



Institute of
Business Administration
Karachi

Leadership and Ideas for Tomorrow

Program Announcement

2022-23



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Message from the Executive Director

I welcome you all to what is going to be a life-changing experience for each one of you. You are the honoured new admissions to IBA's Class of 26 and have managed to get admitted into one of Pakistan's best institutions of higher learning. Congratulations on this huge achievement! You should feel an immense sense of pride and achievement at having secured admission to the IBA and ought to be prepared for what we know will be the best years of your life.

The IBA has a stellar history of almost seven decades, with high academic standards and ethical values, and I hope all of you will quickly assimilate these traits which are part of our 16,000 plus global alumni network. The IBA offers a very high standard of learning and education, and I am convinced that this process of education will benefit each one of you immensely. Apart from class learning, the IBA also has a large number of student societies and numerous and varied extracurricular activities which all of you should partake in and benefit from.

The IBA journey is one of high academic standards but do remember that the educational experience is also one of fun and joy. In this process of acquiring your degrees and learning, don't forget to enjoy yourself. The IBA will support you in every way possible as you pursue your dreams and goals.

Dr. S Akbar Zaidi
Executive Director

Message from the Registrar



The Office of the Registrar envisions a learning experience for students that ascertains personal and professional growth during their time at the institute. Our team, derived from a diverse background of expertise in their designated domains, works as a catalysing mechanism to facilitate a seamless transition of quality education.

We believe that the evolving times require innovative and adaptive approaches to guarantee a safe and healthy environment for the students; our pledge to ensure a vaccinated community for the institute has been achieved by the launch of an on-campus vaccination drive in collaboration with the Health Department, Government of Sindh.

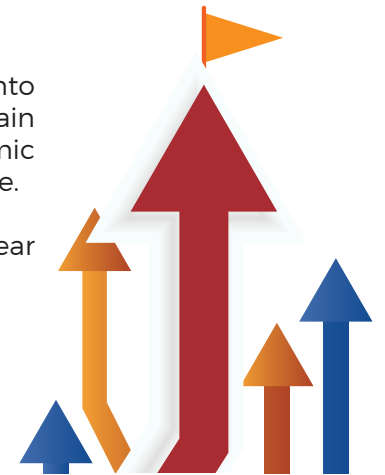
Furthermore, facilitating outstation students with quality residence has been a priority that has enabled us in the launch of Girls hostel extension to increase capacity for at least 100 more female students. In addition to this, we envisage an addition of more than 120 rooms at the Boys Hostel in the next two to three months.

Our team will be a vital and strategic organization by supporting the academic life of the student through collaborative engagement, and extraordinary support services. The quest for a state-of-the-art experience continues as we pace towards achieving remarkable milestones in digitalization processes for the entire student life (Admissions to Alumni Services).

This package has been designed to provide you an insight into the academic programs and on-campus activities. We are certain that as the IBA Karachi evolves with the modern academic experience, our assistance will be available at your convenience.

We wish you a remarkable academic experience in the year ahead.

Dr. Mohammad Asad Ilyas
Registrar



VISION

To be among
the best
learning
institutions in
Pakistan.

MISSION

To impart quality education in
numerous educational fields to
students selected on merit
irrespective of ethnicity, gender,
religion, or financial means.

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

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

VALUES

Discipline

Discipline requires self-regulation and adherence to an established code of conduct. Discipline facilitates the smooth functioning of the institute and is essential for an IBA student.

Creativity

Creativity breeds innovation which is critical for an institution to expand its frontiers. IBA students are encouraged to generate new ideas to attain their goals.

Tolerance

Tolerance represents the ability and willingness to accept and coexist with other opinions and behaviors. Tolerance is an essential characteristic of successful individuals and societies.

Integrity

Integrity suggests the quality of being honest and having strong moral principles. Integrity is crucial to the reputation of individual students as well as that of the IBA.

Teamwork

Teamwork requires harmonizing individual effort to achieve a common goal. Without teamwork, individual efforts can be wasted and institutions can suffer.

Academic Calendar 2022-23

FALL SEMESTER 2022

Online Course Registration	August 05-20, 2022
Orientation	August 26 & 28, 2022
Semester begins	August 22, 2022 (Monday)
Semester ends	December 22, 2022
Total days	123
Total Sundays	17
Holidays	-
Teaching days	84
Midterm exams	October 10-15, 2022
Mid-semester break	October 17-22, 2022
Faculty evaluation	November 21 - December 03, 2022
Final exams	December 12 - December 22, 2022
Results of Final Examinations	January 06, 2023

SPRING SEMESTER 2023

Online Course Registration	January 01-12, 2023		
Orientation Day	January 12, 2023 (Thursday)		
Semester begins	January 13, 2023 (Friday)		
Semester ends	May 23, 2023		
Total days	131		
Total Sundays	19		
Holidays	5		
List of holidays (On weekdays)			
Pakistan Day	Death anniversary of late Zulfiqar Ali Bhutto	Eid-ul-Fitr (*)	Labor Day
Thursday, March 23	Tuesday, April 04	Saturday & Monday, April 22-24	Monday, May 01
Teaching days	85		
Midterm exams	March 01- 07, 2023		
Mid-semester break	March 08 - 14, 2023		
Faculty evaluation	April 17 - May 04, 2023		
Final exams	May 12 - 23, 2023		
Results of Final Examinations	June 07, 2023		

SUMMER SEMESTER 2023

Online Course Registration	June 05- 08, 2023
Semester begins	June 09, 2023 (Friday)
Semester ends	August 08, 2023
Total days	61
Total Sundays	9
Holidays	5

List of holidays (On weekdays)

Eid-ul-Azha (*)	Ashura (*)
Thursday to Saturday, June 29-July 01	Friday to Saturday, July 28-29
Teaching days	42
Midterm exams	July 07 - 08, 2023
Reserved day (+)	July 10, 2023
Faculty evaluation	July 24 - August 05, 2023
Final exams	August 07 and 08, 2023
Results of Final Examinations	August 15, 2023

FALL SEMESTER 2023

Orientation Day	August 20, 2023 (Sunday)
Semester begins	August 21, 2023 (Monday)

Important information / notes:

- IBA Karachi reserves the right to change/update the academic calendar whenever it deems suitable.
- (*) The holidays mentioned above are subject to the sighting of the moon.
- (+) Reserved week will accommodate unanticipated situations/student activities / extra sessions.
- Summer Orientation Program / Remedial Program Classes 2023 (Only for the new admissions of MBA Program Fall 2023 Semester): June 19, 2023, to August 19, 2023.
- Short winter semester 2023: December 30, 2022, to January 12, 2023.
- The comprehensive examinations (MBA / MBA-Executive) will be conducted by the Examination Department on August 20, 2022 and January 21, 2023, respectively. For PhD programs, the comprehensive examination dates will be communicated directly to the students based on the approval from the Deans of the relevant schools.

Programs on offer

The admissions schedule can be accessed here: https://admissions.iba.edu.pk/admissions_schedule.php

S. No.	Information	Bachelor of Business Administration (BBA)						Bachelor of Science (BS)							
		Computer Science		Economics and Mathematics		Economics	Social Sciences and Liberal Arts	Accounting and Finance	Mathematics						
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) Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.		Higher secondary school certificate (Pre-engineering or general group with mathematics) with minimum 60% marks or A levels (minimum of 1 'B' and 2 'C's) in 3 principal subjects including Mathematics or American high school diploma minimum of 80% or An international baccalaureate (minimum 24/45) Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.		Higher secondary school certificate (any group with 60% marks) or A levels (minimum of 1 'B' and 2 'C's) in 3 principal subjects or American high school diploma (minimum of 80%) or An international baccalaureate (minimum 24/45) Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.		BS-Mathematics applicants must possess a mathematics background at the high school level. Applicants must have completed: Higher secondary school certificate (Pre-engineering or General group with mathematics) with minimum 60% marks or A levels (minimum of 1 'B' and 2 'C's) in 3 principal subjects including Mathematics or American high school diploma minimum of 80% or An international baccalaureate (minimum 24/45) Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.							
2	Aptitude test component	English composition (MCQs) Mathematics (MCQs)		English composition (MCQs) Mathematics (MCQs)		English composition (MCQs) Mathematics (MCQs)									
3	Aptitude test - difficulty level	SAT-I		SAT-I and SAT-II (Mathematics)		SAT-I									
4	Aptitude test exemption*	Refer to the next page													
5	Student profile	Avg. age: 19													
6	Graduation requirement	40 courses, 128 credit hours, responsible citizen initiative (RCI), corporate internship Personal effectiveness course (PE)		41 courses, 131 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship Personal effectiveness course (PE)		40 courses, 128 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship Personal effectiveness course (PE)		40 courses, 126 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship Personal effectiveness course (PE)		39 courses, 125 credit hours, 1 culminating experience/thesis, responsible citizen initiative (RCI), research internship (8-10 week) Personal effectiveness course (PE)		40 courses, 126 credit hours, responsible citizen initiative (RCI), corporate internship Personal effectiveness course (PE)		40 courses, 128 credit hours, 1 research project Personal effectiveness course (PE)	
7	Fees	Click here to view the fee structure https://www.iba.edu.pk/fee-structure.php													
8	Classes start	August													
9	Duration	4 years full time													
10	Campus	main/city													

*Criteria for IBA Aptitude Test exemptions

BBA & BSAF program – SAT I	BSSS & BS ECO program - SAT I	BSCS & BS Mathematics Program – SAT I	BSEM – SAT I
<ul style="list-style-type: none"> A score of 600 (out of 800) in Mathematics A score of 600 (out of 800) in Evidence-Based Reading and Writing Total of 1270 is required. Scores of Essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission 	<ul style="list-style-type: none"> A score of 600 (out of 800) in Mathematics A score of 600 (out of 800) in Evidence-Based Reading and Writing Scores of Essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission 	<ul style="list-style-type: none"> A score of 670 (out of 800) in Mathematics A score of 600 (out of 800) in Evidence-Based Reading and Writing Scores of Essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission 	<ul style="list-style-type: none"> A score of 640 (out of 800) in Mathematics A score of 600 (out of 800) in Evidence-Based Reading and Writing Scores of Essay are not required for the purposes of admission, however may preferably be submitted for placement in English courses subsequent to admission
BBA program - ACT <ul style="list-style-type: none"> A Composite Score of 29 (out of 36) An English / Writing Score of 25 (out of 36) 	BSSS program - ACT <ul style="list-style-type: none"> A Composite Score of 28 (out of 36) -An English / Writing Score of 25 (out of 36) 	BSAF, BSCS, BSECO and BSEM program - ACT <ul style="list-style-type: none"> 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 	



S. No.	Information	MBA		MBA Executive	Master of Science (MS)								Doctor of Philosophy (PhD)				
		Morning	Evening	Various specializations	Marketing	Computer Science	Economics full time part time	Mathematics full time part time	Islamic Banking and Finance	Management	Data Science	Finance	Development Studies	Economics	Computer Science	Mathematics	
1	Admission requirement	<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available. (Candidates with work experience will be preferred).</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>		<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available. A minimum of 3 years of post-qualification work experience is a mandatory requirement.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS/MSc - Mathematics, Physics, Computer Science, or Statistics) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available. All equivalency claims shall be evaluated by the HEC.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in degree (such as Computer Science, Statistics, Economics, Mathematics, Accounts & Finance, Physics, etc.) and Engineering (Electrical Engineering, Electronics Engineering, etc.) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>A minimum of 16 years of education (culminating in BS / BBA / BE or equivalent degree) out of which 4 years should have been spent in an HEC recognized university/degree awarding institute with 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered in case CGPA is not available. Candidates with work experience are preferred.</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>	<p>MS/MPhil/equivalent in relevant subject from HEC recognized local/foreign university with: minimum 60% aggregate marks (Percentage is only considered in case of CGPA is not available) 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</p> <p>Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.</p>					
2	Aptitude test component	<ul style="list-style-type: none"> English composition (MCQs) English comprehension (essay writing skills) Mathematics (MCQs) 		<ul style="list-style-type: none"> Business English (MCQs) Case study Applied Mathematics (MCQs) 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) Essay writing 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) Subject specialization 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) Subject specialization 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) 	<p>Fall Semester (for NON-CS stream only)</p> <ul style="list-style-type: none"> English (MCQs) Mathematics (MCQs) <p>Spring Semester (for CS stream only)</p> <ul style="list-style-type: none"> English (MCQs) Mathematics (MCQs) Computer Science (MCQs) 	<ul style="list-style-type: none"> English Composition (MCQs) Mathematics (MCQs) Finance (MCQs) 	<ul style="list-style-type: none"> English Composition (MCQs) Mathematics (MCQs) Essay writing 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) Subject specialization 	<ul style="list-style-type: none"> English composition (MCQs) Mathematics (MCQs) 			
3	Aptitude test - difficulty level	GMAT/GRE		GMAT/GRE	GRE general and GMAT	GRE general + specialization		TOEFL or IELTS GRE (int'l) math subjective test	GRE general and GMAT		GRE general		GRE General or GMAT exam	GRE general	TOEFL or IELTS GRE general + specialization	CS subject test	TOEFL or IELTS GRE Math subjective test
4	Aptitude test exemption	Minimum 600 score in GMAT/160 in quantitative and 150 in verbal GRE (int'l)		Minimum 600 score in GMAT/160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitative and 150 in verbal GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test	160 in quantitative and 150 in verbal GRE (int'l) 600 score in GMAT		Minimum 600 scores in GMAT /160 in Quantitative & 150 in the Verbal section of GRE required		Minimum score of 650 in the Quantitative GRE General, 160 in Quantitative section of Revised GRE General, OR 600 score in GMAT	160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitative and 150 in verbal GRE (int'l)		60 percentile in GRE (int'l) Maths subjective test
5	Student profile	Avg. age: mid 20s		Avg. age: mid 30s Avg. work experience: 7 years	Avg. age: mid 20s	Avg. age: mid 20s		Avg. age: mid 20s	Avg. age: mid 20s		Avg. age: mid 20s		Avg. age: mid 20s	Avg. age: mid 20s		Avg. age: 26	
6	Graduation requirement	25 courses, 1 project, 72 credit hours, duration 24 months, comprehensive exam, (corporate internship for non-BBA background)	25 courses, 1 project, 72 credit hours, duration 42 months, comprehensive exam	22 courses, 1 project, 72 credit hours, 1 project, comprehensive exam	6 core courses, 4 electives, 30 credit hours, thesis/project, 6 credit hours	MS without Thesis 9 courses (27 credit hours) and a MS Project (3 credit hours), or MS with Thesis: 8 courses (24 credit hours), MS Thesis-I (3 credit hours) and MS Thesis-II (3 credit hours)	42 credit hours, 12 courses and 1 thesis 6 credit hours, 36 credit hours through courses, 6 credit hours through thesis	6 core courses, 2 electives, 24 credit hours, thesis 6 credit hours	MS core and elective courses: 12 courses, 36 credit hours, Research thesis or Project Paper*: 6 credit hours	6 core courses, 2 area core courses, 2 electives, 30 credit hours, thesis/project, 6 credit hours	MS without Thesis 9 courses (27 credit hours) and a MS Project (3 credit hours), or MS with Thesis: 8 courses (24 credit hours), MS Thesis-I (3 credit hours) and MS Thesis-II (3 credit hours)	7 courses, 3 electives, (30 credit hours), Thesis/project (6 credit hours)	8 courses (30 credit hours) and 1 thesis (6 credit hours), OR 6 courses (24 credit hours) and 1 thesis (6 credit hours) for students exempted from 2 foundation courses Note: (Interview panel will decide which students are exempted from foundation courses.)	11 courses, 1 dissertation, 67 credit hours	8 courses, 24 credit hours, Proposal Defense, and Dissertation, 6 credit hours	6 courses, 18 credit hours, comprehensive exam, synopsis proposal, dissertation	
7	Fees	Click here to view the fee structure https://www.iba.edu.pk/fee-structure.php															
8	Classes Start	August		August and January	August	August		August		August		August		August and January			
9	Duration	2 years	4 years	3 years	1.5 years	2 years		1.5 years	2 years		1.5 years		4 years				
10	Campus	main	main/city	main	main	city	main/city		main		main		main/city				



Academic Programs

School of Business Studies (SBS)

SBS is the largest and flagship School in IBA. The SBS is a leading business school in Pakistan with a state-of-the-art campus which follows the best international standards and offers faculty and students a unique learning and teaching experience. SBS is proactively pursuing the AACSB accreditation and has already achieved a key milestone in the AACSB journey. SBS faculty comprises distinguished experts across a variety of business disciplines and hold doctorates from world-renowned universities. The school offers a wide range of programs in different management disciplines to train a new generation of high-potential executives.

Bachelor of Business Administration (BBA)

Program Coordinator: Dr. Asim Shabir

The BBA program is a full-time 128 credit hours program comprising of four years of rigorous education which allows the student to have a broader view of the business world. Although there are no formally labelled specializations, students can opt for any combination of electives from Marketing, Accounting, Finance, Supply Chain, Human Resource Management (HRM), and Entrepreneurship. Based on the feedback from the alumni and human resource representatives of major corporations, the IBA has included experiential learning into the curriculum. Students must undergo two internships (one as a responsible citizen initiative in an NGO and another in a corporate organization) and a semester long experiential learning project (ELP), which is in the form of a project awarded by corporate clients, an on-the-job training in the real business environment.

Bachelor of Science (BS) Accounting and Finance

Program Coordinator: Dr. Muhammad Asif Jaffer

The BSAF program is a full time 126 credit hours program comprising 4-year of rigorous education. The program is designed to provide an exclusive opportunity to students to receive specialization in Accounting and Finance. The graduates of this program obtain multiple exemptions from the Institute of Chartered Accountants of Pakistan (ICAP) and Association of Chartered Certified Accountants (ACCA). Furthermore, Chartered Institute of Management Accountants (CIMA), Institute of Cost and Management Accountants of Pakistan (ICMAP) and Institute of Bankers Pakistan (IBP) also provide exemptions on a case-to-case basis to the program graduates.

Master of Business Administration (MBA)

Program Director: Dr. Muhammad Talha Salam

The MBA program at IBA Karachi is among the pioneering business programs in the region. Quality intake, academic rigor, and active industry engagement are hallmarks of the MBA program. The alumni include professionals that have not only gone on to take top positions in world-class organizations but have also established successful businesses.

Master of Business Administration (MBA) Executive

Program Director: Dr. Muhammad Talha Salam

The MBA Executive program is structured for working professionals from diverse backgrounds. The program develops cross-functional competencies for participants and further adds depth with a rich experiential exchange. An innovative learning experience based on case studies and simulations provides participants an opportunity to leap from managerial to leadership roles.

Master of Science (MS) Finance

Program Coordinator: Dr. Nauman J. Amin

MS Finance was launched in the fall of 2020 as a specialized postgraduate program, designed to provide a solid theoretical foundation, as well as computational skill set for successful career in the field of finance. This program is designed to prepare graduates for challenges in the domestic and global financial system by imparting comprehensive knowledge of finance and its multidisciplinary aspects. Students gain in-depth knowledge with core courses in corporate finance and investments.

Master of Science (MS) Islamic Banking

Program Director: Dr. Irum Saba

MS IBF is a 42 credit hours program to be completed in a minimum duration of 1.5 years and a maximum duration of 4 years as approved by the HEC. It is offered for fresh graduates from business and other disciplines, experienced practitioners as well as Shariah scholars. The program is designed to meet the growing needs of the Islamic Finance industry by providing theoretical and applied knowledge of Islamic Finance, Islamic Jurisprudence, Banking and Economics. Graduates of the program will have promising career prospects in academia and in the local and international Islamic Finance industry. The MS IBF program is offered for both full-time and part-time (working) students.

Master of Science (MS) Management

Program Director: Dr. Ashar Saleem

MS Management program is designed to prepare students for high quality research and in-depth analysis. Currently we offer specializations in Strategy and Operations Management. The program is aimed at challenging students intellectually and enabling them to make contributions towards the knowledge and practice of Management. Our graduates are working in organizations as business analysts, consultants, and academics.

Master of Science (MS) Marketing

Program Coordinator: Dr. Nida Aslam Khan

MS Marketing program aims to drive students on a journey from the basic level to the highest conceptual areas and philosophies of marketing. The degree will engage the students in a manner which takes a pragmatic and applied approach to learning, enabling them to solve business problems realistically, identify opportunities and challenges while working in teams.

School of Economics and Social Sciences (SESS)

SESS is an amalgamation of two academic departments and two research centers. The two academic departments are Department of Economics, and the Department of Social Sciences and Liberal Arts (SSLA), and the two research centers include Center for Business and Economic Research (CBER) and Population Research Center (PRC).

The SESS has a faculty comprising of seasoned academics, out of which 37 faculty members have PhDs. The Economics department's faculty employs diverse teaching and research methods in their scholarly work and is highly specialized in the fields of Development Economics, Applied Economics, Macroeconomics, Trade, Industrial Organization and Labor Economics. The department of Social Sciences and Liberal Arts prepares students in wide range of academic disciplines including, Philosophy, History, Literature, Political Science, Urban Studies, Media Studies, Anthropology, and Journalism.

Bachelor of Science (BS) Economics

Program Director: Dr. Heman Das Lohano

BS Economics program is designed to give students a solid foundation in Economics and prepares the students for entry level positions in private and public sector corporations, development organizations, banks, education, and research organizations.

Bachelor of Science (BS) Economics and Mathematics

Program Director: Dr. Heman Das Lohano and Dr. Danish Ali

BS Economics and Mathematics program 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.

Bachelor of Science (BS) Social Sciences and Liberal Arts

Program Coordinator: Dr. Shehram Mokhtar

BSSS is an interdisciplinary program that provides students a well-rounded knowledge base in a range of disciplines within social sciences and humanities. With a strong intellectual grounding in humanistic inquiry and social sciences research, the program fosters analytical reasoning, critical thinking, and problem-solving skills and prepares students for leadership roles and service to the society.

Master of Science (MS) Development Studies

Program Director: Dr. Ahmed Azher

MS Development Studies is a multi and inter-disciplinary program that explores critical topics of development theory and practices, viewing development as a complex and ongoing historical process. Development Studies also encompasses policy debates around the need for accommodating varied local, grassroots responses to regional or global processes.

Master of Science (MS) Economics

Program Director: Dr. Wali Ullah

MS Economics program is designed to provide a solid background in theory, quantitative methods, and applications appropriate to the needs of economists. The program prepares the students for careers in universities, research organizations, development organizations, business enterprises, government organizations and multinational companies.

PhD Economics

Program Director: Dr. Wali Ullah

PhD Economics program is designed to provide a strong background in theory, quantitative methods, and applications appropriate to the needs of economists. Students will find the program to be intellectually challenging and personally rewarding, and will be prepared for careers in universities, research organizations, and development organizations.

School of Mathematics and Computer Science (SMCS)

SMCS is one of the fastest-growing science schools in Pakistan. It models itself among the country's best research and teaching in sciences and allied fields. SMCS has a highly qualified faculty comprising experienced practitioners and researchers that enrich teaching, provide business consultancies, support startups, and prepare students for industry. The school has a state-of-the-art facility focusing on undergraduate and graduate education balanced with research and emphasizing leadership, service, and ethics. The research labs for Artificial Intelligence, Web Science, Big Data and Telecommunications allow computer science students to delve deep into the technological realm. In contrast, the mathematics program offers a thorough background in theory, quantitative matter and applications commensurate with international standards.

Bachelor of Science (BS) Computer Science

Program Coordinator: Dr. Imran Rauf

The BS Computer Science (BSCS) program is a 4-year degree program that aims to develop students' breadth of knowledge across the subject areas of computer science as well as accounting, business, finance, social sciences, liberal arts, and other areas. It offers rigorous training to educate students to become skilled professionals with problem-solving capability in CS and allied areas. It also prepares students for research and further education.

Bachelor of Science (BS) Mathematics

Program Coordinator: Dr. Babar Ahmed Qureshi

BS Mathematics is a 4-year degree program. Its uniqueness lies in the offer of earning concentrations in allied areas of sciences while adhering to the mathematics core. The flexibility and diversity that this scheme offers to students in studying mathematics aligned with the current common structure of the BS-Math programs worldwide, while keeping in line with HEC guidelines. Regular academic, as well as professional career development guidance is also available to students to help them cope with challenges more effectively.

Master of Science (MS) Computer Science

Program Coordinator: Dr. Tariq Mahmood

The MS Computer Science (MSCS) program offers students with a master's degree in CS or allied areas, providing them the opportunity to take their skills to the next level with specialized professional and research-oriented training. The curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently. It also prepares students for doctoral studies.

Master of Science (MS) Data Science

Program Coordinator: Dr. Tariq Mahmood

Data Science lies at the intersection of machine learning, statistics, and big data analysis. The MS Data Science (MSDS) program prepares students to extract valuable insights from data in a state-of-the-art manner. The program is designed for students who want to begin or advance their careers in data science. It offers a blend of statistical and Bayesian modeling, machine learning, deep learning, management of massive data sets, data visualization, software engineering and data ethics.

Master of Science (MS) Mathematics

Program Director: Dr. Danish Ali

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

PhD Computer Science

Program Coordinator: Dr. Imran Rauf

The PhD Computer Science program fully encourages graduate scholars who aim to make a significant contribution to their field through original research. It offers specializations including Artificial Intelligence, Computer Vision, Data Science, and Theoretical CS. The program develops the candidates professional as well as research competences so that they will gain recognition by national and international employers. The scholars are expected to immerse themselves in research to comply to a strong and vibrant research culture at the institute.

PhD Mathematics

Program Director: Dr. Danish Ali

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



Deans and Chairpersons

Deans



Dr. Abdullah Zafar Sheikh
School of Business Studies (SBS)
PhD, University of Nottingham, UK



Dr. Asma Hyder
School of Economics and Social Sciences (SESS)
PhD, National University of Sciences and Technology, Pakistan & Sussex University, (Post-Doc), University of Pennsylvania, USA



Dr. Shakeel Khoja
School of Mathematics and Computer Science (SMCS)
PhD (Computer Science), (Post-Doc Fellowship), University of Southampton, UK

Chairpersons

Accounting and Law



Mr. Haroon Tabraze

Computer Science



Dr. Shahid Hussain

Economics



Dr. Muhammad Nasir

Finance



Dr. Sana Tauseef

Management



Dr. Nyla Aleem Ansari

Marketing



Dr. Farah Naz Baig

Mathematical Sciences



Dr. Hisham Bin Zubair

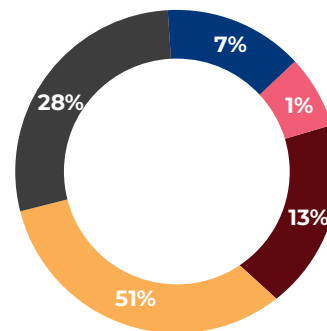
Social Sciences and Liberal Arts



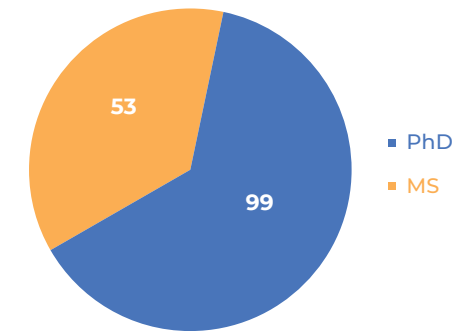
Dr. Sahar Nadeem Hamid

Full-time Faculty at a glance

PhD (Foreign)	82
PhD (Local)	17
Masters (Foreign)	34
Masters (Local)	19
Total	152
Pursuing Higher Education (Abroad)	19
Pursuing Higher Education (Local)	05
Total	24



- Professor
- Associate Professor
- Assistant Professor
- Lecturer
- Teaching Fellow



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. If a student accumulates more than the permissible absences, they are awarded 'F' in that course. Students found tampering with attendance records in any way will immediately be expelled from the Institute. The permissible number of absences for students will include participation of the IBA students in conferences/seminars/events, sports at national/international level, an exchange program, religious activities (pilgrimage etc.) and add-drop week.

Permissible absences per semester are mentioned in the following table

Semester type	Duration of session	Total sessions	Allowed absences
Spring or Fall time students	75 or 90 minutes	28	5 for full-time students 7 for part-time students
Spring or Fall time students	150 or 180 minutes	14	2 for full-time students 3 for part-time students
Spring, Summer, Fall	180 minutes	12 MBA-Executive only	3
Summer	120 minutes	21	3
Winter	180 minutes	12	2

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

Cheating and plagiarism

The IBA maintains a strict policy on academic impropriety based on its zero-tolerance for such activity. Strict disciplinary action will be taken against any student found cheating or using unfair means in examinations. He/she may be suspended or expelled from IBA and declared ineligible for re-admission. A booklet highlighting IBA's policy on plagiarism is available on the portal for all students to read and comply. Mobile phones, smart watches and any other communication devices are strictly prohibited during examinations. A fine of Rs. 10,000 to Rs. 20,000 shall be applied to students who violate this rule.

Transfer of credits

Students of MBA Evening Program may seek advance credit for not more than two required courses, which they may have successfully completed while being students in the certificate program. They are subject to the following conditions:

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

Additional course policy for undergraduate programs

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

If a student has a course deficiency due to failure in a course, it may be overcome by taking one additional course in their 7th or 8th semester. There is no minimum CGPA requirement in the aforementioned cases and students may enroll in an additional course without obtaining special permission from the Dean. All other students are required to follow the semester-wise course load given below for their respective program including non-credit courses. Students are also encouraged to make up their deficient courses during summer semesters.

