still effective in reducing the chances of a nuclear war in certain regions.

## IBA-CICT and E-commerce gateway signs MoU for 19th ITCN Asia 2019

September 26, 2018: Director IBA-CICT Mr. Imran Batada signed MoU with Vice President E-commerce Gateway Pakistan, Mr. Umair Nizam to retain IBA's status of knowledge partner to ITCN Asia 2019. The signing of MoU was carried out at the 18th ITCN Asia 2018 held on September 26, 2018 at Expo Center Karachi.



## Awareness seminar by DG NAB against corruption and accountability

October 2, 2018: Director General NAB Karachi, Mr. Altaf Bawany visited IBA to conduct an awareness session against corruption and accountability. The session targeted towards

business students, to educate and inform them to maintain transparency in the organizations, as mechanisms have been created to detect and take action against those who indulge in unethical and unlawful activities.



## Launch of the IBA Job Portal

October 10, 2018: The first ever IBA Job Portal was launched on October 10, 2018 built by the IBA-ICT Department, Career Development Center and Alumni Affairs department. This online job portal has been developed keeping in mind the growing needs of better internship, job search strategies and digital recruitment activities. This portal aims at helping alumni and students to create and review their profiles and find jobs/internships. The initial target is not only to help alumni of IBA get better job opportunities but also to assist employers across the corporate sector to hire best resources produced by the institution.

## Humanitarian Reporting Awards 2018

October 16, 2018: Awards were conferred to six top journalists for their outstanding contributions in humanitarian reporting at



the 2nd Humanitarian Reporting Awards 2018 jointly organized by the CEJ-IBA and the International Committee of the Red Cross. The awards were given in three categories: mainstream broadcast (Urdu), mainstream print and online (Urdu) and mainstream print and online (English) for news stories published between November 2017 to September 2018.

## IBA-CEIF signs MoU with Securities and Exchange Commission Pakistan

November 23, 2018: The SECP signed a MoU with three Centers of Excellence in Islamic Finance (CEIFs), i.e., Lahore University of Management and Sciences, Institute of Business Administration, Karachi and IMS at the Securities and Exchange Commission Karachi Pakistan head office to join forces for the promotion and development of Islamic capital markets. The three CEIFs agreed to extend their efforts by joining forces with the SECP to achieve growth and development of Islamic capital markets and shaping the future of Islamic financial services through creating awareness among the public.



## Karachi Urban Lab Dialogue on Water Scarcity

November 23, 2018: The Karachi Urban Lab, an initiative housed within SSLA, collaborated with the Hisaar Foundation to organize a panel discussion on the complex historical, geographical and institutional dynamics that have shaped Pakistan's current state of water scarcity, the kinds of policies and pragmatic solutions that are viable for surmounting the challenge, and what should be a collective 'water vision' as we go forward. Panelists included Dr. Hassan Abbas, an eminent hydrologist, who spoke about the historical engineering of the Indus River Basin, its significance to water supply, distribution and management, and the current policy focus on building dams; Sanaa Baxamoosa, an environmental practitioner, who discussed the importance of water conservation; Dr. Noman Ahmed, an urban planner, who discussed the reasons that have

# Highlights for the year 2018

triggered Karachi's water supply challenges and what is required to surmount them; and Faisal Hassan, an award winning agriculturalist/farmer from Punjab, who discussed the relationship between agricultural farming, water and climate change. The well-attended event was moderated by Afia Salaam and generated an informative, interactive discussion with the audience on water-related issues.

## IBA organizes the 6th International Karachi Conference

November 9-11, 2018: The 6th International Karachi Conference was organized by the Karachi Conference Foundation with support from IBA at the JS Auditorium, IBA city campus. The conference started with a film festival showcasing the best of student and independent short films on diverse aspects of the city. The three-day conference featured discussions on traffic and densification, water and sanitation, public health, governance, education and the cultural history of the city. The conference was open to the general public.



## Largest batch of students graduate at Convocation 2018

December 1, 2018: The Institute of Business Administration (IBA), Karachi held its annual convocation 2018 at the main campus to confer degrees to 926 graduates. The graduating batch included 664 undergraduate students from six programs, 261 post-graduate students from eight programs, and one Ph.D. scholar. It was the largest graduating batch in 63 years of the institute's history.

The chief guest of the ceremony was Advisor to the Prime Minister on Institutional Reforms and Austerity, Dr. Ishrat Husain. The Executive Director, IBA Karachi, Dr. Farrukh Iqbal congratulated all the graduating students and their families.

The convocation proceeded by the chief guest and ED conferring degrees to the students. The position holders were presented cash prizes, medals, shields and certificates of merit.



## Tree plantation drive

December 4, 2018: A tree plantation drive was carried out at the IBA main campus. The primary aim of the drive was "to go green" and improve environment concerns and reduce global warming effects by planting more trees at IBA and its immediate surroundings, and contributing to the betterment of society at large.

## IBA, Karachi hosts the first Afkar-e-Taza ThinkFest

December 8, 2018: IBA collaborated with the ITU Centre for Governance and Policy in Lahore to hold the first Afkar-e-Taza ThinkFest IBA at the city campus. The full-day event was free and open to the public, and included an exciting lineup of eminent international as well as local researchers, academics, thinkers, journalists, and authors. Panel discussions and lectures covered topics like Pakistan's economic challenges, urban issues, threats to the media, railways under the British Raj, women's



activism, peace in Afghanistan, the origins of Al-Qaeda, the history of opium and celebrating the legacy of Fehmida Riaz, among others. Executive Director, IBA, Dr. Farrukh Iqbal, and former Dean and Director, Dr. Ishrat Husain, were included among the list of speakers alongside world-renowned authors like Joseph Massad and Hanif Kureishi and well-known Pakistani experts like Najam Sethi, Zarrar Khuhro and Marvi Mazhar. SSLA faculty was well-represented on the program, including Dr. Faiza Mushtaq, Dr. Huma Baqai, Dr. Ali Gibran Siddiqui, Ms. Palvashay Sethi, Dr. Akbar Zaidi and Ms. Aliya Iqbal Naqvi.

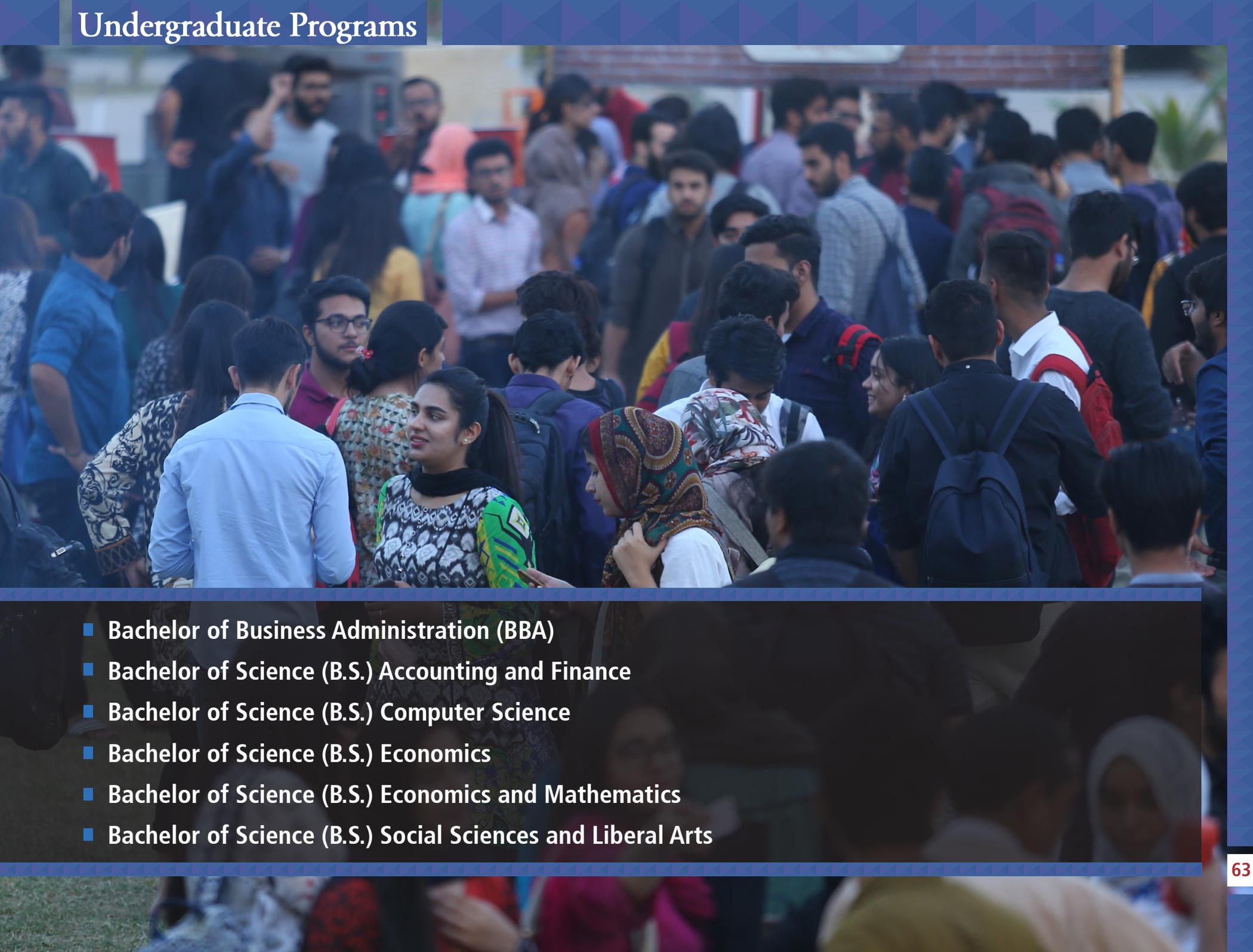
## CDC launches Mentoring Matters

December 14, 2018: The CDC in collaboration with the Alumni Affairs department launched the first ever mentoring program titled Mentoring Matters. An orientation session for mentors and mentees was organized at the IBA city campus. Under this pilot program, around 15 prominent IBA alumni will coach 45 senior batch students for their personal and professional development. The goal is to make this program embedded in the system which will ultimately benefit students to be effective future leaders in the future.

## Class of 1993 celebrates Silver Jubilee Reunion

December 29, 2018: MBA class of 1993 celebrated their Silver Jubilee reunion at the IBA main campus with the efforts of Mr. Farooq Shaikh. 15 members from the batch registered for this reunion and gathered from different parts of the world, some meeting each other after 25 years of their graduation. The day began with a meet and greet followed by a campus tour of the IBA.



