IBA

70 YEARS & BEYOND

Leadership ▪ Excellence ▪ Impact

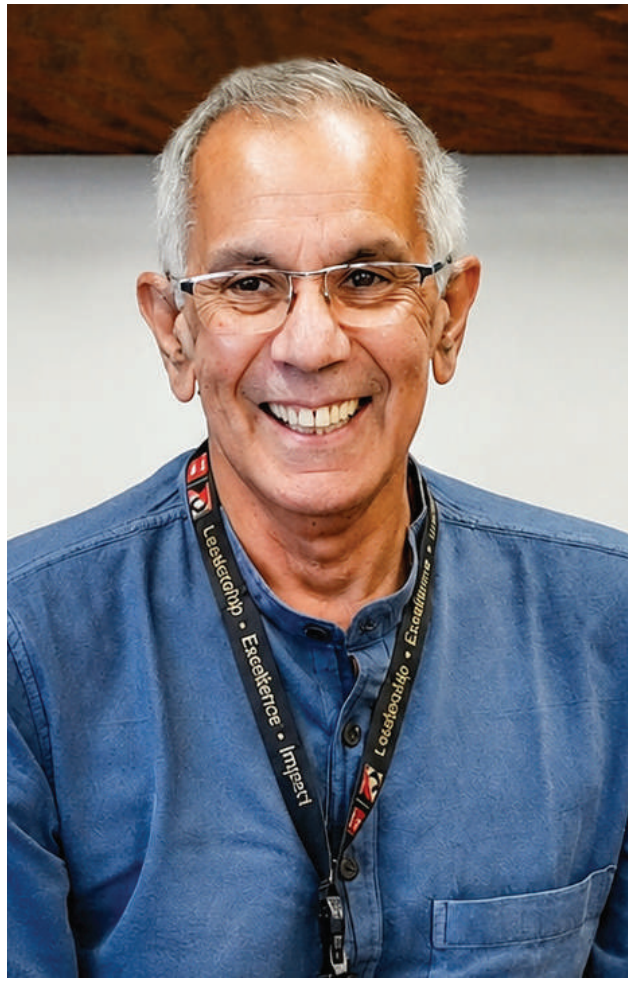
AACSB ACCREDITED

PROGRAM

ANNOUNCEMENT 2026-27

Table of Contents

Message from the Executive Director



Dr. S Akbar Zaidi
Executive Director

It gives me immense pleasure to welcome you to Pakistan's leading institution of higher learning, IBA, Karachi. I can assure you that this will be a life-changing experience for each one of you, one that you will never forget, and this starts as soon as you enter the IBA for the very first time. You are the new admissions to IBA's Class of '30. By being admitted, which is always a very challenging and competitive process, you have already shown your capabilities and potential. We already know how good you are, you excel.

Congratulations on this tremendous achievement! You should feel immense pride and accomplishment and be prepared for what we know will be the best years of your life.

We celebrated IBA's Seventieth Anniversary recently, a stellar history of seven decades with high academic standards and ethical values. I hope you will quickly assimilate these traits as has our 20,000-plus global alumni network. The IBA offers a very high standard of learning and education, and I am convinced that this education process will benefit each one of you immensely. Apart from learning in the classroom, the IBA also has many student societies and varied extracurricular activities, which all of you should partake in and benefit from. We pride ourselves on the sports and recreational facilities we offer. For us, the IBA experience goes well beyond the classroom.

The IBA journey is challenging, requires dedication, commitment, and hard work, and is one of high academic standards. While you study, remember that the educational experience is also fun and joyous. In acquiring your degrees and learning, do not forget to enjoy yourself and experience life's many gifts. The IBA will support you in every way possible as you pursue your dreams and goals. Enjoy the next few years; they will surely be the ones you remember most.

Message from the REGISTRAR

Dr. Mohammad Asad Ilyas
Registrar

It gives me immense pleasure to welcome the incoming Fall 2026 batch to IBA Karachi. As you begin this exciting academic journey, the Office of the Registrar remains committed to providing a seamless, student-centered experience that supports your academic, personal, and professional growth.

The Office of the Registrar plays a strategic role in advancing IBA Karachi's academic vision through institutional excellence, academic integrity, responsive governance, and strengthened digital systems. Our commitment to modern service delivery and continuous improvement ensures an environment where students, faculty, and leadership can thrive in an evolving higher education landscape.

At IBA Karachi, we believe education extends beyond the classroom. Through enriching academic, cultural, sports, leadership, and community engagement opportunities, we encourage students to develop as responsible, ethical, and globally competitive individuals. Our investments in technology, modern facilities, student support services, and digital transformation reflect our commitment to delivering a world-class educational experience.

The academic year 2026–27 marks a significant phase of growth and expansion for IBA Karachi. This year will witness continued advancement in our academic programs, growth in our student and faculty community, and further enhancement of our physical infrastructure and institutional resources. We remain committed to elevating our learning environment further through innovation, excellence, and continuous improvement.

This Program Announcement has been prepared as a comprehensive guide to academic programs, regulations, student services, campus resources, and development opportunities. It is designed to help students navigate their academic journey and make the most of the transformative experiences available at IBA Karachi.

On behalf of the Office of the Registrar, I wish you every success as you begin another year of learning, discovery, and growth. We look forward to supporting you throughout your journey at IBA Karachi.