Normal course load for undergraduate programs

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

Programs	Semester (credit hours)							
	01	02	03	04	05	06	07	08
BBA	15	18	18	15	16	16	15	
BS (Accounting and Finance)	18	18	15	15	16	15	15	
BS (Computer Science)	16	19	17	17	16	16	12	18
BS (Economics and Mathematics)	15	15	16	15	17	16	19	15
BS (Economics)	15	15	15	15	16	16	19	15
BS (Social Sciences and Liberal Arts)	15	15	16	16	16	16	16	18

Normal course load for graduate programs

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

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

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



Rules and Regulations

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 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 or downloadable from the IBA portal) to the respective Program Office within one week after announcement of the midterm examinations result.

Semester freeze

Semester freeze (or break) is a semester in which a student is not registered for any course due to personal reasons. Any student availing one or more semester freeze must complete the degree requirements before the stipulated time bar for the program in which they are enrolled. Every student who wishes to avail a semester freeze must formally inform the Program Office about it at least one week before commencement of the semester. If a semester freeze is required during a semester, then the application must be submitted to the Program Office at least one week before the commencement date of final exams for that 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 make-up exam may be approved with a deduction of 15% of obtained marks. Make-up exam fee of Rs. 10,000 per course shall also be applicable.

(ii) MBA Evening/MBA Executive/MS program students

MBA Evening, MS, or MBA Executive program students, who are engaged with some emergency official work or sent out of Karachi on official assignments (during the exams) 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:

- This facility will only be availed once for either a midterm exam or a final exam of each course in a semester.
- The concerned student shall be required to provide the following documents at least one week before the scheduled exam:
 - A certificate/official letter from their organization giving details of their official assignment.
 - Evidence of official travel comprising tickets or other documents as applicable.
 - 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:

- Personal illness requiring hospitalization or emergency medical care.
- Bereavement due to demise of a parent, spouse, sibling or offspring.
- Severe illness of a relative (parent, spouse) e.g., their hospitalization for surgery or due to critical medical condition.
- Out of town travelling (official visit) for part-time students as mentioned above (II a and b).
- Participation in an IBA approved event/conference.

All applicants will have to submit a request on the Student Facilities System (SFS) and produce verifiable documentary evidence to substantiate their request within 3 weeks of midterm exam and 6 weeks of final exam. Medical documents would require authentication by recognized hospitals for acceptance as evidence. Hard copies of evidence may be required. Similarly, proof of travelling (copies of tickets, passport visa page and entry/exit endorsement pages), official letter from employer are required for official visit cases.

Decision of a make-up exam

The Academic Council (AC) may on the recommendation of the concerned program director/coordinator and faculty member, consider allowing make-up exam. The council's decision in this regard shall be final. A make-up exam may be requested for either a midterm or final exam of each course in a semester. In case a student misses their midterm/final exam due to the 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. If an exam is missed due to some reason other than the abovementioned circumstances, then a deduction of 15% obtained marks shall be applicable if the case gets approved by the AC. However, if the AC is not satisfied with the genuineness of the case, then the grade applicable with respect to obtained marks shall be awarded by the course teacher.

Make-up exam fee

Rs. 10,000/- per course

Mode of make-up exam

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

Or

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

Rechecking of final paper

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

Grading and evaluation

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

Faculty members have the option of choosing either the absolute or relative grading scheme and may also decide the percentage for A, B, and C grade. A cumulative grade point average (CGPA) is computed as a weighted average of the grade points and credit hours for all the courses taken by the student at the end of every semester. Final grades in each course are converted to grade points according to the following absolute grading plan:

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

CGPA = Sum of (credit hours x grade points)/sum of credit hours.
The initial CGPA of MBA Evening and MS program students is calculated based on the first 6 and 3 courses taken by them respectively.
The credits for courses studied from any of the top 100* universities of the world, LUMS, KSBLL and the universities with which IBA has Memorandum of Understanding (MoU) for student exchange, will be included in their CGPA after approval by the Academic Board of the IBA. However, the credits for grades earned from universities/institutes other than those mentioned above will be decided on a case-to-case basis by the Academic Board (AB) and will not be included in the CGPA calculation. This will be applicable for all degree programs at IBA.
*Top 100 refers to Times Higher or QS Education Ranking.

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 undergraduate degree programs, full-time MBA, and spring, summer and fall for MBA Executive students. It is also displayed on the portal and website. There are separate lists for each full-time program. All credit courses will be counted.

A position on the Dean's list entitles the student to wear the IBA logo in a star on their ID card as a symbol of distinct identification which also allows them to avail benefits such as book discounts. Additionally, the said special mark will be displayed on the high achiever's transcript and against their entry in the graduate directory.

Criteria For Dean's List

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

- The cumulative grade points average (CGPA) must be greater than or equal to 3.5.
- The student must have completed at least 4 (3 or more credit hour) courses in a regular semester. Undergraduate students in their last semester with 3 or less courses remaining are required to take 4 or more courses in order to be eligible for the Dean's List provided all other criteria are met. MBA Executive students must have completed 3 (3 or more credit hour) courses in the semester.
- The student must not have been subjected to any disciplinary action within the Institute during the semester. (Disciplinary actions will include all those actions for which a student can be suspended).
- Students who obtain an academic semester average of 90% or more will earn the honor of the Dean's List with distinction.

Award of medals or shields for best student

The top student of each program qualifying the following criteria will be awarded the IBA medal. The 2nd and 3rd best students would be awarded shields. All awards may not necessarily be given each year and for each degree program. Awards will only be given if the graduating batch of a program has a size of at least 20 students. The criteria for award of medals/shields will be as under:

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

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

A student must maintain a minimum CGPA of 2.20 cumulative during their stay at the IBA. Any first-year (with total credits less than 30) undergraduate student with a CGPA of less than 2.00 would be placed on probation for 1 semester at the end of which they must improve their CGPA to 2.0 or higher otherwise they shall be dropped from the rolls of the Institute

If a student's CGPA falls between 2.00-2.19 (probation range) in spring/fall semester, they would be issued a warning letter.

At the end of the probation semester, a probationer is required to improve their CGPA and bring it up to the required minimum 2.20. However, if the CGPA still remains within the probation range then the probation shall continue in the next semesters of studies in which the probationer may study until the CGPA improves to a value of 2.00 or higher. There would be no warning letter for summer courses.

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

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

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

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

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

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

GPA requirement for an award of PhD degree

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

Improvement of grades

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

- The better grade of the repeated course shall be considered towards CGPA calculation and there would be no averaging.
- A student who repeats course(s) would not be eligible for the medal.
- This option will not be available to those students who have graduated or have been dropped out.

If a student has repeated a core course for a better grade, then he/she is required to intimate the examinations department about the course and request for exclusion of poor grade. The transcript processing for graduating students shall remain on hold until provision of this information.

Summer semester

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

Internship evaluation

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

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

Comprehensive examination

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

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

- PhD CS: 5-hour exam comprising of 5 papers (set by at least 3 different examiners) in a single day.
- PhD Mathematics: 4-hour exam comprising of 4 papers in a single day.
- PhD Economics: 2 exams of 4-hour duration on 2 separate days. Each exam comprises of 3 parts with individual examiners but aggregate pass/fail result of the exam.

Rules and Regulations

Proposal and dissertation defense for PhD programs

Every PhD student is expected to pass the dissertation proposal defense within one year and maximum of two years after passing the comprehensive exam. The Doctoral Guidance Committee (DGC) may allow multiple attempts within the enrollment period. Failing to pass the proposal defense within 2 years would result in dropout from the program. Candidacy is granted after successful dissertation proposal defense. A PhD candidate is expected to complete and submit the dissertation for evaluation within two years of proposal defense. Two extensions of one year each may be given by BASR upon recommendation of the DGC if the enrollment period has not expired.

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

Enrollment

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

- Photocopy of secondary school certificate/O'Levels certificate
- Attested photocopy of Higher Secondary School certificate/A'Levels certificate
- Attested photocopy of Bachelor's degree (if applicable)
- Attested photocopy of Master's degree (if applicable)
- Attested photocopy of CNIC or birth certificate
- Attested photocopy of equivalence certificate in case of foreign certificates/degrees
- Two recent passport size photographs duly attested by the concerned program office

Equivalency certificates are required in the following two cases:

- If the student holds a foreign degree, then they must get an equivalency certificate from the HEC
- If the student holds a GCE O'Levels/A'Levels or international baccalaureate certificate from a foreign country, then they must get an equivalency certificate from the IBCC

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

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

Misrepresentation of any information may lead to disciplinary action.

Cancellation of enrollment

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

Change of particulars (change of name) on IBA documents

Academic documents issued by the IBA shall have the name in full form as mentioned in the matriculation certificate/O' Levels certificate or the equivalency certificate from IBCC that signifies the first education certificate/degree they hold. However, if a student wants their name changed in the IBA documents then they must first get their credentials changed on their first educational documents. Alternatively, they may get a certificate from the IBCC.

All academic credentials must have the same nomenclature and identification credentials may have a slightly different nomenclature. However, it is advisable to have same nomenclature on all documents. For additional information and details visit: <https://examinations.iba.edu.pk/>.

Time-bar rule

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

Program	Enrollment period
Undergraduate Programs BBA/BSCS/BSAF/BSEM/BSECO/ BSSSLA	7 years
MBA Morning	5 years
MBA Evening/ MBA Executive	7 years
All MS Programs	4 years
PhD	8 years
PGD*	3.5 years

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

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

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

Transcript of credit

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

required to submit a copy of their research-survey/project/thesis to the library and obtain clearance from the library. All graduating students must verify their particulars like name and father's name spellings, CNIC, DOB on the ERP before requesting a transcript or degree. A revision note shall be mentioned on any transcripts or degree issued if any particular is changed after generation of the document and revision charges will also be applicable. Provisional and official copies of the original transcript of credit may also be requested for admission to universities upon payment of Rs. 2,500/-.

Transcript shall be issued only to the student in person or to a person (preferably blood relative) duly authorized by the student if the student is out of city. Students may generate an unofficial electronic copy of the transcript on their own from the ERP system.

Request for different kinds of transcripts should be submitted online via the following link to examinations department which prepares, issues and verifies them. <https://webapps.iba.edu.pk/tnd/>.

Degree certificate

As per HEC guidelines, in order to graduate, students at the IBA have to complete the following requirements:

(a) 4, 2 and 1.5 years of studies for undergraduate, MBA / MBA-Executive and MS programs respectively. The PhD rules are separate from these and are mentioned under their respective programs.

(b) the required course load and credit hours for an undergraduate degree. This is applicable to all undergraduate programs and students of all categories (fresh/internal transfer/transfer through retake).

(c) the required internships and

(d) submission of project / research survey reports or thesis. Degree is issued within 15 working days from the date of application. An additional fee of Rs. 6,000/- is applicable for duplicate/urgent degree (obtainable in 7 working days).

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

Degree fee for PhD Programs is Rs 10,000/-.

Request for degrees should be submitted online via following link to examinations department which prepares, issues and verifies them. <https://webapps.iba.edu.pk/tnd/>

Duplicate transcript/degree

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

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

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

Migration or Character Certificate / Verification and Attestation of transcripts/degrees

For information regarding the verification and attestation of transcripts/degrees, visit: <https://examinations.iba.edu.pk/>

Fee structure

Spring 2023 (Fall 2022 intake)

Undergraduate Programs			
Particulars	BBA & BS Programs Amount in PKR		
Tuition fee (per credit hour) (Fall-22 Intake)	20,200		
Student activity charges	4,950		
"Course Fee(s) will be applicable on credit hour basis"			
MBA Programs			
Particulars	Morning	Evening	Executive
Tuition fee (per credit hour) (Fall-22 Intake)	22,200	22,200	22,200
Student activity charges	4,950	-	-
"Course Fee(s) will be applicable on credit hour basis"			
MS Programs			
Particulars	Full-time Programs	Part-time Programs	
Tuition fee (per credit hour) (Fall-22 Intake)	15,600	15,600	
Student activity charges	4,950	-	
One-time charges			
Admission charges (all students)	65,000		
Orientation courses fee*	35,000		
Transport fee (per semester)			
Particulars	Amount in PKR		
Charges	26,000 (0 - 10 km)		
	32,000 (11 - 20 km)		
	36,000 (20km - onwards)		

Hostel fee (per semester)	
Room type	Amount in PKR
Single occupancy - without AC	80,000
Double occupancy - without AC	77,000
Triple occupancy - without AC	72,500
More than 3 occupancies - without AC	72,500
AC room - Single occupancy	88,000
AC room - Double occupancy	85,000
AC room - Triple occupancy	82,500
AC room - More than 3 occupancies	82,500

Note: - Utility charges for an AC room will be applied separately on actual basis.

5% advance tax will be charged to students having annual fee above Rs. 200,000/- according to Section 236I of Income Tax ordinance 2001 (Non-filers Only).

Financial assistance program

PKR 1.66 billion granted to around 5000 students between 2016 -2022

Around 300 students benefitted from Qarz-e-Hasna facility

35% students received financial assistance in the academic year 2021-2022

Around 600 students benefitted from our instalment plan

The IBA invites talented and meritorious students from any social background, across Pakistan to enroll and study at the Institute. At the IBA, we believe that financial limitations should not be a hindrance in accessing quality education.

Financial Assistance Packages

The Financial Assistance Packages include the following:

a. Fee instalments

Full-time students enrolled in undergraduate and graduate morning programs, who are facing short-term financing constraints, and are unable to pay the entire semester fee at the beginning of the semester can apply for the fee instalment plan.

Instalment for semester fee

- The students may be allowed to pay the fee in two or maximum three instalments and these instalments must be paid within the same semester period.
- The fee instalment plan can be availed for the active semester fee only. Instalment of fee arrears or defaults is not permissible under this option.
- Fee instalment will be allowed after need assessment (i.e. subject to approval).

Fee instalments can be applied for here: <https://www.iba.edu.pk/installments>.

Deferment of outstanding fee

In case a student does not pay his/her total fee within a particular semester then the Finance department shall send an intimation to the student to pay the outstanding dues.

The Director Financial Assistance may call the student and the parents (if necessary) to evaluate the financial situation and reach an amicable solution for the fee recovery. The student may also be directed to avail other options in the Financial Assistance Packages.

If no other options are available and the circumstances necessitate, the Director Financial Assistance may defer the fee payment to a certain date.

The fee balance should be cleared within the same semester period before the commencement of the final exam. If the student fails to clear his outstanding fee, the Finance department may stop him/her from appearing in the final examination for that semester.

b. Need-based financial assistance

The IBA Financial Aid (FA) Program covers a wide range of need-based financial assistance in the form of scholarships. These need-based scholarships are funded through the valuable support of public and private sector donors. Upon submission of need-based scholarship form by student, the IBA facilitates through providing 'bridge financing' till the applicants are successfully connected with the public or private sector scholarship donor. The level of bridge financing is determined by the financial need of the student which is assessed through the information provided in the financial aid application form, submitted by the student. This may range in between 25% and 100% of applicable tuition fee and is decided by the IBA Financial Assistance Committee (FAC).

Eligibility

Only full-time students enrolled in morning programs, who are facing constraints, and cannot manage to pay fee through FA options of fee instalments and Qarz-e-Hasna, may apply for need-based scholarships.

Applicants can apply for financial assistance to cover their tuition fee for Fall, Spring and Summer semesters.

Financial assistance will be provided on course basis up to 8th semester for undergraduate programs and up to 4th semester for graduate programs.

The repetition of courses for grade improvement and previously withdrawn courses are not covered under need-based scholarships.

Submission of application

- All applications are to be submitted within specified dates.
- Applicants are required to fill and submit complete application forms online.
- Scanned copies of the required documents are to be sent with the application form.
- Applications with incomplete documents will not be processed.
- For new admissions, bridge financing is available at the time of admission only.
- Ongoing students are required to apply at the start of each academic year (upon enrollment) for reassessment for continued financing.
- It is important to note that only those FA applications will be considered for bridge financing or scholarship which are submitted within the stipulated period.
- A checklist for required supporting documents is made available in the prescribed application form.
- The applicants are advised to consult their parents or guardians before submission of the application form along with supporting documents.

Assessment process

- The submitted application forms and supporting documents are scrutinized by the Financial Assistance (FA) Committee, comprising of senior faculty and staff members.
- The applicants may be required to appear for an interview if the FA committee deems necessary.
- The Committee then ascertains the need level of the applicants against the laid down criteria.
- Scholarship awards are based on the available funds.

It is mandatory on all financial assistance awardees to apply for externally funded scholarships proposed by IBA Financial Assistance office. Failure to do so will result in discontinuation of bridge financing by IBA. The student may also be required to fulfill the assessment process of a donor.

The following terms and conditions apply on applicants of Financial Assistance Program:

- The Financial Assistance Committee may also conduct personal visits during the verification process.
- The applicants may be required to appear for an interview if the Financial Assistance Committee deems necessary.
- If students fail to submit need-based scholarship forms (either fresh or renewal) within the stipulated dates, it will result in cancellation of financial assistance.
- Such students are also advised to keep checking the IBA Financial Assistance page as well as their registered email accounts to be aware of available donor funded scholarships and should apply for the same. In case the applicant fails to apply for externally funded scholarship, the Financial Assistance Committee will discontinue 'bridge financing' for that student.
- The IBA reserves the right to verify all information provided by the candidates.

In case of providing false information:

- The need-based financial assistance award will be revoked and the applicant will also be disqualified from applying for any loan / financial assistance in future.
- The student will have to refund all financial assistance payments received to date and / or bear the penalty equal to total financial assistance amount on an immediate basis.
- Misrepresentation or concealment of facts may lead to the termination of admission from the Program.

Students can send their financial assistance queries at financial-aid@iba.edu.pk.



Facilities at IBA

Facilities and infrastructure

Main Campus

The IBA Main Campus is spread over 50 acres of land for educational facilities, residential complex, and boys and girls hostels. It is located within the premises of the University of Karachi and comprises of around 40 classrooms, 8 seminar rooms, 5 computer labs, and 14 breakout rooms. These are located in the three academic buildings: Adamjee Academic Center, Abdul Razzak Tabba Building, and AMAN Center for Entrepreneurial Development. All instructional spaces are fully equipped with the latest audio-visual and video conferencing facilities to boost the overall learning experience. Other facilities at the Main Campus include:

- Gani & Tayab Auditorium (seating capacity of 300)
- Mian Abdullah Library
- Alumni Students' Center
- Khawar Butt Gymnasium for males and females
- Pepsi cafeterias
- TPL Event Hall
- UBL Sports Complex
- Amphitheater (seating capacity of 450)
- Kiosks (Nawab Dynasty and GP Nice Food)
- Coffee Shop inside the Mian Abdullah Library

City Campus

The IBA City Campus is situated at Kayani Shaheed Road, Garden Road, and spreads over 3.5 acres. It consists of:

- Aman Tower
- Towfiq H. Chinoy Administration Building
- Faysal Bank Academic Block
- Habib Bank Academic Building
- Library at AMAN Tower
- JS Auditorium (seating capacity of 400)
- Gymnasium for males and females (situated in HBL Academic Block)
- Cafeteria Aman Tower, 5th floor
- Pepsi cafeteria (ground floor parking area)
- Kiosks (Raptor Global & Woke)

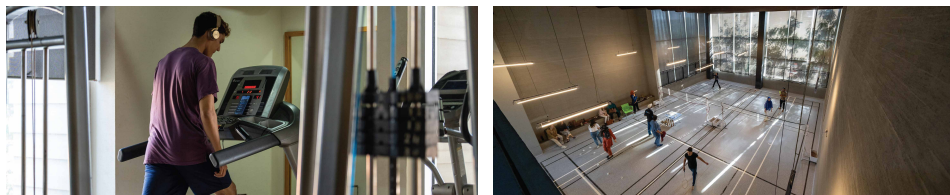
Existing facilities include 28 classrooms and 8 computer/ICT laboratories. The campus houses the Centers for Excellence in Executive Education (CEE), Journalism (CEJ), Information and Communication Technology (CICT), Islamic Finance (CEIF) and Office of Research Innovation and Commercialization (ORIC) at AMAN Tower. Moreover, the HBL Building houses the Center for Entrepreneurial Development (CED), CICT and QEC offices.

Academic, career and well-being counselling

The IBA provides well-being, academic and career counselling services to its students, staff and faculty. For well-being counselling, students can login to an exclusive online portal and schedule live video counselling sessions with a dedicated team of counsellors.

The academic and career counselling for students is provided by specialized staff and faculty members. Wellness Counselor, Mr. Ahmad Ali, with over 5 years of experience provides counselling services and therapy to students experiencing stress, anxiety, depression and other mental health issues.

Students are encouraged to reach out to Mr. Ali at ahmadali@iba.edu.pk.

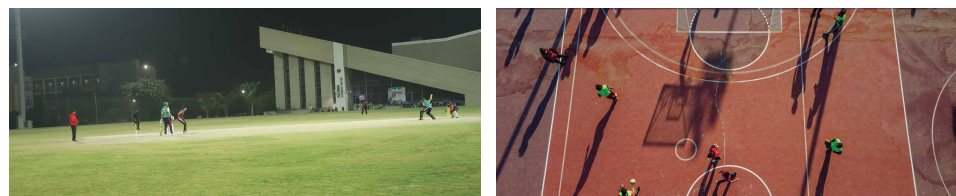


Health centre

Martin Dow collaborated with the IBA to provide quality healthcare facilities for its students, faculty, and staff. The clinic is accessible 6 days a week and provides the students with high quality medical facilities at the campus.

Gymnasium

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



Facilities at IBA

Sports facilities

Department of Sports and Community Engagement, provides a wide range of indoor and outdoor sports facilities and professional coaching to keep the students fit and healthy so that they can perform well at the zonal, national, and international platforms.

Key features of the UBL Sports Complex include:

- Cricket ground
- Football ground with a jogging track
- Tennis courts
- Basketball court
- Volleyball, Throwball, Netball and Handball courts
- Indoor sports facilities include:
 - Table tennis
 - Badminton court
 - Snooker, foosball, carrom, chess and ludo

Library

The library promotes teaching, learning and research by acquiring relevant resources and proactively offering new services that are essential to foster learning. New learning materials, such as books, case studies, electronic databases and indigenous research support materials are added to the library's collections on a regular basis.

Library spaces

The libraries on both campuses provide a stimulating learning environment. The physical library facilities have been designed to accommodate contemporary learning styles, including collaborative learning/study spaces, individual study, multimedia learning, research nooks, laptop friendly areas and a coffee shop.

Library services

The library strives to offer its patrons with a diverse range of innovative, academic and research support services supported by cutting-edge technologies. The library services are intended to supplement lifelong learning. To learn more about the library services, visit <http://library.iba.edu.pk>.

Library resources

The library subscribes to over 24 electronic databases, allowing campus-wide and remote access to a large collection of full-text multidisciplinary digital materials such as e-Journals, e-Books, case studies and industry-related research analysis reports. Over 75000 print volumes are physically housed in the library, with an average of 2500 new titles purchased each year.

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 an additional food outlet called Raptor. The cafeterias at the Adamjee Block also offer their services to the students and faculty on working days. To facilitate IBA community, the management arranged some more food outlets:

Main Campus cafeterias

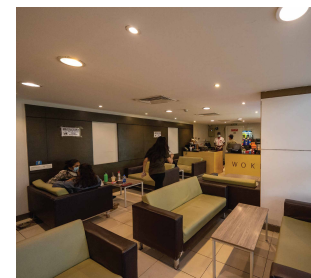
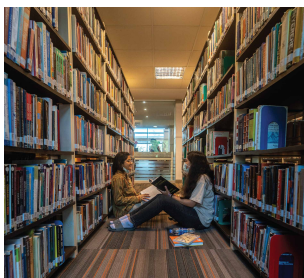
- Coffee Shop in Library
- Kiosks (Nawab Dynasty and GP Nice Food)

City Campus cafeterias

- Cafeteria Aman Tower, 5th floor
- Pepsi cafeteria (ground floor parking area)
- Kiosks (Raptor Global & Woke)

ATM and Banking facilities

To cater to the banking needs of students, faculty and staff members, both the campuses are equipped with ATM machines installed by HBL. Furthermore, a few prominent bank branches are present within walking distance of both campuses. IBA also installed ATMs for Girls Hostel and Staff Town to facilitate the community. An ATM for boys hostel is also in the pipeline.



Transportation

The IBA facilitates the commute of students between both the campuses via a daily shuttle service offered during multiple slots throughout the day. The 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.

Facilities at IBA

On Campus Accommodation - Hostels for Boys and Girls

Overview

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

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

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

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

The residents of both the hostels are encouraged to live like one big family, helping each other wherever required and making hostels a home away from home. The hostel management makes tremendous efforts to provide the residents a clean, hygienic and congenial environment to facilitate this brief but an integral part of their professional journey. Discipline and compassion for fellows are two core values that the hostel management encourages and inculcates among students. The hostels foster a sense of ownership among residents, enabling them to create memories that they cherish for years. The hostel management also encourages the hostel residents to participate in numerous cultural and social activities that are organized by the Hostel Society. Some of these include annual welcome dinner for the hostel freshman batch, Eid-Milad-un-Nabi, Basant and Diwali celebrations, cricket and football tournaments, and annual farewell dinner for the hostel graduating batch.

Facilities

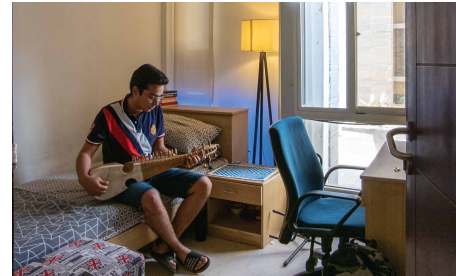
All rooms are equipped with a smart wardrobe, study table with drawer, and a single bed with a closet compartment for additional storage. Below are the details of the facilities at hostels:

- 1- Air-conditioned common rooms and TV lounges
- 2- Indoor gyms
- 3- Game room
- 4- Badminton court
- 5- Laundry room

- 6- Multi-purpose rooms for extra-curricular activities and green spaces for outdoor sports and other activities
- 7- Air-conditioned dining halls
- 8- High-speed internet facility
- 9- Prayer room
- 10- Subsidized laundry services (for men's hostel)
- 11- Chilled water dispensers (potable water)
- 12- 24 hours tuck shop/ vending machine
- 13- On-campus healthcare facility
- 14- On-campus mental wellness counsellor

Boys hostel

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



Girls hostel

Capacity: **160**
 Single Rooms: **6**
 Shared Rooms: **77**



For queries, please contact:

Dr. Abbas Ali Gillani,
 Superintendent
aagillani@iba.edu.pk
 Ext. 2673

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

Ms. Ghulam Fatima,
 Warden
gfatima@iba.edu.pk
 Ext: 2008

Ms. Mahwish Butt,
 Assistant Manager (Admin) Girls hostel
mbutt@iba.edu.pk
 Ext: 1817

To apply for accommodation, click here: <https://onlineadmission.iba.edu.pk>

Student services

Career Development Centre (CDC)

The IBA Career Development Center (CDC) is a one-stop solution for all the career related matters of students and graduates. The CDC has been facilitating students and graduates not only in the placement of their internships and jobs but is also endeavoring to develop necessary employment skills and occupational competencies required by the prospective employers. The CDC serves as a liaison between the IBA community and the industry, and partners with employers across different sectors to achieve its core mandate i.e., to help the students/graduates find the right job in the right field with the right employer.

Our aim is to guide members of IBA community in establishing their career objectives through programs and interventions that provide opportunities for individuals to learn tactics useful in reaching their desired careers. As catalysts, the CDC staff assists students with developing interviewing skills, job search strategies and resume and letters preparation.

Following is CDC's menu of services offered to the IBA students:

- **In-house career advisory**

We provide in-house career advisory service to students to help them make informed decisions and plan out their careers. Students approach us for career guidance and related advice and all requests are dealt with on a first come, first served basis, based on the availability of the CDC's resource person.

- **IBA Job Portal**

The IBA Job Portal is the most effective tool to connect students and alumni with employers. It serves as an online repository for the graduate directory and helps students and alumni to create their profiles and jobs/internships, while employers post vacancies and view and save profiles for hiring purposes. More than 1100 employers have come on board within a short span of time.

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

- **Corporate Connect Series**

A variety of sessions, workshops and panel discussions are organized for students through a special segment titled 'Corporate Connect Series'. These are guest speaker sessions on career and academic themes with an aim to connect students with the corporate sector. The themes are identified in collaboration with the faculty. These sessions help students in understanding the practical aspects of their thematic areas of studies and consequently, align themselves to prepare for the job market. An online system is also in place to solicit requests from faculty members and for inviting speakers' profiles.

- **Career excursions**

Career excursions allow the students to learn about the culture and diversity of the company, explore internship/job opportunities, provides opportunities to meet their employees and tour the facility. CDC organizes these trips throughout the year at regular intervals.

- **Learning hub**

This is a newly launched segment focusing on out of class interventions for the skills development and grooming/coaching of students and graduates. Students are exposed to real-time learning that is beyond the conventional classroom approach. This segment aims to get them closer to the real-world concepts and enables them to learn some of the most important skills required in today's competitive workforce. CDC features seminars, interactive talks, virtual and on-site trainings, skills-based workshops and real-time simulations as part of this segment.