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- Bachelor of Business Administration (BBA)
  - Bachelor of Science (B.S.) Accounting and Finance
  - Bachelor of Science (B.S.) Computer Science
  - Bachelor of Science (B.S.) Economics
  - Bachelor of Science (B.S.) Economics and Mathematics
  - Bachelor of Science (B.S.) 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), 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
<b>Total credit hours</b>	<b>128</b>

## 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	21
D	Non-specialization courses (core - 5 and elective - 1)	6	18
E	Experiential learning project (6 hours)*	Equivalent to two courses	6
<b>Total courses</b>		<b>40 (excluding ELP)</b>	<b>128</b>

\*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, SSC102
Organizational Behavior	MGT221	3	MGT201
Production and Operations Management	MGT311	3	FIN201, MGT201, MKT201
Entrepreneurship/Small Business Management	MGT421/MGT401	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	SSC102	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

# Bachelor of Business Administration (BBA)

## 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	-
Analysis of Financial Statements	ACC561	3	ACC201, ACC501
Applied Econometrics I	ECO343	4	ECO103 / ECO201, ECO104 / ECO202 and MTS202
Applied Econometrics II	ECO344	4	ECO341
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	ECO103 / ECO201, and 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	ECO103 / ECO201, ECO104 / ECO202
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	-

# Bachelor of Business Administration (BBA)

## 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	MGT201, HRM401
Foundation for Management and Entrepreneurship I	MGT102	3	MGT201, FIN201, MKT201
Foundation for Management and Entrepreneurship II	MGT103	3	MGT102
Ethics in a Corporate Society	MGT301	3	MGT201, ACC201, MKT201
Management Theory and Practice	MGT400	3	-
Comparative Management	MGT411	3	MGT201, MKT201, MGT221
Advertising	MKT451	3	MKT201
Consumer Behaviour	MKT452	3	MKT201, MKT301
Sales Management	MKT453	3	MKT201, MKT401
Personal Selling	MKT454	3	MKT201, MKT401
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.

# Bachelor of Business Administration (BBA)

## D. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Computer Applications	MIS103	3	-
Introduction to Statistics	MTS102	3	MTS105
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

Course title	Course code	Credit hours	Pre-requisite
History of Ideas – II	HUM238	3	HUM239, SSC239
Creative Writing	HUM360	3	-
Major Themes in World History	SSC121	3	-
Research Methods in Social Sciences	SSC154	3	-
Culture, Media and Society	SSC216	3	-
Introduction to Political Sciences	SSC217	3	-
South Asian History	SSC221	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	-

# 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	SSC102	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	SSC102, MGT201
4	Principles of Marketing	MKT201	3	-
5	Statistical Inference (with econometrics lab)	MTS202	3	MTS101, 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, SSC102
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

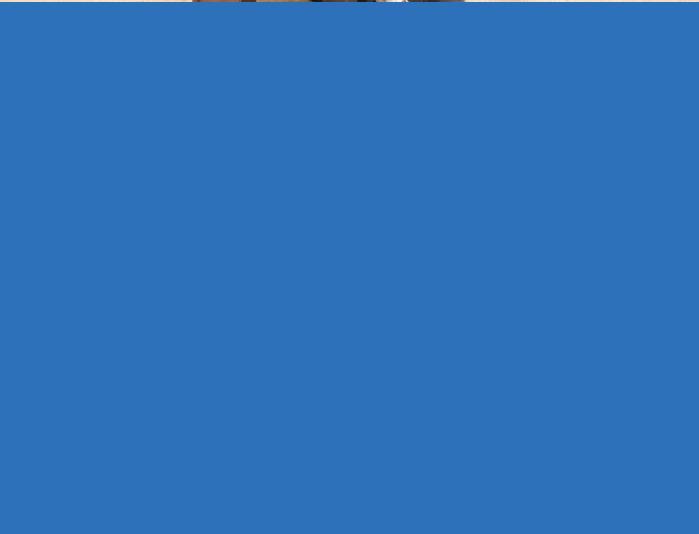
Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Management Accounting	CC381	3	ACC111,CC201A
2	Human Resource Management	HRM401	3	MGT201, MKT201
3	Business Law	LAW205	3	-
4	Methods of Business Research	MKT301	3	MKT201, MTS202
5	Language-I	SSC201/205/209	4	-
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Production and Operations Management	MGT311	3	FIN201, MGT201, MKT201
2	Entrepreneurship/Small Business Management	MGT421/MGT401	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
2	Social Science and Liberal Arts elective	SSC	3	SSC201
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)**	PRJ490	6	-
2	Business elective V	-	3	-
3	Business elective VI	-	3	-
4	Business elective VII	-	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 (B.S.) Accounting and Finance program



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

Bachelor of Science (B.S.) Accounting and Finance program is a 4-year degree introduced in 2013 providing an exclusive opportunity for students to receive an academic degree that 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 examinations (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. Chartered Financial Analyst 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
<b>Total credit hours</b>	<b>126</b>

## 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 hrs)*	1*	6
<b>Total</b>		<b>41</b>	<b>126</b>

\*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 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. 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

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

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

Course title	Course code	Credit hours	Pre-requisite
Advanced Managerial Accounting	ACC310	3	ACC381
Financial Reporting	ACC315	3	ACC201
Advanced Auditing	ACC325	3	LAW305, ACC320
Accounting Information System with SAP	ACC330	3	ACC111
Advanced Financial Reporting	ACC401	3	ACC315
Database System	CSE341	3	-
Corporate Law	LAW305	3	LAW205
Legal and Regulatory Environment (only for BSAF)	LAW310	3	LAW305
Corporate Governance or Code and Practice in Pakistan	LAW315	3	LAW305
Competition Law	LAW330	3	LAW305
Legal Aspects of Mergers and Acquisitions	LAW340	3	LAW305
Advanced Taxation	LAW401	3	ACC315, LAW303
International Business	MGT452	3	-
Strategic Management	MGT552	3	-
Data Warehousing	MIS343	3	-

## 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



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

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

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

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

## F. Non-specialization core courses

Course title	Course code	Credit hours	Pre-requisite
Introduction to Economics	ECO105	3	-
Business Communication	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

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

Any course except Accounting (core and elective) and Finance (core and elective) courses may be chosen if the relevant prerequisite condition has been met.

Social Science and Liberal Arts course means a course offered by Social Science and Liberal Arts department, including languages.



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

## 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
<b>Finance electives courses conducive for CFA preparation</b>	
Alternative Investments	FIN305
Behavioral Finance (4 credit hours-lab)	FIN312
Fixed Income Investments	FIN425
Security Analysis (4 credit hours-lab)	FIN453
Corporate Finance	FIN454
Portfolio Management (4 credit hours-lab)	FIN455
Derivatives	FIN457
Advance Portfolio Management and Wealth Planning	FIN563
Treasury and Funds Management	FIN565
Corporate Governance or Code and Practice in Pakistan	LAW315
<b>Finance electives courses conducive for IBP exemption</b>	
Branch Banking	FIN425
Lending- Products, Operations and Risk Management	FIN426
Finance of International Trade and Related Treasury Operations	FIN427
Marketing of Financial Service	FIN428
Information Technology in Financial Servicesa	FIN429



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

## Semester-wise sequence of courses

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	ACC381	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 (B.S.) 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 (B.S.) Computer Science program



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

Bachelor of Science (B.S.) 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
<b>Total credit hours</b>	<b>129</b>



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
<b>Total</b>		<b>40</b>	<b>129</b>

## A. University core courses

Course title	Course code	Credit hours	Pre-requisite
Speech Communication	HUM201	3	-
English Grammar and Composition	SSC103	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 and CSE241
Human Computer Interaction	CSE407	3	CSE312
Systems Programming	CSE441	4	CSE331

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

## 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, CSE 312
Introduction to Computer Vision	CSE454	3	-
Network Security	CSE455	3	CSE248
Business Intelligence	CSE459	3	CSE341, MIS 343
Introduction to Game Programming and Robotics	CSE460	3	CSE307
Mathematics for Games	CSE461	3	-
Introduction to Image Processing	CSE462	3	-
Introduction to Bioinformatics	CSE463	3	-
Quantum Computer Science	CSE517	3	MTS 203, 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 (B.S.) 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 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 (B.S.) 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	CS elective-I	CSE-	3	-
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-II	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	-	-

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

## Semester-wise sequence of courses (Contd.)

	Semester – 6	Course code	Credit hours	Pre-requisite
1	Introduction to Artificial Intelligence	CSE307	3	CSE247
2	Design and Analysis of Algorithm	CSE317	3	CSE247
3	Systems Programming	CSE441	4	CSE331
4	CS elective-III	CSE-	3	-
5	General elective-II	-	3	-

Senior	Semester – 7	Course code	Credit hours	Pre-requisite
1	Human Computer Interaction	CSE407	3	CSE312
2	Computer Science Project – I	CSE491	3	CSE312, CSE341
3	CS elective-IV	CSE-	3	-
4	CS elective-V	CSE-	3	-
5	General elective-III	-	3	-

	Semester – 8	Course code	Credit hours	Pre-requisite
1	Computer Science Project – II	CSE492	3	CSE491
2	Audit, Ethics 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 (B.S.) Economics program



# Bachelor of Science (B.S.) 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	-
<b>Total credit hours</b>	<b>126</b>

## 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
<b>Total</b>		<b>41</b>	<b>126</b>

## 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 (B.S.) 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
Development Economics II	ECO302	3	-
Mathematical Economics	ECO303	3	-
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Applied Econometrics I	ECO343	4	MTS202
Applied Econometrics II	ECO344	4	ECO303
Major Issues in Pakistan Economy	ECO403	3	-
Contemporary Issues in Global Economics	ECO404	3	ECO201, ECO202
Research Methods in Economics	ECO411	3	ECO303
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
History of Economic Thought	ECO467	3	ECO103, ECO104

## C. Economics elective courses

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

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

# Bachelor of Science (B.S.) Economics

## C. Economics elective courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Environmental and Resource Economics	ECO561	3	ECO531, ECO533
Financial Economics	ECO562	3	ECO531, ECO533
Time Series Modelling	ECO570	3	ECO537
Industrial Economics	ECO571	3	ECO631
Water Economics and Policy	ECO574	3	-
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/301/312/501
Social Impact Evaluation	ECO577	3	-

## D. Supporting courses (Mathematics and Statistics)

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

# Bachelor of Science (B.S.) Economics

## 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.

## 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	College Algebra**	MTS105	3	-
5	English Grammar and Composition	SSC101	3	MTS -
6	Pakistan History	SSC151	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	MTS101/MTS104	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	-
2	Linear Algebra	MTS203	3	-
3	Calculus with Applications II or Calculus II with Solid Geometry	MTS232/MTS106	3	-
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	-
2	Development Economics I	ECO203	3	-
3	Essential Software	MTS111	3	-
4	Statistical Inferences	MTS202	3	-
5	Non-specialization elective III	-	3	-

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

\*\* 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.