About **IBA**

Founded in 1955, Institute of Business Administration (IBA), Karachi is a leading institution for higher learning. With a legacy of seven decades, the Institute comprises three schools: School of Business Studies (SBS), School of Economics & Social Sciences (SESS), and School of Mathematics & Computer Science (SMCS).

IBA Karachi has nurtured generations of leaders and its esteemed alumni have ascended to prominent roles as thought leaders and CEOs in nationals and international corporations. The IBA alumni have made significant contributions across diverse fields including media, philanthropy, academics, politics, technology, arts, governance, entrepreneurship, and industries.

The IBA has expanded its academic offerings beyond business administration to include programs in Social Sciences, Data Science, Business Analytics, General Psychology, and other emerging fields, while preserving its core values and principles of imparting quality education. We are driven to ensuring quality education to students selected on merit, irrespective of ethnicity, gender, religion, or financial means.

The Institute emphasizes a teaching and learning environment that nurtures critical thinking, ethical conduct, and effective decision-making skills among its students. IBA's core values includes discipline, creativity, tolerance, integrity, inclusivity, and teamwork. These values not only shape the character of our students but also contribute to the institutional culture that fosters innovation and prepares graduates for leadership roles.

Today, the IBA stands as an institution that not only prepares students for the corporate world but also for significant contributions to business, government, and civil society. Continuously adapting to meet the current educational needs and global practices, the IBA remains dedicated to maintaining its academic excellence and elevating the communities it serves.

IBA

70 YEARS & BEYOND

Leadership ▪ Excellence ▪ Impact

OUR VISION

To be the best learning institution.

OUR 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.

OUR 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

2026-27

FALL 2026

Orientation Gala	August 16-22, 2026
Fall 2026 Starts	August 24, 2026 (Monday)
Midterms	October 12-17, 2026 (Monday – Saturday)
Mid-Semester Break	October 19-24, 2026 (Monday – Saturday)
Last Class	December 15, 2026 (Tuesday)
Reserve Days	December 16-17, 2026 (Wednesday – Thursday)
Faculty Evaluation	November 23–December 07, 2026
Final Exams	December 18–30, 2025 (Friday – Wednesday)
Result Submission Deadline	January 09, 2027 (Saturday)

*Convocation 2025 will take place on December 06, 2026.

SPRING 2027

Spring 2027 Starts	January 18, 2027 (Monday)
Midterms	March 15-20, 2027 (Monday - Saturday)
Mid-Semester Break	March 22-27, 2027 (Monday - Saturday)
Last Class	May 15, 2027 (Saturday)
Reserve Day	May 12-13, 2027 (Wednesday - Thursday)
Faculty Evaluation	April 26 - May 10, 2027
Final Exams	May 20 - June 01, 2027 (Thursday - Tuesday)
Result Submission Deadline	June 11, 2027 (Friday)

* If Eid ul Fitr Falls on 9 to 11 March then we won't be short of Fri-Sat session

LIST OF HOLIDAYS

Eid-Milad-un-Nabi(*)	Diwali (Optional)	Iqbal Day	Quaid Day + Christmas	Benazir Day
August 25, 2026 (Tuesday)	November 06, 2026 (Sunday)	November 09, 2026 (Monday)	December 25, 2026 (Friday)	December 27, 2025 (Sunday)

LIST OF HOLIDAYS

Kashmir Day	Eid ul Fitr(*)	Holi (Optional)	Pakistan Day	Bhutto Day	Labor Day	Eid ul Adha(*)	Yom-e-Takbeer
February 05, 2027 (Friday)	March 10-12, 2027 (Wednesday – Friday)	March 22, 2027 (Monday)	March 23, 2027 (Tuesday)	April 04, 2027 (Sunday)	May 01, 2027 (Saturday)	May 17-19, 2027 (Monday-Wednesday)	May 28, 2027 (Friday)

Academic Calendar

2026-27

SUMMER 2027

Summer 2027 Starts	June 16, 2027 (Wednesday)
Midterms	July 07–08, 2027 (Wednesday - Thursday)
Last Class	July 30, 2027 (Friday)
Reserve Day	July 31, 2027 (Saturday)
Faculty Evaluation	July 19–24, 2027 (Monday - Saturday)
Final Exams	August 02-03, 2027 (Monday - Tuesday)
Result Submission Deadline	August 10, 2027 (Tuesday)

Note: Fall 2027 semester will start from Monday, August 23, 2027.

FALL SEMESTER 2027

Orientation	-
Classes start	August 31, 2026 (Monday)

LIST OF HOLIDAYS

Ashura(*)	Shah Latif
June 14-15, 2027 (Monday-Tuesday)	June 19, 2027 (Monday)

Important Information / Notes

IBA Karachi reserves the right to change/update the academic calendar whenever it deems suitable.

(+) Reserve days will only be used for academic / teaching activities to make up for unexpected holidays, no extracurricular activity will be held during the reserve days.
(*) The holidays mentioned above are subject to the sighting of the moon.

IBA IN NUMBERS

1955 Founding Year	**60:40** Male: Female Student Ratio	**3** Dedicated Schools

118 PhD Faculty	**24** Academic Programs	**5000+** Enrolled Students	**30+** Student-run Clubs/Societies	**192** Full-time Faculty	**20000+** Alumni	**30** International Linkages

Academic Programs

SCHOOL OF BUSINESS STUDIES (SBS)

Bachelor of Business Administration (BBA)

Program Director: Dr. Kanza Sohail Khanani

The BBA program is a full-time 132 credit hours program comprising four years of rigorous education, giving students a broad view of the business world. Although no formally labeled specializations exist, students can opt for any combination of electives in Marketing, Accounting, Finance, Supply Chain, Human Resource Management (HRM), Business Analytics and Entrepreneurship. To ensure that BBA graduates from the IBA develop an awareness of societal and environmental challenges facing the world, students have to undergo an internship as a responsible citizen initiative with a non-profit organization (NPO). In addition, all BBA students are required to undergo a corporate internship to get exposure to the business world. This exposure is augmented by a semester-long experiential learning project (ELP), which takes the form of a consulting project for an organization. This serves as on-the-job training in the real business environment.