- **Responsible Citizen Initiative (RCI)/Social Internships**

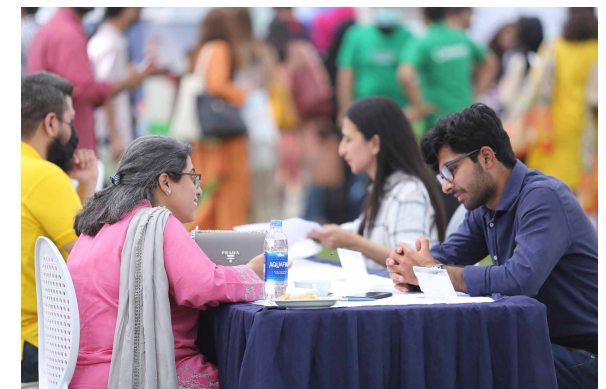
Responsible Citizen Initiative commonly known as the Social Internships, are six weeks' social work required for all students enrolled in their undergraduate programs. Students need to work in a social sector organization, NGO, community-based organization, or any charitable institute in Pakistan ideally during their summers or during their study as the schedule allows. The CDC has links with numerous NGOs where our students conduct their social internships.

- **Corporate / Research 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 undergrad students and after the completion of first year by the MBA students. Students of Social Sciences program (BS-SSLA) conduct research internship of 6 to 8 weeks as part of their curriculum requirements. The CDC facilitates students in not only helping them connect with the recruiters but also in finding these opportunities for them.

- **Online application system for submitting internship documents**

The students are required to submit their documents to the CDC office after completing their internship period. An online application has been in place which enables students to submit all the required internship documents including an internship report, certificate/letter of internship completion and an evaluation form to be filled by their respective supervisor on the prescribed format. The application is synchronized with the ERP, making it a convenient solution for documentation, and archiving of the internship records.



Student services

Career Development Centre (CDC)

- Online requisition of recommendation letters for internships**
 Students can request for either a general or a customized recommendation letter required for their social and corporate/research internships through an online system available on the Student Facilitation System: <https://webapps.iba.edu.pk/sfs/home/login>.
- Career fair**
 This annual event offers potential IBA employers to brand and market their corporate image to the emerging leaders. This fair is an ideal opportunity for prospective employers to interact with our students. More than 100 companies are hosted each year in February/March, which makes it one of the most amazing platforms for the students to interact with their choice of employers under one umbrella.
- On-Campus recruitment drives**
 The CDC hosts multiple on-campus recruitment activities throughout the year where different employers visit the IBA campus to conduct company orientation sessions, interviews, online & written assessments, and other related activities. Generally, our on-campus recruitment activities are scheduled from January to May every year which is targeted towards the passing out batches of Fall and Spring semesters.
- Personal Effectiveness (PE)**
 The objective of the Personal Effectiveness program is to ensure that students are empowered with the necessary soft skills that are needed in the academic, corporate and entrepreneurial environment. The program focuses on optimizing personal resources to instill skills such as leadership, team building, creative thinking, result-oriented communication; to achieve personal and professional goals. As a result of PE workshops, students are equipped to be more effective in recruitment processes, networking opportunities, and gain clarity in career choices as well as have realistic insights about future corporate and entrepreneurial undertakings.
 PE is offered to BBA and ACF programs in the Fall semester and MBA, SSLA, EM and CS programs in the Spring semester each year.
- Experiential Learning Projects (ELP)**
 The ELP program is a mandatory 4-month program which involves final semester BBA and BS-Accounting & 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. The aim of this program is not only the acquisition of industry knowledge but also the introduction of IBA students to the prospective organizations. Visit <https://elp.iba.edu.pk> for more information.



- Mentoring Matters**
 The IBA, Karachi is blessed to have a strong alumni network of more than 13,000; who are always available to support their alma mater. Mentoring Matters is a comprehensive coaching program that offers students an opportunity to link with the prominent IBA alumni and industry experts for helping them out in their personal and professional development.
- Career Counselling Clinics**
 Career Counselling Clinics are one-on-one career advisory sessions for students to discuss their career related matters with industry experts. In a personalized setting, students get to know about multiple career opportunities that match their unique interests and skills and get help in formulating personalized plans to achieve their career and professional goals.
- Mock interviews**
 Mock interviews, a segment of Career Counselling Clinics, are individualized conversational exercises resembling a real-time interview. The basic objective is to prepare the students to better deal with the job interview anxiety under the mentorship of industry experts.
- Graduate profiling / Graduate profile book**
 The CDC publishes Profile Books for employers every year on the IBA Job Portal. The graduates keep updating their profiles on a regular basis. These profile books serve as depository of information for recruitment of potential employees for our partner organizations.
- Career resources**
 Career resources include articles, interactive media insights, recruitment tool kit, expert opinions and reviews, research and other helpful materials related to careers or skills development that can cater to the diverse users available on the Job Portal.
- Digital media platforms**
 The CDC maintains a dedicated Facebook group as a vibrant communication tool to keep the IBA students and graduates updated about important announcements related to career development, internships, jobs, and other related matters. Apart from it, we do manage Facebook page, LinkedIn group and page, and a Twitter account for our wider audiences.
 Connect with us on the following networks:

Facebook Page: <https://www.facebook.com/ibacdc.khi/>
 Facebook Group: <https://www.facebook.com/groups/ibacdc>
(restricted to IBA students and alumni only)
 Email: cdc@iba.edu.pk | teamcdc@iba.edu.pk
 LinkedIn: <https://www.linkedin.com/in/iba-cdc-karachi-15332355/>

Twitter: <https://twitter.com/ibacdc>
 Instagram: <https://www.instagram.com/ibacdc/>
 Website: <https://cdc.iba.edu.pk>

Office of Student Affairs

Dean's Message



As the Dean for Student Affairs (DSA), I am delighted to welcome you all to the Institute of Business Administration (IBA), Karachi. I am very excited to have you all on campus and look forward to getting to know you as you get connected to the IBA community. As the DSA, my role is to ensure that your non-academic needs are met during your time here. My Office provides and supports student services including the IBA Student Government and Club and Society related student-led events, sports events, diversity and accessibility services to promote a safe and inclusive environment and campus life, and health, wellness and counseling services.

As Dean Student Affairs, I also believe in enriching your university experience by encouraging you to participate in leadership development, coaching, and peer programs to foster learning, growth, and community development. You may face challenges, and that is what the Office of Student Affairs is here for - to support you and connect you to faculty, staff, and campus resources. What is close to my heart is to foster a culture of inclusion, mutual respect, and tolerance amongst the IBA community.

Looking forward to meeting you all for an engaging and diverse experience! Wishing you all the best!

Maheen Ghauri

Office of Student Affairs

• Office of Student Affairs

The Office of Student Affairs at IBA is dedicated to creating an engaging and diverse experience for every student at the IBA Main and City campuses. The Office plays an integral role in community engagement, talent and skill development, and student leadership development. It provides students with opportunities to extend their passions, talents, and competencies beyond academia by participating in curricular, co-curricular, and service-oriented activities. The Office proactively responds and is adaptable to student-centric needs, and evolving trends and priorities.

Student Affairs is also committed to fostering a culture of inclusion, mutual respect, and tolerance with respect to diversity. It plays a pivotal role in promoting a safe, welcoming, and inclusive environment and campus life for students, and especially for those who may have disabilities or special needs – our job is to support students' individual and group needs and to endorse the value of a diverse society.

The Office of Student Affairs is a one-stop-solution to address all student needs and queries, to direct them to the relevant schools and student support offices, including facilitating them with academic, career, mental health, or general counseling as well.

The student service and support offices that fall under the Student Affairs umbrella are:



• 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 curricular, co-curricular, service activities, and events form a major part of the experience of students during their time at IBA. Students are encouraged to participate in different events and activities that take place throughout the year. These events simulate the management challenges of real life and play an important role in polishing the social, managerial and marketing skills of students enabling them to represent and promote IBA at national and international events.

IBA encourages student participation in diverse activities and around thirty student societies/clubs at the institution are reminiscent of this; these societies / clubs are divided into curricular, co-curricular, and service clusters to enhance students' skills and experience. The IBA-wide student council (ISC) acts as a representative of the student body. The ISC and student societies/clubs members fulfil the responsibilities of preparing the annual budget for all the activities to be undertaken, organize events and activities in line with their objectives, ensure adherence to the IBA code of conduct and get the expenses audited. Despite the pandemic, many effervescent events were planned and successfully executed by all the societies this year.

• International Resource Center (IRC)

The International Resource Center facilitates students in extending their learning by complementing their academic experience with international exposure. The IRC team coordinates and collaborates with the top international universities and assists students who are looking for financial assistance and scholarships. The IRC team also facilitates with:

- Credits transfer
- Exchange programs
- Visiting programs
- Summer/winter programs
- Welfare funding facilitation
- Graduate and post graduate admissions and scholarships
- English proficiency letters
- Visa letters
- NOCs for exchanges
- Participation in conferences and competitions

For further details: <https://irc.iba.edu.pk/>

Office of Student Affairs



- **Health and wellness/ student counseling**

Student counseling services are offered to those who require individual counseling to help them resolve personal or interpersonal problems. These services are separate from academic, career, or psychological (mental health) counseling. Students can visit the Student Affairs office to meet the general counselor and speak with them about any campus, learning, or personal related concerns that they may have.



- **Diversity, accessibility, and inclusion**

Student Affairs believes and works on the premise that every student is unique, belonging to diverse backgrounds. It aims to create an inclusive environment, accepting every individual's different background, characteristics, and differences in perspective and demographics, which include race, age, religion, disability and gender, as well as skills, experiences, and abilities. It aims to eliminate discrimination, break down barriers, and facilitate and ensure equal opportunities and access for all students.



- **Student leadership, coaching, and peer programs**

To enrich the university experience, students can participate in leadership development, coaching, or peer programs that foster learning, growth, community development and peer support. These students can attend workshops, seminars, and programs that will build their skills to motivate, influence, and guide other students at IBA. Students can realize their potential through such programs, and provide support to students experiencing challenges, connecting them to faculty and staff, and to campus resources.



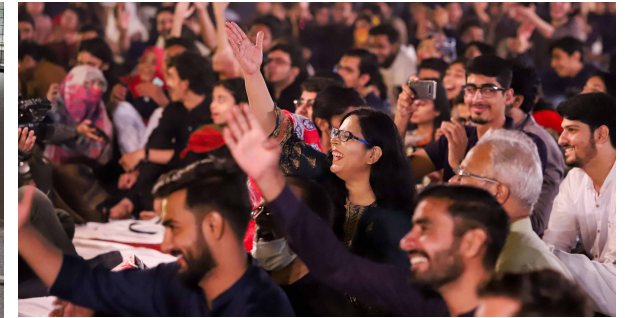
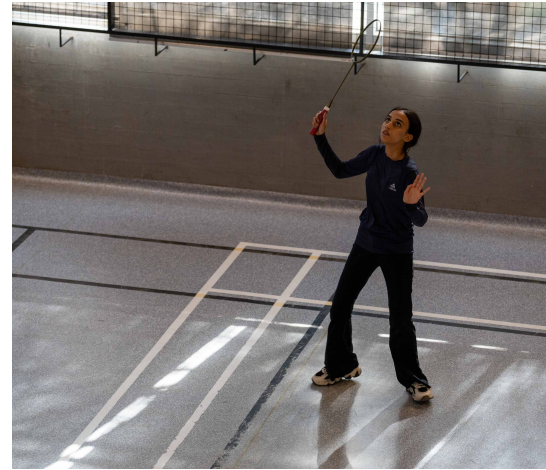
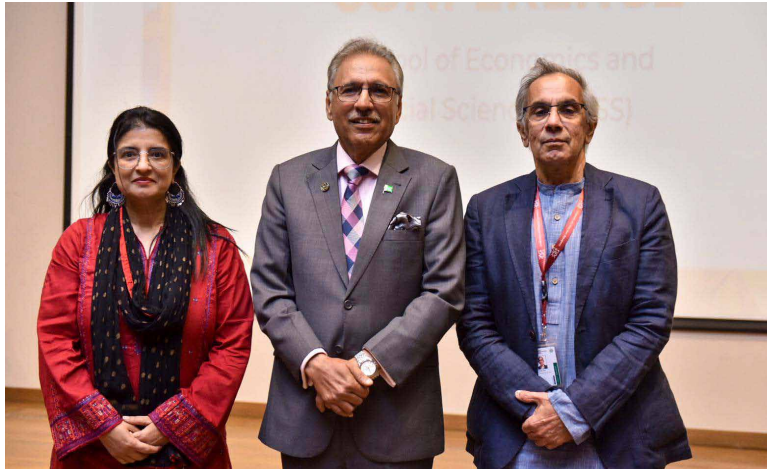
- **Student employment and volunteering**

Students are offered opportunities to work part-time on both campuses during the semester and the summer. They can be employed in various departments (administrative, academic, or support service departments). These can be both paid (student employment) or unpaid (volunteering). The number of work hours per week differ based on the nature of employment. Student Affairs also helps students in searching for volunteering opportunities outside IBA as well.

Student employment and volunteering allows students to develop their professional and soft skills, and academic expertise. It also teaches them life skills, including building a sense of responsibility and work ethics.



Activities studio



Activities studio



School of Business
Studies (SBS)



SCHOOL OF BUSINESS STUDIES (SBS)

The Institute of Business Administration, (IBA) is one of the most prestigious higher education institutions located in the city of Karachi, the financial hub of Pakistan. The School of Business Studies (SBS) is the largest and flagship School in IBA. SBS is also a leading business school within Pakistan with a state-of-the-art campus which follows the best international standards and offers faculty and students a unique learning and teaching experience along with well-equipped spaces conducive for teamwork and creativity. SBS is actively pursuing the AACSB accreditation and has already achieved a key milestone in the AACSB journey. SBS faculty comprises distinguished experts across a variety of business disciplines and hold doctorates from world-renowned universities. The school offers a wide range of programs in different management disciplines to train a new generation of high-potential executives.

Dean's Message



Welcome to the School of Business Studies (SBS), IBA. I am proud to share with you the factors that make our school the right place to receive an unrivaled business education in Pakistan.

Our location in Karachi provides us an outstanding backdrop to leverage our distinctively talented student body and world-class faculty to liaison with corporate Pakistan and numerous multinationals, situated in the metropolis. The IBA Karachi has ingrained its mark in the history of Pakistan through its strong alumni network, making it a legacy of the IBA. As Dean, SBS, I feel privileged to lead the school which is on a trajectory of nurturing many more graduates who will leave their mark around the world in all walks of life.

I am filled with great optimism about our future and feel delighted in affirming that we are entering a new era where we are setting out to embark on an ambitious journey. Once SBS secures AACSB accreditation, it will place us among the upper echelon of business schools worldwide. Consolidating that our emphasis would be to secure further prestigious accreditations globally to validate the good things we do. We are also striving for SBS to feature prominently in the global league tables. Furthermore, the SBS will actively pursue international academic collaborations with top business schools which will create meaningful exchange opportunities for students and faculty members.

We live in an era of disruptions, where conventional methods of teaching, research and industry best practices are becoming redundant. Globally and locally, such disruptions are pressing business schools to engage in thoughtful leadership and demand agility to stay relevant. The SBS is very student-centric and providing a holistic student experience.

With a market-driven curriculum across our programs, we differentiate ourselves with a powerful combination of top academic talent from around Pakistan, a vibrant business community at our doorstep and a world-class faculty aiming to make a difference. We aim to engage with our alumni in a robust fashion to further deepen our industry linkages. The key focus of the school is on teaching effectiveness and impactful intellectual contributions. The ethos of innovation, entrepreneurship and commercialization remain at the heart of the process where faculty, students and corporate leaders engage in a purposeful manner to create unique constellations to solve indigenous and global challenges.

Dr. Abdullah Z. Sheikh

Overview of departments

Department of Accounting and Law

The programs offered at the Department of Accounting and Law equip our students with top-notch conceptual and technical accounting skills required to succeed in today's challenging job market. The department focuses on imparting knowledge about the functioning of private, public, and not-for-profit organizations in a global environment.

Department of Management

With an emphasis on preparing students for attaining profound critical thinking and analytical skills in the field of management, the Department of Management endeavors to impart theoretical knowledge in the specialized areas of strategy, organization, operations management, entrepreneurship and leadership.

Department of Finance

The Department of Finance offers a variety of courses to hone problem-solving skills in students and assist them in learning how to make the best decisions about raising and leveraging resources under risk. Our courses provide students a solid theoretical underpinning and working knowledge of finance, in a global backdrop.

Department of Marketing

At the Department of Marketing, our students are propelled on a journey from the basic level to the highest conceptual and philosophical aspects of marketing. With focus on case-method pedagogy, local and international cases are used extensively to bring a slice of reality into our classrooms to inculcate effective decision-making in marketing-related aspects.

Bachelor of Business Administration (BBA)

The Bachelor of Business Administration (BBA) is a full-time 128 credit hours program comprising of four years of rigorous education which allows the student to have a broader view of the business world. The academic program does not only emphasize the essentials of business subjects, but also introduces students to the basic knowledge in Social Sciences during their freshman and sophomore years. Additionally, students are required to enroll in one of the four foreign language courses that are, 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 and helps in personality development of the students. Although there are no formally labelled specializations, students can opt for any combination of electives from Marketing, Accounting, Finance, Supply Chain, Human Resource Management (HRM), and Entrepreneurship. Based on the feedback from the alumni and human resource representatives of major corporations, the IBA has included experiential learning into the curriculum. Students must undergo two internships (one as a responsible citizen initiative in an NGO and another in a corporate organization) and a semester long experiential learning project (ELP), which is in the form of a project awarded by corporate clients, an on-the-job training in the real business environment. This allows the students to network with their future employers and introduces them to the challenges of the real business world.

Program structure

		Credit hours
Time to completion	4 years	-
Minimum regular semesters	8	
Core courses	32	98*
Elective courses	8	24
Experiential Learning Project	1	6
Total	40 + ELP	128
Responsible Citizen Initiative (RCI) internship	1	-
Corporate internship (6-8 weeks)	1	-
Personal effectiveness program**	10 hours	-

*Two Language courses are of 4 credit hours each. Other courses are of 3 credit hours each.

** Personal effectiveness program is a 10 hours seminar series conducted by industry professionals (Non-Credit Course).

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Program learning competencies

1. Effective communication skills

Students will develop the ability to become effective speakers, listeners, writers, and team members.

2. Knowledge of core business disciplines

Students will gain a broad-based multidisciplinary exposure to a range of business disciplines.

3. Critical thinking skills

Students will develop the ability to classify, analyze and evaluate the available data using appropriate techniques for effective decision making.

4. Ethics

Students will develop an awareness and understanding of ethical issues.

5. Global mindset

Students will develop a focus on global connections with local contexts through awareness of diversity across cultures and markets.

Breakdown of credit hours

Course category	Courses	Credit hours
University core courses	4	12
Business core courses	23	71
Non-specialization core courses	5	15
Business electives	5	15
Non-specialization electives	3	9
Total required coursework	40	122
Experiential learning project	Equivalent to 2 courses	6
Total credit hours	-	128

Semester-wise sequence of courses

Freshman	Semester-1	Course code	Credit hours	Pre-requisite	Course type
1	Principles of Microeconomics	ECO103	3	-	Business core
2	Socioeconomic Philosophy of Islam (SEPI) / Philosophy, Logic and Ethics (PLE)**	HUM357/ SSC301	3	-	University core
3	Introduction to Computer Applications	MIS103	3	-	Non specialization core
4	English Grammar and Composition	SSC101	3	-	University core
5	Foundations of Human Behavior	SSC104	3	-	Business core

	Semester - 2	Course code	Credit hours	Pre-requisite	Course type
1	Principles of Accounting	ACC111	3	-	Business core
2	Principles of Macroeconomics	ECO104	3	-	Business core
3	Speech Communication	HUM201	1+2	-	University core
4	Principles of Management	MGT201	3	-	Business core
5	Introduction to Statistics	MTS102	3	-	Non specialization core
6	Calculus 1	MTS101	3	-	Non specialization core



Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite	Course type
1	Financial Accounting	ACC201	3	ACC111	Business core
2	Introduction to Business Finance	FIN201	3	-	Business core
3	Organizational Behavior	MGT221	3	SSC104, MGT201	Business core
4	Principles of Marketing	MKT201	3	-	Business core
5	Statistical Inference (with econometrics lab)	MTS202	3	MTS102	Non specialization core
6	Pakistan History	SSC151	3	-	University core

	Semester - 4	Course code	Credit hours	Pre-requisite	Course type
1	Analysis of Pakistani Industries	ECO211	3	ECO103, ECO104	Business core
2	Financial Institutions and Markets	FIN301	3	FIN201	Business core
3	Financial Management	FIN401	3	FIN201	Business core
4	Business Communication	MGT211	3	SSC101, HUM201	Business core
5	Business Mathematics and Linear Algebra	MTS212	3	MTS101	Non specialization core

Junior	Semester - 5	Course code	Credit hours	Pre-requisite	Course type
1	Management Accounting	ACC220	3	ACC201	Business core
2	Human Resource Management	HRM401	3	MGT221	Business core
3	Business Law	LAW205	3	-	Business core
4	Methods of Business Research	MKT301	3	MKT201, MTS202	Business core
5	Language-I	SSC201/ 205/209	4	-	Business core



Semester-wise sequence of courses

	Semester - 6	Course code	Credit hours	Pre-requisite	Course type
1	Production and Operations Management	MGT311	3	MGT201	Business core
2	Entrepreneurship	MGT421	3	FIN201, MGT201, MKT201	Business core
3	Marketing Issues in Pakistan	MKT401	3	MKT201	Business core
4	Language-II	SSC202/206/210	4	SSC201/205/209	Business core
5	Business elective I	-	3	*	Business elective

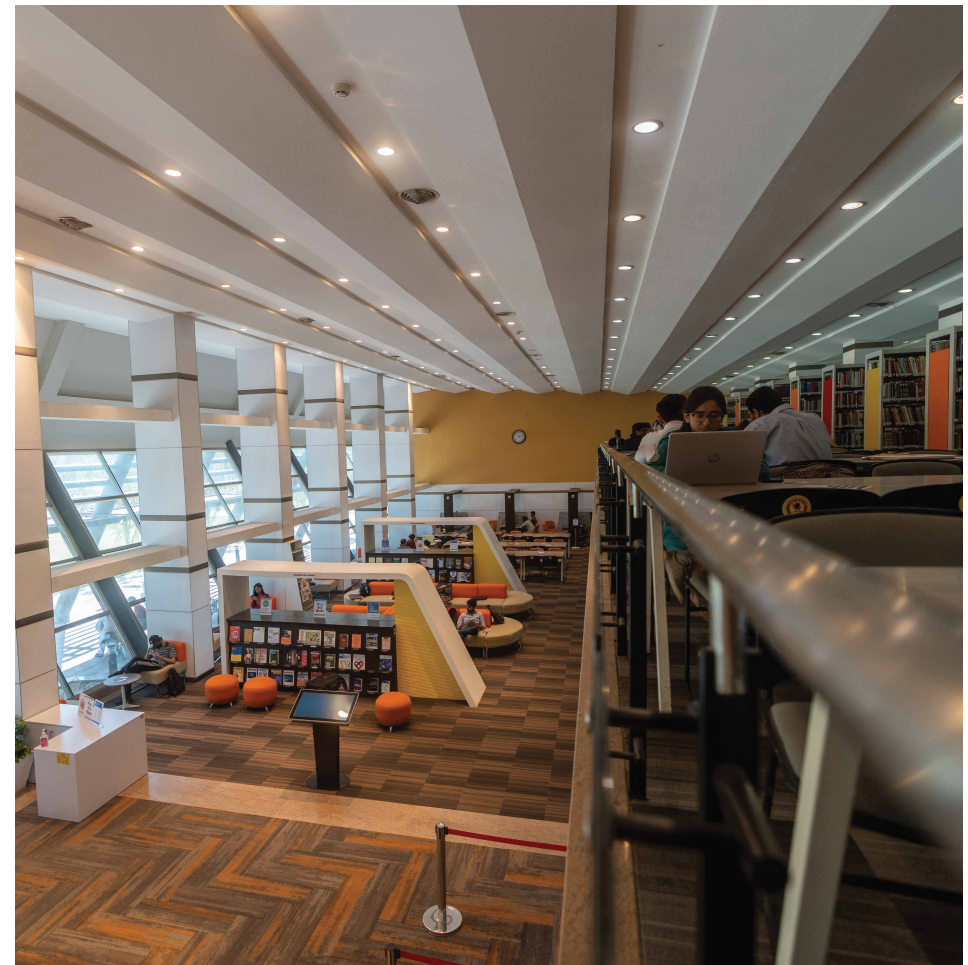
Senior	Semester - 7	Course code	Credit hours	Pre-requisite	Course type
1	Managerial Policy	MGT430	3	ECO103, ECO104, FIN201, MKT201, ACC201, MGT311, HRM401	Business core
2	Personal Effectiveness (non-credit course)	SSC240	-	-	Non-Credit
3	Business elective II	-	3	*	Business elective
4	Business elective III	-	3	*	Business elective
5	Non Specialization Elective I	-	3	*	Non specialization electives
6	Non Specialization Elective II	-	3	*	Non specialization electives

	Semester - 8	Course code	Credit hours	Pre-requisite	Course type
1	Experiential learning project (ELP)	PRJ491	6	MKT301, MGT430	Experiential learning project
2	Business elective IV	-	3	*	Business elective
3	Business elective V	-	3	*	Business elective
4	Non Specialization Elective III	-	3	*	Non specialization electives

** Muslim students must take SEPI according to HEC regulations. Non-Muslim students can take either of the two courses.

Business electives

Students select 5 courses as business electives. These may be chosen from any of the courses offered by the Business School that are not core courses for the BBA program or their equivalents. These elective courses therefore include, courses offered by Finance department (usually course codes beginning with FIN), Accounting and Law department (beginning with ACC and LAW), Marketing department (usually beginning with MKT) and the Management department (usually beginning with MGT, HRM, ENT and SCM), subject to fulfillment of pre-requisites. List of course offerings differ semester to semester and students can find the current offerings on the website or with the relevant program offices. A reference list is provided below.





BBA electives offered in last two years

Course title	Course Code	Credit hours	Pre-requisite
Globalization & International Law	ACC231	3	-
Advanced Managerial Accounting	ACC310	3	ACC220
Financial Reporting	ACC315	3	ACC201
Auditing	ACC320	3	-
Advanced Auditing	ACC325	3	ACC320
Accounting Information System with SAP	ACC330	3	ACC201
Advanced Financial Reporting	ACC401	3	ACC315
Fixed Income Investments	FIN424	3	FIN401
Investment Banking	FIN451	3	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
Treasury and Funds Management	FIN462	3	FIN401
Islamic Banking & Finance	FIN463	3	-
Financial Modeling	FIN464	3	FIN401
Regulations and Financial Markets	FIN465	3	FIN301
Marketing of Financial Service	FIN467	3	FIN401
Venture Capital & Innovation in Finance	FIN468	3	FIN401
Recruitment & Selection Techniques	HRM430	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
Performance & Compensation Management	HRM462	3	MGT201, HRM401
Politics and Law	LAW105	3	-
Company Law	LAW202	3	LAW205
Taxation	LAW303	3	ACC201
Corporate Law	LAW305	3	LAW205
Legal & Regularity Environment	LAW310	3	LAW205
Advanced Taxation	LAW401	3	LAW303
Foundation for Management & Entrepreneurship - I	MGT102	3	-
Ethics In Corporate Society	MGT301	3	MGT201
Small Business Management	MGT401	3	MGT201, MKT201, FIN201
International Business	MGT452	3	-
Strategic Management	MGT454	3	-
Introduction to Trade Marketing	MKT350	3	MKT201
Introduction to Marketing Analytics	MKT353	3	MKT201
Data Manipulation & Visualization	MKT354	3	-
Marketing for Startups	MKT355	3	MKT201
Media Management	MKT356	3	MKT201

Course title	Course Code	Credit hours	Pre-requisite
Fundamentals of E-Commerce	MKT450	3	MKT201
Advertising	MKT451	3	MKT201, MKT401
Consumer Behavior	MKT452	3	MKT201, MKT301
Sales Management	MKT453	3	MKT201
Retailing	MKT455	3	MKT201
Public Relations	MKT458	3	MKT201
Brand Management	MKT461	3	MKT201, MKT301, MKT401
Social Marketing	MKT463	3	-
B2B Marketing	MKT465	3	-
Digital Marketing	MKT466	3	-
Analytical Approach to Marketing Decisions	MKT467	3	MKT201
Social Media Marketing	MKT468	3	-
Fundamentals of Supply Chain Management	SCM456	3	-
Introduction to Distribution & Logistics	SCM457	3	-
Essentials of Demand & Supply	SCM462	3	-

Non-specialization electives

Students must choose three electives as non-specialization elective courses from any discipline offered by any school at the IBA other than those offered from business school. These courses must not be the same or equivalents of the core courses in the program. These courses can be from Mathematics, Computer Sciences, Economics and Social Sciences disciplines. List of course offerings differ semester to semester and students can find the current offerings on the website or with the relevant program offices.

Experiential learning and lifelong learning mindset

The curriculum of the BBA program is enriched with experiential learning opportunities and activities aimed at developing lifelong learning mindset. A full-fledged personal effectiveness seminar series is included as part of the curriculum that every student must complete as a mandatory requirement for graduation. Many courses include guest speaker sessions from industry experts. Some courses also include formal corporate visits. Furthermore, term projects also require students to study, analyze and document a real-life business problem and help them connect with the industry. Some courses in management require students to launch a startup as part of the course project. This helps the students to put theory into practice. There are various success stories as a few of these startups are now working as well-developed businesses. Some of them also manage to get investments.



Internships

To provide students with an early exposure to the business world, a formal corporate internship must be carried out after completing the 6th semester (i.e. after completion of all the courses till 6th semester). However, students joining from the spring semester can be provided an exception to carry out their corporate internships during the subsequent summer after their 5th semester. These internships are a mandatory requirement for graduation. Career Development Center at IBA coordinates for the necessary requirements for the internship.