# Bachelor of Science (B.S.) Economics

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

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

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



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

B.S. Economics and Mathematics is a 4-year degree program that contains fundamental components of two fields of study: Economics and Mathematics. The program prepares the students for entry-level positions in private and public sectors, development organizations, banks, insurance companies, investment companies, education sector, and research organizations. A wide range of courses offered in this program 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
<b>Total credit hours</b>	<b>128</b>

## 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
<b>Total</b>		<b>41</b>	<b>128</b>

## 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

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

## 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, MTS101
Intermediate Macroeconomics	ECO202	3	ECO104, MTS101
Development Economics I	ECO203	3	ECO103, ECO104
Microeconomic Theory	ECO312	3	ECO201
Macroeconomic Theory	ECO313	3	ECO202
Applied Econometrics I	ECO343	4	MTS202
Applied Econometrics II	ECO344	4	ECO341
Research Methods for Economics	ECO411	3	ECO303
International Trade or International Economics	ECO466/ECO305	3	ECO103, ECO104
Economics Elective I	ECO-	3	-
Economics Elective II	ECO-	3	-



# Bachelor of Science (B.S.) 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	ECO103, ECO104
Public Economics	ECO401/ECO567	3	ECO103, ECO104/ECO531, ECO532 and ECO533
Major Issues in Pakistan's Economy	ECO403	3	ECO103, ECO104
Contemporary Issues in Global Economics	ECO404	3	ECO103, ECO104
Public Finance	ECO451	3	ECO103, ECO104
Monetary Economics	ECO452/ECO566	3	ECO103, ECO104
Time Series Econometrics	ECO457	3	MTS202
Climate Change Economics	ECO458/ECO551	3	ECO103, ECO104
Natural RESOURCE AND Environmental economics	ECO461	3	ECO103, ECO104
Game Theory/Game Theory and Competitive Strategy	ECO464/ECO573	3	ECO103, ECO104
History of Economic Thought	ECO467	3	ECO103, ECO104
Health Economics	ECO471/ECO563	3	ECO103, ECO104
Labour Economics	ECO472	3	ECO103, ECO104
Economic Forecasting	ECO555	3	ECO537
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/501/102 /104 /103/113
Environmental and Resource Economics	ECO561	3	ECO531, ECO533
Financial Economics	ECO562	3	ECO531, ECO533
Time Series Modeling	ECO570	3	ECO537
Industrial Economics	ECO571	3	ECO631
Water Economics and Policy	ECO574	3	ECO103
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/301/312/501
Social Impact Evaluation	ECO577	3	ECO103

## D. Mathematics core course

Course title	Course code	Credit hours	Pre-requisite
Calculus-I with Plane Geometry	MTS101	3	-
Linear Algebra	MTS203	3	-
Discrete Mathematics	MTS211	3	-
Calculus-II with Solid Geometry	MTS232	3	MTS101
Introduction to Differential Equations	MTS241	3	MTS101

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

## D. Mathematics core course (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Multivariable Calculus <sup>1</sup>	MTS242	4	MTS232
Stochastic Process	MTS304	3	MTS231
Optimization Techniques	MTS330	3	MTS203
Real Analysis I <sup>3</sup>	MTS341	4	MTS232
Probability and Statistical Models	MTS430	3	MTS231
Partial Differential Equations <sup>2</sup>	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. "Partial Differential Equations (MTS436) is equivalent to "Advance Differential Equations (MTS303)".

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

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

Course title	Course code	Credit hours	Pre-requisite
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

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

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

Course title	Course code	Credit hours	Pre-requisite
Scientific Computing for Linear PDE's	MTS414	3	MTS413
Modern Algebra I (Galois Theory and Application)	MTS443	3	MTS413
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 Theory1	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
Economics Research Project or Mathematics Research Project*	ECO441/MTS471	4	-

\*Students can take either ECO441 or MTS471.

# Bachelor of Science (B.S.) 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	MTS105
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	-
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	MTS202
3	Development Economics I	ECO203	3	ECO103, ECO104
4	Linear Algebra	MTS203	3	-
5	Probability Theory	MTS231	3	MTS102

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

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

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Microeconomic Theory	ECO312	3	ECO201, MTS112, MTS201
2	Applied Econometrics I	ECO343	4	ECO103, ECO104 and MTS202
3	Introduction to Differential Equations	MTS241	3	MTS101
4	Real Analysis I	MTS341	4	MTS232
5	Non-specialization elective I	-	3/4	-
	Semester - 6	Course code	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	3	ECO201, MTS112, MTS201
2	Applied Econometrics II	ECO344	4	ECO301
3	Stochastic Processes	MTS304	3	MTS231
4	Optimization Techniques	MTS330	3	MTS203
5	Non-specialization elective II	-	3/4	-
Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Research Project in Economics or Mathematics	ECO 441/MTS 471	4	-
2	Research Methods for Economics	ECO411	3	-
3	Partial Differential Equations	MTS436	3	MTS241
4	Economics elective I	ECO-	3	-
5	Mathematics elective I	-	3	-
6	Non-specialization elective III	MTS-	3	-
	Semester - 8	Course code	Credit hours	Pre-requisite
1	International Trade or International Economics	ECO466/ECO305	3	-
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	-

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

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



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

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

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

Curriculum structure	
Duration	4 years
Semesters	8
Courses	39
<b>Total credit hours</b>	<b>125</b>

## 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
<b>Total courses</b>		<b>39</b>	<b>125</b>

## 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 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 (B.S.) Social Sciences and Liberal Arts

## B. Non-specialization courses

Course title	Course code	Credit hours	Pre-requisite
<b>Core (5)</b>			
Calculus-I and Plane Geometry	MTS101	3	-
Introduction to Statistics	MTS102	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
<b>Electives (2)**</b>			
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
<b>Core (5)</b>			
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
<b>Natural Science electives (1 from the following list)***</b>			
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	-

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

## C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Visual Studies electives (1 from the following list)***</b>			
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
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
<b>Humanities electives (2 from the following list)***</b>			
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	-
From Ghalib to Bollywood	HUM370	3	-
History of Anthropological Thought	HUM372	3	SSC233
Are We Becoming Post-Human? Technology, Society, Ethics	HUM377	3	-
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM381	3	SSC232, SSC221
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM384	3	SSC232, SSC221
History of Economic Thought	SSC107	3	-

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

## C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Humanities electives (2 from the following list)***</b>			
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
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
Introduction to Literary Modernism	HUM374	3	SSC106
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	-
An Introduction to the Philosophy of Mathematics	HUM382	3	-
A Textual Introduction to Rumi	HUM385	3	-
Unearthly Things and Sad Destinies: An Introduction to Literary Theory	HUM386	3	-
Sufism: A Social, Political and Economic History	HUM387	3	-
An Introduction to the Islamic Scholarly Tradition	HUM388	3	-
Ethnographic Theory and Practice	HUM452	3	SSC231/SSC233
Prophets in the Abrahamic Traditions	HUM454	3	-
Evolution of Music in South Asia	HUM456	3	-
Media, Law and Ethics	MCS352	3	SSC216
Analyzing the News	MCS355	3	SSC216
Journalism and Public Discourse	MCS371	3	SSC216
History of Political Thought	POL302	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
Major Themes in World History	SSC121	3	-
Advanced English Composition	SSC213	3	SSC106
Introduction to Linguistics	SSC235	3	-

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

## C. Supporting courses (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Humanities electives (2 from the following list)***</b>			
Spirituality in Islam: Classical Texts and Themes	HUM453	3	-
Environmental Anthropology	HUM455	3	-
Ethnomusicology: Music and Culture	HUM457	3	SSC233
An Introduction to the Philosophy of Mind	HUM485	3	-
Gutenberg to Google: A Social History of Media	MCS302	3	SSC216
Women's Issues and Activism in Pakistan	POL379	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
<b>Psychology</b>			
<b>Psychology core courses</b>			
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
<b>Psychology electives (6 from the following list)***</b>			
Human Resource Management /Management and Human Resource	HRM401/HRM464	3	-
Organizational Behaviour /Management and Organizational Behaviour	MGT221/MGT231	3	-
Consumer Psychology	PSY350	3	-
Industrial and Organizational Psychology	PSY352	3	SSC218, PSY301

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

## E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Psychology</b>			
<b>Psychology electives (6 from the following list)***</b>			
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

Course title	Course code	Credit hours	Pre-requisite
<b>Political Science</b>			
<b>Political Science core courses</b>			
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
<b>Political Science electives (6 from the following list)***</b>			
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

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

## E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Political Science</b>			
<b>Political Science electives (6 from the following list)**</b>			
Foreign Policy in China	POL352	3	SSC217, POL301
State and Society	POL353	3	SSC217, POL301
War: Conceptual Underpinnings	POL354	3	SSC217, POL301
Human Rights and Law	POL355	3	SSC217, POL301
The Modern Middle East	POL359	3	SSC217, POL301
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
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	-

Course title	Course code	Credit hours	Pre-requisite
<b>Media and Communication Studies</b>			
<b>Media and Communication Studies core courses</b>			
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

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## E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>Media and Communication Studies</b>			
<b>Media and Communication Studies electives (6 from the following list)***</b>			
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
Communication in Advertising	MCS358	3	SSC216
Watching Films	MCS359	3	SSC216
History of Film	MCS360	3	SSC216
Theories of Film and Television	MCS364	3	SSC216, MCS301
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
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
Media Psychology	PSY 353	3	SSC216/218, MCS/PSY301

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

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## E. Major core + electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
<b>History</b>			
<b>History core courses</b>			
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
<b>History Electives (6 from the following list)***</b>			
A History of the Indian Ocean World	HST351	3	SSC232
Historiography of Early Islam	HST352	3	SSC232
Ecological History	HST353	3	SSC232
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	-
History of Science	NSC351	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	-

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

## 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 Plane Geometry	MTS101	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	-

	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	-	-	-

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

## Semester-wise sequence of courses

Junior	Semester - 5	Course code	Credit hours	Pre-requisite
1	Major Core I	-	3	-
2	Major Core – II	-	3	-
3	Humanities elective – I	-	3	-
4	Natural Science elective	-	3	-
5	Computational Research Methods	SSC302	4	MTS202

	Semester - 6	Course code	Credit hours	Pre-requisite
1	Major core – III	-	3	-
2	Major core - IV Research Methods	PSY/MCS/POL301	4	-
3	Major Elective – I	-	3	-
4	Non-specialization elective – I	-	3	-
5	Visual Studies elective	-	3	-
Summer	8-week summer research internship - no credit	-	-	-

Senior	Semester - 7	Course code	Credit hours	Pre-requisite
1	Major elective – II	-	3	-
2	Major elective – III	-	3	-
3	Major elective – IV	-	3	-
4	Non-specialization elective – II	-	3	-
5	Culminating Experience – I	SSC491	4	PSY/MCS/POL301

	Semester - 8	Course code	Credit hours	Pre-requisite
1	Major elective – V	-	3	-
2	Major elective – VI	-	3	-
3	Humanities elective – II	-	3	-
4	Culminating Experience – II	SSC492	6	SSC491

### Note

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



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

# 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  
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
<b>Total</b>		<b>27</b>	<b>72</b>