Bachelor of Science (BS) Accounting and Finance

Program Director Dr. Kanza Sohail Khanani

The BSAF program is a full-time 132 credit hours program comprising 4 years of rigorous education. The program is designed to provide an exclusive opportunity for students to receive a specialization in Accounting and Finance. The graduates of this program obtain multiple exemptions from the Institute of Chartered Accountants of Pakistan (ICAP) and the Association of Chartered Certified Accountants (ACCA). Furthermore, the 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.

BBA, BSBA and BSAF students can pursue a minor in Computer Science, Data Science & Software Engineering as offered by Department of Computer Science, SMCS.
For more details, please refer to page 91.

Bachelor of Science (BS) Business Analytics

Program Director: Dr. Kanza Sohail Khanani

The BS in Business Analytics (BS-BA) is a four-year, 132-credit hour program designed to equip students with essential data analysis skills and business acumen. By bridging business and technology, the program prepares future leaders to make informed decisions, drive innovation, and tackle complex challenges in today's data-driven world, providing a solid foundation to achieve your goals.

Master of Business Administration (MBA)

Program Director: Dr. Amer Iqbal Awan

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 who have achieved top positions in world-class organizations and established successful businesses.

Executive MBA

Program Director: Atif Murtaza Qaiser

The Executive MBA program is designed to prepare working professionals from diverse backgrounds for general management positions. The program develops strategic and cross-functional competencies and broadens intellectual horizons through a rich experiential exchange. An innovative learning experience based on case studies and simulations provides participants with an opportunity to leap from managerial to leadership roles.

Master of Science (MS) Finance

Program Director: Dr. Ashar Saleem

MS Finance was launched in the fall of 2020 as a specialized postgraduate program, designed to provide a solid theoretical foundation, as well as a computational skill set for a 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 & Finance

Program Director: Dr. Ashar Saleem

The MS Islamic Banking & Finance program at the Institute of Business Administration is designed to develop advanced knowledge and analytical capabilities in Islamic finance, banking, and Shariah-compliant financial systems. The program provides a strong foundation in Islamic financial jurisprudence, banking operations, and economic principles, while equipping students with the skills to address contemporary challenges in the Islamic finance industry.

Launched in Spring 2017, the program responds to the growing demand for qualified professionals in the rapidly expanding Islamic finance sector. It is designed for fresh graduates, industry practitioners, and Shariah scholars, and equips students with both theoretical and applied knowledge of Islamic finance, jurisprudence, banking, and economics, preparing them for impactful careers in academia as well as in the local and international Islamic finance industry.

Master of Science (MS) Management

Program Director: Dr. Ashar Saleem

The MS Management Program develops advanced analytical capabilities and specialized knowledge in key areas such as Operations Management and Strategy & Organization. The curriculum combines rigorous conceptual training with applied learning in areas like business analytics, digital transformation, sustainability, and consultancy, enabling students to address complex organizational challenges and translate insights into practical solutions. Graduates are prepared for analytical and specialist roles in industry, consulting, and the development sector, while also being well positioned for academic pathways including research, teaching, and PhD studies.

Master of Science (MS) Marketing

Program Director: Dr. Ashar Saleem

The MS Marketing Program develops deep domain expertise and strong analytical capabilities in marketing and consumer insights. The curriculum integrates a rigorous conceptual foundation with applied learning in areas such as consumer insights, digital and social media marketing, advertising analytics, retail analytics, and neuroscience in marketing, enabling students to analyze market behavior and generate data-driven strategic insights. Graduates are prepared for analytical and specialist roles in areas such as marketing analytics, brand strategy, consumer insights, and consulting, while also being well aligned with academic pathways including research, teaching, and doctoral studies. 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 that takes a pragmatic and applied approach to learning, enabling them to solve business problems realistically and identify opportunities and challenges while working in teams.

Academic Programs

SCHOOL OF ECONOMICS AND SOCIAL SCIENCES (SESS)

Bachelor of Science (BS) Economics

Program Director: Dr. Amir Jahan Khan

The BS Economics program is designed to provide students with a solid foundation in Economics and to prepare them for entry-level positions in the private and public sectors, development organizations, banks, investment firms, the education sector, and research organizations.

Bachelor of Science (BS) Economics & Mathematics

Program Coordinator: Dr. Amir Jahan Khan / Dr. Muhammad Sheraz

The BS Economics and Mathematics program contains fundamental components of two fields of study: Economics and Mathematics. The program prepares students for entry-level positions in private and public sectors, development organizations, banks, insurance companies, investment firms, education sector, and research organizations.

Bachelor of Science (BS) Social Sciences & Liberal Arts

Program Director: Yumna Fatima

The Bachelor of Science (BS) in Social Sciences and Liberal Arts is a 4-year interdisciplinary undergraduate program. It draws from and introduces students to various social sciences and humanities academic disciplines. 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 program offers concentrations in Psychology, Political Science, Media and Culture, History, Anthropology-Sociology, and Literary Studies.