Experiential Learning Project (ELP)

Experiential Learning Project (ELP) is a mandatory and concluding part of the BBA program. It is a semester long project in a corporate entity, an on-the-job training in a real business environment. The ELP allows the students to network with their future employers and introduces them to the challenges of the real business world. The project is equivalent to 6 credit hours and the grade is also incorporated in the CGPA of the students. Detailed requirements of the ELP program are available with the program coordinator office and are provided to the students during their seventh semester. For more information: <https://elp.iba.edu.pk/>.

Positive societal impact

Ethical mindset and societal considerations are infused in the BBA curriculum through various avenues including course embedded topics such as Code of Ethics is part of the curriculum in the courses related to Accounting and Auditing, term projects, and social internship.

Social internship program

In undergraduate programs, social internship (called the Responsible Citizen Initiative) is a mandatory requirement of completing the learning cycle. Students are required to work in Non-Governmental Organization (NGO) or a social enterprise for a period of four to six weeks to get an exposure to the social problems and contribute at ground level.

This can be done after the 1st year of studies / 2nd semester and must be completed by the end of the 3rd year of studies / 6th semester. Career Development Center at IBA coordinates for the necessary requirements for the internship.

Term projects with societal impacts

Many courses have the element of term project. Some of these projects also have an objective of social contribution apart from providing an experiential learning avenue. Recent examples include career counselling programs for school students from underprivileged background and organizing events that have positive social impact under the management courses.

Use of technology and innovative pedagogy

The curriculum encourages use of latest technology applications in its courses related to different business functions. These emerging technologies are continuously identified through market trends and are made part of the curricula after certain deliberations through the course review process. Some courses in BBA program integrating software teaching include, Methods in Business Research (SPSS), Financial Management, Financial Modelling (Advanced Excel), Introduction to Marketing Analytics (R and R studio), Data Manipulation and Visualization (Power BI), Accounting Information System with SAP and Financial Econometrics (E views).

Another way the program fosters technology exposure to its students is through the integration of technology in pedagogy. The use of games and simulations, course projects, video case studies and blended learning (online courses like Coursera) require students to keep in constant touch with recent technology platforms.



Bachelor of Science (BS) Accounting and Finance

The Bachelor of Science (BS) in Accounting and Finance is a full-time 126 credit hours program comprising 4-year of rigorous education. The program is designed to provide an exclusive opportunity to students to receive specialization in Accounting and Finance. The graduates of this program obtain multiple exemptions from the Institute of Chartered Accountants of Pakistan (ICAP) and Association of Chartered Certified Accountants (ACCA). Furthermore, Chartered Institute of Management Accountants (CIMA), Institute of Cost and Management Accountants of Pakistan (ICMAP) and Institute of Bankers Pakistan (IBP) also provide exemptions on a case-to-case basis to the program graduates. Details of such exemptions may be found at relevant websites and secretariats of these institutions.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Program learning competencies

1. Effective communication skills

Students will develop the ability to become effective speakers, listeners, writers, and team members.

2. Knowledge of core business disciplines

Students will gain a broad-based multidisciplinary exposure to a range of business disciplines.

3. Critical thinking skills

Students will develop the ability to classify, analyze and evaluate the available data using appropriate techniques for effective decision making.

4. Ethics

Students will develop an awareness and understanding of ethical issues.

5. Glocal Mindset

Students will develop a focus on global connections with local contexts through awareness of diversity across cultures and markets.

Program structure

		Credit hours
Time to completion	4 years	-
Minimum regular semesters	8	-
Core courses	23	69
Elective courses	17	51
Experiential Learning Project	1	6
Total	40 + ELP	126
Responsible Citizen Initiative (RCI) internship	1	-
Corporate internship (6-8 weeks)	1	-
Personal effectiveness program**	10 hours	-

* Personal effectiveness program is a 10 hours seminar series conducted by industry professionals.

Breakdown of credit hours

Course category	Courses	Credit hours
University core courses	4	12
Accounting core courses	6	18
Finance core courses	5	15
Non-specialization core courses	8	24
Accounting electives courses	6	18
Finance elective courses	7	21
Non-specialization elective courses	4	12
Total required coursework	40	120
Experiential learning project	1	6
Total credit hours	-	126

Semester-wise sequence of courses

Freshman	Semester-1	Course code	Credit hours	Pre-requisite	Course type
1	Principles of Accounting	ACC111	3	-	Accounting core
2	Introduction to Economics	ECO105	3	-	Non-specialization core
3	Introduction to Statistics	MTS102	3	-	Non specialization core
4	Calculus 1	MTS101	3	-	Non specialization core
5	English Grammar and Composition	SSC101	3	-	University core
6	Pakistan History	SSC151	3	-	University core
	Semester - 2	Course code	Credit hours	Pre-requisite	Course type
1	Financial Accounting	ACC201	3	ACC111	Accounting core
2	Introduction to Business Finance	FIN201	3	-	Finance core
3	Speech Communication	HUM201	3	-	University core
4	Business Law	LAW205	3	-	Accounting core
5	Introduction to Computer Application	MTS102	3	-	Non specialization core
6	Socioeconomic Philosophy of Islam (SEPI) / Philosophy, Logic and Ethics (PLE)*	SSC301/ HUM357	3	-	University core
Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite	Course type
1	Financial Institutions and Markets	FIN301	3	FIN201	Finance core
2	Financial Management	FIN401	3	FIN201	Finance core
3	Management and Organizational Behaviour	MGT231	3	-	Non-specialization core
4	Principles of Marketing	MKT201	3	-	Non-specialization core
5	Statistical Inference with Econometrics	MTS202	3	MTS102	Non-specialization core

	Semester - 4	Course code	Credit hours	Pre-requisite	Course type
1	Management Accounting	ACC220	3	ACC201	Accounting core
2	Taxation	LAW303	3	ACC201	Accounting core
3	Accounting elective I	-	3	-	Accounting elective
4	NS Elective I	-	3	-	Non specialization elective
5	NS Elective II	-	3	-	Non specialization elective
Junior	Semester - 5	Course code	Credit hours	Pre-requisite	Course type
1	Auditing	ACC320	3	ACC201	Accounting core
2	Financial Modeling	FIN464	3	FIN401	Finance core
3	Regulations and Financial Markets	FIN465	3	FIN301	Finance core
4	Business Communication	MGT211	3	SSC101/ HUM201	Non specialization core
5	Accounting elective II	-	3	-	Accounting elective
	Semester - 6	Course code	Credit hours	Pre-requisite	Course type
1	Accounting elective III	-	3	-	Accounting elective
2	Finance elective I	-	3	-	Finance elective
3	Finance elective II	-	3	-	Finance elective
4	Finance elective III	-	3	-	Finance elective
5	NS elective III	-	3	-	Non specialization elective

Semester-wise sequence of courses

Senior	Semester - 7	Course code	Credit hours	Pre-requisite	Course type
1	Accounting elective IV	-	3	-	Accounting elective
2	NS elective IV	-	3	-	Non-specialization elective
3	Finance elective IV	-	3	-	Finance elective
4	Finance elective V	-	3	-	Finance elective
5	Finance elective VI	-	3	-	Finance elective
	Semester - 8	Course code	Credit hours	Pre-requisite	Course type
1	Accounting elective V	-	3	-	Accounting elective
2	Accounting elective VI	-	3	-	Accounting elective
3	Finance elective VII	-	3	-	Finance elective
4	ELP	PRJ491	6	-	Experiential learning project

* Muslim students must take SEPI according to HEC regulations. Non-Muslim students can take either of the two courses.

Accounting electives (6 to be selected)

Accounting elective courses may constitute any of the courses offered by Accounting and Law department (subject to fulfillment of pre-requisites) that is not a core course. The relevant courses have the course code in the format of ACCXXX and LAWXXX. List of course offerings differ semester to semester and students can find the current offerings on the website or with the relevant program offices.

Reference list of accounting elective courses is given below (offered in the last year).

S. No.	Course title	Course code	Credit hours	Pre-requisite
1	Globalization & International Law	ACC231	3	-
2	Advanced Managerial Accounting	ACC310	3	ACC220
3	Financial Reporting	ACC315	3	ACC201
4	Advanced Auditing	ACC325	3	ACC320
5	Accounting Information System with SAP	ACC330	3	ACC201
6	Advanced Financial Reporting	ACC401	3	ACC315
7	Politics and Law	LAW105	3	-
8	Corporate Law	LAW305	3	LAW205
9	Legal & Regularity Environment	LAW310	3	LAW205
10	Advanced Taxation	LAW401	3	LAW303

Finance electives (7 to be selected)

Finance elective courses may constitute any of the courses offered by Finance department (subject to fulfillment of pre-requisites). These courses usually have code in the format of FINXXX. List of course offerings differ semester to semester and students can find the current offerings on the relevant website or with the relevant program offices.

Reference list of finance elective courses is given below (offered in the last year)

S. No.	Course title	Course code	Credit hours	Pre-requisite
1	Fixed Income Investments	FIN424	3	FIN401
2	Investment Banking	FIN451	3	FIN401
3	Security Analysis	FIN453	3	FIN401
4	Corporate Finance	FIN454	3	FIN401
5	Portfolio Management	FIN455	3	FIN401
6	Financial Risk Management	FIN456	3	FIN401
7	Derivatives	FIN457	3	FIN401
8	Treasury and Funds Management	FIN462	3	FIN401
9	Islamic Banking & Finance	FIN463	3	-
10	Marketing of Financial Service	FIN467	3	FIN401
11	Venture Capital & Innovation in Finance	FIN468	3	FIN401

Non-specialization electives (4 to be selected)

Students must choose 4 courses as non-specialization courses based on their interest and preference. These are undergraduate course offered at the IBA at any school and by any department, except those offered as accounting or finance courses (that is, except those offered under course codes ACCXXX, LAWXXX and FINXXX).

At least one of the NS electives must be from courses offered by the Social Sciences Department. These courses are usually in the format of SSCXX, HUMXXX, HSTXXX, NSCXXX, MCSXXX, POLXXX, PSYXXX or language courses.

Other three electives in this category can be any undergraduate course that is not a core (or equivalent) course and not an accounting or finance elective for the program. These courses may be those offered from any of the three schools at IBA (subject to fulfillment or prerequisites). ACF Students are not allowed to take Principles of Microeconomics, Principles of Macroeconomics, Principles of Management, or Organizational Behavior as NS-electives. List of course offerings differ semester to semester and students can find the current offerings on the relevant website or with the relevant program offices.

Accounting electives compulsory for CA and ACCA exemption

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

Experiential learning and lifelong learning mindset

The curriculum of the BSAF program is enriched with experiential learning opportunities and activities aimed at developing lifelong learning mindset. In addition to personal effectiveness seminar series, many courses include guest speaker sessions from industry experts. Some courses also include formal corporate visits like the visit to Pakistan Stock Exchange in undergraduate core course 'Financial Institutions and Markets'.

Internships

To provide students with an early exposure to the business world, a formal corporate internship must be carried out after completing the 6th semester (i.e. after completion of all the courses till 6th semester). However, students joining from the spring semester can be provided an exception to carry out their corporate internships during the subsequent summer after their 5th semester. These internships are a mandatory requirement for graduation. Career Development Center at IBA coordinates for the necessary requirements for the internship:

Experiential Learning Project (ELP)

Experiential Learning Project (ELP) is a mandatory and concluding part of the BSAF program. It is a semester long project in a corporate entity, an on-the-job training in a real business environment. The ELP allows the students to network with their future employers and introduces them to the challenges of the real business world. The project is equivalent to 6 credit hours and the grade is also included in the CGPA of the students. Detailed requirements of the ELP program are available with the program coordinator office and are provided to the students during their seventh semester. For more information: <https://elp.iba.edu.pk/>.

Positive societal impact

Ethical mindset and societal considerations are infused in the BSAF curriculum through various avenues including course embedded topics such as Code of Ethics is part of the curriculum in the courses related to Accounting and Auditing, term projects, and social internship.

Social internship program

In undergraduate programs, social internship (called the Responsible Citizen Initiative) is a mandatory requirement of completing the learning cycle. Students are required to work in Non-Governmental Organization (NGO) or a social enterprise for a period of four to six weeks to get an exposure to the social problems and contribute at ground level.

This internship can be carried out after the 1st year of studies / 2nd semester and must be completed by the end of the 3rd year of studies / 6th semester. Career Development Center at IBA coordinates for the necessary requirements for the internship.

Use of technology and innovative pedagogy

The curriculum encourages use of latest technology applications in its courses related to different business functions. These emerging technologies are continuously identified through market trends and are made part of the curricula after certain deliberations through the course review process. Some courses in BSAF program integrating software teaching include Financial Management, Financial Modelling (Advanced Excel), Accounting Information System with SAP (SAP) and Financial Econometrics (E views).

Another way the program fosters technology exposure to its students is the integration of technology in pedagogy. The use of games and simulations, course projects, video case studies and blended learning (online courses like Coursera) require students to keep in constant touch with recent technology platforms.



Master of Business Administration (MBA)

MBA is IBA's flagship program offered in both morning and evening modalities. Through this program, students will develop a range of analytical, conceptual, and operational skills that can address the many challenges in industries and society. The program attracts talented students through a competitive process and facilitates 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.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

MBA Morning

The MBA Morning is a full-time program of 2 years duration. Students may choose from specializations in Marketing, Finance, Human Resource Management and Supply Chain Management.

MBA Evening

The MBA Evening is offered to part-time (working) students. Students may choose from specializations in Marketing, Finance, Human Resource Management and Supply Chain Management. The duration of this program (4 years) may vary depending on the capacity of the student to complete the course load during each semester. Classes are held in the evenings on weekdays.

Program learning competencies

1. Effective communication skills

Students will develop the ability to communicate effectively while presenting/defending business ideas and decisions.

2. Knowledge of core business disciplines

Students will develop the ability to apply knowledge of major business disciplines for problem solving and decision making.

3. Critical analysis skills

Students will develop the ability to analyze a complex business situation to reach a diagnosis and prescribe resolution strategies.

4. Ethics

Students will develop ethical understanding in a business setting.

5. Global Mindset

Students will develop an appreciation of diversity in business practices, both locally and globally.

Program structure

		Credit hours
Time to completion	2 years (MBA Morning) 4 years (MBA Evening)*	-
Summer Orientation Program (SOP)	8 weeks	-
Core courses	15	36**
Capstone course	1	3
Elective courses	9	27
MBA Project	1	6
Total	25 + 1 project	72
Corporate internship (6-8 weeks)***	1 (only for MBA Morning)	-
Personal effectiveness program**** (10 hours)	1 (only for MBA Morning)	-
Comprehensive Exam*****	1	Pass/Fail

*Approximate only; actual duration varies based on the courseload.

** There are 4 courses of 1.5 credit hours each, 1 course of 2 credit hours and 1 course of 1 credit hour.

***Corporate internship is mandatory for students coming from non-BBA academic backgrounds.

****Personal effectiveness program consists of 5 sessions delivered by industry professionals.

*****Clearing Comprehensive Exam is a mandatory requirement for degree completion.

Summer Orientation Program Courses	Duration
Business Accounting	8 weeks program
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	
Library Usage and Online Resources Utilization Workshops	

Semester-wise sequence of courses

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

Semester-2	Course code	Credit hours	Pre-requisite	Course type
Accounting for Decision Making	ACC505	3	ACC506	Core
Macroeconomics	ECO507	1.5	ECO501	Core
International Political Economy	ECO508	1.5	ECO501	Core
Business Finance II	FIN507	3	FIN506	Core
Legal and Regulatory Environment of Business	LAW501	3	-	Core
Operations and Production Management	MGT510	3	FIN506 MKT501 MGT557	Core
Applied Business Research – Qualitative	MKT503	1.5	MKT501 MTS509 MTS510	Core
Applied Business Research - Quantitative	MKT507	1.5	MKT501 MTS509 MTS510	Core
Total credit hours		18		

Corporate internship (6-8 weeks)

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

Semester-4	Course code	Credit hours	Pre-requisite	Course type
MBA project	PRJ701	3	-	Project
A minimum of five courses from electives	-	15	-	Elective
Total credit hours		18		

Important Note:

*Capstone course (Corporate Strategy) and MBA Project can only be taken after completion of all core courses.

MBA Morning students (except those taking retakes) are required to complete their core courses in the morning program.

For evening students, only the course sequence is observed, the semester does not apply since students can take 2-3 courses in a semester.

Elective courses

Course title	Course Code	Credit hours	Pre-requisite
Accounting Information System with SAP	ACC507	3	ACC506
Auditing Theory and Practice	ACC557	3	ACC506
IFRS and Financial Reporting in Pakistan	ACC559	3	ACC506
Analysis of Financial Statements	ACC561	3	ACC506
Project Evaluation and Financing	ACC589	3	ACC506
International Field Project	BUS551	3	-
Introduction to Ethics and Moral Philosophy	BUS553	3	-
International Trade	ECO539	3	ECO501
Public Policy Analysis: Theory and Practice	ECO560	3	ECO501
Environmental and Resource Economics	ECO561	3	ECO501
Financial Economics	ECO562	3	ECO501
Monetary Economics	ECO566	3	ECO501
Water Economics and Policy	ECO574	3	ECO501
Microeconomics of Policy Analysis	ECO575	3	ECO501
Financial Intermediation	FIN531	3	FIN507
The Strategic Management of Banks	FIN541	3	FIN507
International Finance	FIN551	3	FIN507
Investment Banking and Financial Services	FIN554	3	FIN507
Security Analysis and Capital Markets	FIN556	3	FIN507
Regulation and Financial Markets	FIN558	3	FIN507
Advanced Corporate Finance	FIN560	3	FIN507
Advanced Portfolio Management	FIN563	3	FIN507
Treasury and Fund Management	FIN565	3	FIN507
Risk Management	FIN567	3	FIN507
Derivatives and Risk Hedging	FIN568	3	FIN507
Financial Econometrics	FIN569	3	FIN506, MTS509
Islamic Finance	FIN570	3	FIN506
Financial Modelling	FIN574	3	FIN507
Fixed Income Securities	FIN594	3	FIN507
Behavioural Finance	FIN598	3	FIN507
People Analytics	HRM530	3	MGT557
Organizational Development	HRM552	3	MGT557
Team Management	HRM557	3	MGT557
Leading and Managing Change	HRM558	3	MGT557
Performance and Compensation Management	HRM562	3	MGT557
Developing Human Capital	HRM571	3	MGT557
Corporate Governance and Practices in Pakistan	LAW553	3	LAW501
Managerial Communications and Negotiations	MGT503	3	-
Entrepreneurial Management	MGT507	3	-
Strategic Human Resource Management	MGT512	3	MGT557
Strategic Management	MGT552	3	-
Project Management	MGT555	3	-

Course title	Course Code	Credit hours	Pre-requisite
International Market Entry Strategies	MGT558	3	-
International Business	MGT559	3	-
Technology Innovation Management and Design	MGT561	3	-
Branding and Creative Corporate Communication	MKT506	3	MKT501
Food Products Marketing	MKT550	3	MKT501
Advanced Marketing Communication	MKT551	3	MKT501
Applied Buying Behaviour	MKT552	3	MKT501
Social Marketing	MKT556	3	MKT501
Advanced Brand Management	MKT561	3	MKT501
Digital Marketing	MKT563	3	MKT501
Media Management	MKT566	3	MKT501
Social Media Marketing	MKT569	3	MKT501
Marketing Analytics	MKT574	3	MKT501, MTS509, MTS510
Trade Marketing	MKT576	3	MKT501
New Product Development	MKT578	3	MKT501
Growth Marketing for Technology Enabled Companies	MKT580	3	MKT501
E-Commerce & Its Application	MKT583	3	MKT501
Retail Management	MKT586	3	MKT501
Personal Selling	MKT651	3	MKT501
Sales Management	MKT653	3	MKT501
Services Marketing	MKT656	3	MKT501
Strategic Marketing	MKT657	3	MKT501
Advanced B2B Marketing	MKT658	3	MKT501
Global Marketing Management	MKT659	3	MKT501
Neuro Marketing	MKT660	3	-
Business Analysis and Decision Making	MTS500	3	MKT503, MKT507
Business Analytics	MTS501	3	MKT503, MKT507
Dynamics Of Distribution & Logistics	SCM557	3	MKT501
Supply Chain Management	SCM559	3	MKT501
Strategic Sourcing and Procurement	SCM570	3	MKT501
Strategic Sourcing and Negotiation Skills	SCM571	3	MKT501

Experiential learning and lifelong learning mindset

The curriculum of the MBA Program is enriched with experiential learning opportunities. Personal effectiveness program consists of 5 interactive sessions delivered by industry professionals on topics including interpersonal skills, career talk, work practices and ethics. Furthermore, guest lectures, field trips, games and simulations, term projects are also included for experiential learning.

The students are also exposed to various activities to develop a lifelong learning mindset. With faculty mentoring, they are encouraged to participate in industry challenges, competitions and activities to further develop a learning mindset.

MBA project

The mandatory MBA project serves as a tool for experiential learning as it involves data collection and detailed analysis of a specific industry-related issue and presentation of analysis with solutions/ recommendations. Students must engage with the industry and a faculty mentor to complete the MBA project.

Corporate internship

MBA morning students must undertake a mandatory 6 – 8-week corporate internship. This provides them an exposure to apply their learning in an actual work environment.



Positive societal impact

As part of the IBA-SBS Mission, social enlightenment broadly and ethics specifically is an important element of the MBA program. It is infused in various courses in the form of explicit topics or part of pedagogy, such as case-studies, to discuss the ethical implications. Also, some courses, like 'Legal and Regulatory Environment of Business', 'Organizational Behavior and Leadership', 'Corporate Strategy' and 'Introduction to Ethics and Moral Philosophy' focus on this component at a higher level. Code of Ethics is also part of the curriculum in the courses related to Accounting and Auditing.

Use of technology and innovative pedagogy

IBA-SBS supports and encourages the use of innovative pedagogical tools by faculty through various faculty trainings and ensuring the access to such resources. For example, IBA-SBS has access to Harvard Business Publishing and uses Harvard cases, and simulations in various courses. Many courses at MBA level, use case studies in pedagogy to embed the application of concepts in real life scenarios.

The MBA program also incorporates software in student learning including SPSS, NVivo, AMOS, SAP and Advanced Excel.



Master of Business Administration (MBA) Executive

The MBA Executive is a 72 credit hours weekend program for working professionals. MBA Executive degree from the IBA-SBS offers a unique opportunity for in-service professionals to enrich their knowledge and skills without compromising their job commitments. The program can be completed in approximately 3 years, depending on the number of courses taken by individual students.

This program is designed for professionals who wish to acquire a leadership role and want to reach the highest levels of the corporate ladder, especially under C-suite (CEO, CFO and COO) or an entrepreneurial role. The program format, courses, methodology and content are developed in consultation with leading experts and experienced faculty members.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Class timings

The classes are conducted on weekends.

Program learning competencies

1. Effective communication skills

Students will develop the ability to communicate effectively while presenting/defending business ideas and decisions.

2. Knowledge of core business disciplines

Students will develop the ability to apply knowledge of major business disciplines for problem solving and decision making.

3. Critical analysis skills

Students will develop the ability to analyze a complex business situation to reach a diagnosis and prescribe resolution strategies.

4. Ethics

Students will develop ethical understanding in a business setting.

5. Global mindset

Students will develop an appreciation of diversity in business practices, both locally and globally.

Program structure

		Credit hours
Time to completion**	3 years*	-
Core courses	13	39
Capstone course	1	3
Elective courses	8	27
MBA Executive Project	1	6
Total	22 + 1 project	72
Comprehensive Exam***	1	-

* Approximate only; actual duration varies based on the course load.

** Core courses are not offered in the summer semester and maximum two elective courses can be taken.

*** Clearing the Comprehensive exam is a mandatory requirement for degree completion.



Semester-wise sequence of courses:

Semester-1	Course code	Credit hours	Pre-requisite	Course type
Managerial Economics	ECO501	3	-	Core
Managerial Communication	MGT503	3	-	Core
Quantitative Methods for Decision Making	MTS506	3	-	Core

Semester - 2	Course code	Credit hours	Pre-requisite	Course type
Financial Accounting and Information System	ACC506	3	-	Core
Legal and Regulatory Environment of Business	LAW501	3	-	Core
Marketing Management	MKT501	3	-	Core
Elective-I	-	-	-	Elective

Semester - 3	Course code	Credit hours	Pre-requisite	Course type
Business Finance I	FIN506	3	-	Core
Operations and Production Management	MGT510	3	FIN506 MKT501 MGT557	Core
Advanced and Applied Business Research	MKT505	3	MTS506	Core
Elective - II	-	-	-	Elective
MBA Executive Project Part-I	-	-	-	Project

Semester - 4	Course code	Credit hours	Pre-requisite	Course type
Global Economics and Political Environment	ECO517	3	ECO501	Core
Business Finance II	FIN507	3	FIN506	Core
Organizational Behavior and Leadership	MGT557	3	-	Core
Elective - III	-	-	-	Elective
MBA Executive Project Part-II	-	-	MKT505	Project

Semester - 5	Course code	Credit hours	Pre-requisite	Course type
Accounting for Decision Making	ACC505	3	ACC506	Core
Corporate Strategy	MGT541	3	All core courses	Capstone
Elective - IV	-	-	-	Elective

Semester - 6	Credit hours	Pre-requisite	Course type
Elective V	-	-	Elective
Elective VI	-	-	Elective
Elective VII	-	-	Elective
Elective VIII	-	-	Elective

Important Note:

*Capstone course (Corporate Strategy) can only be taken after completion of all core courses. MBA Executive Project can be taken after 3rd semester.



Elective courses

Course title	Course Code	Credit hours	Pre-requisite
Analysis of Financial Statements	ACC561	3	ACC506
Business Analytics and Decision Making	MTS500	3	-
Issues in Pakistan Economy	ECO544	3	ECO501
Advance Corporate Finance	FIN501	3	FIN507
Treasury and Financial Derivatives	FIN535	3	FIN507
Corporate Investment Banking	FIN536	3	FIN507
Islamic Finance	FIN559	3	FIN507
Advance Portfolio Management	FIN563	3	FIN507
Risk Management	FIN567	3	FIN507
Financial Modeling	FIN574	3	FIN507
Recruitment and Selection Techniques	HRM530	3	MGT557
Leading the Change Process	HRM558	3	MGT557
Performance and Compensation Management	HRM562	3	MGT557
Training and Development	HRM571	3	MGT557
Corporate Governance and Practices in Pakistan	LAW553	3	LAW501
Strategic Human Resource Management	MGT512	3	MGT557
Project Evaluation and Management	MGT531	3	-
Alternate Management	MGT560	3	-
Mobile Marketing Strategy	MIS553	3	MKT501
Branding and Creative Corporate Communication	MKT506	3	MKT501
Advance Marketing Communication	MKT551	3	MKT501
Entrepreneurial Management	MKT553	3	-
Dynamics of Distribution and Logistics	SCM557	3	MKT501
Supply Chain Management	SCM559	3	MKT501
Advance Brand Management	MKT561	3	MKT501
Digital Marketing	MKT563	3	MKT501
Integrated Marketing Management	MKT564	3	MKT501
Social Media Marketing	MKT569	3	MKT501
Strategic Sourcing and Negotiation Skills	SCM571	3	MKT501
Retailing	MKT586	3	MKT501
Services Marketing	MKT656	3	MKT501
B2B Marketing	MKT658	3	MKT501
Global Marketing Management	MKT659	3	MKT501

Further electives can be included based on industry demand and participants requirements.

Experiential learning and lifelong learning mindset

The curriculum of the MBA Executive includes different avenues for experiential learning. Guest speaker sessions, simulation exercises, and term projects provide the opportunity to enhance understanding through experiential avenue of learning. Workshops, trainings, networking events are also regularly arranged to develop a lifelong learning mindset.



The MBA Executive Project

The mandatory MBA Executive Project serves as a tool for experiential learning as it involves data collection and detailed analysis of a specific industry-related issue and presentation of analysis with solutions/ recommendations. Students must engage with the industry and a faculty mentor to complete the MBA Executive project.

Positive societal impact

As part of the IBA-SBS Mission, social enlightenment broadly and ethics specifically is an important element of the MBA Executive program. It is infused in various courses in the form of explicit topics or part of pedagogy, such as case-studies, to discuss the ethical implications. Also, some courses, like 'Legal and Regulatory Environment of Business', 'Organizational Behavior and Leadership' and 'Corporate Strategy' focus on this component at a higher level. Code of Ethics is also part of the curriculum in the courses related to Accounting and Auditing.

Use of technology and innovative pedagogy

IBA-SBS supports and encourages the use of innovative pedagogical tools by faculty through various faculty trainings and ensuring the access to such resources. Many courses at MBA Executive level, use case studies in pedagogy to embed the application of concepts in real life scenarios. The faculty has access to Harvard Business Publishing and uses Harvard cases, and simulations in various courses.

The MBA Executive program also incorporates software in student learning including SPSS, AMOS, Advanced Excel etc.

Master of Science (MS) Finance

The MS Finance is a 36 credit hours morning program which can be completed in the minimum duration of 1.5 years. The program is designed to provide a solid theoretical, as well as computational skillset for a successful career in the field of finance. Students are prepared for challenges in the domestic and global financial system by imparting comprehensive knowledge of finance and its multidisciplinary aspects. Students will gain an in-depth knowledge with core courses in corporate finance and investments, before they can streamline the degree, to their choice of specialization (Market Finance or Corporate Finance) with a range of optional courses, including a few specifically designed applied courses. The MS Finance program is offered to both full-time students and part-time (working) students.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Class timings

The classes will be conducted in the evenings and on weekends.

Program learning competencies

1. Advanced knowledge of marketing disciplines

Students will gain in depth knowledge of areas within the finance field.