# Master of Business Administration (MBA)

## MBA morning and evening curriculum

Courses	Duration
Summer orientation program*	8 weeks program
Business Accounting	
Business Math and Statistics	
Business Economics	
Business Finance	
Business Communication	
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
Financial Accounting and Information Systems	ACC506	3
Business Statistics	BUS502	2
Business Intelligence	BUS503	1
Managerial Economics	ECO501	3
Business Finance I	FIN506	3
Organizational Behavior and Leadership	MGT557	3
Marketing Management	MKT501	3

<b>Total Credit hours</b>	<b>18</b>
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Semester - 2	Course code	Credit hours
Accounting for Decision Making	ACC505	3
Macroeconomics	ECO507	1.5
International Political Economy	ECO508	1.5
Business Finance II	FIN507	3
Legal and Regulatory Environment of Business	LAW501	3
Operations and Production Management	MGT510	3
Applied Business Research	MKT503	1.5
Marketing Analytics	MKT507	1.5

<b>Total Credit hours</b>	<b>18</b>
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# Master of Business Administration (MBA)

## Summer internship (6-8 weeks)\*\*\*

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

Semester - 4	Course code	Credit hours
MBA project (core course)	PRJ701	3
A minimum of five courses from electives		15
<b>Total Credit hours</b>		<b>18</b>

\*Mandatory for all students

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

\*\*\* Mandatory for Non BBA background students

Note: MBA Morning students are required to complete their core courses in 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, analysing 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	-
Auditing Theory and Practice	ACC557	3	-
IFRS and Financial Reporting in Pakistan	ACC559	3	-
Analysis of Financial Statements	ACC561	3	ACC501
Project Evaluation and Financing	ACC589	3	ACC501
Business Analytics	BUS501	1.5	-
International Field Project Course	BUS551	3	-
Introduction to Ethics and Moral Philosophy	BUS553	3	-
International Trade	ECO539	3	ECO531
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531,ECO501
Environmental and Resource Economics	ECO561	3	ECO501
Financial Economics	ECO562	3	-
Monetary Economics	ECO566	3	-
Water Economics and Policy	ECO574	3	ECO501,ECO531
Microeconomics of Policy Analysis	ECO575	3	ECO501,ECO531
Financial Intermediation	FIN531	3	-
Advance Credit Management	FIN532	3	-
Financial System – process, players, status and prognosis	FIN533	3	-
The Strategic Management of Banks	FIN541	3	-
International Finance	FIN551	3	FIN507
International Financial Management	FIN552	3	ECO501,FIN507
Investment Banking 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	MTS506/FIN507

# Master of Business Administration (MBA)

## List of electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Islamic Banking and Finance	FIN570	3	-
Financial Modelling	FIN574	3	FIN507
Seminar in Finance	FIN577	3	FIN507
Fixed Income Securities	FIN594	3	-
Recruitment and Selection Techniques	HRM530	3	-
Organizational Development	HRM552	3	-
Team Management	HRM557	3	-
Leading the Change Process	HRM558	3	-
Performance and Compensation Management	HRM562	3	-
Training and Development	HRM571	3	-
Corporate Governance and Practices in Pakistan	LAW553	3	-
Entrepreneurial Management	MGT507	3	-
Strategic Human Resource Management	MGT512	3	-
Business Strategy	MGT513	3	-
Strategic Management	MGT552	3	-
Project Management	MGT555	3	-
Competitive Strategy From a Customer's Perspective	MGT556	1.5	-
International Market Entry Strategies	MGT558	3	-
Technology Innovation Management and Design	MGT561	3	-
Branding and Creative Corporate Communication	MKT506	1.5	-
Advertising	MKT551	3	MKT 501
Consumer Behavior	MKT552	3	-
Social Marketing	MKT556	3	MKT501
Dynamic Distribution and Logistics	MKT557	3	-
Customer Ascendancy	MKT558	3	MKT 501
Supply Chain Management	MKT559	3	MKT501
Brand Management	MKT561	3	MKT501
Media Management	MKT566	3	MKT501
Social Media Marketing	MKT569	3	-
Strategic Sourcing and Procurement	MKT570	1.5	-

# Master of Business Administration (MBA)

## List of electives (Contd.)

Course title	Course code	Credit hours	Pre-requisite
Strategic Sourcing and Negotiation Skills	MKT571	3	-
Markstrat	MKT573	1.5	-
Retailing	MKT586	3	MKT 501
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	MKT 501



# Master of Business Administration (MBA) Executive program



# Master of Business Administration (MBA) Executive

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.

This degree program 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's in Business Administration Executive from this prestigious institute.

MBA Executive degree is more suitable for those 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, 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 400 research reports, duly graded, are available in the library.

### Unique features:

- Concurrent recognition: Senior/middle level executives are

joining this program and as they grow intellectually, they are instantaneously recognized and rewarded by the corporate world.

- Networking: Participants 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 5 years.
- Program format: MBA Executive is a 72 credit hour program covering 14 core 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.

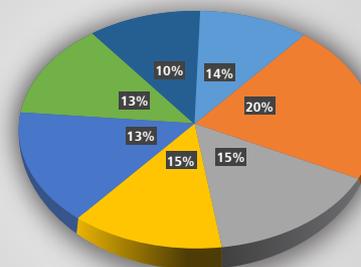
### The process:

- 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 that is 60%.
- 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 after a sabbatical, 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.
- Three inductions per year: Since 2009, IBA is admitting a new batch after every four months. This ensures assembly of over 300 executives at the campus on every weekend.

## MBA Executive Project Universe

Diversity is the unique feature of the MBA Executive cohort. The experienced participants from diversified fields, industries and interests, together 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
- Finance
- Marketing
- HRM
- Banking
- Medical
- Others

# 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

Dynamic webpage/Facebook: To provide detailed information, the IBA maintains a dynamic website and Facebook page, in addition to 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.

### Meet and Greet

November 17, 2018: MBA Executive participants arranged a wonderful event in which some of the key members of the corporate world participated. The following are some of the

corporate guests who attended the event. Program Director, Mr. Saleem Umer took the role of moderator and 5 top business executives responded to his questions.

- Mr. Yousuf Hussain Mirza, CEO, International Steels Limited
- Mr. Mehdi Hussain, CE, The Huner Foundation
- Mr. Hatim Rangwala, Group Financial Controller, Dawn Bread
- Ms. Naheed Memon, Chairperson, Sindh Board of Investment
- Dr. Asim Jamal, Country Chair and GM, Sanofi Pakistan
- Rear Admiral (R) Ather Saleem, Managing Director, Karachi Shipyard and Engineer
- Mr. Talha Bin Hamid, Director Risk and Corporate Affairs, BDO Ebrahim and Co.
- Mr. Rashid Dastagir, Chief Financial Officer, Century Papers and Board Mills
- Mr. Zahid Kaliya, Chief Financial Officer and Company Secretary, Shield Corporation Limited
- Mr. Mohammad Ghazaal Dhoraji, Director CEO, Saylani Welfare
- Mr. Afzal Ashraf Chamdia, President Dhorajee Association
- Mr. Ali Aslam, Financial Controller, Byco Petroleum
- Mr. Aamir Naveed Sheikh, COO, Macter International
- Mr. Intikhab Alam, General Manager Sales, Dawn Bread
- Dr. Sayeed Ghani, Associate Dean FCS, IBA, Karachi
- Faculty Members and staff of MBA Executive Program



# 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
<b>Total</b>		<b>24</b>	<b>72</b>

### 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.



# MBA Executive - Academic Plan

## Summer semester 2019 (April - August)

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

## Fall semester 2019 (September - December)

Months	Sessions	Saturday	Sunday
September	1	Sep. 07	Sep. 08
	2	Sep. 14	Sep. 15
	3	Sep. 21	Sep. 22
	4	Sep. 28	Sep. 29
October	5	Oct. 05	Oct. 06
	6	Oct. 12	Oct. 13
	Midterm Exams	Oct. 19	Oct. 20
November	7	Oct. 26	Oct. 27
	8	Nov. 02	Nov. 03
	9	Nov. 09	Nov. 10
	10	Nov. 16	Nov. 17
November / December	11	Nov. 23	Nov. 24
	12	Nov. 30	Dec. 01
December	Final Exams	Dec 14-22	

# MBA Executive - Academic Plan

## MBA Executive - Academic Plan 2019 - 20

### Summer semester 2019 (April - August)

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

### Fall semester 2019 (September - December)

Month	Sessions	Saturday	Sunday
September	1	Sep. 07	Sep. 08
	2	Sep. 14	Sep. 15
	3	Sep. 21	Sep. 22
	4	Sep. 28	Sep. 29
October	5	Oct. 05	Oct. 06
	6	Oct. 12	Oct. 13
	Midterm exams	Oct. 19	Oct. 20
November	7	Oct. 26	Oct. 27
	8	Nov. 02	Nov. 03
	9	Nov. 09	Nov. 10
	10	Nov. 16	Nov. 17
	11	Nov. 23	Nov. 24
Nov/Dec	12	Nov. 30	Dec. 01
December	Final exams	Dec 14-22	

### Spring Semester 2020 (January - April)

Month	Sessions	Saturday	Sunday
December	1	Jan. 04	Jan. 05
January	2	Jan. 11	Jan. 12
	3	Jan. 18	Jan. 19
	4	Jan. 25	Jan. 26
February	5	Feb. 01	Feb. 02
	6	Feb. 08	Feb. 09
	Midterm exams	Feb. 15	Feb. 16
	7	Feb. 22	Feb. 23
February/March	8	Feb. 29	Mar. 01
March	9	Mar. 07	Mar. 08
	10	Mar. 14	Mar. 15
	11	Mar. 21	Mar. 22
	12	Mar. 28	Mar. 29
April	Final exams	Apr 11 - 19	

### Summer Semester 2020 (April - August)

Month	Sessions	Saturday	Sunday
April	1A	Apr. 25	Apr. 26
May	1-B	May 02	May 03
	2-A	May 09	May 10
	2-B	May 16	May 17
	3-A	May 23	May 24
June	4	May 30	May 31
	5	Jun. 06	Jun. 07
	6	Jun. 13	Jun. 14
	Midterm exams	Jun. 20	Jun. 21
July	7	Jun. 27	Jun. 28
	8	Jul. 04	Jul. 05
	9	Jul. 11	Jul. 12
	10	Jul. 18	Jul. 19
	11	Jul. 25	Jul. 26
Aug	12	Aug. 08	Aug. 09
Final exams		Aug 15 - 23	

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



# Master of Science (M.S.) 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 M.S. program at the FCS has a rich set of courses available at both the M.S. as well as Ph.D. level. From 2014 the M.S. Program is being offered as a full time morning program along with an existing evening counterpart. The M.S. 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 the rapidly changing landscape of computing technologies. The potential of this program in terms of imparting useful advanced computing skills and professional growth is measured by the readiness of the job market and advanced learning schools in absorbing graduates. The curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently.