Moreover, the Culminating Experience (CE) project can be completed by students in their final year of the program if they have a CGPA of 3.0 or higher and a minimum grade of A- in their Research Methods capstone project. The experience provides students an opportunity to carry out original research projects of their own. Students further choose a foreign language to study for two semesters and complete two different summer internships, one on social service and the other focusing on research skills or corporate exposure.

Bachelor of Science (BS) Economics & Data Science

Program Coordinator: Dr. Amir Jahan Khan

The BS Economics and Data Science program integrates economic theory with data science, machine learning, statistical programming, and big data analysis. It prepares students for entry-level roles in private and public sectors, fintech firms, development agencies, banks, research organizations, and institutions.

BS (Economics), BS (Economics and Mathematics) and BS (SSLA) students can pursue a minor in Urban Studies, Literary Studies, Computer Science, Data Science & Software Engineering as offered by Department of Social Sciences and Liberal Arts, SSLA and Department of Computer Science, SMCS.

Master of Science (MS) Development Studies

Program Director: Dr. Arslan Waheed

MS Development Studies is an interdisciplinary 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 accommodating varied local and grassroots responses to regional or global development processes and rationalities

Master of Science (MS) Economics

Program Director: Dr. Faiz Ur Rehman

The MS Economics program provides a comprehensive foundation in economic theory, quantitative methods, and practical applications, equipping economists for effective policy planning and analysis. Aligned with international standards, the curriculum emphasizes applied economics to meet the growing demand for skilled analysts. Graduates will acquire the expertise necessary for careers in academia, research, corporate entities, government, and multinational corporations.

Master of Science (MS) Journalism

Program Director: Dr. Arslan Waheed

MS Journalism at the Center for Excellence in Journalism at IBA offers a 1.5-year program that allows students to immerse themselves in all forms of journalism - digital, audio, and video - and acquire hands-on experience in a newsroom under the guidance of experienced instructors. The up-to-date syllabus, which has been adapted, keeping the current global situation in mind, reflects new media trends and practices.

Master of Science (MS) General Psychology

Program Director: Dr. Arslan Waheed

Psychology has applications in diverse areas of health and social care, the educational sector, business and corporate, human resources, and marketing. IBA is offering an MS in General Psychology for the first time. We aim to offer our postgraduate students an academic program that serves as a solid foundation for their future careers and development within the field of psychological sciences. The program will help students develop transferable skills that potential employers could utilize, including research methodology and ethics. The purpose of developing a Masters program aligns with IBA's vision of becoming a center of academic excellence. The program will be taught by experienced and distinguished faculty with well-established research and clinical portfolios to mentor students in developing scientific skepticism, critical thinking, and reasoning.

Doctor of Philosophy (PhD) Economics

Program Director: Dr. Faiz Ur Rehman

The fully funded PhD Economics program provides comprehensive training in economic theory, quantitative methods, and practical applications. Focused on theory and practice, the curriculum meets the demands of economists in policy planning, analysis, and forecasting for both public and private sectors. The program complies with international standards and ensures an intellectually stimulating experience, preparing graduates for impactful research and diverse career opportunities in academia, research, corporate entities, government, and multinational corporations.

Academic Programs

SCHOOL OF MATHEMATICS AND COMPUTER SCIENCE (SMCS)

Bachelor of Science (BS) Computer Science

Program Director: Dr. Imran Rauf

The Bachelor of Science (BS) in Computer Science is a comprehensive 4-year degree designed to develop skilled professionals with strong problem-solving capabilities in Computer Science (CS) and related fields. This program also prepares students for roles in research and development. The curriculum consists of 135 units, distributed as follows: general education (19 units), CS core courses (56 units), CS electives (21 units), program core courses (21 units), and general electives (9 units). The program's core and general elective courses are from supporting disciplines such as Mathematics, Statistics, Physics, Accounting, Economics, Finance, Human Resource Management, Marketing, Management, and Social Sciences & Liberal Arts. This diverse selection of core and elective courses is carefully structured to give students the flexibility to pursue a professional career path that aligns with their interests.

Bachelor of Science (BS) Mathematics

Program Coordinator: Dr. Muhammad Sheraz

Bachelor of Science (BS) Mathematics is a 4-year degree program. This program uniquely offers the opportunity to earn a concentration in allied areas of science while adhering to the core of mathematics. The flexibility and diversity that this scheme offers students in mathematics aligns with the current standard structure of the BS-Math programs worldwide, while keeping in line with HEC guidelines. Regular academic and professional career development guidance is available to students to help them cope with the challenges more effectively.

Master of Science (MS) Computer Science

Program Director: Dr. Atif Tahir

The Master of Science (MS) in Computer Science (MSCS) program offers students with a Master's degree in CS with an opportunity to advance their academic and professional skills in specialized CS areas: Artificial Intelligence, Information Systems, Networking and Computational Theory. The curriculum ensures graduates can think critically, creatively develop technology-based state-of-the-art solutions, and independently analyze systems and emerging problems. The program also prepares students for research, equipping them with foundational knowledge and research potential required for advanced doctoral studies pursuits. Through a combination of advanced coursework focusing on cutting-edge industrial trends, practical course projects, and mentorship from experienced faculty, the MSCS program enables graduates to excel professionally in academia, industry, and research environments.