2. Critical analysis skills

Students will develop critical thinking skills.

3. Ethical awareness

Students will develop awareness of ethical issues in the finance field and research.

4. Plan and execute research

Students will engage with and contribute to knowledge frontiers in the finance field.

Program structure

		Credit hours
Core courses	7	21
Elective courses	3*	9
Thesis / Project	1	6
Total	10 + 1 thesis	36

* MS students can opt to take a project of 3 credit hours in place of thesis along with an additional elective course to complete the mandatory credit hours. Furthermore, such students cannot use this MS degree to apply for a PhD program, as per HEC policy.

Semester-wise sequence of courses

Semester-1	Course code	Credit hours	Pre-requisite	Course type
Corporate Finance	FIN 555	3	-	Core
Financial Econometrics	FIN 569	3	-	Core
Investments	FIN 511	3	-	Core
Financial Analysis through Excel and VBA	FIN 516	3	FIN 555	Core
Ethics and professional standards in Finance	FIN 505	3	-	Core

Semester-2	Course code	Credit hours	Pre-requisite	Courses type
Seminars in Finance	FIN 577	3	-	Core
Financial Analysis through Stata and R	FIN 517	3	FIN 555	Core
Area elective 1*	-	3	-	Elective Core
General elective 1	-	3	-	Elective Core

Semester-3	Course code	Credit hours	Pre-requisite
Area elective 2	-	-	Elective Core
Thesis/project	-	-	-

Important note

*Students can opt for specialization in the fields of Corporate Finance or Market Finance.

Elective courses

Corporate Finance

S.No	Course title	Course code	Credit hours	Pre-requisite
1	Mergers and Acquisitions	FIN 577	1.5	FIN 555
2	Project Finance and Public Private Infrastructure	FIN 555	1.5	FIN 555
3	International Finance	FIN 551	3	FIN 555
4	Applied Security Analysis and Financial Modelling	FIN 562	3	FIN 555

Market Finance

S.No	Course title	Course code	Credit hours	Pre-requisite
1	Empirical Asset Pricing	FIN 575	3	FIN511/ FIN516
2	Derivatives and Risk Hedging	FIN 568	3	FIN 555
3	Mathematical Finance	FIN 578	3	FIN 555
4	Treasury and Fund Management	FIN 565	3	FIN 555

General electives

S.No	Course title	Course code	Credit hours	Pre-requisite
1	Fintech and Financial Innovation	FIN 580	3	FIN 555
2	Behavioral Finance	FIN 598	3	FIN 555
3	Islamic Finance	FIN 559	3	FIN 555
4	Risk Management	FIN 562	3	FIN 555
5	Advanced Econometrics	STA 672	3	FIN 569
6	Python for Finance	FIN 582	3	FIN 555

Experiential learning and lifelong learning mindset

Experiential learning is embedded in the MS Finance program through thesis/project and various projects embedded in courses to give students an opportunity to interact with industry professionals, analyze and document a real-life problem and connect with the financial market.

The MS Finance core courses introduce students to basic and advance level finance courses along with econometrics and financial analysis courses to strengthen students research and data analysis skills in Finance for lifelong learning. Students then choose their thesis or project as per the specialized area choice which enables them to apply the relevant research tools to analyze an issue in their selected area.

● Finance lab

A Finance lab is also being developed at the IBA-SBS which will give students an opportunity to apply their learning through various practical approaches. The Finance lab will provide the students with exposure to securities and investment analysis, and portfolio management through real-time market data.



Positive societal impact

Aligned with the IBA-SBS mission, the curriculum embeds social enlightenment and ethics at the core of learning. Most courses include a topic on ethical perspective and conduct and projects are also required to have a necessary component of ethical implications. Moreover, the students are encouraged to pick a topic for their thesis/project with a positive societal impact and include ethical perspectives in their research work.

Use of technology and innovative pedagogy

The MS-Finance program incorporates software in student learning including Advanced Excel, VBA, Stata, R, Python etc. Apart from this, workshops, and trainings on new software are organized for graduate students to support in their research endeavors.

Master of Science (MS) Islamic Banking and Finance

The MS Islamic Banking and Finance (MS IBF) is a 42 credit hours program which can be completed in a minimum duration of 1.5 years. It is offered for fresh graduates from business and other disciplines, experienced practitioners as well as Shariah scholars. The program is designed to meet the growing needs of the Islamic Finance industry by providing theoretical and applied knowledge of Islamic Finance, Islamic Jurisprudence, Banking and Economics. Graduates of the program will have promising career prospects in academia and in the local and international Islamic Finance industry. The MS IBF program is offered for both full-time and part-time (working) students.



Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Class timings

The classes will be conducted in the evening and on weekends.

Program learning competencies

1. **Advanced knowledge of Islamic finance disciplines**
Students will gain in depth knowledge of areas within the Islamic finance field.
2. **Critical analysis skills**
Students will develop critical thinking skills.
3. **Ethical awareness**
Students will develop awareness of ethical issues in the Islamic finance field and research.
4. **Plan and execute research**
Students will engage with and contribute to knowledge frontiers in the Islamic finance field.

Program structure

		Credit hours
Core courses	9	27
Elective courses	3*	9
Thesis / Project	1	6
Total	12 + 1 thesis	42

* MS students can opt to take project of 3 credit hours in place of thesis along with an additional elective course to complete the mandatory credit hours.



Semester-wise sequence of courses

	Semester-1 (Fall)	Course code	Credit hours	Pre-requisite	Course type
1	Business Economics	ECO509	3	-	Core
2	Research Methodology in Economics and Finance	ECO536	3	-	Core
3	Islamic Jurisprudence	FIN508	3	-	Core
4	Financial Management	FIN510	3	-	Core

	Semester-2 (Spring)	Course code	Credit hours	Pre-requisite	Course type
1	Islamic Economics	ECO510	3	-	Core
2	Corporate Finance	FIN513	3	FIN510	Core
3	Islamic Finance	FIN559	3	FIN508	Core
4	Elective I	-	3	-	Elective

	Semester-3 (Fall)	Course code	Credit hours	Pre-requisite	Course type
1	Accounting and Auditing for Islamic Finance	ACC504	3	FIN508	Core
2	Islamic Capital Markets	FIN511	3	-	Core
3	Elective II	-	3	-	Core
4	Elective III	-	3	-	Elective

	Semester-4 (Spring)	Course code	Credit hours	Pre-requisite	Course type
1	Thesis/project	-	6/3*	ECO536	Thesis/Project

Important note

*Thesis is of 6 credit hours and project is of 3 credit hours.

MS IBF students may take up to 2 Finance related electives offered for other degree programs at IBA.

Elective courses

Course title	Course Code	Credit hours	Pre-requisite
Islamic Insurance (Takaful)	FIN512	3	-
Investment Banking and Structuring Financial Requirements	FIN550	3	-
International Finance	FIN551	3	FIN510
Islamic Law of Contracts	FIN572	3	-
Islamic Treasury Operations	FIN651	3	-
Islamic Partnership Corporate and Securities Law	-	3	-
Islamic Wealth Planning and Management	FIN-579	3	-
Islamic Portfolio Management	-	3	-
Financial Services Marketing	MKT-575	3	-
Shariah Issues in Islamic Finance	FIN-555	3	-
Commercial Law and Legal Documentation for Islamic Financial Services	FIN-654	3	-
Islamic Entrepreneurship	FIN-652	3	-
Advanced Econometrics	FIN-581	3	FIN514
Ethics and Corporate Governance	BUS-554	3	-
Risk Management for IFIs	FIN-578	3	-

Experiential learning and lifelong learning mindset

As a mandatory degree requirement, students are required to work on thesis or project where they study a certain issue in detail, collect the primary and secondary data to analyze the issue and produce recommendations. Working on these projects entails high level of involvement of the faculty with the students. Students choose their thesis or project as per the specialized area choice which enables them to apply the relevant research tools to analyze an issue in their selected area.

Inculcating lifelong learning mindset, students also get a chance to work as research assistants on various faculty-led research and consultancy projects. They are also encouraged to participate in conferences and seminars with faculty mentoring. Recently, the 3rd World Islamic Finance Forum (WIFF) 2022 was conducted by the IBA Centre for Excellence in Islamic Finance (CEIF) with local and global participation.

Positive societal impact

As positive impact on society is one of the elements of IBA-SBS's mission statement, it is thus infused throughout the MS-IBF program. Students are encouraged to choose research topics that bring positive societal change. Some of the recent thesis topics include Islamic Finance Products for Agricultural Financing, Women Empowerment and Islamic Finance, Islamic Monetary Policy, and its impacts. In MS IBF program, understanding of Ethical Awareness and Islamic Banking and Finance Principles as applied in different countries, regions, markets, jurisdictions, and its impact on businesses and governments, is an important learning topic that has ethics at its core.

Use of technology and innovative pedagogy

The MS-IBF program incorporates software in student learning including Advanced Excel, Strata, E-views, and Data Stream. Apart from this, workshops, and trainings on new software are organized for graduate students to support in their research endeavors.

Master of Science (MS) Management

The MS Management is a 36 credit hours morning program which can be completed in a minimum duration of 1.5 years. The program is designed to prepare students for quality research and analysis in the field of Management. A sound theoretical basis is provided in the general area of Management and in specialization areas of Strategy and Organization, Operations Management and Entrepreneurship. This is complemented with developing research skills in both qualitative and quantitative domains. Students are introduced to various approaches, tools and techniques in research methods which enable them to tackle management related issues in a scientific manner. The MS Management program is offered to both full-time students and part-time (working) students.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Class timings

The classes will be conducted in the morning/daytime.

Program learning competencies

1. **Advanced knowledge of management disciplines**
Students will gain in depth knowledge of areas within the management field.
2. **Critical analysis skills**
Students will develop critical thinking skills.
3. **Ethical awareness**
Students will develop awareness of ethical issues in the management field and research.
4. **Plan and execute research**
Students will engage with and contribute to knowledge frontiers in the management field.

Program structure

		Credit hours
Foundation courses*	7	Depends on student's requirement
Core courses	6	18
Elective courses	4**	12
Thesis / Project	1	6
Total	10 + 1 thesis	36

* Students with non-business academic background will have to take foundation level courses which may require them to spend an extra semester in the MS program.

** MS students can opt to take project of 3 credit hours in place of thesis along with an additional elective course to complete the mandatory credit hours.



Semester-wise sequence of courses

Semester-1 (Fall)	Course code	Credit hours	Pre-requisite	Courses type
Research & Practice of Operations Management	MGT515	3	-	Core
Foundations of Management & Organization	MGT511	3	-	Core
Concepts in Entrepreneurship	MGT520	3	-	Core
Organizational Research Method	MGT601	3	-	Core

Semester-2 (Spring)	Course code	Credit hours	Pre-requisite	Courses type
Philosophy of Management and Organization	MGT514	3	MGT511	Core
Research Seminar in Strategy	MGT602	3	MGT511	Core
Area Core 1		3		Core
Elective 1		3		Elective

Semester-3 (Fall)	Course code	Credit hours	Pre-requisite	Courses type
Area Core 2		3	MGT511	Core
Elective 2		3	MGT511	Elective
Thesis/project		6/3*		Thesis/Project

Important Note:

*Thesis is of 6 credit hours and project is of 3 credit hours.

*Students can opt for specialization in areas of Strategy and Organization, Operations Management and Entrepreneurship.

Foundation courses

S.No	Foundation Courses	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	Introduction to Psychology	SSC218	3
7	Fundamentals of Sociology	SSC231	3

Note: Foundation courses are for students with non-business academic background.



Elective courses

Area core courses

Course title	Course Code	Credit hours	Pre-requisite
Quantitative Research Methods	MGT523	3	Introductory course in Stats
Qualitative Research Methods	MGT524	3	-
Advanced Entrepreneurship	MGT527	3	MGT520
Supply and Demand Management	MGT528	3	-
Organization Theory	MGT603	3	MGT511
Research Seminar in International Management	MGT604	3	MGT511
Innovation and Design	MGT605	3	-

Other elective courses

Course title	Course Code	Credit hours	Pre-requisite
Business Analytics	BUS501	3	-
Research in Organizational Behavior	MGT572	3	-
Alternative Management and Organization	MGT573	3	-
Modeling and Simulation	MGT574	3	-
Quality Management	MGT575	3	-
Pedagogy for Management	MGT576	3	-
Managing Social Entrepreneurship	MGT577	3	-

Experiential learning and lifelong learning mindset

The core courses in the MS Management program introduces the students to various management and organization theories, research methodologies and introduction of strategy, entrepreneurship, and operations management. Students then choose their thesis or project as per the specialized area choice which enables them to apply the relevant research tools to analyze an issue in their selected area.

Inculcating lifelong learning mindset, students also get a chance to work as research assistants on various faculty-led research and consultancy projects. They are also encouraged to participate in conferences and seminars with faculty mentoring.

Positive societal impact

Ethics is infused in various courses in the form of explicit topics or part of pedagogy, to discuss the ethical implications such as in the course Philosophy of Management and Organization. Students are also encouraged to choose a topic for their MS thesis/project which can bring positive societal change.

Use of technology and innovative pedagogy

The MS-Management program incorporates software in student learning including SPSS, Stata, AMOS, NVIVO. Apart from this, workshops, and trainings on new software are organized for graduate students to support in their research endeavors.



Master of Science (MS) Marketing

The MS Marketing is a 30 credit hours morning program which can be completed in a minimum duration of 1.5 years. The degree will engage the students in a manner which takes a pragmatic and applied approach to learning, enabling them to solve business problems realistically, identify opportunities and challenges while working in teams. The cornerstone of the program is to be an application of the marketing concepts; encapsulate the existing and upcoming trends; incorporate the mandatory ultra-modern tools and techniques needed by marketing professionals to be successful in the local and global market; and empower the graduates to make decisions which will resonate with the needs of the organization and match the job key deliverables.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Class timings

The classes will be conducted in the morning/ daytime.

Program learning competencies

1. **Advanced knowledge of marketing disciplines**
Students will gain in depth knowledge of areas within the marketing field.
2. **Critical analysis skills**
Students will develop critical thinking skills.
3. **Ethical awareness**
Students will develop awareness of ethical issues in the marketing field and research.
4. **Plan and execute research**
Students will engage with and contribute to knowledge frontiers in the marketing field.

Program structure

		Credit hours
Foundation courses*	6	Depends on student's requirement
Core courses	6	18
Elective courses	1**	3
Thesis / Project	1	9
Total	7 + 1 thesis	30

* Students with non-business academic background will have to take foundation level courses which may require them to spend an extra semester in the MS program.

** MS students can opt to take project of 6 credit hours in place of thesis along with an additional elective course to complete the mandatory credit hours.



Semester-wise sequence of courses

Semester-1 (Fall)	Course code	Credit hours	Pre-requisite	Course type
Marketing Strategy	-	3	-	Core
Seminar in Marketing Theory	-	3	-	Core
Consumer Insights	-	3	-	Core
Elective I	-	3	-	Elective

Semester-2 (Spring)	Course code	Credit hours	Pre-requisite	Course type
Research Philosophies	-	3	-	Core
Advanced Qualitative Research	-	3	-	Core
Advanced Quantitative Research	-	3	-	Core
Elective II	-	3	-	Elective

Semester-3 (Fall)	Course code	Credit hours	Pre-requisite	Course type
Thesis/ Project	-	9/6*	-	Thesis/Project
Elective III	-	-	-	Elective

*Thesis is of 9 credit hours and project is of 6 credit hours



Foundation courses

S.No	Foundation Courses	Course code	Credit hours
1	Marketing Issues in Pakistan	*	3
2	Marketing Management	-	3
3	Brand Management	-	3
4	Consumer Behavior	-	3
5	Introduction to Statistics	-	3
6	Introduction to Business Finance	-	3

*Course codes to be allocated

Elective courses

Course title	Course Code	Credit hours	Pre-requisite
Social media analytics	-	3	-
Business to business Marketing and Channel strategy	-	3	-
Sustainable marketing	-	3	-
Neuroscience and Reshaping marketing	-	3	-
Advertising and Society	-	3	-
Retail Analytics	-	3	-

Experiential learning and lifelong learning mindset

The core courses in the MS Marketing program introduces the students to various marketing theories, consumer insights, and research methodologies. Students can then choose their thesis or research project which enables them to apply the relevant research tools to analyze an issue in their selected area, giving exposure to experiential learning and lifelong learning mindset.

- **Neuromarketing lab**

The neuromarketing lab provides students an opportunity to learn and observe the effects of stimuli through eye tracking, skin response and facial response sensors. The purpose of the neuromarketing lab is to advance knowledge and understanding of neuromarketing and behavioral research.





School of Economics and Social Sciences (SESS)



SCHOOL OF ECONOMICS AND SOCIAL SCIENCES (SESS)

The School of Economics and Social Sciences (SESS) is an amalgamation of two academic departments and two research centers. The two academic departments are Department of Economics, and the Department of Social Sciences and Liberal Arts (SSLA), and the two research centers include Center for Business and Economic Research (CBER) and Population Research Center (PRC).

The SESS has a faculty comprising of seasoned academics, out of which 37 faculty members have PhDs. The Economics department's faculty employs diverse teaching and research methods in their scholarly work and is highly specialized in the fields of Development Economics, Applied Economics, Macroeconomics, Trade, Industrial Organization and Labor Economics.

The department of Social Sciences and Liberal Arts prepares students in wide range of academic disciplines including, Philosophy, History, Literature, Political Science, Urban Studies, Media Studies, Anthropology, and Journalism.

The CBER at SESS presents an opportunity to faculty and researchers at IBA to develop creative solutions and provide policy recommendations for pressing global issues. Through CBER's projects and high international engagement, faculty and students from academic departments conduct research to stay up to date on innovative techniques and recent developments in their respective disciplines. The center conducts the Brown Bag Seminar Series monthly, in which faculty as well as students are encouraged to present their latest work. The series provides a great platform for young researchers to get feedback from senior faculty members.

Three labs including, Social Inequality Lab, Economic Growth and Forecasting Lab, and Psychology lab, have been established recently to support students' and faculty's research.

Dean's Message



Dr. Asma Hyder

The establishment of the School of Economics and Social Sciences (SESS) in 2021 was an exciting time for the faculty, students, and researchers at IBA. During the journey of one and half year I am proud to share that we have progressed in establishing governance system of the school, special initiatives to enhance the research capacity and teaching excellence.

All programs in Economics and Liberal Arts are led by highly qualified and seasoned faculty. Our curriculum and the school's scholarly environment encourages students to develop themselves as effective practitioners and scholars. The plethora of courses offered at the SESS allow students to develop comprehensive skills in reading, writing, quantitative thinking and research, thereby preparing students for various career paths and life-long learning.

The research conducted by SESS is on diverse topics. The economics department is involved in impactful research on corporate governance, bonds and stock markets, economic growth, institutions, political economy, and sustainable development. Similarly, the social sciences and liberal arts department is ingrained in cutting-edge research on climate change, gender, urbanization, tourism, human behavior and social psychology. One of our top goals is to include our students in research endeavors to provide them pathways to successful careers.

Finally, I welcome you all to join us in our endeavors to address some of society's most pressing challenges.

Overview of departments

Department of Economics

The Department enables its students to learn theory, empirical investigation and policy analysis. The classroom and on-campus experience help the students to be trained as modern-day Economists, Researchers, Policy Analysts, and Academics in national and international institutions. Visit website: <https://economics.iba.edu.pk/>.

Department of Social Sciences and Liberal Arts

The Department adopts a multidisciplinary approach by offering majors in Psychology, Political Science, Media and Culture, and History. The students learn through theoretical and experiential knowledge. Visit website: <https://ssla.iba.edu.pk/>.

Center for Business and Economic Research (CBER)

CBER aims to provide an infrastructure to support the scholars in the fields of social sciences, business and humanities to conduct inter-disciplinary research that is rigorous and relevant. One of its main goals is to coordinate across research initiatives and develop connections both inside and outside Pakistan. The Center encourages researchers to venture beyond their disciplinary limits to arrive at fuller, more nuanced understandings of their research questions. Visit website: <https://cber.iba.edu.pk>.

Population Research Center (PRC)

Population Research Center (PRC) operations include coordinating, collecting, and analyzing data on population by liaising with different governmental organizations that are responsible for conducting census and other surveys to collect demographic information. The center also aims to play a pivotal role in the capacity building of researchers, practitioners, and emerging demographers in Pakistan by offering short courses in modern demographic methods and tools, including, Spatial and Environmental Demography, Population Modeling, Digital and Computational Demography, Economic and Social Demography and Social Epidemiology. Visit Website: <https://prc.iba.edu.pk>.

Bachelor of Science (BS) Economics

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

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

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

Required courses

	Courses	Credit hours
University core	4	12
Economics core courses	16	50
Economics elective courses	4	12
Supporting courses (Mathematics 3 and Statistics 2) (core)	5	15
Non-specialization courses (3 core + 8 electives)	11	33
Economics research project (core)	1	4
Personal Effectiveness	1	Pass/Fail
Total	42	126

Semester-wise sequence of courses

Freshman	Semester-1	Course code	Course type	Credit hours	Pre-requisite
1	Principles of Microeconomics	ECO103	Core	3	-
2	Introduction to Computer Applications	MIS103	Non Specialization-Core	3	-
3	Introduction to Statistics	MTS102	Core	3	-
4	Pakistan History	SSC151	University-Core	3	-
5	English Grammar and Composition	SSC101	University-Core	3	-
6	College Algebra*	MTS105	Non Specialization-Core	3	-

	Semester 2	Course code	Course type	Credit hours	Pre-requisite
1	Principles of Macroeconomics	ECO104	Core	3	-
2	Speech Communication	HUM201	University-Core	3	-
3	Calculus I	MTS101	Supporting-Core	3	-
4	Socioeconomic Philosophy of Islam (SEPI) / Philosophy, Logic and Ethics (PLE)**	SSC301/ HUM357	University -Core	3	-
5	Non-specialization elective I	-		3	-

Sophomore	Semester 3	Course code	Course type	Credit hours	Pre-requisite
1	Intermediate Microeconomics	ECO201	Core	3	ECO103
2	Linear Algebra	MTS203	Supporting-Core	3	MTS104/ MTS101
3	Calculus II	MTS113	Supporting-Core	3	MTS104/ MTS101
4	Introduction to Academic Writing	SSC236	Non Specialization-Core	3	-
5	Non-specialization elective II	-		3	-

	Semester 4	Course code	Course type	Credit hours	Pre-requisite
1	Intermediate Macroeconomics	ECO202	Core	3	ECO104
2	Development Economics	ECO301	Core	3	ECO103/ ECO104/ ECO105
3	Essential Software	MTS111	Non Specialization-Core	3	-
4	Statistical Inferences	MTS202	Supporting -Core	3	MTS102
5	Non-specialization elective III	-		3	-

Junior	Semester 5	Course code	Course type	Credit hours	Pre-requisite
1	Data Analytics for Economists	ECO304	Core	3	MTS202, MTS111
2	Mathematical Economics	ECO303	Core	3	MTS101/ MTS104
3	Microeconomic Theory	ECO312	Core	3	ECO201
4	Applied Econometrics I	ECO343	Core	3	MTS202
5	Non-specialization elective IV	-		3	-

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

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

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

Junior	Semester 6	Course code	Course type	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	Core	3	ECO202
2	Applied Econometrics II	ECO344	Core	4	ECO343
3	Major Issues in Pakistan Economy	ECO403	Core	3	ECO203
4	International Trade or International Economics	ECO466/ ECO305	Core	3	ECO103, ECO104
5	Non-specialization elective V	-		3	-
6	Personal Effectiveness **	SSC240	Core		

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

	Semester 8	Course code	Course type	Credit hours	Pre-requisite
1	Contemporary Issues in Global Economics	ECO404	Core	3	ECO104/ ECO105
2	Economics elective III	ECO-		3	-
3	Economics elective IV	ECO		3	-
4	Non-specialization elective VII	-		3	-
5	Non-specialization elective VIII	-		3	-



Note

- Students should complete their social internships after completing their 2nd semester at IBA and must fulfill this graduation requirement before the end of their 6th semester.
- Students should engage in their corporate internships after completing their 6th semester of the course work preferably during the summer break.

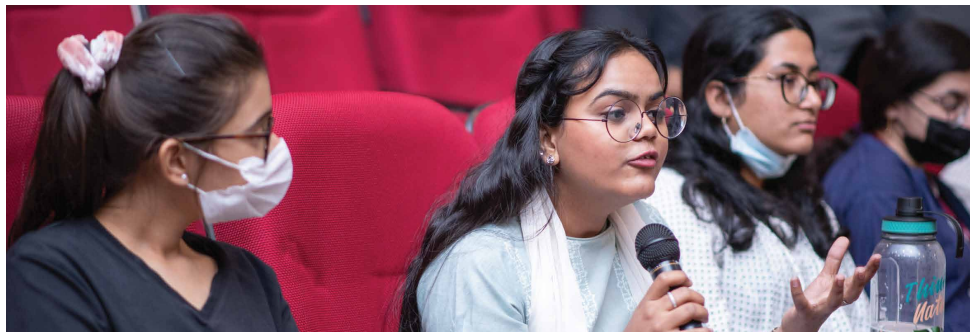
Economics electives (2 to be selected from the following list)

Course title	Course Code	Credit hours	Pre-requisite
Public Economics	ECO401	3	ECO201
Major Issues in Pakistan's Economy	ECO403	3	ECO203
Public Finance	ECO451	3	ECO104/ECO105
Monetary Economics	ECO452	3	ECO202
Time Series Econometrics	ECO457	3	ECO343
Climate Change Economics	ECO458	3	ECO103
International Finance	ECO459	3	ECO103, ECO104
Natural Recourse and Environmental Economics	ECO461	3	ECO201
Game Theory	ECO464	3	ECO201/ECO211
Health Economics	ECO471	3	ECO201
Labour Economics	ECO472	3	ECO201
Energy Economics	ECO463	3	-
Energy Systems & Policy	ECO474	3	-
Behavioral Economics	ECO470	3	-
Machine Learning for Economists	ECO405	3	-
Modern Quantitative Methods	ECO473	3	ECO344

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.

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



Bachelor of Science (BS) Economics and Mathematics

BS Economics and Mathematics is a 4-year degree program that contains fundamental components of two fields of study: Economics and Mathematics. The program prepares the students for entry-level positions in private and public sectors, development organizations, banks, insurance companies, investment companies, education sector and research organizations. A wide range of courses offered in this program give students several opportunities to broaden their knowledge and expand their horizon. The final year project Economics/ Mathematics 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.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Curriculum structure	
Duration	4 years
Semesters	8
Courses	40
Final year project Economics/ Mathematics	1
Total credit hours	128

Required courses

	Courses	Credit hours
University core	4	12
Economics core courses	11	35
Economics electives	2	6
Mathematics core courses	11	35
Mathematics electives	2	6
Non-specialization courses (core-6 and electives-4)	10	30
Final year project Economics/ Mathematics	1	4
Personal Effectiveness	1	Pass/Fail
Total	42	128

Semester-wise sequence of courses

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

	Semester 2	Course code	Course type	Credit hours	Pre-requisite
1	Principles of Macroeconomics	ECO104	Core	3	-
2	Speech Communication	HUM201	University-Core	3	-
3	Statistical Inference	MTS202	Non Specialization Core	3	MTS102
4	Calculus II	MTS113	Core	3	MTS101
5	Socioeconomic Philosophy of Islam (SEPI) / Philosophy, Logic and Ethics (PLE)*	SSC301/ HUM357	University-Core	3	-



Sophomore	Semester 3	Course code	Course type	Credit hours	Pre-requisite
1	Intermediate Microeconomics	ECO201	Core	3	ECO103
2	Essential Software	MTS111	Non Specialization-Core	3	-
3	Discrete Mathematics	MTS211	Core	3	-
4	Multivariable Calculus	MTS242	Core	4	MTS113
5	Introduction to Academic Writing	SSC236	Non Specialization-Core	3	-

	Semester 4	Course code	Course type	Credit hours	Pre-requisite
1	Foundations to Data Science	CSE306	Non Specialization-Core	3	-
2	Intermediate Macroeconomics	ECO202	Core	3	ECO104
3	Development Economics	ECO301	Core	3	ECO103/ ECO104/ EOC105
4	Linear Algebra	MTS203	Core	3	MTS101
5	Probability Theory	MTS231	Non Specialization-Core	3	MTS102

Junior	Semester 5	Course code	Course type	Credit hours	Pre-requisite
1	Microeconomic Theory	ECO312	Core	3	ECO201
2	Applied Econometrics I	ECO343	Core	4	MTS202
3	Introduction to Differential Equations	MTS241	Core	3	MTS101
4	Real Analysis I	MTS341	Core	4	MTS113
5	Non-specialization elective I	-		3	-

	Semester 6	Course code	Course type	Credit hours	Pre-requisite
1	Macroeconomic Theory	ECO313	Core	3	ECO202
2	Applied Econometrics II	ECO344	Core	4	MTS202
3	Stochastic Processes	MTS304	Core	3	MTS231
4	Optimization Techniques	MTS330	Core	3	MTS101/ MTS203
5	Non-specialization elective II	-		3	-
6	Personal Effectiveness **	SSC240	Core	-	

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



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

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

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

*** Students can take either final year economics project "ECO441" OR final year mathematics project "MTS471".

Note

- Students should complete their social internships after completing their 2nd semester at IBA and must fulfill this graduation requirement before the end of their 6th semester.
- Students should engage in their corporate internships after completing their 6th semester of the course work preferably during the summer break.