The M.S. program has two basic categories: M.S. with thesis and M.S. without thesis. The Master of Science (M.S.) Computer Science program is of 30 credit hours with a thesis or research survey option. For those students who opt for thesis, 24 credit hours of course work, 3 credit hours of research survey and 3 credit hours of thesis work are required. For students opting for course work only, 27 credit hours of course work along with 3 credit hours of research survey is required. The research survey course must be taken after students have completed 18 credits and must be supervised by an approved faculty member. The course work may be taken from multiple specialization tracks, and a student 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 B.S. level Computer Science courses. M.S. students may also take courses at the Ph.D. (600) level for credit.

## Required courses

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

M.S. 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
<b>Total</b>		<b>10</b>	<b>30</b>

M.S. 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
<b>Total</b>		<b>10</b>	<b>30</b>

## 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 (M.S.) Computer Science

## List of M.S. Computer Science courses

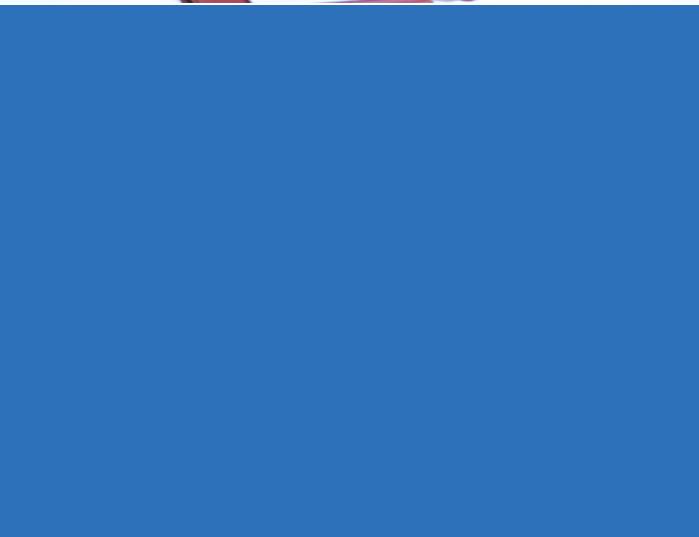
Course title	Course code	Credit hours	Pre-requisite	Track
Software Project Management	CSE503	3	-	Track-SE
Data Mining	CSE505	3	CSE307	Track-IS
Pattern Recognition	CSE554	3	-	Track-IS
Image Processing for Recognition	CSE556	3	CSE559	Track-IS
Image Processing	CSE559	3	-	Track-IS
Algorithms	CSE560	3	-	Track-TCS
Software Systems Engineering	CSE564	3	CSE142	Track-SE
Software Quality Assurance	CSE566	3	-	Track-SE
Requirements Engineering	CSE567	3	-	Track-SE
Introduction to Data Science	CSE568	3	CSE307 and MTS102	Track-IS
Natural Language Processing	CSE574	3	-	Track-IS
Advanced Human Computer Interaction	CSE575	3	-	Track-HCI
Usability Engineering	CSE576	3	-	Track-HCI
GUI Design	CSE578	3	-	Track-HCI
Stochastic Modeling with Applications in Engineering	CSE606	3	-	Track-NCC
Bioinformatics Algorithms	CSE607	3	-	-
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	CSE 505, CSE 652, or CSE 568	Track-IS
Social Network Analysis	CSE670	3	-	Track-IS
Machine Learning	CSE671	3	-	-

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

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

Course title	Course code	Credit hours	Pre-requisite	Track
Text Analytics	CSE674	3	Instructor	-
M.S. Research Survey	CSE690	3	-	N/A
M.S. 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 and 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	-
Operations And Technology Management	MIS502	3	-	Track-IM
Enterprise Integration	MIS503	3	-	Track-IM
Information Industry Structure And Competitive Strategy	MIS513	3	-	Track-IM
Logistics And Supply Chain Management	MIS550	3	-	Track-IM
Advanced Data Warehousing	MIS552	3	-	Track-IM
Mobile Marketing Strategies	MIS553	3	-	Track-IM
Auditing IT Infrastructures	MIS555	3	-	Track-IM
Social Computing Applications	MIS564	3	-	Track-IM
Advance E-Commerce	MIS565	3	-	Track-IM
Fundamentals of SAP-ABAP Programming I	MIS566	3	-	Track-SE
Scientific Computing, and Scientific Software Development	MTS551	3	-	Track-TCS
Advanced Theoretical Concepts in IS	MIS653	3	-	Track-IM

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



# Master of Science (M.S.) Economics

The M.S. 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:

- 5 years for full time students
- 7 years for part time students

## Class Timings

M.S. Economics is offered for full-time students as well as for part-time students. Classes in M.S. Economics are scheduled only in evenings (6:00-9:00 pm) on weekdays or 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 M.S. students. These positions are offered only to those students who maintain a cumulative GPA of 3.00 in each semester in the M.S. program. Teaching/research assistants must not work elsewhere.

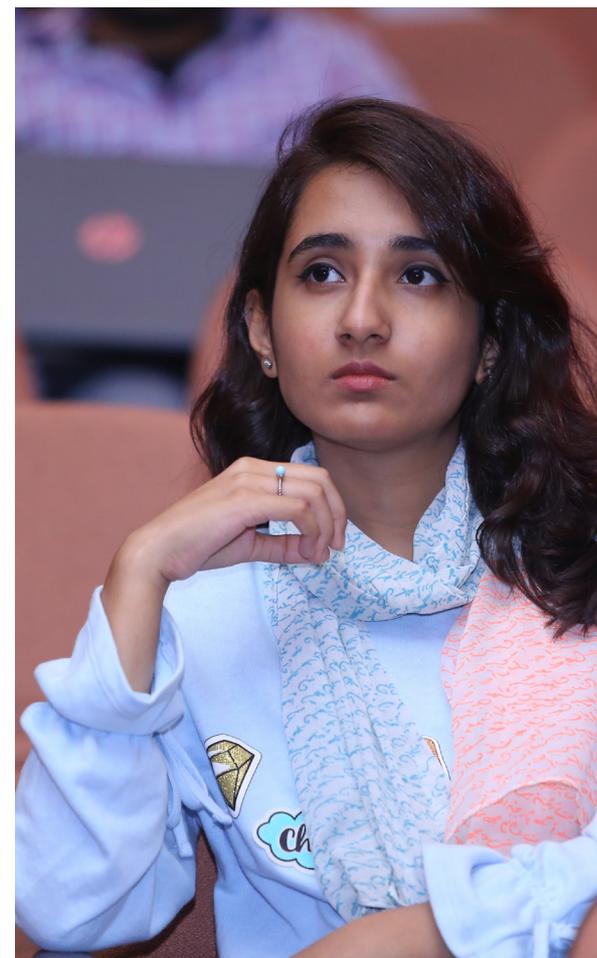
## Requirements for M.S. (Economics)

Course requirements are given as:

M.S. courses: 36 credit hours (12 courses)

M.S. thesis: 6 credit hours

For further details please visit: [economics.iba.edu.pk](http://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
<b>Total</b>	<b>13</b>	<b>42</b>

# Master of Science (M.S.) 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	MTS536,ECO537
Research Methodology	ECO591	3	ECO537 / ECO344 / ECO342
Microeconomic Theory II	ECO631	3	ECO531
Macroeconomic Theory II	ECO632	3	ECO537
Elective I	-	3	-
Elective II	-	3	-
Thesis	Course code	Credit hours	Pre-requisite
M.S. thesis**	ECO699	6	-

\* B.S. Economics and B.S. 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 M.S. research project (ECO698) in place of M.S. thesis. The grade on M.S. thesis and M.S. research project would be pass/fail and will not be counted in the CGPA.



# Master of Science (M.S.) Economics

Students exempted from four foundation courses			Other Students		
S.No.	Semester 1 - Fall	Course code	S.No.	Semester 1 - Fall	Course code
1	Development Economics	EC0534	1	Microeconomic Theory I	EC0531
2	Research Methodology	EC0591	2	Macroeconomic Theory I	EC0532
3	Macroeconomic Theory II	EC0632	3	Mathematics for Economists	EC0533
4	Elective I	-	4	Mathematical Statistics and Linear Algebra	EC0536
S.No.	Semester 2 - Spring	Course code	S.No.	Semester 2 - Spring	Course code
1	Econometrics I	EC0537	1	Econometrics I	EC0537
2	Microeconomic Theory II	EC0631	2	Microeconomic Theory II	EC0631
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	EC0538	1	Development Economics	EC0534
2	M.S. Thesis	EC0699	2	Econometrics II	EC0538
	-	-	3	Research Methodology	EC0591
	-	-	4	Macroeconomic Theory II	EC0632
			S.No.	Semester 4 - Spring	Course code
			1	M.S. Thesis	EC0699

\*B.S. Economics and B.S. 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.

## Semester-wise courses

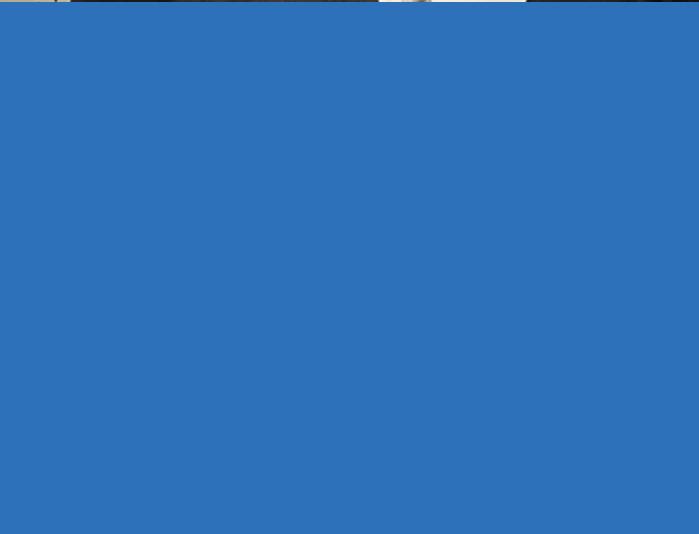
Courses offered in Fall semester	Course code	Courses Offered in Spring semester	Course code
Microeconomic Theory I	EC0531	Econometrics I	EC0537
Macroeconomic Theory I	EC0532	Microeconomic Theory II	EC0631
Mathematics for Economists	EC0533	Two elective courses	-
Development Economics	EC0534		
Mathematical Statistics and Linear Algebra	EC0536		
Econometrics II	EC0538		
Research Methodology	EC0591		
Macroeconomic Theory II	EC0632		
One elective courses	-		

# Master of Science (M.S.) Economics

## List of electives

Course title	Course code	Credit hours	Pre-requisite
Combinatorial Optimization	CSE654	3	ECO533 and ECO531
International Trade	ECO539	3	ECO531
Issues in Pakistan Economy	ECO544	3	-
Climate Change Economics	ECO551	3	-
Behavioural Economics	ECO554	3	-
Economic Forecasting	ECO555	3	ECO537
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/501/102 /104 /103/113
Environmental and Resource Economics	ECO561	3	ECO531, ECO533
Financial Economics	ECO562	3	ECO531, ECO533
Health Economics	ECO563	3	ECO531
History of Economic Thought	ECO564	3	-
Monetary Economics	ECO566	3	ECO532
Public Economics	ECO567	3	ECO531, 532 and 533
Time Series Modelling	ECO570	3	ECO537
Industrial Economics	ECO571	3	ECO631
Game theory and Competitive Strategy	ECO573	3	ECO531
Water Economics and Policy	ECO574	3	-
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/301/312/501
Social Impact Evaluation	ECO577	3	-
Behavioural and Experimental Economics	ECO578	3	-
Labour Economics	ECO654	3	ECO531, ECO537

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



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

The M.S. Islamic Banking and Finance (MSIBF) is a 57 credit hours full-time 2-year program approved by the HEC 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 maximum duration allowed is 5 years. The M.S. IBF program is open to both full time and working students. Full time students take four courses each semester.