Master of Science (MS) Data Science

Program Director: Dr. Atif Tahir

The Master of Science (MS) in Data Science (MSDS) program prepares students to extract valuable insights from data using state-of-the-art methods rooted in Artificial Intelligence, Machine Learning, Business Intelligence and Big Data Analytics. Particularly, it offers an easy transition and a boost for students coming from a non-CS background. The students learn concrete, theoretical, state-of-the-art data science skills along with aggressive practical training in courses. The focus here is on software design, big data management on the cloud, insights extraction, AI-based development and ethics, along with solutions for complex analytical issues in the industry. In this way, the graduates become capable of revolutionizing industry with AI and data science initiatives.

Master of Science (MS) Mathematics

Program Coordinator: Dr. Abdul Majid

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

Master of Science (MS) Artificial Intelligence

Program Coordinator: Dr. Atif Tahir

The MS in Artificial Intelligence (MSAI) at IBA-SMCS provides a strong interdisciplinary foundation in machine learning, data analytics, and software development. It accommodates both CS and non-CS graduates (via foundation courses) and offers flexible electives like deep learning and computer vision. The program builds critical thinking and practical skills, preparing graduates for data-driven roles in industry.

Doctor of Philosophy (PhD) Computer Science

Program Director: Dr. Atif Tahir

The PhD in Computer Science program encourages graduate scholars to make significant contributions to their field through original research. It offers specializations in artificial intelligence, computer vision, data science, and theoretical computer science. The program develops candidates' professional and research competencies, enabling them to gain recognition from national and international employers. Scholars are expected to immerse themselves in research, adhering to the institute's strong and vibrant research culture.

Doctor of Philosophy (PhD) Mathematics

Program Coordinator: Dr. Abdul Majid

AA PhD in Mathematics aims to polish the individual's skills in 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.

Minor in Computer Science & Related Disciplines

Students pursuing majors in fields other than computer science can complement their studies by choosing from a range of minor options, including:

- Data Science
- Computer Science
- Software Engineering

For more details, please refer to page 92.

Deans & Chairpersons

DEAN - SCHOOL OF BUSINESS STUDIES

DR. ABDULLAH Z. SHEIKH

PhD (Human Resource Management), University of Nottingham, UK

DEAN - SCHOOL OF ECONOMICS AND SOCIAL SCIENCES

DR. YAQOOB KHAN BANGASH

D.Phil Modern History, University of Oxford

DEAN - SCHOOL OF MATHEMATICS AND COMPUTER SCIENCE

DR. SHAKEEL AHMED KHOJA

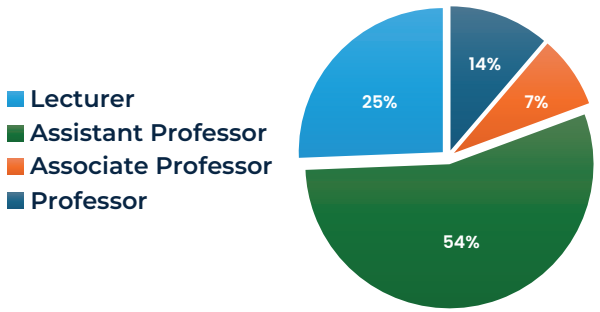
PhD (Computer Science), (Post-Doc Fellowship), University of Southampton, UK

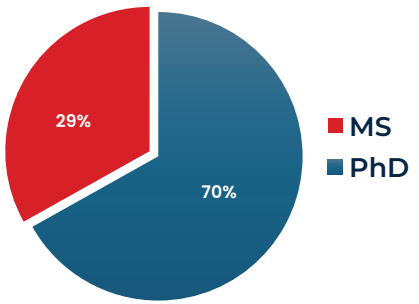
Chairperson, Accounting and Law	*Chairperson, Computer Science*	*Chairperson, Economics*	*Chairperson, Finance*	*Chairperson, Management*	*Chairperson, Marketing*	*Chairperson, Mathematical Sciences*	*Chairperson, Social Sciences & Liberal Arts*	*Chairperson, Business Analytics*
								
Dr. M. Asif Jaffer	Dr. Shahid Hussain	Dr. Wali Ullah	Dr. Hilal Anwar Butt	Dr. Sahar Awan	Dr. Ubedullah Khoso	Dr. Amir Bashir	Dr. Farhan Siddiqi	Dr. Khurum Nazir Junejo

FULL-TIME FACULTY AT A GLANCE

PhD (Foreign)	PhD (Local)	Masters (Foreign)	Master (Local)	Total
105	21	25	27	179

Pursuing Higher Education (Abroad)	Pursuing Higher Education (Local)	Total
12	07	19





Fee Structure 2026-27

FALL 2026
INTAKE

UNDERGRADUATE PROGRAM

Particulars	BBA & BS Programs
Tuition fee (per credit hour) (Fall-26 Intake)	PKR 31,500/-
Student activity charges	PKR 7,000/-

MS PROGRAMS (COMPUTER SCIENCE, MANAGEMENT, MATHEMATIC & ECONOMICS, DATA SCIENCE, FINANCE, MARKETING, ISLAMIC BANKING & FINANCE AND ARTIFICIAL INTELLIGENCE)

Particulars	Full-Time Programs	Part-Time Programs
Tuition fee (per credit hour) (Fall-26 Intake)	PKR 34,850/-	PKR 32,550/-
Student activity charges	PKR 7,000/-	-

Note: The MS programs in Development Studies, Journalism, and General Psychology will be offered with a 20% tuition fee discount for the financial years 2025-26, 2026-27, and 2027-28.