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

Course title	Course Code	Credit hours	Pre-requisite
Public Economics	ECO401	3	ECO201
Major Issues in Pakistan's Economy	ECO403	3	ECO203
Contemporary Issues in Global Economics	ECO404	3	EOC104/ECO105
Public Finance	ECO451	3	ECO104/ECO105
Monetary Economics	ECO452	3	ECO202
Time Series Econometrics	ECO457	3	ECO343
Climate Change Economics	ECO458	3	ECO103
International Finance	ECO459	3	ECO103, ECO104
Natural Recourse and Environmental Economics	ECO461	3	ECO201
Game Theory	ECO464	3	ECO201/ECO211
History of Economic Thought	ECO467	3	ECO104/EOC105
Health Economics	ECO471	3	ECO201
Labour Economics	ECO472	3	ECO201
Energy Economics	ECO463	3	-
Energy Systems & Policy	ECO474	3	-
Behavioral Economics	ECO470	3	-
Machine Learning for Economists	ECO405	3	-z
Modern Quantitative Methods	ECO473	3	ECO344

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

Course title	Course Code	Credit hours	Pre-requisite
Complex Analysis	MTS302	3	MTS341
Abstract Algebra I	MTS305	3	MTS203
Numerical Analysis	MTS306	3	MTS232
Functional Analysis I	MTS411	3	MTS341
Functional Analysis II	MTS412	3	MTS411
Abstract Algebra II	MTS413	3	MTS305
Numerical Solutions of PDE	MTS431	3	MTS414
Integral Equations	MTS432	3	MTS303
Advanced Numerical Analysis I	MTS433	3	MTS414
Advanced Numerical Analysis II	MTS434	3	MTS433
Differential Geometry	MTS435	3	MTS204, MTS203
Fluid Dynamics I	MTS437	3	-
Fluid Dynamics II	MTS438	3	-
Financial Mathematics with a computational approach	MTS441	3	-
Computational Finance	MTS442	3	-
Topology I	MTS451	3	MTS341
Scientific Computing for Linear PDE's	MTS414	3	MTS413
Modern Algebra I (Galois Theory and Application)	MTS443	3	MTS413
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

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.

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



Bachelor of Science (BS) Social Sciences and Liberal Arts

The Bachelor of Science (BS) in Social Sciences and Liberal Arts is a 4-year interdisciplinary undergraduate program with majors in Psychology, Political Science, Media and Culture, and History. Apart from the major disciplines, courses in the Social Sciences Liberal Arts program draw from and introduce students to a range of academic disciplines including but not limited to philosophy, anthropology, sociology, literary studies, visual studies, mathematics, religious studies, and environmental sciences. The combination of core and elective courses in the social Sciences and liberal Arts degree allows students to develop comprehensive skills in reading and writing, quantitative thinking, problem solving, critical inquiry, and research. The culminating experience in the final year of the program allows each student to carry out an original research project of their own. Students choose a foreign language to study over a period of two semesters and also complete two different summer internships, one focusing on research skills and the other on social service.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Curriculum structure	
Duration	4 years
Semesters	8
Courses	38
Culminating Experience	2
Total credit hours	125

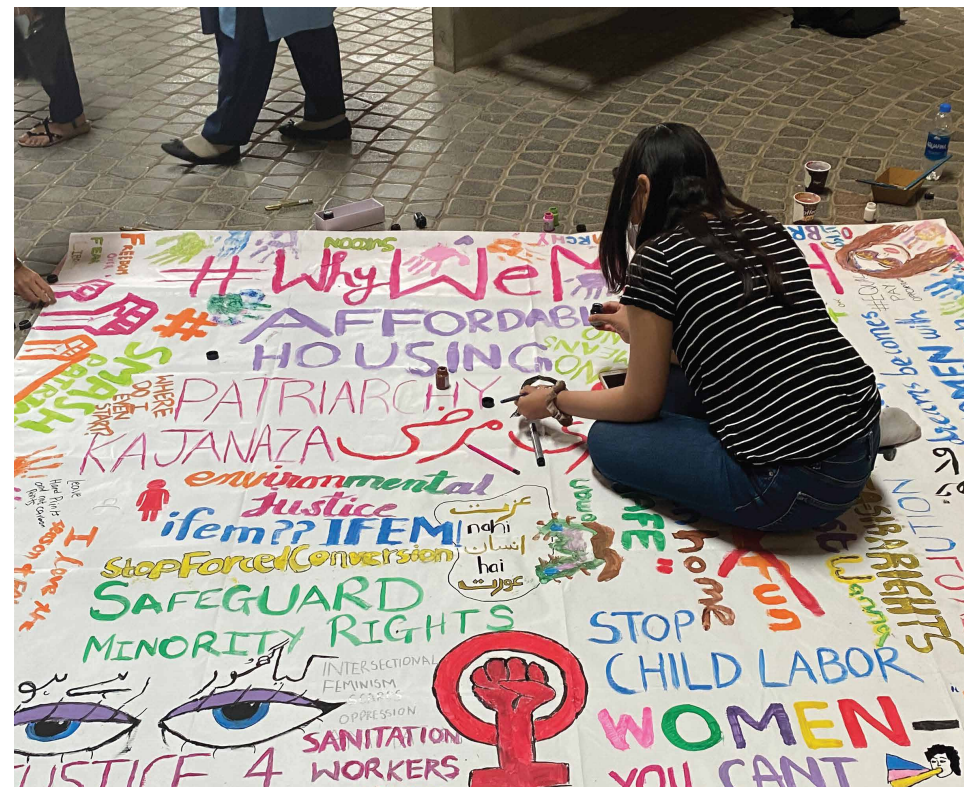
Required courses

Sections	Curriculum structure	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
G	Personal Effectiveness	1	Pass/Fail
Total		40	125

Non-specialization courses

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

**Non-specialization electives can be from the Humanities list or courses offered by other departments/for other programs. Note: All students must take both module (I and II) of the same language.



Supporting courses

Course title	Course Code	Credit hours	Pre-requisite
Core (5)			
Statistical Inference	MTS202	3	MTS102
South Asian History	SSC221	3	-
History of Ideas I	SSC239	3	-
History of Ideas II	SSC238	3	SSC239
Computational Research Methods	SSC302	4	MTS202
Natural Science electives (1 from the following list)***			
Are We Becoming Post-human? Technology, Society, Ethics	HUM377	3	-
An Introduction to the Philosophy of Mathematics	HUM382	3	-
Environmental Anthropology	HUM455	3	-
History of Science	NSC351	3	-
Introduction to Environmental Sciences	NSC354	3	-
Sustainable Cities and Communities	NSC358	3	-
An Introduction to the Philosophy of Physics	NSC359	3	-
Climate Change and Us	NSC360	3	-
Science and Medicine in Islamic Societies 700 – 1700	NSC361	3	-
Art and Science	NSC364	3	-
Social and Political History of Medicine	NSC 363	3	-
Visual Studies electives (1 from the following list)***			
Empire and Vision: Between Production and Representation of South Asian Cities	HUM350	3	SSC216
Art of the Islamic World	HUM366	3	-
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
Islamic Book Arts 1200-1800	HUM450	3	-
Screening the Body: Gender, Race and Nation in Visual Culture	HUM451	3	SSC216
Lights, Camera, History: Representations of Medieval South Asia in Bollywood	MCS350	3	SSC216
Race, Class, and Gender in Film and Television	MCS353	3	SSC216
Crime and Legality in Visual Cultures	MCS357	3	SSC216
Watching Films	MCS359	3	SSC216
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
The Western Travel Documentary in a Global Context	MCS370	3	SSC216
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216
Fundamentals of Design and Communication	MCS377	3	SSC216
Modern and Contemporary Women Visual Artists of Pakistan	HUM 391	3	-

Course title	Course Code	Credit hours	Pre-requisite
Humanities electives (2 from the following list)***			
From Empires to Nation-States: A History of the Pre-20th Century World	HST301	3	SSC232
The Ottoman, Safavid, and Mughal Empires	HST354	3	-
An Introduction to Urdu Poetry and Poetics	HUM340	3	-
Freaks, Geeks and Monsters: Exploring the Role of the Other in Fiction	HUM341	3	SSC106
Reading Poetry	HUM352	3	SSC106
Anglo-Indian Narrative and the Postcolonial Subject	HUM355	3	SSC106
Philosophy, Logic and Ethics	HUM357	3	-
Creative Writing	HUM360	3	-
Borders and Boundaries: South Asian and Middle Eastern Feminist Fiction	HUM367	3	SSC106
Intellectual and Cultural History of Muslim Spain	HUM368	3	SSC232
The Making of the Mughal Empire: An Intellectual and Cultural History	HUM369	3	SSC221
From Ghalib to Bollywood	HUM370	3	-
Pakistani Poetry in English	HUM 389	3	-
Djinn in World Literature	HUM 390	3	-
Philosophy of Social Sciences	HUM 392	3	-
1947/1971: Interrogating Partitions, Narrative Selves	HUM371	3	-
History of Anthropological Thought	HUM372	3	SSC233
Introduction to Literary Modernism	HUM374	3	SSC106
A History of the Cold War	HUM376	3	-
Are We Becoming Post-Human? Technology, Society, Ethics	HUM377	3	-
A History of the Fable in its Greek, Arabic and Indic Traditions	HUM378	3	-
Don Quixote and its Andalusian Milieu	HUM379	3	-
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM381	3	SSC232, SSC221
An Introduction to the Philosophy of Mathematics	HUM382	3	-
Narrative and Identity in Pakistani Literature	HUM383	3	SSC106
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM384	3	SSC232, SSC221
A Textual Introduction to Rumi	HUM385	3	-
Unearthly Things and Sad Destinies: An Introduction to Literary Theory	HUM386	3	-
Sufism: A Social, Political and Economic History	HUM387	3	-
An Introduction to the Islamic Scholarly Tradition	HUM388	3	-
Ethnographic Theory and Practice	HUM452	3	SSC231/SSC233



Course title	Course Code	Credit hours	Pre-requisite
Spirituality in Islam: Classical Texts and Themes	HUM453	3	-
Prophets in the Abrahamic Traditions	HUM454	3	-
Environmental Anthropology	HUM455	3	-
Evolution of Music in South Asia	HUM456	3	-
Ethnomusicology: Music and Culture	HUM457	3	SSC233
Female Friendship in World Literature	HUM458	3	-
Introduction to Feminist Theory	HUM459	3	SSC231
Food, Self and Society	HUM460	3	SSC231/SSC233
An Introduction to the Philosophy of Mind	HUM485	3	-
Gutenberg to Google: A Social History of Media	MCS302	3	SSC216
The City	HST358	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
Studying the City in the Global South: Planning, Politics and Development	POL360	3	SSC217
Pakistan's Foreign Policy	POL362	3	SSC217
Political Philosophy	POL364	3	SSC217
Culture and Power in Human Societies	POL366	3	SSC217, SSC233
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
History, Theory and Practice of Diplomacy	POL373	3	SSC217
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Women's Issues and Activism in Pakistan	POL379	3	-
Transnational Islamic Politics in the Post-9/11 World	POL451	3	-
History of Economic Thought	SSC107	3	-
Major Themes in World History	SSC121	3	-
Advanced English Composition	SSC213	3	SSC106
Introduction to Linguistics	SSC235	3	-
Monsters, witches and mad women in world literature	HUM	3	-
Method and theory in the study of religion	HUM394	3	-
The Central Thesis	HUM395	3	-
Feminist Legal Theory and Practice	HUM396	3	-
Urdu Literature for Bilingual Students	HUM397	3	-

Major core + electives

Course title	Course Code	Credit hours	Pre-requisite
Psychology			
Psychology core courses			
Research Methods in Psychology	MTS20	4	SSC218
Human Development	SSC221	3	SSC218
History and Systems of Psychology	SSC238	3	SSC218
Introduction to Social Psychology	SSC239	3	SSC218
Psychology electives (6 from the following list)***			
Human Resource Management /Management and Human Resource	HRM401/HRM464	3	-
Organizational Behaviour /Management and Organizational Behaviour	MGT221/MGT231	3	-
Memory and Attention	PSY275	3	SSC218, PSY301
Consumer Psychology	PSY350	3	-
Industrial and Organizational Psychology	PSY352	3	SSC218, PSY301
Media Psychology	PSY353	3	SSC216/218, MCS/PSY301
Cognitive Psychology	PSY359	3	SSC218, PSY301
Abnormal Psychology	PSY362	3	SSC218, PSY301
Gender Psychology	PSY364	3	SSC218, PSY301
Counseling Psychology	PSY365	3	SSC218, PSY301
Cyber Psychology	PSY366	3	SSC218, PSY301
Personality Psychology	PSY367	3	SSC218, PSY301
Educational Psychology	PSY368	3	SSC218, PSY301
Positive Psychology	PSY369	3	SSC218, PSY301
Clinical Psychology	PSY370	3	SSC218, PSY301
Physiological Psychology	PSY371	3	SSC218, PSY301
Cross-Cultural Psychology	PSY372	3	SSC218, PSY301
Environmental Psychology	PSY373	3	SSC218, PSY301
Climate Change: Psychology of Denial, Impacts, and Adaptation	PSY374	3	SSC218, PSY301
Forensic and Criminal Psychology	PSY376	3	SSC218, PSY301
Political Science			
Political Science core courses			
Research Methods in Political Science	POL301	3	SSC217
History of Political Thought	POL302	3	SSC217
Comparative Politics	POL303	3	SSC217
Political Systems and Political Regimes	POL402	3	SSC217
Political Science core courses			
Public Policy Analysis: Theory and Practice	ECO560	3	-
A History of the Cold War	HUM376	3	-





Course title	Course Code	Credit hours	Pre-requisite
Advanced Readings in Pakistan's History	HUM380	3	SSC151, SSC221
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Political Communication	MCS372	3	SSC216/217, POL/MCS301
Political Violence, Civil War, and Terrorism	POL350	3	SSC217, POL301
Political Psychology	POL351	3	SSC217/218, POL/PSY301
Foreign Policy in China	POL352	3	SSC217, POL301
An Introduction to Legal Theory	POL353	3	-
War: Conceptual Underpinnings	POL354	3	SSC217, POL301
Human Rights and Law	POL355	3	SSC217, POL301
The Modern Middle East	POL359	3	SSC217, POL301
Studying the City in the Global South: Planning, Politics and Development	POL360	3	SSC217
Pakistan's Foreign Policy	POL362	3	SSC217
Political Philosophy	POL364	3	SSC217
Introduction to Foreign Policy Analysis	POL365	3	SSC217
Culture and Power in Human Societies	POL366	3	SSC217, POL301
Global Urbanisms	POL367	3	SSC217, POL301
Politics in Colonial and Post-Colonial Punjab	POL370	3	SSC217, POL301
Modern Political Ideologies: Liberalism, Socialism, Anarchism	POL371	3	SSC217
Negotiation and Conflict Resolution	POL372	3	SSC217, POL301
History, Theory and Practice of Diplomacy	POL373	3	SSC217
Community Planning and Development	POL374	3	SSC217, POL301
Feminist Legal Theory and Practice	HUM396	3	-
History of Decolonization	POL375	3	SSC217, POL301
Perspectives in Pakistan's Political Economy	POL376	3	SSC217
Politics of Resistance in the Middle East	POL377	3	SSC217, POL301
China's Contemporary Security Environment	POL378	3	SSC217, POL301
Women's Issues and Activism in Pakistan	POL379	3	-
Winners, Losers, and Bystanders: Political Economy Perspectives on Global Changes	POL450	3	SSC217, POL301
Transnational Islamic Politics in the Post-9/11 World	POL451	3	-
Media and Culture			
Media and Culture core courses			
Critical Theories and Methods	MCS340	4	SSC216
Media Aesthetics and History: Film, TV and Digital Media	MCS310	3	SSC216
Critical Media Practice I: Digital Image, Sound, and Story	MCS311	3	SSC216
Critical Media Practice II: Multimodal Publication and Design	MCS312	3	SSC216
Media and Culture electives (6 from the following list)***			
Media, Law, and Ethics	MCS352	3	SSC216
Race, Class, and Gender in Film and Television	MCS353	3	SSC216

Course title	Course Code	Credit hours	Pre-requisite
The International Newsroom	MCS354	3	SSC216
Analyzing the News	MCS355	3	SSC216
Crime and Legality in Visual Cultures	MCS357	3	SSC216
Journalism Essentials for Business: Visibility in the Age of New Media	MCS358	3	-
Watching Films	MCS359	3	SSC216
History of Film	MCS360	3	SSC216
Foundations of Screenwriting	MCS364	3	-
Digital Activism and Democracy	MCS366	3	SSC216/217, POL/MCS301
Media Anthropology	MCS368	3	SSC216, MCS301
The Western Travel Documentary in a Global Context	MCS370	3	SSC216
Journalism and Public Discourse	MCS371	3	SSC216
Political Communication	MCS372	3	SSC216/217, POL/MCS301
Ethnicities, Diaspora and the Media	MCS373	3	SSC216
Taking it Like a Man: American Masculinities in Visual Culture	MCS374	3	SSC216
Literary and Visual Cultures in a New Media Age	MCS375	3	SSC216
Parallel Cinema, Gender and Realism	MCS376	3	SSC216
Fundamentals of Design and Communication	MCS377	3	SSC216
Karachi in the Media	MCS378	3	SSC216
Fan Studies: Theory and Practice	MCS379	3	SSC216
Feminism Technology and Media	MCS 380	3	-
Social Media Marketing	MKT569	3	-
Media Psychology	PSY353	3	SSC216/218, MCS/PSY301
Cultural Globalization and Media	MCS450	3	
Print, Identity and the Public Sphere: Urdu in early colonial north India	HST357	3	
Monsters, witches and mad women in world literature	HUM	3	
Communication for Social Change	MCS341	3	
History			
History core courses			
From Empires to Nation-States: A History of the Pre-20th Century World	HST301	3	SSC232
Topics in Historiography	HST302	3	SSC232
Twentieth Century Global History	HST303	3	SSC232
Research Methods in History: Primary Source Genres	HST304	4	SSC232
History electives (6 from the following list)***			
A History of the Indian Ocean World	HST352	3	SSC232
Historiography of Early Islam	HST353	3	SSC232
Ecological History	HST354	3	SSC232
The Ottoman, Safavid, and Mughal Empires	HUM368	3	-
Intellectual and Cultural History of Muslim Spain	HUM369	3	SSC232
The Making of the Mughal Empire: An Intellectual and Cultural History	HUM371	3	SSC221





Course title	Course Code	Credit hours	Pre-requisite
1947/1971: Interrogating Partitions, Narrative Selves	HUM376/ HST356	3	-
A History of the Cold War	HUM378	3	-
A History of the Fable in its Greek, Arabic and Indic Traditions	HUM379	3	-
Don Quixote and its Andalusian Milieu	HUM380	3	-
Advanced Readings in Pakistan's History	HUM381	3	SSC151, SS221
Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM384	3	SSC232, SSC221
The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM387	3	SSC232, SSC221
Sufism: A Social, Political and Economic History	HST357	3	-
Print, Identity and the Public Sphere: Urdu in early colonial north India	HST351	3	-
Lights, Camera, History: Representations of Medieval South Asia in Bollywood	MCS350	3	SSC216
History of Science	NSC351	3	-
Science and Medicine in Islamic Societies 700 – 1700	NSC361	3	SSC217
History of Political Thought	POL302	3	SSC217, POL301
Politics in Colonial and Post-Colonial Punjab	POL370	3	SSC217, POL301
History of Decolonization	POL375	3	-
Major Themes in World History	SSC121	3	SSC232
Labour, Capital and Colonialism: The making of modern South Asia	HST 355	3	SSC216

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



Semester-wise sequence of courses

Freshman	Semester 1	Course code	Credit hours	Pre-requisite	Course type
1	Calculus 1	MTS104	3	-	Non specialization Core
2	English Grammar and Composition	SSC101	3	-	University Core
3	Fundamentals of Sociology	SSC231	3	-	Social Science Core
4	Introduction to Historical Methods	SSC232	3	-	Social Science Core
5	History of Ideas-I	SSC239	3	-	Supporting Course

	Semester 2	Course code	Credit hours	Pre-requisite	Course type
1	Introduction to Statistics	MTS104	-	-	Non specialization Core
2	Intermediate English Grammar and Composition	SSC101	SSC101	-	Non specialization Core
3	Introduction to Psychology	SSC231	-	-	Social Science Core
4	South Asian History	SSC232	-	-	Supporting Course
5	History of Ideas-II	SSC239	SSC239	-	Supporting Course

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



	Semester 4	Course code	Credit hours	Pre-requisite	Course type
1	Foreign Language II	S202/206/210/331	4	SSC201/205/209/330	Non specialization Core
2	Culture, Media, Society	SSC216	3	-	Social Science Core
3	Introduction to Political Science	SSC217	3	-	Social Science Core
4	Introduction to Urban Studies	SSC234	3	-	Social Science Core
5	Socioeconomic Philosophy of Islam (SEPI) / Philosophy, Logic and Ethics (PLE)**	SSC301/HUM	3	-	University Core
Summer	6-week responsible citizen initiative - no credit	S202/206/210/331	-	-	-

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



	Semester 6	Course code	Credit hours	Pre-requisite	Course type
1	Major core-III	-	3	-	Major Core
2	Major core-IV Research Methods	HST/PSY/POL301 & MCS340	4	-	Major Core
3	Major elective-I	-	3	-	Major Elective
4	Non-specialization elective-I	-	3	-	Non specialization
5	Visual Studies elective	-	3	-	Visual Studies Elective

Summer 8-week summer research internship - no credit - 3 -

Senior	Semester 7	Course code	Credit hours	Pre-requisite	Course type
1	Major elective-II	-	3	-	Major Elective
2	Major elective-III	-	3	-	Major Elective
3	Major elective-IV	-	3	-	Major Elective
4	Non-specialization elective-II	-	3	-	Non specialization elective
5	Culminating Experience-I	SSC491	4	HST/PSY/POL301 & MCS340	

	Semester 8	Course code	Credit hours	Pre-requisite	Course type
1	Major elective-V	-	3	-	Major Elective
2	Major elective-VI	-	3	-	Major Elective
3	Humanities elective-II	-	3	-	Humanities Elective
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 Science (MS) Development Studies

MS Development Studies (Dev. Studies) is a multi and interdisciplinary program that explores critical topics of development theory and practices, introducing development as a process of evolution of societies. Development Studies is also a policy debate that considers the specificity of societies in terms of history, ecology, culture, technology, politics etc. and how these differences both can and often should translate into varied 'local' responses to regional or global processes, and varied strategies of development and methods.

MS Dev. Studies provides high-quality and rigorous training needed to understand the methods, policy, and practices of development. The program offers a solid multi-disciplinary social science formation in theory, quantitative methods and applications employed in various fields of development. The Department of Economics and Department of Social Sciences & Liberal Arts jointly offer the program.

This program emphasizes on understanding the historical perspectives and recent advances in development and caters to the growing market for analysts and policymakers. Graduates from this program will be prepared for careers in research institutions, government entities, development agencies, international organizations, and policy-related think tanks

Distribution of Credit Hours

	Courses	Credit hours
Foundation courses ¹	2	0
Core courses	4	12
Elective courses	4	12
MS Thesis ²	1	6
Total	11	30

Interview panel will decide which foundation courses are exempted/recommended.
MS Thesis may be replaced with project along with an additional course of three credit hours.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

The program is designed as a 2-year full time program and students will be admitted as full-time only during the coursework.

Course Requirements

MS courses: 24 credit hours (8 courses) for students who are exempted from foundation courses and up to 30 credit hours (10 courses) for students who take foundation courses. The interview panel at the time of admission will decide which students are exempted from taking foundation courses.

MS thesis: 6 credit hours. Students who do not wish to opt for writing thesis can replace it with a MS Project (3 units) and an additional course of 3 credit hours.

Course Category

Foundation courses	Course Code	Credit hours	Pre-requisite
Analytical Tools in Development	DEV531	3	-
Theories and Concepts in Economics	DEV532	3	-
Core courses	Course Code	Credit hours	Pre-requisite
Theories and Critical Approaches in Development	DEV533	3	-
Anthropology & Development	DEV534	3	-
Policy Analysis: Theory & Practice	DEV535	3	-
Research Methods in Development	DEV536	3	-
Core Elective	Course Code	Credit hours	Pre-requisite
Elective I	ECO631	3	ECO531
Elective II	-	3	-
Elective III	-	3	-
Elective IV	-	3	-
Thesis	Course Code	Credit hours	Pre-requisite
MS thesis*	DEV591	6	-

*The grade on MS thesis and MS research project would be pass/fail and will not be counted in the CGPA.

Semester-wise offerings of the courses

Students exempted from four foundation courses			
S. No.	Semester 1 – Fall	Course code	Course type
1	Theories and Critical Approaches in Development	DEV533	Core
2	Anthropology & Development	DEV534	Core
3	Elective I	DEV 566	Elective
4	Elective II	DEV 551	Elective
S. No.	Semester 2 – Spring	Course code	Course type
1	Policy Analysis: Theory & Practice	DEV535	Core
2	Research Methods in Development	DEV536	Core
3	Elective III		Elective
4	Elective IV		Elective
S. No.	Semester 3 – Fall	Course code	Course type
1	MS Thesis		Thesis
Other Students (Not exempted from Foundation Courses)			
S. No.	Semester 1 – Fall	Course Code	Course type
1	Analytical Tools in Development	DEV531	Foundation
2	Theories and Concepts in Economics	DEV532	Foundation
3	Theories and Critical Approaches in Development	DEV533	Core
4	Anthropology & Development	DEV534	Core
S. No.	Semester 2 – Spring	Course code	Course type
1	Policy Analysis: Theory & Practice	ECO537	Core
2	Research Methods in Development	ECO631	Core
3	Elective I		Elective
4	Elective II	-	Elective
S. No.	Semester 3 – Fall / Semester 4 – Spring	Course code	Course type
1	MS Thesis along with Elective III and Elective IV		Thesis and Electives

*End of Year 1 – Summer: - Students will choose an area of interest, broad research topic & a potential supervisor for their research and must have it approved from the relevant department before the start of the next Fall semester.

- Applied field study module (zero credit hours but compulsory).

**End of Year 2 – Summer: Thesis must be completed by end of summer for eligibility towards graduation.



Elective courses

Course category	Course title	Course code	Credit hours
Physical resources	Conflict Studies	DEV551	3
	Agrarian Development, Food Policy & Rural Poverty	DEV552	3
	Environment, Climate Change and Sustainability	DEV553	3
	Cities & Urban Development	DEV554	3
	Data Science and Development	DEV555	3
	Entrepreneurship in Development	DEV556	3
Human resources	Gender Studies	DEV561	3
	Migration and Mobility	DEV562	3
	Poverty and Inequality	DEV563	3
	Population Studies	DEV564	3
	Health & Development	DEV565	3
	Labor and Social Movements	DEV566	3
	Political Ecology	DEV567	3
Leadership in Development	DEV568	3	
Society & Economy	Public Financial Management	DEV571	3
	Aid & Development	DEV572	3
	Technology, Culture and Development	DEV573	3
	Communication and Social Change	DEV574	3
	Decolonizing methods	DEV575	3
	Nature of Inquiry and Survey Design	DEV576	3

Master of Science (MS) Economics

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

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

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

The minimum duration of the program is 2 years.

Class Timings

MS Economics is offered for full-time students as well as for part-time students. Classes in MS 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 MS students. These positions are offered only to those students who maintain a cumulative GPA of 3.00 in each semester in the MS program. Teaching/research assistants must not work elsewhere.

Required courses

Course category	Courses	Credit hours	
Foundation courses*	4	12	
Core courses	6	18	
Elective courses	2	6	
Thesis	1	6	
Total	13	42	
Foundation courses	Course Code	Credit hours	Pre-requisite
Microeconomic Theory I	ECO531	3	-
Macroeconomic Theory I	ECO532	3	-
Mathematics for Economists	ECO533	3	-
Mathematical Statistics and Linear Algebra	MTS536	3	-
Core and elective courses	Course Code	Credit hours	Pre-requisite
Development Economics	ECO534	3	ECO531
Econometrics I	ECO537	3	MTS536
Econometrics II	ECO538	3	ECO537
Research Methodology	ECO591	3	ECO537
Microeconomic Theory II	ECO631	3	ECO531
Macroeconomic Theory II	ECO632	3	ECO532
Elective I	-	3	-
Elective II	-	3	-
Thesis	Course Code	Credit hours	Pre-requisite
MS thesis**	ECO534	6	-

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

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

Semester-wise sequence of courses

Students exempted from four foundation courses		
S. No.	Semester 1 - Fall	Course code
1	Development Economics	ECO534
2	Research Methodology	ECO591
3	Macroeconomic Theory II	ECO632
4	Elective I	
S. No.	Semester 2 - Spring	Course code
1	Econometrics I	ECO537
2	Microeconomic Theory II	ECO631
3	Elective II	
S. No.	Semester 3 - Fall	Course code
1	Econometrics II	ECO538
2	MS Thesis	ECO697

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

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

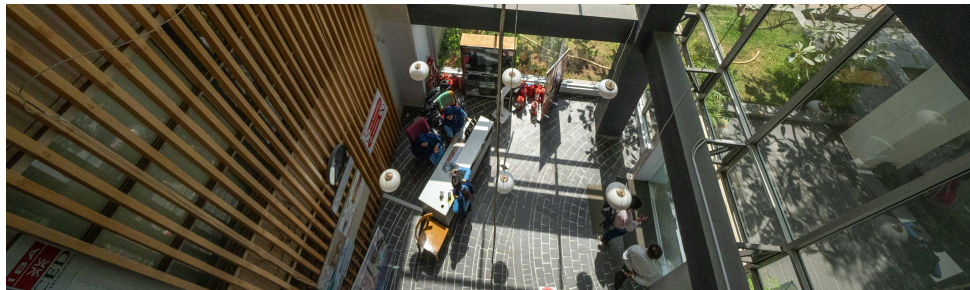
*BS Economics and BS Economics and Mathematics graduates from IBA are exempted from the 4 foundation courses. Thus, they will be required to complete 30 credit hours (8 courses of 24 credit hours and a thesis of 6 credit hours). For other candidates, the interview panel will decide which foundation courses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

Courses Offered in Spring semester	Course code
Econometrics I	ECO537
Microeconomic Theory II	ECO631
Two elective courses	-

Elective courses

Courses	Course code	Credit hours	Pre-requisite
Combinatorial Optimization	CSE654	3	ECO531
International Trade	ECO539	3	ECO532
Issues in Pakistan Economy	ECO544	3	ECO531
Climate Change Economics	ECO551	3	ECO531
Behavioural Economics	ECO554	3	MTS536
Economic Forecasting	ECO555	3	ECO531/ECO501
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/ECO501
Environmental and Resource Economics	ECO561	3	ECO531
Financial Economics	ECO562	3	ECO531
Health Economics	ECO563	3	ECO532
History of Economic Thought	ECO564	3	ECO532
Monetary Economics	ECO566	3	ECO531
Public Economics	ECO567	3	ECO531
Time Series Modelling	ECO570	3	ECO531
Industrial Economics	ECO571	3	ECO531
Game theory and Competitive Strategy	ECO573	3	ECO531/ECO501
Water Economics and Policy	ECO574	3	ECO531/ECO501
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/ECO501
Social Impact Evaluation	ECO577	3	ECO501/ECO531
Behavioural and Experimental Economics	ECO578	3	ECO531
Labour Economics	ECO654	3	MTS536
Machine Learning Methods	ECO580	3	MTS536
Institutional Economics	ECO559		

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



PhD Economics

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

Eligibility and admission criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

Minimum duration of the program is 4 years and the maximum time allowed is 8 years.