## Requirements

The course requirements for M.S. Islamic Banking and Finance program are:

Course category	Credit hours	Courses
Core courses	36	12
Electives	12	4
M.S. thesis	9	-



## Semester-wise sequence of courses

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

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

## Important note

- All M.S. Islamic Banking and Finance students are required to take and pass the 12 core courses mentioned above, as well as the 9-credit hours research thesis in order to graduate.
- Elective courses will be offered in the summer semesters and the final 4th semester. Students have to take a total of 4 electives to complete the requirements.
- Students propose thesis topic for their dissertation after the completion of the 12 core courses. Students are expected to finish their thesis in the final semester, and may include an optional summer semester.

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

## Admission criteria and eligibility

Admissions to all programs at the IBA are granted purely on the basis of merit and there are no reserved seats for any category. The criterion for admission is the performance of the candidate in the 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. In order to be eligible to apply for M.S. Islamic Banking and Finance, applicants should have a minimum of 16 years of education/equivalent degree in any discipline recognized by the HEC. They should have a minimum of 2.5 CGPA out of 4.00 or 60% marks in their last degree. All

equivalency claims are evaluated by the HEC. Experience is not a mandatory requirement for the M.S. IBF program. Candidates awaiting their final results may also apply. In such cases, conditional admission may be awarded, pending the submission of required results before the commencement date of the classes. 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 M.S. 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.



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

## Electives

The electives offered for M.S. IBF students will be from the following courses:

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

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



# Master of Science (M.S.) 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.

## M.S. 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 M.S. 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 (M.S.) Journalism program



# Master of Science (M.S.) Journalism

The Master of Science (M.S.) 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.

## Mission

The M.S. 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
<b>Total</b>	<b>13</b>	<b>39</b>

## 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

## 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 (M.S.) 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 - 3	Credit hours
CEJ Newsroom (Summer)	3
Specialized Journalism II	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 - 4	Credit hours
Capstone Project	3
Internship	3



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



# Master of Science (M.S.) Management

The M.S. Management is designed to prepare students for quality research and analysis in the field of Management. A sound theoretical basis is provided in the general area of Management and in 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

### M.S. 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
<b>Total</b>		<b>18</b>		<b>Total credit 36 (minimum)</b>

### M.S. 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
<b>Total</b>		<b>19</b>		<b>Total credit 36 (minimum)</b>

## Duration

1.5 years (full time)

Maximum time allowed is 4 years

## Teaching/research assistant positions

Subject to availability, a limited number of teaching/research assistant positions are offered to M.S. 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 (M.S.) 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	Research in Organizational Behavior	MGT572	3
2	Alternative Management and Organization	MGT573	3
3	Modeling and Simulation	MGT574	3
4	Quality Management	MGT575	3
5	Pedagogy for Management	MGT576	3
6	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 M.S. 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 (M.S.) Mathematics program



# Master of Science (M.S.) Mathematics

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

## Eligibility

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

- Possess a B.S./M.Sc. (16-year education) degree from a recognized university in Mathematics or B.E. (any discipline) \*\*or B.S./M.Sc. (16-year education) degree from a recognized university in Physics/Statistics/Computer Science\*\*
- Have passed the last examination with at least 60% marks (or CGPA 2.50)

\*\*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:

- Appear in and qualify an aptitude test comprising of two parts: Mathematics and English (the difficulty level of Mathematics and English is equivalent to GRE subjective Mathematics and TOFEL respectively) or candidates who have a minimum 60 percentile in GRE subjective Mathematics

(in this case admission committee will verify the English proficiency of the candidate).

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

## Duration

M.S.: 2 - 5 years

## Teaching/research assistant positions

Teaching/research assistant positions are available in the department for full-time M.S. students. These positions are offered only to those students who maintain a cumulative GPA of 3.00 in each semester in the M.S. 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 wilfully avail/opt-for financial assistance) with the condition that they cannot register in more than 3 courses in semesters.

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

- Complete 30 credit hours that include 24 credit hours (8 courses) of course work and 6 credit hours of thesis.
- Six courses (mentioned in the list) at 500 level are core

courses that every student must do.

- In addition, a student has to do two electives to be chosen from the list given at 500 level. A student can also choose a Ph.D. Mathematics course as an elective by taking approval from the BoS.
- The eligibility for doing an M.S. thesis is a CGPA of 3.00.
- Students who do not qualify the eligibility criteria for doing an M.S. thesis, they will be required to do two additional courses (6 credit hours in addition) and graduate with an M.S. degree only. Such M.S. graduates would lose the eligibility of doing a Ph.D. in future from IBA.
- Public defense of the M.S. thesis and completion of the degree will be governed as per IBA's policy.

For further details please visit:  
<https://www.mathematics.iba.edu.pk>



## Required courses

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

# Master of Science (M.S.) 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
M.S. Thesis (with literature survey)	MTS699	6	-



# Master of Science (M.S.) Mathematics

## List of electives

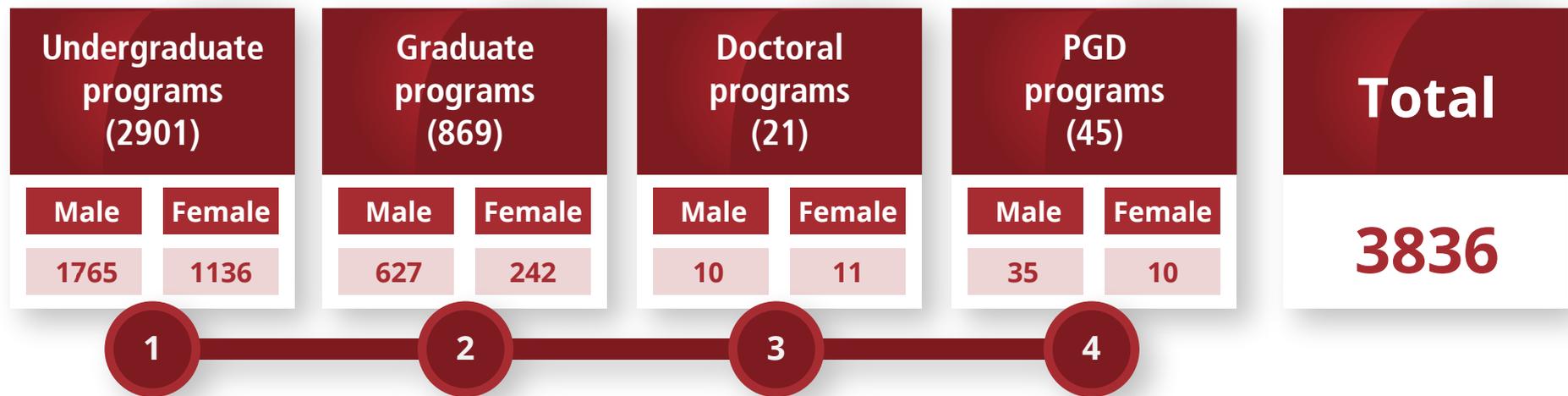
Course title	Course code	Credit hours	Pre-requisite
Non Linear Dynamics and chaos	MTS507	3	MTS203, MTS 241
Measure Theory and Integration	MTS512	3	MTS512
Topics in Commutative Algebra	MTS514	3	MTS513
Scientific Computing	MTS521	3	-
Stochastic Processes II	MTS525	3	MTS304
Stochastic Differential Equations	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 M.S. Mathematics elective.*

# Student Enrollment Statistics

(Spring 2019)



Total males: 2437

Total females: 1399

Male: 63.53%

Female: 36.47%



- Ph.D. Computer Science
- Ph.D. Economics
- Ph.D. Mathematics

# Ph.D. Computer Science program



# Ph.D. Computer Science

Ph.D. 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 Ph.D. programs in the following areas: Artificial Intelligence and Cognitive Robotics, Wireless and Mobile Communications, Social Computing, Operations Research, Management Information System, Numerical Analysis and Computing, Multimedia and Web and Human Computer Interaction.

The FCS Ph.D. program aims at encouraging graduate students who can make a significant contribution to their field through original research. The FCS hosts a number of state-of-the-art. 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 Ph.D. 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:  
<http://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://websci.iba.edu.pk/>  
<http://cs.iba.edu.pk>



	Course title	Courses	Credit hours
A	Course Work 1,2,3	8	24
B	Dissertation	-	12

#### Rules:

1. Students can opt for a maximum of 2 courses (500 level) and minimum 6 courses (600 level or above).
2. It is recommended that the course work should be completed during the first 3 semesters after admission.
3. Students can take a maximum of 4 courses (12 credit hours) in each semester.

# Ph.D. Computer Science

## Courses\*

Course title	Course code	Credit hours	Pre-requisite
Software Project Management	CSE503	3	-
Data Mining	CSE505	3	CSE 307
Pattern Recognition	CSE554	3	-
Image Processing For Recognition	CSE556	3	-
Mobile Computing	CSE558	3	-
Image Processing	CSE559	3	-
Software Systems Engineering	CSE564	3	CSE 141, CSE 142
Requirements Engineering	CSE567	3	CSE 312
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 - 1	CSE665	3	-
Information Retrieval and Web Search - II	CSE666	3	CSE 665
Big Data Analytics	CSE668	3	CSE 652
Deep Learning	CSE669	3	-
Social Network Analysis	CSE670	3	-
Machine Learning	CSE671	3	-
Advanced Web Technologies	ICT512	3	CSE 302
Distributed Systems	ICT555	3	CSE 341
Computer Communication Network and Simulation	ICT651	3	CSE 248, MTS 102
Computer Communication Network and Simulation II	ICT654	3	ICT 651
Wireless Sensor Networks	ICT659	3	CSE 141, CSE 248, MTS 102
Advanced Topics In Wireless Sensor Networks	ICT660	3	ICT 659
WSN Protocols And Applications	ICT662	3	CSE 248
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	MIS 651

\*It is a partial list of courses

# Ph.D. Economics program



# Ph.D. (Economics)

Ph.D. Economics program is designed to provide a solid background in theory, quantitative methods and applications appropriate to the needs of economists involved in policy planning, analysis and forecasting in public and private sectors. Ph.D. (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

M.S./M.Phil. 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 Ph.D. program. IBA also allows those candidates to apply for admission whose final results have not been announced. The admission may be conditional to the pending submission of the required results before the date of commencement of classes.