MS PROGRAMS (DEVELOPMENT STUDIES, JOURNALISM AND GENERAL

Particulars	Full-Time Programs	Part-Time Programs
Tuition fee (per credit hour) (Fall-26 Intake)	PKR 24,800/-	PKR 24,800/-
Student activity charges	PKR 7,000/-	-

Note: The MS programs in Development Studies, Journalism, and General Psychology will be offered with a 20% tuition fee discount for the financial years 2025-26, 2026-27, and 2027-28.

MBA-MORNING PROGRAM

Particulars	
Tuition fee (per credit hour) (Fall-26 Intake)	PKR 47,500/-
Student activity charges	PKR 7,000/-

Note: The MBA Program Fee of Rs. 2,850,000 shall be payable in four equal installments of Rs. 712,500 each. The installments will be charged at the time of admission and at the commencement of the 2nd, 3rd, and 4th semesters, respectively.

EXECUTIVE MBA PROGRAM

Particulars	Executive
Total Program Cost (Fall-26 Intake)	PKR 4,000,000/-

Note: A Executive MBA program has been introduced in Fall 2025. Under the fee structure, students are required to pay 30% of the tuition fee within two weeks of receiving the admission offer, 30% within the first six months of enrollment, and the remaining 40% at the beginning of the second year.

ONE-TIME CHARGES

Particulars	Executive
Admission charges (for all programs)	PKR 125,000/-
BOP/AIM (for all graduate programs)	PKR 50,000/-

HOSTEL FEE (PER SEMESTER)

	Particulars	Amount in (PKR)
Room Type	Without AC -Single occupancy	133,600/-
	Without AC - Double occupancy	128,600/-
	Without AC - More than 3 occupancy	126,400/-
	AC room – Single occupancy	147,000/-
	AC room – Double occupancy	142,000/-
	AC room – More than 3 occupancies	138,000/-

Note:
The fees for the Summer Semester for Hostel residents who wish to stay during the summer for various reasons will be charged on prorate basis.
Utility Charges For A/C Room will be applied separately at actual basis and on prorata basis.

TRANSPORT FEE (PER SEMESTER)

Distance	Amount in (PKR)
(0 - 20 km)	54,000/-
21 - Onwards	78,000/-

Notes:
Sindh Sales Tax on Services (SST): A 3% Sindh Sales Tax on Services (SST), where applicable under the prevailing government regulations, will be charged in addition to the tuition fee and other applicable charges.
Program Fee Structure: The above fee breakdown is applicable to Year 1 and is based on the per credit hour rate approved for FY 2026–27.
Annual Fee Revision: IBA fees are generally announced once every academic year. However, the Institute reserves the right to revise its policies, fee structure, and other charges at any time without prior notice.
Applicable Charges: All fees, taxes, and charges are subject to change in accordance with applicable laws, regulatory requirements, and institutional policies.
Tax Liability: Any present or future taxes, duties, levies, or government-imposed charges applicable to educational services shall be borne by the student and charged accordingly.

Financial Assistance Program

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.

PKR 1057 Million	Granted between 2025–2026	Around 745	Students benefited from the installment plan in the academic year 2025-2026	43%	of Students Received Financial Aid in the academic year 2025-2026	Around 155	Students benefited from Qarz-e-Hasna facilities in the academic year 2025-2026

Financial Assistance Packages

The Financial Assistance Packages include the following:

Fee Installments

Only Full-time students enrolled in undergraduate and graduate morning programs who are facing short-term financing constraints and cannot pay the entire semester fee at the beginning of the semester can apply for the fee installment plan.

Installment for the semester fee

- In principle, tuition fee for each semester will be payable at the start of each semester. The students who are unable to pay the full fee can avail themselves of the installment method of payment through a prescribed application.
- The students can be allowed to pay fee in two or a maximum of three installments as per the Terms and conditions mentioned in the Installment Form. These installments must be paid within the same semester period.
- The fee installment plan can be availed for active semester fee only. Installment of fee arrears or defaults is not permissible under this option.
- Fee installment will be allowed after need assessment (i.e., subject to approval).
- Fee installments can be applied for here: https://www.iba.edu.pk/installments.

Deferment of 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 of 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 students may also be directed to avail themselves of other options in the 'Financial Assistance Packages'.
- If no other options are available and circumstances are necessary, the Director of Financial Assistance may defer the fee payment to a certain date.
- If a student is unable to pay the fee in full, then as a first step, students would have to submit an affidavit on Rs. 100 stamp paper for settlement by the defer 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 final examination of that semester

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 Zakat and valuable support from public and private sector donors.

Upon submission of need-based scholarship forms by students, the IBA facilitates by providing 'bridge financing' till the applicants are successfully connected with the Public or Private sector scholarship donor and Zakat funds.

Bridge Financing

Bridge Financing is a short-term financial assistance mechanism designed to ensure uninterrupted continuation of studies until donor funding is secured.

- Assistance may range from 25% to 90% of the applicable tuition fee.
- The level of support is determined based on financial need assessment.
- The Financial Assistance Committee (FAC) grants approval.

Eligibility

For Undergraduate Students:

- Only full-time students enrolled in morning programs, who are facing financial constraints and cannot manage to pay fees through other financial assistance options, such as fee installments and Qarz-e-Hasna, may apply for need-based scholarships.
- Applicants can apply for financial assistance to cover their tuition fees for the Fall and Spring semesters.
- Financial assistance will be provided on a course basis up to eight consecutive semesters from the first date of admission in the first program. The repetition of courses for grade improvement or otherwise, and previously withdrawn courses or deficiency courses, are not covered under need-based scholarships.
- To maintain Financial Assistance (FA), student must achieve a minimum CGPA of 2.5. If the CGPA falls below 2.5 after the Fall semester, the Financial Assistance will not continue for the Spring semester.