Teaching/Research assistant Positions

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

Required courses

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

List of core and elective courses

Fall semester

Course title	Course Code	Credit hours	Pre-requisite
Topics in Microeconomic Theory	ECO644	4	-
Topics in Macroeconomic Theory	ECO645	4	-
Econometric Analysis	ECO646	4	-

Spring semester

Course title	Course Code	Credit hours	Pre-requisite
Topics in Research Methods	ECO650	4	-
Elective I	-	4	-
Elective II	-	4	-

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



Elective courses

Course title	Course code	Credit hours	Pre-requisite
Macroeconomics Modelling and Public Policy Analysis	ECO655	4	
Topic in Environmental Economics	ECO649	4	
Topics in International Trade	ECO653	4	
Advanced Financial Economics	ECO643	4	
Topics in Monetary Economics	ECO 656	4	

Comprehensive examinations

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

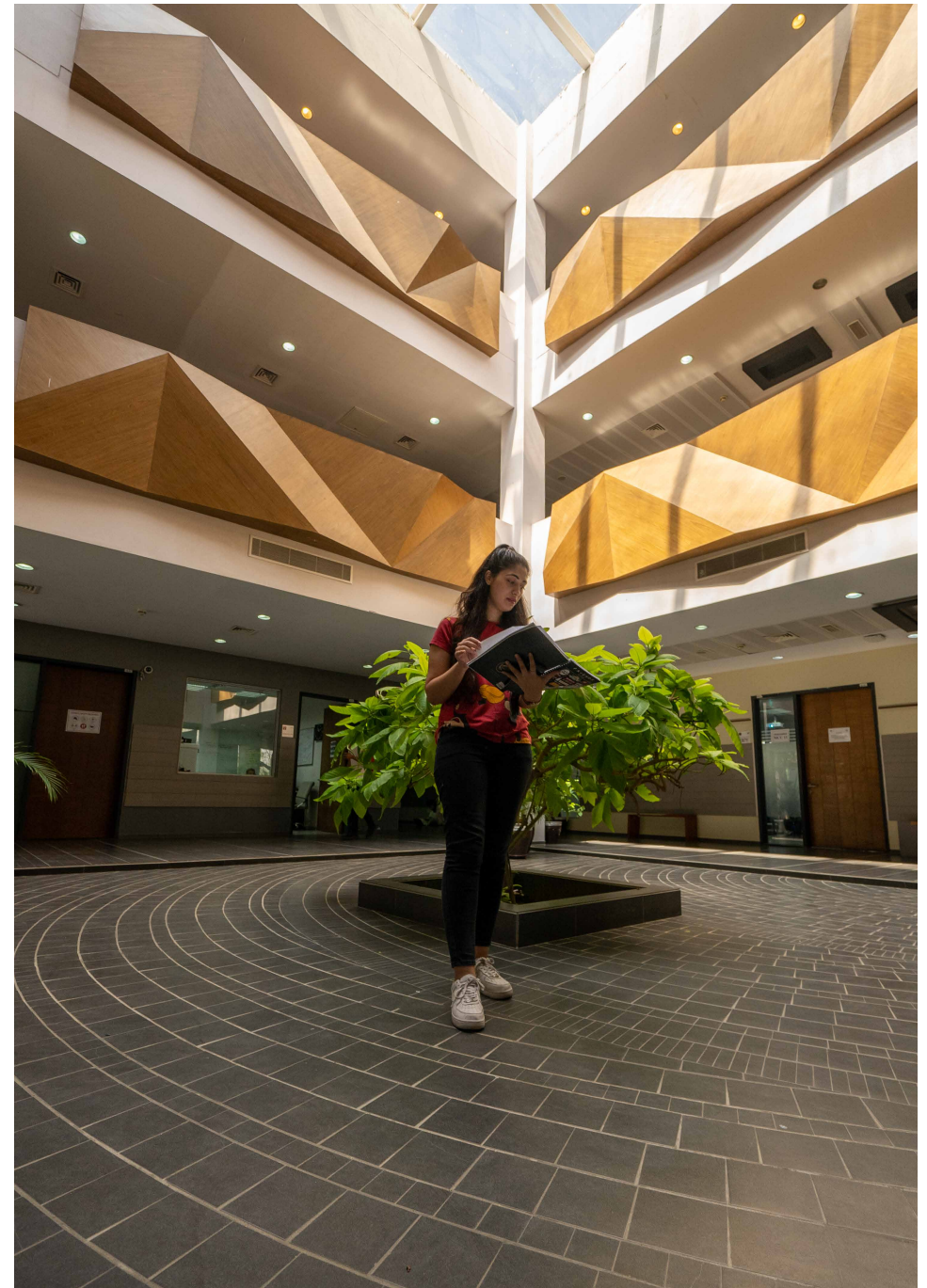
Oral defense of dissertation proposal

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

Dissertation defense

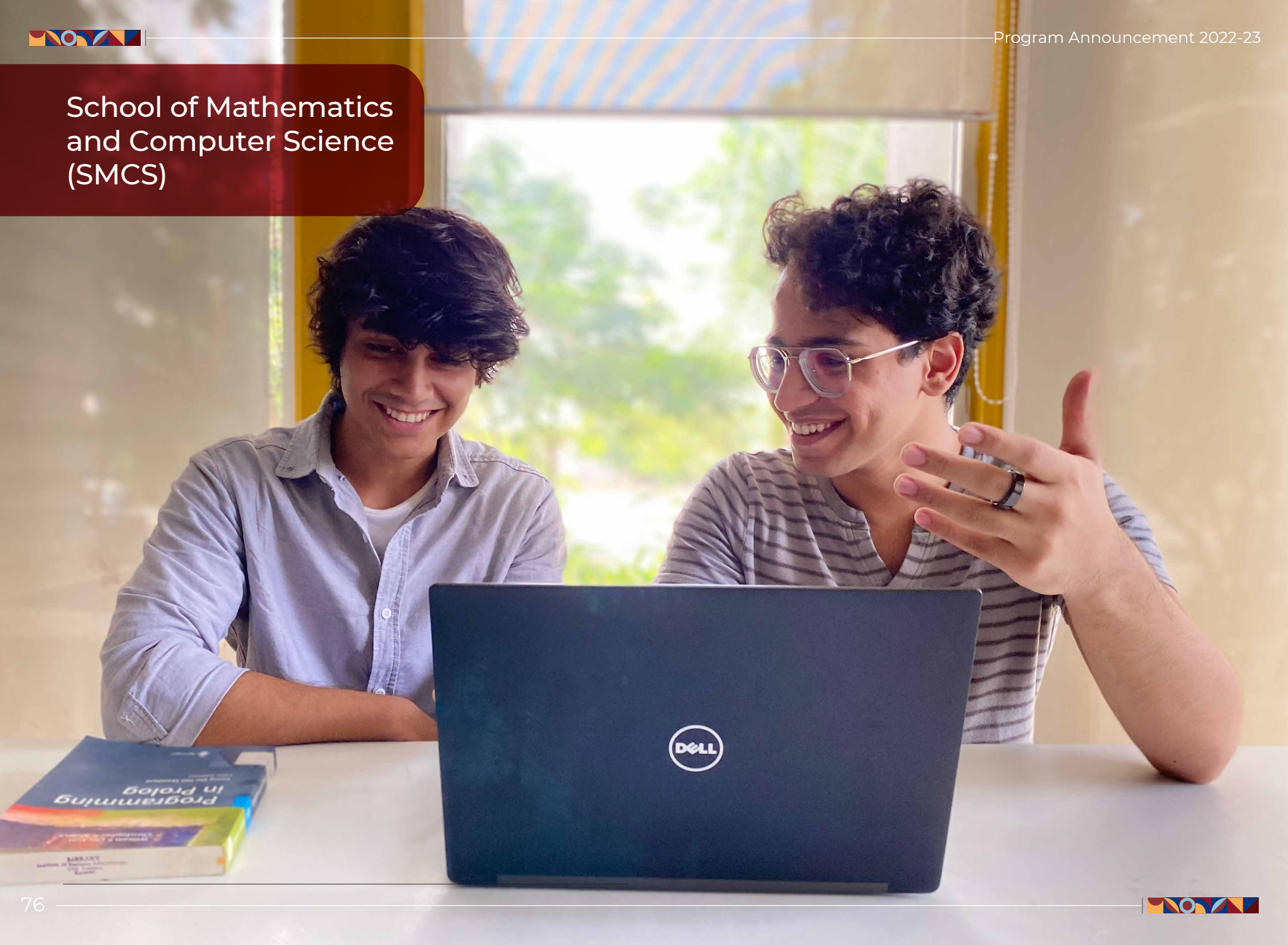
Students are expected to submit and defend their dissertation in two years after successful completion of their course work.

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





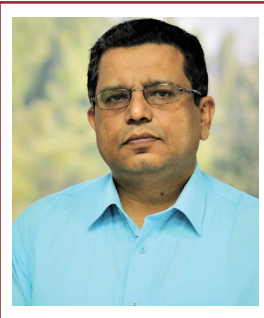
School of Mathematics and Computer Science (SMCS)



SCHOOL OF MATHEMATICS AND COMPUTER SCIENCE (SMCS)

The School of Mathematics and Computer Science at IBA Karachi is one of the fastest-growing science schools in Pakistan. It models itself among the country's best research and teaching in sciences and allied fields. It has a highly qualified faculty comprising experienced practitioners and researchers that enrich teaching, provide business consultancies, support start-ups, and prepare students for the industry. The school has a state-of-the-art facility focusing on undergraduate and graduate education balanced with research and emphasizing leadership, service, and ethics. The research labs for Artificial Intelligence, Web Science, Big Data and Telecommunications allow computer science students to delve deep into the technological realm. In contrast, the mathematics programs offer a thorough background in theory, quantitative matter and applications commensurate with international standards.

Dean's Message



I am greatly honored to share the Dean's message with my faculty members who have contributed with their hard work, vision, and leadership, to make this school one of the best science schools in the country.

The history of science programs in IBA dates to 1983 when it started offering a diploma program in Computer Science to overcome the shortage of information and system analysts in the country. Since then, the venture has matured and now offers BS, MS, and PhD programs in Mathematics and Computer Science. We have established research labs for Artificial Intelligence, Web Science, Big Data, and Telecommunication, supporting the MS and PhD programs in the diverse domains of Computer Science. Likewise, the MS and PhD programs in Mathematics aim to provide a thorough background in theory, quantitative methods, and applications commensurate with international standards, offering the opportunity of highly specialized training in selected areas of pure and applied mathematics.

As IBA moves into the new system of schools, the newly established SMCS must continue to incubate and stay poised toward cutting-edge research and development in science and technology. In the coming years, we plan to enhance our academic programs by investing in our star

faculty, establishing strong research and industrial ties across the globe, and bringing new specializations in Mathematics, Computer Science and allied fields. Our mission is to impart quality education to students selected purely on merit, irrespective of ethnicity, gender, religion or financial means.

The foremost aim of SMCS will be to establish academic linkages with leading science schools of the world so that we can enhance our teaching and research. This would assist towards innovations through joint research projects, focused on bringing new knowledge to the classrooms, thereby enriching academic transactions at IBA. The second aim is to offer more streams of specializations. We have introduced an MS program in Data Science and also plan to offer more programs in Mathematics and Computer Science. This will help diversify our portfolio to attract brilliant students, as well as high-caliber researchers and faculty. We envisage more productive and society-driven research in the new school. A new BS program in Mathematics is also a step in this direction.

With the IBA's mission to undertake consultancy and applied research to enrich teaching and influence thinking on important issues of business and public policy, we believe that SMCS will play a pivotal role in contributing to the global challenges that science and technology can solve.

Dr. Shakeel Khoja

Overview of departments

Department of Computer Science

The history of the Computer Science program at the IBA dates to early 1980s when the Faculty of Computer Science was established in collaboration with IBM. Initially, we started by offering a diploma program in Computer Science to overcome the shortage of Information and Systems Analysts in the country. We have come a long way since then as the Department presently prepares the students in areas of artificial intelligence, software engineering, systems analysis, computer systems, databases, and data communications.

Visit website: <https://cs.iba.edu.pk/>.

Department of Mathematical Sciences

The students are provided with a thorough education in theory, quantitative methods and applications, along with the opportunity of more specialized training in selected areas of pure and applied Mathematics.

Visit website: <https://mathematics.iba.edu.pk/>.



Bachelor of Science (BS) Computer Science

Bachelor of Science (BS) Computer Science 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 131 units, which are divided into university core, CS core, CS elective, non-specialization core, and non-specialization elective with 12, 62, 21, 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, 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.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Curriculum structure

Duration	4 years
Semesters	8
Courses	41
Total credit hours	131

Curriculum structure

Section	Course category	Courses	Credit hours
A	University core	4	12
B	Computer Science core	18	62
C	Computer Science electives	7	21
D	Program core	8	24
E	General electives	4	12
F	Personal Effectiveness	1	Pass/Fail
Total		42	131



Computer Science electives (7 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
Data warehousing	CSE343	3	CSE341
Compiler Design	CSE344	4	CSE309, CSE345
Cloud Computing	CSE351	3	CSE248, CSE331, CSE34
Computer Graphics	CSE352	3	-
Game Design and Development	CSE353	3	-
System Modeling and Simulation	CSE403	3	CSE345
Application Development for Mobile Devices	CSE450	3	-
Introduction to Computer Vision	CSE454	3	CSE248
Network Security	CSE455	3	CSE341, MIS343
Business Intelligence	CSE459	3	CSE307
Introduction to Image Processing	CSE462	3	CSE247
Introduction to Bioinformatics	CSE463	3	CSE247, MTS102
Introduction to Data Mining	CSE464	3	CSE341
Data Warehousing	MIS343	4	CSE341
Social Computing	MIS406	3	-
E-Commerce	MIS456	3	-
IS Security	MIS457	3	CSE341

Note: Senior students with at least 3.0 CGPA may also opt for 500-level graduate courses as CS-electives.

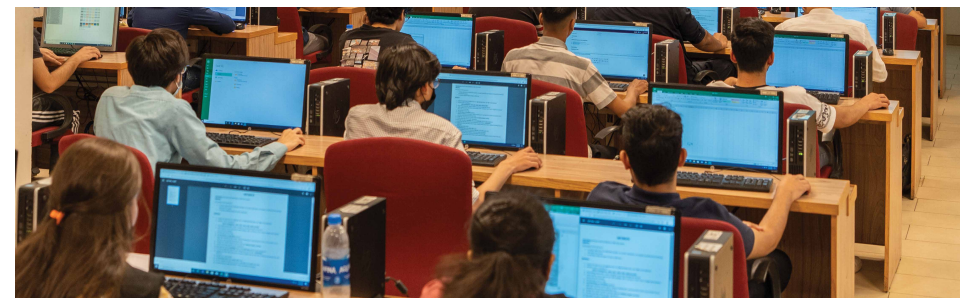
General electives

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

Semester-wise sequence of courses

Freshman	Semester - 1	Course code	Credit hours	Pre-requisite	Course type
1	Introduction to Programming	CSE141	3	-	CS Core
2	Introduction to Computing	CSE101	3	-	CS Core
3	Calculus I	MTS101	3	-	Program Core
4	English Grammar and Composition	SSC101	3	-	University Core
5	Pakistan History or Socioeconomic Philosophy of Islam	SSC151/ SSC301	3	-	University Core

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



Sophomore	Semester - 3	Course code	Credit hours	Pre-requisite	Course type
1	Digital Logic Design	CSE241	4	CSE101, MTS211	CS Core
2	Data Structures	CSE247	4	CSE142, MTS211	CS Core
3	Linear Algebra	MTS203	3	MTS101	Program Core
4	Numerical Analysis	MTS306	3	MTS232	Program Core
5	General elective-I	-	3	-	General Elective

	Semester - 4	Course code	Credit hours	Pre-requisite	Course type
1	Introduction to Artificial Intelligence	CSE307	3	CSE247	CS Core
2	Computer Communication and Networking	CSE248	4	CSE101, CSE142	CS Core
3	Theory of Automata	CSE309	3	CSE141, CSE211	CS Core
4	Computer Architecture and Assembly Language	CSE345	4	CSE241, CSE247	CS Core
5	Socioeconomic Philosophy of Islam or Pakistan History	SSC301/ SSC151	3	-	University Core

Junior	Semester - 5	Course code	Credit hours	Pre-requisite	Course type
1	CS elective-I	CSE312	3	-	CS Elective
2	Software Engineering	CSE331	3	CSE247	CS Core
3	Operating Systems	CSE341	3	CSE345	CS Core
4	Database Systems	MGT211	4	CSE247	CS Core
5	Business Communication	CSE312	3	HUM201	Program



Senior	Semester - 6	Course code	Credit hours	Pre-requisite	Course type
1	Design and Analysis of Algorithm	CSE317	3	CSE247	CS Core
2	Systems Programming	CSE441	4	CSE331	CS Core
3	CS elective-II	CSE-	3	-	CS Elective
4	CS elective -III	-	3	-	CS Elective
5	General elective-II	SSC240	3	-	General Elective

Senior	Semester - 7	Course code	Credit hours	Pre-requisite	Course type
1	Human Computer Interaction	CSE407	3	CSE312	CS Core
2	Final Year Project	CSE493	0	CSE312, CSE341	CS Core /Project
3	CS elective-IV	CSE-	3	-	CS Elective
4	CS elective-V	-	3	-	CS Elective
5	General elective-III	-	4	-	General Elective

Senior	Semester - 8	Course code	Credit hours	Pre-requisite	Course type
1	Final Year Project	CSE494	6	CSE493	CS Core/ Project
2	Audit, Ethics and IS Issues	MIS454	3	MGT211	CS Core
3	CS elective- VI	CSE-	3	-	CS Elective
4	CS elective- VII	CSE-	3	-	CS Elective
5	General elective-IV	-	3	-	General Elective

Important note

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

- Corporate internship can only be carried out after 6th semester (i.e. after completion of all the courses till the 6th semester as mentioned in the semester-wise break up above).



Bachelor of Science (BS) Mathematics

Bachelor of Science (BS) Mathematics at IBA is a 4-year degree program. Its uniqueness lies in the offer of earning concentrations in allied areas of sciences while adhering to the mathematics core. The flexibility and diversity that this scheme offers to students in studying mathematics aligned with the current common structure of the BS-Math programs worldwide while keeping in line with HEC guidelines. Regular academic, as well as professional career development guidance is also available to students to help them cope with challenges more effectively.

This program prepares graduates with diverse skills, attributes, and field knowledge, which are critical ingredients for a successful applied sciences career.

The program aims to equip students with sufficient analytical and computational skills for a successful corporate career, a career in education, or a career in industry. A diverse skillset will also enable students to seek promising careers in research and development in mathematics and related fields, applied sciences, engineering sciences, actuarial sciences, economics, data sciences, quantitative finance, computing, banking, and statistics, and post-graduate study in mathematics, and theoretical physics as well as university teaching.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Curriculum structure	
Duration	4 years
Semesters	8
Courses	40
Research Project	1
Total credit hours	128

Required courses

Section	Course category	Courses	Credit hours	Category	Courses	Credit hours
A	University Core courses	4	12	Compulsory Requirements	9	25
B	Mathematics Core courses	13	41			
C	Mathematics Electives	4	12	General Courses	7	21
D	Science Core courses	6	20			
E	University Breadth courses	4	12	Discipline-Specific Foundation Courses	10	33
F	Restricted Electives	3	9			
G	Free Electives	6	18	Major Courses, including Research Project	11+ project	37
H	Research Project	1	4			
Total		41	128	Total	41+ project	128



A. University core courses

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

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

B. Mathematics core courses

Course title	Course code	Credit hours	Pre-requisite
Calculus-I	MTS101	3	-
Mathematical Logic & Sets Theory	MTS211	3	-
Calculus-II	MTS232	3	MTS101
Linear Algebra	MTS203	3	-
Mathematical Statistics and Probability	MTS2xx	3	-
Advanced Calculus	MTS242	4	MTS232
Introduction to Differential Equations	MTS241	3	MTS101
Mathematical Methods	MTS3xx	3	
Numerical Analysis	MTS306	3	MTS232
Statistical Modeling	MTS202	3	MTS102
Abstract Algebra	MTS305	3	MTS203
Analysis	MTS-xxx	4	MTS341
Geometry & Topology	MTS451	3	MTS341
Final Year Project (Mathematics)	MTS471	4	-

C. Mathematics electives courses

Course title	Course code	Credit hours	Pre-requisite
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	MTS203, MTS204
Stochastic Processes	MTS304	4	MTS231

Fluid Dynamics I	MTS437	3	-
Fluid Dynamics II	MTS438	3	-
Financial Mathematics with a computational approach	MTS441	3	-
Computational Finance	MTS442	3	-
Modern Algebra I (Galois Theory & Applications)	MTS443	3	MTS413
Modern Algebra II (Commutative Rings & Fields)	MTS444	3	MTS431
Measure Theory I	MTS445	3	-
Measure Theory II	MTS446	3	-
Operations Research I	MTS447	3	-
Operations Research II	MTS448	3	-
Scientific Computing for Linear PDE's.	MTS414	3	MTS413
Introduction to Differential Topology	MTS452	3	MTS451
Financial Engineering	MTS453	3	MTS441
Geometry-I	MTS4xx	3	-
Geometry-II	MTS4xx	3	-
Abstract Algebra II	MTS413	3	MTS305
Financial Mathematics	MTS5xx	3	-
Financial Analysis II	MTS412	3	-
Electrodynamics and Special Relativity	PHY4xx	3	-
Algebraic Quantum Theory	PHY4xx	3	-
Introduction to Quantum Field Relativity	PHY4xx	3	-
Introduction to Scientific Computing	MTS4xx	3	-
Time Series Analysis	MTS4xx	3	-
Introduction to Data Mining	MTS4xx	3	-
More options	MTS-	3	-

D. Science core courses

	Course title	Course code	Credit hours	Pre-requisite
1	Introduction to Programming	CSE141	4	-
2	Mechanics	PHYxxx	3	-
3	Electricity & Magnetism and Waves	PHYxxx	3	MTS101
4	Data Structures	CSE247	4	CSE141
5	Introduction to Quantum Mechanics	PHYxxx	3	-
6	Design & Analysis of Algorithms	CSE317	4	CSE247

E. University breadth requirement: (4 Courses)

* To be selected from other schools with at least one course from each school.

F. Mathematics electives specialized groups*:

*All these courses are Mathematics electives and can be used to fulfill Mathematics elective requirements. The grouping is only made to help students build their strength in a particular specialty and to specify the requirements to earn a specific concentration on the transcript.

Mathematical Physics:

- Quantum Mechanics II
- Advanced Quantum Mechanics
- Introduction to Quantum Field Theory
- Electrodynamics and Special Relativity
- Quantum Information
- Statistical Mechanics
- Algebraic Quantum Theory
- General Relativity
- Computational Physics
- Stochastic Processes in Physics

Computational Mathematics

- Introduction to Scientific Computing
- Numerical Solutions of PDE
- Scientific Computing for Linear PDE's
- Computational Physics
- Computational Quantum Field Theory
- Monte-Carlo Methods
- Financial Mathematics with a computational approach

- Scientific Computing for Linear PDE's
- Computational Physics
- Computational Quantum Field Theory
- Monte-Carlo Methods
- Financial Mathematics with a computational approach
- Financial Mathematics
- Operations Research
- Computational Finance

Data and Statistics:

- Introduction to Data Science
- Introduction to Data Mining
- Bayesian Statistics
- Stochastic Processes
- Time Series Analysis
- Econometrics
- Applied Multivariate Statistics
- Simulation and Computational Statistics
- Machine Learning
- Neural Networks

G. Free electives / concentration / minor declaration policy in BS (Mathematics) program

Free elective courses facilitate interdisciplinary study and provide a broader vision to the students. In the BS (Mathematics) program, students can (optionally) earn a concentration on their transcripts according to the following plan.

Computer Science

(3 additional courses with CS code, 300 level and beyond, apart from the CS required courses that are part of the core)

Data Analytics

(3 additional courses from Data and Statistics Stream, 300 level and beyond, apart from the one required course from this stream that is counted as restricted elective)

Physics

(3 additional courses from Mathematical Physics Stream, 300 level and beyond, apart from the one required course from this stream that is counted as restricted elective)

Concentration / minor will not be mentioned on the degree; however, they will be shown on the mark sheet.

Note: It is not mandatory for a student to select a concentration / minor in a BS (Mathematics) Program. They can choose courses from other fields of study apart from the ones mentioned above as a free elective for the completion of their degrees.

Concentration is declared at the time of graduation by submitting the appropriate forms

H. Final year Mathematics project. One final year project of 4 credit hours



Semester-wise sequence of courses

Freshman	Semester-1	Course code	Credit hours	Pre-requisite	Course type
1	Calculus-I	MTS101	3	-	Mathematics Core
2	Mechanics	PHYxxx	3	-	Science Core
3	Pakistan Studies	SSC151	3	-	University Core
4	Mathematical Logic & Set Theory	MTS211	3	-	Mathematics Core
5	English Grammar & Composition	SSC101	3	-	University Core

	Semester-2	Course code	Credit hours	Pre-requisite	Course type
1	Calculus-II	MTS232	3	-	Mathematics Core
2	Electricity, Magnetism, & Waves	PHYxxx	3	-	Science Core
3	Linear Algebra	MTS203	3	-	Mathematics Core
4	Speech communication	HUM203	3	-	University Core
5	Introduction to programming	CSE141	4	-	Science Core

Sophomore	Semester-3	Course code	Credit hours	Pre-requisite	Course type
1	Advanced Calculus	MTS242	3	MTS232	Mathematics Core
2	Mathematical Statistics & Probability	PHYxxx	3	-	Mathematics Core
3	Introduction to Differential Equations	MTS241	3	MTS101	Mathematics Core
4	University Breadth		3		University Breadth
5	Socioeconomic Philosophy of Islam Or Philosophy, Logic, and Ethics*	SSC301 / HUM357	3	-	University Core

	Semester-4	Course code	Credit hours	Pre-requisite	Course type
1	Mathematical Methods	MTSxxx	3	-	Mathematics Core
2	Introduction to Quantum Mechanics	PHYxxx	3	-	Science Core
3	Statistical Modeling	MTSxxx	3		Mathematics Core
4	Numerical Analysis	MTS306	3	MTS232	Mathematics Core
5	Data Structures	CSE241	4	CSE141	Science Core



Junior	Semester-5	Course code	Credit hours	Pre-requisite	Course type
1	Abstract Algebra	MTS305	3	MTS203	Mathematics Core
2	Analysis	MTSxxx	3	MTS242	Mathematics Core
3	Computational Mathematics Elective	MTSxxx	3	-	Elective
4	Design & Analysis of Algorithms	CSE317	3	-	Science Core
5	Mathematics Elective-I	MTSxxx	3	-	Elective
	Semester-6	Course code	Credit hours	Pre-requisite	Course type
1	Mathematical Physics Elective	MTSxxx	3	-	Elective
2	Data and Statistics Elective	MTSxxx	3	-	Elective
3	Geometry & Topology	MTS451	3	-	Mathematics Core Course
4	Mathematics Elective-II	MTS451	3	-	Elective
5	University Breadth	MTSxxx	3	-	University Breadth Course
Senior	Semester-7	Course code	Credit hours	Pre-requisite	Course type
1	Mathematics Elective III	MTSxxx	3	-	Elective
2	Mathematics Elective IV	MTSxxx	3	-	Elective
3	University Breadth	MTSxxx	3	-	University Breadth
4	Free Elective		3	-	Elective
5	Free Elective	SSC101	3	-	Elective
	Final Year Project	MTSxxx			Project

	Semester-8	Course code	Credit hours	Pre-requisite	Course type
1	Free Elective			-	Elective
2	Free Elective			-	Elective
3	Free Elective			-	Elective
4	Free Elective			-	Elective
5	University Breadth			-	University Breadth
	Final Year Project	MTSxxx			Project



Master of Science (MS) Computer Science

The Department of Computer Science at IBA, under the School of Mathematics and Computer Science (SMCS) is an exciting place to learn about the latest developments in Computer Science as well as to perform research with a high social impact. The MS program comprises of 4 tracks, each completely aimed at a particular field of specialization in Computer Science. The diverse backgrounds of students that come from various fields of study into this program require a customized and tailored approach towards building the relevant fundamentals for each track. Moreover, the curriculum has been designed so that it is at par with IEEE/Association for Computing Machinery (ACM) guidelines. This ensures that the tracks do not lose relevance in the wake of a rapidly changing landscape of computing technologies. The potential of this program in terms of imparting useful advanced computing skills and professional growth is measured by the readiness of the job market and advanced learning schools in absorbing graduates. The curriculum design ensures that the graduates can creatively find technology-based solutions, think critically and analyze systems and emerging problems independently.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

The minimum duration of the program is 2 years, comprising 4 semesters. Total credit hours are 30.