## Required courses

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

## 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 admission test and interview. The admission test is a written test on three subjects: English, Mathematics and Economics. Candidates who have a minimum score of 650 in 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 admission test qualify for the interview. Candidates are required to submit a short research proposal at the time of interview as well.

## Comprehensive examinations

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

## Oral defense of dissertation proposal

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

## Dissertation defense

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

## Teaching/research assistant positions

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

## Major areas of specialization (electives)

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

For further details visit: [economics.iba.edu.pk](http://economics.iba.edu.pk)



# Ph.D. (Economics)

## List of core and elective courses

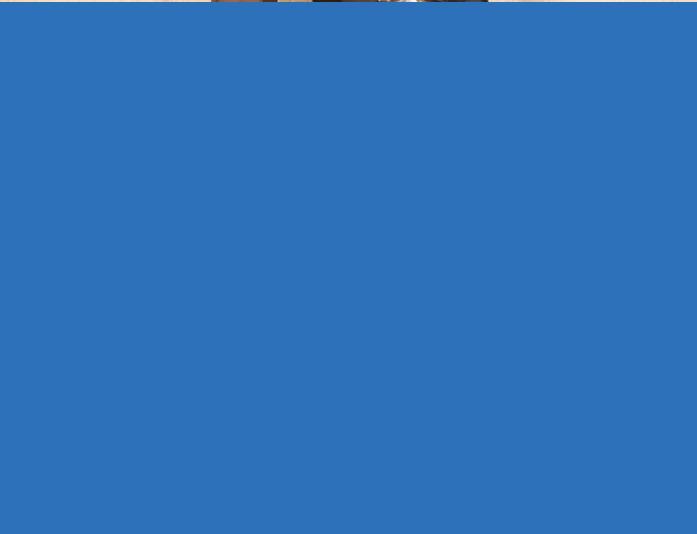
Course title	Course code	Credit hours	Pre-requisite
Microeconomic Theory II	EC0631	3	EC0531 or equivalent
Macroeconomic Theory II	EC0632	3	EC0532 or equivalent
Microeconomic Theory III	EC0641	4	EC0631
Macroeconomic Theory III	EC0642	4	EC0632
Econometric Analysis- I	EC0647	4	EC0537 or equivalent
Econometric Analysis- II	EC0648	4	EC0647
Graduate Research Seminar	EC0791	4	EC0647
Elective I	-	3	-
Elective II	-	3	-
Elective III	-	4	-
Elective IV	-	4	-

## Dissertation

Course title	Course code	Credit hours	Pre-requisite
Ph.D. dissertation	EC0799	27	-



# Ph.D. Mathematics program



# Ph.D. (Mathematics)

Ph.D. in Mathematics aims to polish individuals' 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 Ph.D. Mathematics program at IBA if:

The applicant has earned an M.S./M.Phil. (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 IBA.

## Teaching/research assistant positions

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

## Duration

Ph.D. 4 years (maximum 8 years)

## Other rules

- A Ph.D. student has to spend at least the first two years in IBA as a full-time Ph.D. scholar.
- Ph.D. students will be required to do six courses (chosen from the list below) at 600 level as suggested by the research supervisor and/or the departmental Board of Studies (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 Ph.D. 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 Ph.D. student.

## Disqualification

If the candidate fails to qualify for work on Ph.D. dissertation

they may be awarded an M.S. degree on the recommendation of the supervisor/BoS.

## Defense of research synopsis/thesis

The research synopsis would have to be defended in front of the BoS. Public defense of the Ph.D. 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>



# Ph.D. (Mathematics)

## Required courses

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

# List of courses



- 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	ACC381	Management Accounting
9	ACC401	Advanced Financial Reporting
10	ACC505	Accounting for Decision Making
11	ACC506	Financial Accounting and Information Systems
12	ACC507	Accounting Information Systems with SAP
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	LAW205	Business Law
3	LAW303	Taxation
4	LAW305	Corporate Law
5	LAW310	Legal and Regularity Environment
6	LAW315	Corporate Governance or Code and Practice in Pakistan
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

## Computer Science and allied courses (Contd.)

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	M.S. Research Survey (0,3,3)
56	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	EC0102	Business Economics
2	EC0103	Principles of Microeconomics
3	EC0104	Principle of Macroeconomics
4	EC0105	Introduction to Economics
5	EC0201	Intermediate Microeconomics
6	EC0202	Intermediate Macroeconomics
7	EC0203	Development Economics I
8	EC0211	Analysis of Pakistan Industries
9	EC0302	Development Economics II
10	EC0303	Mathematical Economics
11	EC0305	International Economics
12	EC0312	Microeconomic Theory
13	EC0313	Macroeconomic Theory
14	EC0341	Introduction to Econometrics
15	EC0342	Applied Econometrics
16	EC0343	Applied Econometrics I
17	EC0344	Applied Econometrics II
18	EC0401	Public Economics
19	EC0403	Major Issues in Pakistan Economy
20	EC0404	Contemporary Issues in Global Economics
21	EC0411	Research Methods in Economics
22	EC0451	Public Finance
23	EC0452	Monetary Economics
24	EC0453	Microeconomics of Public Policy Analysis
25	EC0457	Time Series Econometrics
26	EC0458	Climate Change Economics
27	EC0461	Natural Resource and Environmental Economics
28	EC0464	Game Theory
29	EC0465	International Political Economy

# List of courses

## Economics courses (Contd.)

S.No.	Course code	Course title
30	EC0466	International Trade
31	EC0467	History of Economic Thought
32	EC0471	Health Economics
33	EC0472	Labor Economics
34	EC0501	Managerial Economics
35	EC0502	Macroeconomics
36	EC0517	Global Economic and Political Environment
37	EC0530	Development Economics
48	EC0531	Microeconomic Theory I
49	EC0532	Macroeconomic Theory I
40	EC0533	Mathematics for Economics
41	EC0537	Econometrics I
42	EC0538	Econometrics II
43	EC0539	International Trade
44	EC0544	Issues in Pakistan Economy
45	EC0551	Climate Change Economics
46	EC0555	Economic Forecasting
47	EC0558	Labor Economics
48	EC0560	Public Policy Analysis: Theory and Practice
49	EC0561	Environmental and Resource Economics
50	EC0562	Financial Economics
51	EC0563	Health Economics
52	EC0564	History of Economic Thought
53	EC0566	Monetary Economics
54	EC0567	Public Economics
55	EC0570	Time Series Modeling
56	EC0571	Industrial Economics
57	EC0572	General Equilibrium and Welfare Economics
58	EC0573	Game Theory and Competitive Strategy
59	EC0574	Water Economics and Policy

# List of courses

## Economics courses (Contd.)

S.No.	Course code	Course title
60	EC0575	Microeconomics of Public Policy Analysis
61	EC0577	Social Impact Evaluation
62	EC0591	Research Methodology
63	EC0631	Microeconomic Theory II
64	EC0632	Macroeconomic Theory II
65	EC0648	Econometrics Analysis II
66	EC0654	Labor Economics

## Department of Finance

### Finance courses

S.No.	Course code	Course title
1	FIN201	Introduction to Business Finance
2	FIN301	Financial Institutions and Markets
3	FIN305	Alternate Investments
4	FIN308	Real Estate Investments: Analysis and Financing
5	FIN310	International Banking
6	FIN312	Behavioral Finance
7	FIN315	Corporate Restructuring
8	FIN320	Empirical Research in Finance
9	FIN401	Financial Management
10	FIN405	Venture Capital and the Finance of Innovation
11	FIN410	Buyouts and Acquisitions
12	FIN424	Fixed Income Investments
13	FIN425	Branch Banking
14	FIN426	Lending- Products, Operations 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

## Finance courses (Contd.)

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	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 PDE's
78	MTS577	Galois Theory
79	MTS581	Smooth Manifolds
80	MTS621	Numerical Treatment of P.D.E
81	MTS625	Financial Mathematics
82	MTS637	Computational Astronomy
83	MTS645	Applicable Modern Geometry II
84	MTS649	Algebraic Geometry II
85	MTS653	Algebraic Cycles II
86	MTS655	Algebraic Curves
87	MTS656	Iterative Methods for Sparse Linear Systems
88	MTS657	Polylogarithms
89	MTS658	Time Scale Calculus

# List of courses

## Mathematics courses (Contd.)

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

# List of courses

## Visual Studies and Humanities courses

S.No.	Course code	Course title
1	HUM201	Speech Communication
2	HUM350	Empire and Vision: Between Production and Representation of South Asian Cities
3	HUM351	Great Books
4	HUM352	Reading Poetry
5	HUM353	Introduction to Drama
6	HUM354	Introduction to Urdu Literature
7	HUM355	Anglo-Indian Narratives and the Postcolonial Subject
8	HUM356	Foundations of Philosophical Thought
9	HUM357	Philosophy, Logic, and Ethics
10	HUM358	Comparative Classical Philosophy
11	HUM359	Introduction to Comparative Religions
12	HUM360	Creative Writing
13	HUM361	Theater Project: The Living Newspaper
14	HUM363	Introduction to Visual Culture
15	HUM364	History of Art I: Classical Antiquity to the Middle Ages
16	HUM365	History of Art II: Renaissance to the Present
17	HUM366	Art of the Islamic World
18	HUM368	Intellectual and Cultural History of Muslim Spain
19	HUM369	The Making of the Mughal Empire: An Intellectual and Cultural History
20	HUM370	From Ghalib to Bollywood
21	HUM371	1947/1971: Interrogating Partitions, Narrative Selves
22	HUM372	History of Anthropological Thought
23	HUM374	Introduction to Literary Modernism
24	HUM375	Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction
25	HUM376	A History of the Cold War
26	HUM377	Are We Becoming Post-Human? Technology, Society, Ethics
27	HUM378	A History of the Fable in its Greek, Arabic and Indic Traditions
28	HUM379	Don Quixote and its Andalusian Milieu
29	HUM380	Advanced Readings in Pakistan's History
30	HUM381	Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia
31	HUM382	An Introduction to the Philosophy of Mathematics

# List of courses

## Visual Studies and Humanities courses (Contd.)

S.No.	Course code	Course title
32	HUM383	Narrative and Identity in Pakistani Literature
33	HUM384	The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)
34	HUM385	A Textual Introduction to Rumi
35	HUM386	Unearthly Things and Sad Destinies: An Introduction to Literary Theory
36	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	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	History of Commercial Art
12	MCS358	Communication in Advertising
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	Theories of Film and Television
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	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	State and Society
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	Theories of Democratic Transition
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