For Graduate Students:

- Financial assistance will be provided for graduate students for the duration of the course mentioned in the Program Announcement, except for EMBA and MSJ.
- Graduate students must take a full load of courses and should not freeze any semester throughout their graduate studies.
- The repetition of courses for grade improvement or previously withdrawn courses is not covered under need-based scholarships.
- To maintain Financial Assistance (FA), student must achieve a minimum CGPA of 2.5. If the CGPA falls below 2.5 after the Fall semester, the Financial Assistance will not continue for the Spring semester.

Additional Requirements:

Submission of income tax returns is a mandatory requirement for all earning members of the applicant's family, except for residents of Gilgit-Baltistan, which is a tax-exempt region.

Submission of Application

- All applications must be submitted within the specified dates.
- Applicants are required to fill in and submit the complete application form online.
- Applicants must upload scanned copies of all required supporting documents along with the application form. Applications with incomplete information or missing documents will not be processed.
- A checklist of the required documents is provided in the prescribed application form.
- Applicants are advised to consult their parents or guardians before submitting the application form and supporting documents.
- For new admissions, bridge financing is available at the time of admission only. Ongoing students are required to re-apply for financial assistance when announced, within the specified dates mentioned on the website, for reassessment and continuation of support.
- Only those financial assistance applications that are submitted within the stipulated period will be considered for bridge financing or scholarships.

Financial Assistance Program

Application Review and Approval Process

- The submitted application forms and supporting documents are scrutinized by the Financial Assistance (FA) Committee, comprising senior faculty and staff members.
- The Committee determines the applicants' level of financial need based on established criteria.
- Applicants may be required to appear for an interview if deemed necessary by the Financial Assistance Committee.
- The FA Committee may call the students or their parents/guardians to verify the submitted documentation as well as the declared income and expense details.
- The IBA reserves the right to verify all information provided by the candidates. The FA Committee may also conduct personal visits during the verification process if required.
- Scholarship awards are subject to the availability of funds and the Committee's approval.
- Once the application is approved, IBA provides "bridge financing" until the applicants are matched with external donors.
- It is mandatory for all financial assistance recipients to apply for externally funded scholarships recommended by the IBA Financial Assistance Office. Failure to comply will result in the discontinuation of bridge financing.
- Any student who directly approaches an IBA donor will be subject to disciplinary action.
- Submission of false, fabricated, or AI-generated documents or information will result in the immediate discontinuation of Financial Assistance, and strict disciplinary action may be taken in accordance with IBA policies.

In case of providing false information:

- The financial assistance award will be revoked, and the student will be disqualified from future financial assistance or loan applications.
- The student must immediately refund all received financial assistance and/or pay a penalty equal to the total awarded amount.
- Misrepresentation may lead to termination of admission from the program.
  For queries, students may contact: financial-aid@iba.edu.pk

Notes:
It is mandatory for all students to re-apply annually or upon completion of their financial assistance award period for continuation of assistance.

Facilities at IBA

Main Campus

The IBA Main Campus is spread over 57.5 acres of land for educational facilities, a residential complex, and boys' and girls' hostels. It is located within the premises of the University of Karachi and comprises around 30 Classrooms, 9 Seminar Rooms, 1 VC Room, 6 Computer Labs, and 11 Breakout Rooms. These are housed in 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 conference facilities to boost the learning experience.

Other facilities at the Main Campus include:

- Gani & Tayub Auditorium (seating capacity of 300)
- Mian Abdullah Library
- Alumni Students' Center
- Khawar Butt Gymnasium for males and females
- Pepsi & Adamjee Cafeterias
- TPL Event Hall
- UBL Sports Complex
- Amphitheatre (seating capacity of 450)
- Daycare

Sports Facilities

The Department of Sports and Community Engagement (SP@CE), under the Office of Registrar, provides a platform to the IBA Community, including potential students, to maintain mental, physical, and social well-being and hone their talents through sports activities. SP@CE has several coaches that train students in various sports. Students are encouraged to participate in sports events and local, national, and international tournaments.

Outdoor sports facilities:

- Cricket Ground
- Football Ground
- Tennis Courts
- Basketball Court
- Volleyball, Throwball Court
- Netball and Handball Court
- Archery

Indoor sports facilities:

- Table Tennis
- Badminton Court
- Snooker, Foosball, Carrom, Chess and Ludo

Apart from these facilities, we also facilitate and provide opportunities for professional sports persons in any sports to participate at national and international level.

Gym Facility

The gym facility is available for all IBA students, staff, faculty, and alumni at both Main and City campuses. The separate gyms for girls and boys are well-equipped with different workout machines, enabling users to select various workout plans. Moreover, the gym instructor educates users about fitness and provides training to strengthen and maintain their physical health. Additionally, some essential gym equipment for the Visiting Faculty Residence (VFR) and boys' and girls' hostels is also available.

Breakout Rooms

- Abdul Razzak Tabba Building: 2
- Adamjee Academic Center: 9
- Society Offices in ASC: 4

ICT Services

- University Management System (UMS): Manages student records, admissions, and academics.
- IBA Student Mobile App: For schedules & attendance.
- Learning Management System (LMS): Supports online learning and collaboration.