Required courses

The Master of Science Computer Science (MSCS) program has two basic categories: MS with Thesis and MS without Thesis. In both categories, the student should complete 30 credit hours. In MS with Thesis, the student needs to complete 18 credit hours to be eligible for taking MS Thesis I (research work) and MS Thesis II (thesis work) of 3 credit hours each over two semesters. In MS without Thesis, the student needs to complete 24 credit hours to register for the MS Project, which is a one semester, 3 credit hour implementation of a solution to solve an industrial problem related to any domain of computer science.

In the MS Thesis, the student is required to discover an innovative algorithm, methodology, framework, entity, or an application, which is clearly distinguishable from the state-of-the-art research. Then, the student implements this innovation and attempts to demonstrate that it works or performs better or at least at par with current research trends. Finally, the student will attempt to publish these findings in a conference, workshop, symposium or journal paper. In the MS Project, the student implements a small-scale product, software, API, solution or similar entity to preferably address a current industrial need or requirement. The MS Project can also implement an innovative and unique idea of the student or supervisor which might become useful for the industry later. For more information, visit: <https://cs.iba.edu.pk/msthesisproject/>.

The course work may be taken from more than one of the 4 specialization tracks, with a student required to take a minimum of one course from each track with no limit on the maximum number of courses per track. Each track has its own set of pre-requisites which are usually BS level Computer Science courses. MS students may also take courses at the PhD (600) level for credit.

The breakdown of credit hours for both MSCS is as follows:

MS with Thesis

	Course category	Course	Credit hours	Total
1	CS electives	8	3	24
2	MS Thesis-I	Equivalent to 1 course	3	3
3	MS Thesis-II	Equivalent to 1 course	3	3
	Total	10	-	30

MS without Thesis

	Course category	Course	Credit hours	Total
1	CS electives	9	3	27
2	MS Project	Equivalent to 1 course	3	3
	Total	10	30	30

MSCS has the following 4 tracks, respective courses in each track are listed below (each course has its pre-requisites and is subject to the Instructor's consent)

List of specialization tracks

Tracks	Specialization	Criteria
1	AI/Intelligent Systems (Track-AI)	Required to take minimum one course - no limit on maximum courses
2	Information Systems and Software Engineering (Track-ISSE)	Required to take minimum one course - no limit on maximum courses
3	Network Centric Computing/ Systems (Track-NCC)	Required to take minimum one course - no limit on maximum courses
4	Theory (Track-Theory)	Required to take minimum one course - no limit on maximum courses

Track-AI courses

	Course code	Course title
1	MIS552	Advanced Data Warehousing
2	CSE668	Big Data Analytics
3	CSE607	Bioinformatics Algorithms
4	CSE659	Computational Intelligence
5	CSE660	Computer Vision
6	CSE510	Data and Information Visualization
7	CSE679	Data Science Product Development
8	CSE669	Deep Learning
9	CSE559	Image Processing
10	CSE602	Machine Learning-I
11	CSE603	Machine Learning-II
12	CSE601	Mathematics for Data Science
13	CSE574	Natural Language Processing
14	CSE655	Probabilistic Reasoning
15	CSE661	Semantic Web
16	CSE670	Social Network Analysis
17	CSE674	Text Analytics

Track-ISSE courses

	Course code	Course title
1	CSE575	Advance Human Comp Interaction
2	MIS565	Advanced E-Commerce
3	CSE570	Digital Business Transformation
4	MIS503	Enterprise Integration
5	MIS513	Information Industry Structure and Competitive Strategy
6	CSE665	Information Retrieval and Web Search - I
7	CSE666	Information Retrieval and Web Search - II
8	CSE658	Knowledge Management and e-learning Systems
9	MIS550	Logistics and Supply Chain Management
10	MIS553	Mobile Marketing Strategies
11	MIS502	Operations and Technology Management
12	CSE567	Requirements Engineering
13	CSE640	Research Methodology
14	MIS601	Research Methods in IS
15	CSE503	Software Project Management
16	CSE566	Software Quality Assurance
17	CSE564	Software Systems Engineering
18	CSE576	Usability Engineering

Track-NCC courses

	Course code	Course title
1	ICT511	Advanced Computer Networks
2	CSE550	Cloud Security
3	ICT651	Computer Comm Network & Simulation
4	CSE582	Cyber Security Operations
5	CSE580	Essentials of Information Security
6	CSE565	Internet of Things
7	CSE675	Software Defined Networking
8	ICT659	Wireless Sensor Networks
9	ICT662	WSN Protocols and Applications

Track-Theory courses

	Course code	Course title
1	CSE607	Bioinformatics Algorithms
2	CSE654	Combinatorial Optimization
3	CSE581	Computational Complexity Theory
4	CSE657	Essentials of Theoretical Computer Science
5	CSF501	Introduction to Algorithms
6	CSE662	Parallel Processing
7	CSE527	Programming Quantum Computers
8	CSE517	Quantum Computer Science
9	CSE680	Research Topics in Quantum Computing
10	MIS651	Theoretical Foundations of IS



Master of Science (MS) Data Science

The field of data science lies at the intersection of machine learning, probability, statistics, linear algebra and big data analytics. Offered by the School of Mathematics and Computer Science (SMCS), the MS in Data Science (MSDS) program prepares students to extract valuable insights from data through a unique and comprehensive methodology. The program is designed for students who want to begin or advance their careers in the field of data science. It provides a powerful base in subjects including statistical modeling, probabilistic reasoning, machine learning, management of massive data sets, data visualization, and software engineering. The program targets both CS and STEM (Science, Technology, Engineering and Mathematics) students and prepares them to apply the knowledge of data science to a wide range of corporate domains. Non-CS/SE/IT students are required to take non-credit foundation level courses in algorithms, data management and application development. These courses prepare them for the core and more advanced data science courses alongside students with a CS, IT or SE background. The MSDS core courses strengthen the students understanding of mathematical concepts that form the basis of machine learning and statistical modeling along with both theoretical and hands-on skills of big data management and analytics. Students can opt from a range of electives including, but not limited, to deep learning, text analytics, computer vision, business intelligence, time series analysis, information retrieval and social network analysis. The potential of this program in terms of imparting useful and advanced data science 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. Hence, the vision of MSDS is to train students to create an impact of data science in the local and international industry.

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

For the non-CS/IT/SE students who take the foundation level courses, the total minimum duration is 2.5 years (with a total of 5 semesters). For the CS/IT/SE students, the total minimum duration is 2 years (with a total of 4 semesters). MSDS courses are not offered in the two-month long summer semester.



Required courses

The MSDS program has two basic categories: MS with Thesis and MS without Thesis. In MS with Thesis, the student needs to complete 18 credit hours to take MS Thesis I (research work) and MS Thesis II (thesis work) of 3 credit hours each over two semesters. In MS without Thesis, the student needs to complete 24 credit hours to implement the MS Project, a one semester, 3 credit hour implementation of an industrial solution to solve a data science problem.

In the MS Thesis, the student is required to discover an innovative algorithm, methodology, framework, entity, or an application, which is clearly distinguishable from the state-of-the-art research. Then, the student implements this innovation and attempts to demonstrate that it works or performs better or at least at par with current research trends. Finally, the student will attempt to publish these findings in a conference, workshop, symposium or journal paper. In the MS Project, the student implements a small-scale product, software, API, solution or similar entity to preferably address some current industrial need or requirement. The MS Project can also implement some innovative and unique idea of the student or supervisor which might become useful for the industry later. For more information,

visit: <https://cs.iba.edu.pk/msthesisproject/>

Program Structure

The MSDS program is of 4 semesters with a total of 39 credit hours. The following structure will be followed for MS with Thesis and MS without Thesis:

MS with Thesis

Section	Course title	Courses	Credit hours
A	Foundation courses	3	9
B	Core courses	3	9
C	Electives	5	15
D	Thesis (MS Thesis I and MS Thesis II)	2	6
	Total	13	39

MS without Thesis

Section	Course title	Course	Course hours
A	Foundation courses	3	9
B	Core courses	3	9
C	Electives	6	18
D	MS Project	1	3
	Total	13	39

The breakdown of foundation and core courses is as follows:

	Foundation courses (for students with non-CS background)	Course code	Credit hours	Pre-requisite
1	Introduction to Algorithms	CSF501	3	-
2	Database Management	CSF505	3	-
3	Application Development	CSF510	3	-

Core courses				
1	Mathematics for Data Science	CSE601	3	Clear all foundation courses/CS-background
2	Machine Learning - I (Supervised Learning)	CSE602	3	Clear all foundation courses/CS-background
3	Big Data Analytics	CSE668	3	Clear all foundation courses/CS-background

The potential list of offered electives is as follows:

	Electives (More courses may be added to this list)	Course code	Credit hours	Pre-requisite
1	Probabilistic Reasoning	CSE655	3	Maths for DS, ML-1
2	Computational Intelligence	CSE659	3	Maths for DS, ML-1
3	Computer Vision	CSE660	3	Maths for DS, ML-1
4	Computational Intelligence	CSE659	3	Maths for DS, ML-1
5	Information Retrieval	CSE665	3	Maths for DS, ML-1
6	Deep Learning	CSE669	3	Maths for DS, ML-1
7	Social Network Analysis	CSE670	3	Maths for DS, ML-1
8	Deep Learning	CSE673	3	Maths for DS, ML-1
9	Text Analytics	CSE674	3	Maths for DS, ML-1
10	Machine Learning-II (Unsupervised Learning)	CSE603	3	Maths for DS, ML-1
11	Data and Information Visualization	CSE510	3	Completion of all core courses
12	Internet of Things	CSE565	3	Completion of all core courses
13	Cyber Security Operations	CSE582	3	Completion of all core courses
14	Cloud Security	CSE550	3	Completion of all core courses
15	Research Methodology	CSE640	3	Completion of all core courses

Note: -

- BS (CS/SE/IT) graduates are exempted from the foundation courses. For other candidates, the interview panel will decide which foundation courses are they exempted from.
- In each academic year, students with non-CS background will be inducted only in Fall semester, and students with CS background will be inducted only in Spring semester.

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

Semester 0 (Foundation courses)		Credit hours	Course type
1	Introduction to Algorithms	3	Foundation
2	Database Management	3	Foundation
3	Application Development	3	Foundation

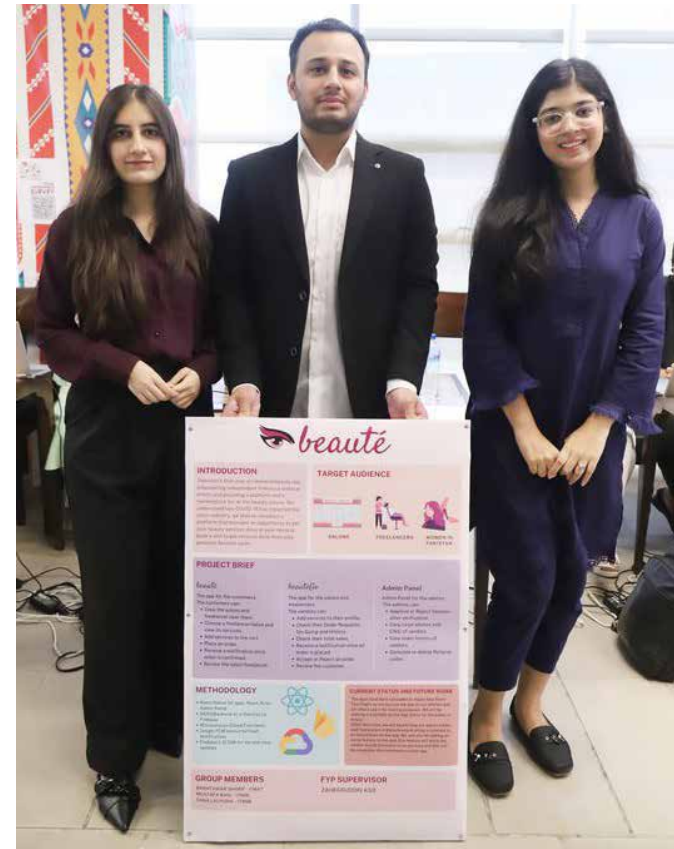
Semester 1		Credit hours	Course type
1	Mathematics for Data Science	3	Core
2	Machine Learning - I (Supervised Learning)	3	Core
3	Big Data Analytics	3	Core

Semester 2		Credit hours	Course type
1	Elective 1	3	Elective
2	Elective 2	3	Elective
3	Elective 3	3	Elective

Semester 3		Credit hours	Course type
1	Elective 4	3	Elective
2	Elective 5	3	Elective
3	Elective 6 or MS Thesis-I	3	Elective / Thesis

Semester 4		Credit hours	Course type
1	MS Project or MS Thesis-II	3	Project / Thesis

For further details, please email at: msds-queries@iba.edu.pk or msds@iba.edu.pk



Master of Science (MS) Mathematics

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

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

The minimum duration of the program is 2 years.

Part-time students

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

Requirements for the award of MS 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 must do two electives to be chosen from the list given at 500 level. A student can also choose a PhD Mathematics course as an elective by taking approval from the Board of Studies Mathematical Sciences.
- The eligibility for doing an MS thesis is a CGPA of 3.00.

- Students who do not qualify the eligibility criteria for doing an MS thesis will be required to do two additional courses (6 credit hours in addition) and graduate with an MS degree only. Such MS graduates would not be eligible for doing a PhD Mathematics in the future from IBA.
- Public defense of the MS thesis and completion of the degree will be governed as per IBA's policy.

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

Required courses

Course category	Courses	Credit hours
Core units	6	18
Elective units	2	6
Literature survey	1	3
Research work units	1	1
Total	10	30

MS without thesis

Course category	Courses	Credit hours
Core units	6	18
Elective units	4	12
Literature survey	0	0
Research work units	1	0
Total	10	30

Core courses*

	Spring Semester	Course code	Credit hours	Pre-requisite	Course type
1	Advanced Real Analysis	MTS511	3	-	Core
2	Topics in Algebra	MTS513	3	-	Core
3	Scientific Computing I of PDE's	MTS576	3	-	Core
4	Elective I	MTS	3	-	Elective



	Fall Semester	Course code	Credit hours	Pre-requisite	Courses type
1	Probability and Mathematical Statistics	MTS508	3	-	Core
2	Topics in Number Theory	MTS562	3	-	Core
3	Topology and Geometry	MTS575	3	-	Core
4	Elective II	MTS	3	-	Elective
	Semester 3 and 4	Course code	Credit hours	Pre-requisite	Courses type
1	MS Thesis (with literature survey)	MTS699	6	-	Elective

Elective courses

	Courses	Course code	Credit hours	Pre-requisite
1	Non Linear Dynamics and chaos	MTS507	3	MTS203, MTS 241
2	Measure Theory and Integration	MTS512	3	MTS512
3	Topics in Commutative Algebra	MTS514	3	MTS513
4	Scientific Computing	MTS521	3	-
5	Stochastic Processes II	MTS525	3	MTS304
6	Stochastic Differential Equations	MTS529	3	MTS304
7	Topics in Commutative Algebra	MTS514	3	MTS513
8	Integral Equations-I	MTS533	3	-
9	Mathematical Astronomy	MTS537	3	-
10	Homological Algebra	MTS539	3	MTS513
11	Computational Algebraic Geometry	MTS541	3	MTS513
12	Applicable Modern Geometry I	MTS545	3	MMTS511, MTS513, MTS516
13	Algebraic Geometry I	MTS549	3	MTS514

13	Scientific Computing and Software	MTS551	3	MTS521
14	Algebraic Cycles I	MTS553	3	MTS513
15	Arithmetic Algebraic Geometry	MTS557	3	MTS513
16	Exploratory Data Analysis	MTS561	3	-
17	Mathematical Physics I	MTS565	3	-
18	Statistical Data Mining and Knowledge Discovery	MTS569	3	-
19	Statistical Machine Learning	MTS573	3	-
20	Galois Theory	MTS577	3	MTS513
21	Smooth Manifolds	MTS581	3	MTS510

*The departmental Board of Studies is authorized to introduce any new course added to the above list as and when required. Note: Any course of 600 level of Mathematics could be treated as an MS Mathematics elective.



PhD Computer Science

PhD in Computer Science aims to carry out cutting edge research in the field of Computer Science, gaining recognition for it and maintaining social and corporate networks in the field of study. The IBA Department of Computer Science offers PhD programs in the following areas: Artificial Intelligence and Cognitive Robotics, Computer Vision, Bioinformatics, Wireless and Mobile Communications, Social Computing, Operations Research, Management Information System, Numerical Analysis and Computing, Multimedia and Web, and Human Computer Interaction.

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

The PhD-CS 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

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

	Program	Courses	Credit hours
A	Course Work ^{1,2}	6	18
B	Dissertation	-	12

Rules:

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

Courses*

Course title	Course code	Credit hours	Pre-requisite
Machine Learning – I	CSE602	3	
Machine Learning – II	CSE603	3	
Bioinformatics Algorithms	CSE607	3	-
Advanced Analysis of Algorithms	CSE651	3	-
Combinatorial Optimization	CSE654	3	-
Probabilistic Reasoning	CSE655	3	-
Computational Intelligence	CSE659	3	-
Semantic Web	CSE661	3	CSE665
Parallel Processing	CSE662	3	-
Information Retrieval and Web Search-I	CSE665	3	-
Information Retrieval and Web Search-II	CSE666	3	-
Big Data Analytics	CSE668	3	CSE248, MTS102
Deep Learning	CSE669	3	ICT651
Social Network Analysis	CSE670	3	CSE141, CSE248, MTS102
Computer Communication Network and Simulation	ICT651	3	ICT659
Computer Communication Network and Simulation II	ICT654	3	CSE248
Wireless Sensor Networks	ICT659	3	-
Advanced Topics In Wireless Sensor Networks	ICT660	3	-
WSN Protocols And Applications	ICT662	3	MIS651
Theoretical Foundations of IS	MIS651	3	
Advanced Research Topics In IS	MIS652	3	-
Advanced Theoretical Concepts in IS	MIS653	3	-

*It is a partial list of courses

PhD Mathematics

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

Eligibility criteria

For the eligibility criteria, refer to pages **08-09**.

Duration

Minimum duration of the program is 4 years and the maximum time allowed is 8 years.

Other rules

- A PhD student must spend at least the first two years in the IBA as a full-time PhD scholar. Failing in doing so will result in termination from the program.
- PhD students will be required to do six courses (chosen from the list below) at 600 level as suggested by the research supervisor and/or Board of Studies Mathematical Sciences.

Courses

Board of Studies Mathematical Sciences is authorized to introduce any new courses added to the followed list as and when required. On successful completion of the course work with CGPA of at least 3.00, the candidate qualifies to work on the PhD dissertation. Failing to achieve this qualification, the candidate would be allowed to improve his/her CGPA by doing two of their courses again. In view of the candidate's request and recommendation of the Board of Studies Mathematical Sciences, the candidate may do any other two courses to bring their CGPA to the required level.

Comprehensive test

The comprehensive examination would be taken anytime in the first two years of PhD.

Disqualification

If the candidate fails to qualify for working on a PhD dissertation, they may be awarded an MS degree on the recommendation of the supervisor/Board of Studies Mathematical Sciences.

Defense of PhD thesis proposal and thesis

PhD thesis proposal would have to be defended in front of two national examiners (selected and approved by BOS and BASR). Public defense of the PhD thesis and completion of the degree will commence after the thesis has been examined by two foreign external examiners (will be selected as per the HEC policy).

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

List of courses

	Courses	Course code	Credit hours	Pre-requisite
1	Numerical Treatment of P.D.E.	MTS621	3	MTS515 -
2	Financial Mathematics	MTS625	3	MTS537
3	Computational Astronomy	MTS637	3	MTS545
4	Applicable Modern Geometry II	MTS645	3	MTS549
5	Algebraic Geometry II	MTS649	3	MTS553 -
6	Algebraic Cycles II	MTS653	3	MTS366
7	Algebraic Curves	MTS655	3	MTS557 --
8	Iterative Methods for Sparse Linear Systems	MTS656	3	MTS525 --



1	Numerical Treatment of P.D.E.	MTS621	3	MTS515 -
2	Financial Mathematics	MTS625	3	MTS537
3	Computational Astronomy	MTS637	3	MTS545
4	Applicable Modern Geometry II	MTS645	3	MTS549
5	Algebraic Geometry II	MTS649	3	MTS553 -
6	Algebraic Cycles II	MTS653	3	MTS366
7	Algebraic Curves	MTS655	3	MTS557 --
8	Iterative Methods for Sparse Linear Systems	MTS656	3	MTS525 --
9	Poly logarithms	MTS657	3	MTS565
10	Timescale calculus	MTS658	3	MTS451
11	Computational Fluid Dynamics	MTS659	3	MTS514
12	Multivariate Statistical Analysis	MTS661	3	MTS539
13	Analysis on Manifolds	MTS662	3	MTS 242, MTS 203 --
14	Plane Curves and Singularities	MTS664	3	MTS515 -
15	Mathematical Physics II	MTS665	3	MTS537
16	Advanced Topology	MTS666	3	MTS545
17	General Relativity and Cosmology	MTS667	3	MTS549
18	Scientific Programming	MTS668	3	MTS553 -
19	Convex Analysis	MTS669	3	MTS366
20	Algebraic Number Theory	MTS670	3	MTS557 --
21	Monomial Algebra	MTS671	3	MTS525 --
22	Topics in Homological Algebra	MTS672	3	MTS565
23	Computational Continuum Mechanics	MTS673	3	MTS451

24	Algebraic Topology	MTS674	3	MTS514
25	Category Theory	MTS606	3	MTS539
26	Quantum Mechanics I	MTS675	3	MTS 242, MTS 203 --
27	Special Relativity	MTS676	3	MTS515 -
28	De Rham Cohomology	MTS677	3	MTS537
29	Topics of Special Interest I	MTS691	3	MTS545
30	Topics of Special Interest II	MTS692	3	MTS549
31	Topics in Homological Algebra	MTS621	3	MTS553 -



Student enrollment statistics (Spring 2022)

Academic Programs	Enrolled students	Male students	Female students
Bachelor of Business Administration (BBA)	1057	589	468
BS Accounting and Finance	910	625	285
BS Computer Science	624	468	156
BS Economics	439	245	194
BS Economics & Mathematics	239	137	102
BS Social Sciences & Liberal Arts	353	99	254
MBA Evening	324	252	72
MBA Executive	267	220	47
MBA - Morning	159	83	76
MS Computer Science	83	62	21
MS Development Studies	13	4	9
MS Data Sciences	64	48	16
MS Economics	27	14	13
MS Finance	16	12	4
MS Islamic Banking & Finance	55	43	12
MS Management	28	10	18
MS Mathematics	20	7	13
PhD Computer Science	38	20	18
PhD Economics	18	14	4
PhD Mathematics	24	14	10

Undergraduate Programs		Graduate Programs		Doctoral Programs		Total 4758
3622		1056		80		
Male	Female	Male	Female	Male	Female	
2163	1459	755	301	48	32	
Total Male Students		2966		Total Female Students		1792
Male Students		62%		Female Students		38%

Enrollment

Every year a huge number of students apply to study at the IBA, of which only the meritorious candidates are granted admission. The table shows how many students enrolled in 2021-22 by academic programs and showcases that:

- a) Total enrollment is 4758 students
- b) The student body is roughly three-quarters undergraduate, graduate and one-quarter post-graduate
- c) Business-related degree programs attract most students
- d) The overall gender ratio is 62% male and 38% female.



Calendar of Holidays

Gazetted/Public holiday 2022

Independence Day	14 August, 2022
Ashura*	09-10 August, 2022
Eid Milad-un-Nabi*	09 October, 2022
Birth anniversary of Quaid-e-Azam	25 December, 2022

Local/Optional holidays 2022

Urs of Shah Abdul Latif Bhitai (14 Safar)**	11 September, 2022
Death anniversary of late Benazir Bhutto**	27 December, 2022

Gazetted/Public holiday 2023

Kashmir day	05 February, 2023
Pakistan day	23 March, 2023
Eid-ul-Fitr*	22, 23 & 24 April, 2023
Labour day	01 May, 2023
Eid-ul-Azha*	29 June to 01 July, 2023
Independence Day	14 August, 2023
Ashura*	28-29 July, 2023
Eid Milad-un-Nabi*	28 September, 2023
Birth anniversary of Quaid-e-Azam	25 December, 2023

Local/Optional holidays 2023

Death anniversary of late Zulfiqar Ali Bhutto**	04 April, 2023
Urs of Shah Abdul Latif Bhitai (14 Safar)**	31 August, 2023
Death anniversary of late Benazir Bhutto**	27 December, 2023

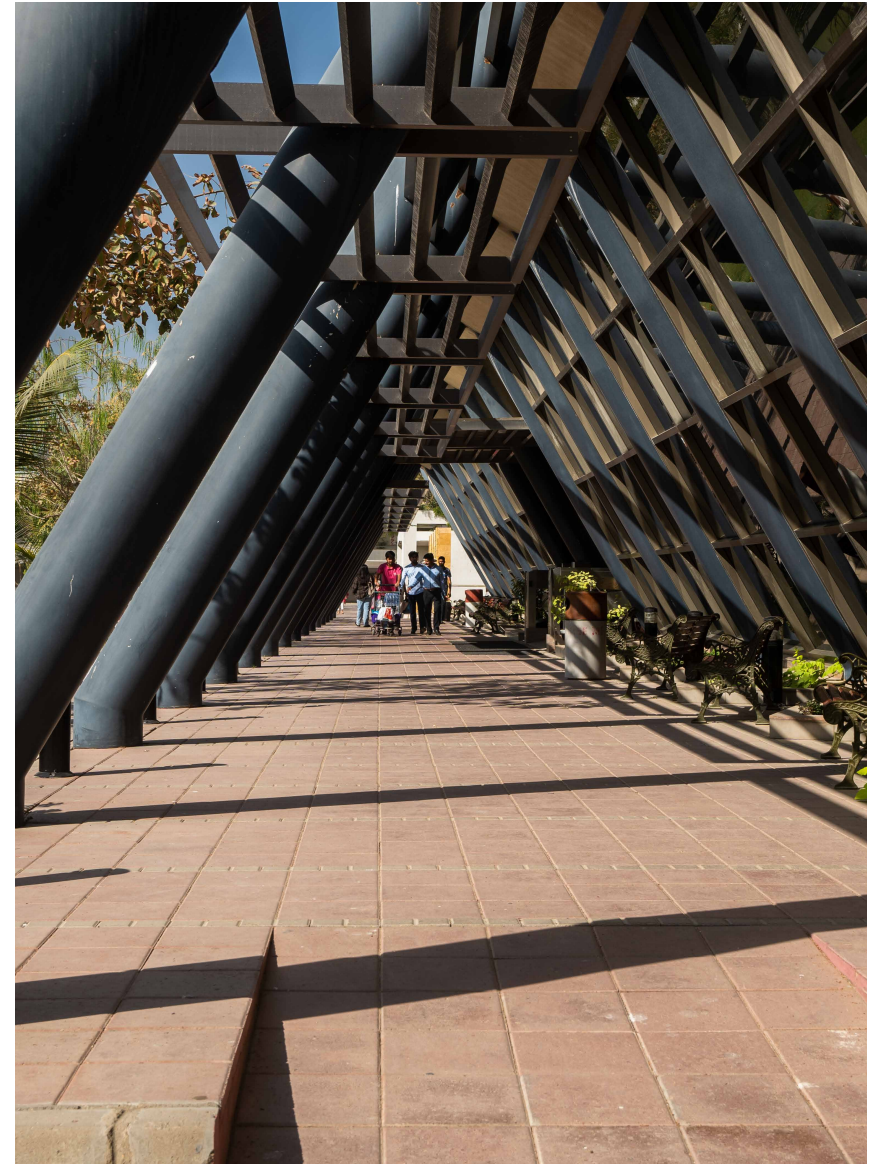
* Subject to moon sighting

** Subject to receiving notification from the Government of Sindh



Excerpts of the academic calendar 2022-23

August 26 & 28, 2022	Orientation
August 22, 2022 to December 22, 2022	Fall Semester 2022
December 03, 2022	Convocation 2022
January 12, 2023	Orientation
January 13, 2023 to May 23, 2023	Spring Semester 2023
June 09, 2023 to August 08, 2023	Summer Semester 2023
August 20, 2023	Orientation
August 21, 2023	Fall Semester 2023





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Karachi - 74400 Pakistan

UAN: 111-422-422

Fax : 92-21-38103008

info@iba.edu.pk

www.iba.edu.pk

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