## Psychology courses

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

# List of courses

## Psychology courses (Contd.)

S.No.	Course code	Course title
6	PSY351	Introduction to Social Psychology
7	PSY352	Industrial and Organizational Psychology
8	PSY353	Media Psychology
9	PSY354	Psychology of Conflict
10	PSY355	Introduction to Developmental Psychology
11	PSY356	Attachment and Loss
12	PSY357	Child and Adolescent Development
13	PSY358	Psychology of Aging
14	PSY359	Introduction to Cognitive Psychology
15	PSY360	Sensation and Perception
16	PSY361	Human Memory
17	PSY362	Abnormal Psychology
18	PSY363	Psychology of Human Emotion
19	PSY364	Gender Psychology
20	PSY365	Counseling Psychology
21	PSY366	Cyber Psychology
22	PSY367	Personality Psychology
23	PSY368	Educational Psychology
24	PSY373	Environmental Psychology
25	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

# List of courses

## Courses offered by the Centre for Executive Education

### 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	Customer Relationship Management (CRM)	Elective
17	SCM545	Forecasting and Marketing Management (CRM)	Elective
18	SCM548	Quality Management for Supply Chain	Elective
19	SCM549	Manufacturing Strategy	Elective
20	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

# Contact Information

## Important telephone numbers at both campuses

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City campus exchange: +9221-38104701

	ICT Help Desks	Library	Transport	Maintenance	Administration	Security	Main gate
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City Campus	1105	1271	1003	1502	1008 and 1502	1468	1461

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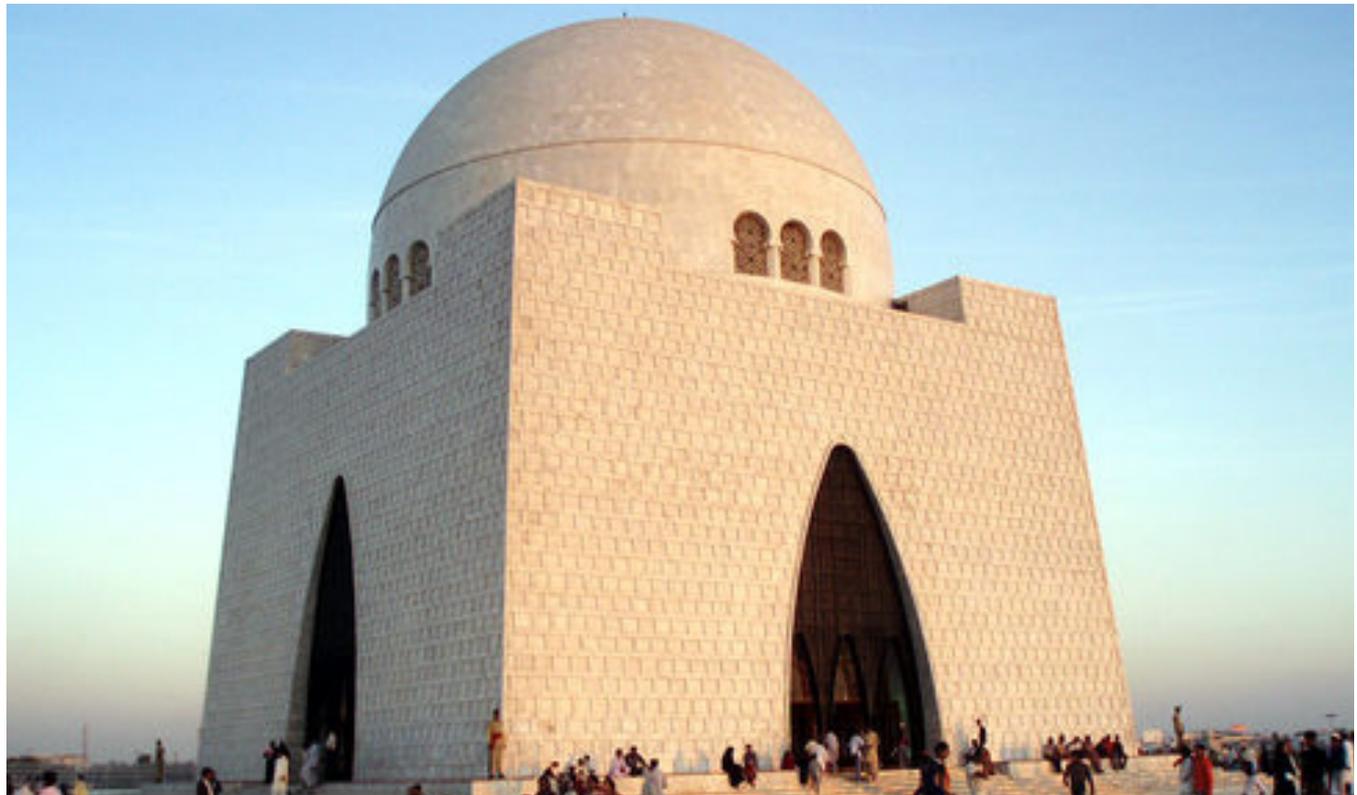
# The Karachi Edge

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 million inhabitants belonging to different faiths, and ethnicities, with a majority of the population comprising of descendants of migrants from India. Other ethnicities include Pashtuns, Sindhi, Punjabi, Gilgiti, Balochi, and Afghans, 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 Muhammad Bin 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 largest 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 who have the pleasure of experiencing its everlasting charm.



Source:

**Karachi's population**

<http://worldpopulationreview.com/world-cities/karachi-population/>

# The Pakistan Edge



The Islamic Republic of Pakistan has a population of approximately 207 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 exports including textiles, leather and 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 development priority for the country. Despite limited educational budgets, Pakistan has managed to successfully establish and run several world-class educational institutes, including the IBA, Karachi and other public and private universities. A few internationally renowned academics and intellectuals 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, Sharmeen Obaid-Chinoy to name a few.

Source:  
**Pakistan's population**  
<http://www.pbs.gov.pk/content/population-census>

# Calendar of holidays

## Gazetted/public holiday 2019

Eid-ul-Fitr*	5, 6 and 7 June, 2019
Eid-ul-Azha*	12,13 and 14 August, 2019
Independence day	14 August, 2019
Ashura*	9 and 10 September, 2019
Eid Milad-un-Nabi*	10 November, 2019
Birth anniversary of Quaid-e-Azam	25 December, 2019

## Local/optional holidays 2019

Urs of Shah Abdul Latif Bhittai (14 Safar)*	13 October, 19
11 Rabi ul awal**	9 November, 19
APS Peshawar Holiday**	16 December, 19
Death Anniversary of late Benazir Bhutto**	27 December, 19

## Gazetted/public holiday 2020

Kashmir day	5 February, 2020
Pakistan day	23 March, 2020
Labour day	1 May, 2020
Eid-ul-Fitr*	24, 25 and 26 May, 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*	29 October, 2020
Birth anniversary of Quaid-e-Azam	25 December, 2020

## Local/optional holidays 2020

Death anniversary of late Zulfiqar Ali Bhutto**	4 April, 2020
Urs of Shah Abdul Latif Bhitai (14 Safar)**	3 October, 2020
11 Rabi-ul-Awal**	28 October, 2020
APS Peshawar holiday**	16 December, 2020
Death anniversary of late Benazir Bhutto**	27 December, 2020

\* Subject to moon sighting

\*\* Subject to receiving notification from the Government of Sindh

# Excerpts of the academic calendar 2019-2020

June 10, 2019  
to  
August 2, 2019

**Summer  
semester  
2019**

January 15, 2020  
to  
May 21, 2020

**Spring  
Semester  
2020**

August 21, 2019  
to  
December 23, 2019

**Fall  
semester  
2019**

June 5, 2020  
to  
July 28, 2020

**Summer  
Semester  
2020**

December 7, 2019

**Convocation  
2019**

August 21, 2020

**Fall  
Semester  
2020**

August 20, 2019 (Fall 2019)  
January 14, 2020 (Spring 2020)

**Orientation  
days**

September 9 and 10, 2019

**Ashura\***

(\*subject to sighting of the moon)

# 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-story 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 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 B.S. (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

## 2005

- Ph.D. in CSE, MIS and ICT was offered

## 2008

- 4-year BCS degree title renamed to B.S. (Computer Science)
- B.S. (Software Engineering) and B.S. (Information Technology) were offered
- A two-year M.S. (Computer Science), M.S. (Information Technology) and M.S. (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)

## 2010

- Enterprise Resource Planning (ERP) was implemented
- The Center for CS and MIS was renamed to Faculty of Computer Science
- M.S. (Economics) program was introduced
- Dean's List and the Best Final Year Project awards were introduced
- MoU was signed with Babson College, USA

## 2011

- MBA curriculum was revamped, requiring a minimum of two years of relevant work experience
- Ph.D. (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

## 2012

- Learning Management System (LM.S.) was implemented
- Alumni crossed the 10,000 graduates mark
- A four-year B.S. (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
- M.S. Mathematics, Ph.D. Mathematics and M.S. programs leading to Ph.D. in Economics and Mathematics were launched
- The IBA was registered as an education provider of the Project Management Institute (PMI), USA

## 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 B.S. Accounting and Finance program
- MoU was signed with the Institute of Bankers Pakistan (IBP) for the B.S. 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

## 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
- Centre for Excellence in Journalism (CEJ-IBA) was established through an agreement between IBA and the US State department
- Ph.D. in Computer Science was offered
- MoU was signed with the Chartered Institute of Management Accountants (CIMA) for the B.S. Accounting and Finance program

- MoU was signed with the Association of Chartered Certified Accountants (ACCA) for the B.S. Accounting and Finance program

## 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

## 2016

- Aman Tower, a 14-story building was inaugurated at the city campus
- Centre for Excellence in Journalism (CEJ-IBA) was established in collaboration with the Medill School of Journalism at Northwestern University
- 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 M.S. 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 M.S. Journalism program
- B.S. in Economics was introduced
- Approval of M.S. (Management) program by HEC

## 2019

- Extensive work has been carried out by planting 2000 fruit trees in the premises of the Institute for a sustainable environment at the IBA
- Installation of 4 auto chlorination plants to provide clean water to students, faculty and staff

# PROGRAM

## ANNOUNCEMENT

2019-20

### Main Campus

📍 University Enclave, University Road,  
Karachi - 75270 Pakistan

☎ UAN: 111-422-422

📠 Fax : 92-21-99261508

🌐 [www.iba.edu.pk](http://www.iba.edu.pk)

✉ [info@iba.edu.pk](mailto:info@iba.edu.pk)

### City Campus

📍 Plot # 68 and 88 Garden / Kiyani Shaheed Road,  
Karachi - 74400 Pakistan

☎ UAN: 111-422-422

📠 Fax : 92-21-38103008

🌐 <https://www.facebook.com/IBAKHIPK/>

🐦 [www.twitter.com/ibakarachi](https://www.twitter.com/ibakarachi)

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