FACILITIES AND INFRASTRUCTURE

Labs Details

- Library: 1 Hardware Lab
- Aman CED Building: 2 General purpose Computer Labs, 1 Finance Lab, 1 Hardware Lab and 1 Neuro Lab
- Abdul Razzak Tabba Building: 1 Computer Lab, 1 Big Data Science Lab, 1 Web Science Lab, 1 TRL Lab, 1 Robotic Lab, and 1 Game Lab
- Fauji Foundation Building: 1 Economy Growth & Forecasting Lab and 1 Physiology Lab.

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: 1 General Purpose Computer Lab.
- Faysal Bank Academic Block : 1 General Purpose Computer Lab.
- Habib Bank Academic Building : 2 General Purpose Computer Labs.
- 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)

Existing facilities include 15 Classrooms, 3 Seminar Rooms, 2 Lecture Theatres, 1 VC Room, 4 Executive Rooms for workshop and training sessions, and 5 Computer/ICT Laboratories. The campus houses the Centers for Excellence in Executive Education (CEE), Journalism (CEJ), Information and Communication Technology (CICT), Center for Entrepreneurial Development (CED), Office of Research Innovation Commercialization (ORIC) and Alumni Affairs, Resource Mobilization/Corporate Relations (ARC) offices at Aman Tower. Moreover, the HBL Building houses the incubations of the Center for Entrepreneurial Development (CED) and Islamic Finance (CEIF) offices.

Health Center

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 on campus.

IBA Cafeterias

The IBA cafeterias at the Main and City campuses cater to the needs of the institution's populace with hygienic meals, snacks, and refreshments that are available at affordable rates. To facilitate the IBA community, the management arranged some more food outlets:

Main Campus Cafeterias

- Adamjee Canteen
- Coffee Shop in the Library
- Student Center Cafeteria (Yellow Taxi Pizza, Student Biryani & Schakola)
- Kiosks (Bag N Bowl & Khaosu)

City Campus Cafeterias

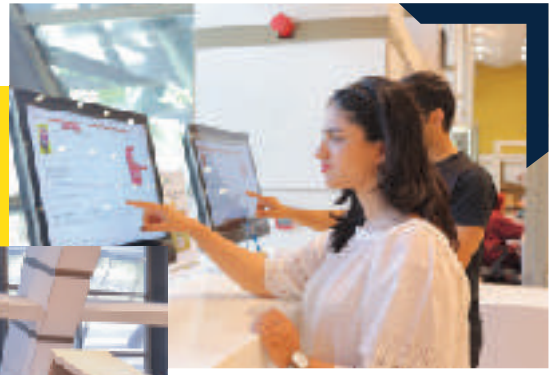
- Cafeteria Aman Tower, 5th floor
- Pepsi Cafeteria (ground floor parking area)
- Kiosks (The Crepery & Amanat canteen)

ATM and Banking Facilities

To cater to the banking needs of students, faculty, and staff members, both campuses are equipped with ATMs installed by HBL. Furthermore, several prominent bank branches are within walking distance of both campuses. IBA also installed ATMs for the Boys' Hostel, Girls' Hostel, and Staff Town to facilitate the community.

Library

IBA library supports teaching, learning, and research by providing high-quality information resources and user-centered services. Its collections are continuously enriched with books, case studies, electronic databases, and other scholarly materials, ensuring the library remains a dynamic hub for knowledge, discovery, and academic excellence.



Spaces

A stimulating environment conducive to learning is provided, with physical facilities designed to accommodate contemporary learning styles, including Scholars' and Collaborative Commons, individual study spaces, Research Commons, Faculty Commons, and a coffee shop.

Resources

Over 32 electronic databases provide campus-wide and remote access to premier full-text and market intelligence sources, including The New York Times, Financial Times, The Wall Street Journal, and LSEG Workspace for real-time financial data and analytics. The collection also features specialized research tools such as NVivo for qualitative analysis, SPSS for statistical research, EndNote for citation management, and Pakistan Law Site for legal research. The physical collection comprises 79,000 print volumes, including rare archival journals, with 1,500+ new titles added annually.

Services

A diverse range of innovative academic and research support services is provided through cutting-edge technologies. These include research consultations, research data support, citation and reference management, search assistance, literature searching, interlibrary loan, renewal support, document delivery, book recommendations and procurement, as well as access to self-service kiosks and scanners.

Information Discovery & Retrieval

The library uses a robust interface that simplifies information retrieval through a unified search tool for browsing the entire catalog. Its Discovery feature aggregates results from various sources onto a single page, making it easier to search for relevant information. Additionally, the library provides an easy-to-use interface for accessing and exploring all its digital journal subscriptions.

Research support, Engagement and Outreach

Research is supported through referencing consultations, database orientations, and on-demand documents. Engagement with the academic community happens through training sessions, referencing software installation and support, an active Research Commons, and events such as documentary screenings, displays for special days, and recognition of top readers. This approach strengthens the research environment and the library's role in academic scholarship at IBA.

Digital Literacy

Information Literacy and Information Management workshops are actively conducted, along with regular orientation sessions for students and faculty, to help users make informed decisions using all available information. These sessions build essential digital and research skills, enabling users to navigate academic resources efficiently and confidently.

Digital scholarship & Publishing

Through Institutional Repository, iRepository, institutional research, history, student scholarship, faculty publications, and events are archived and showcased, ensuring global accessibility to these materials, and highlighting the institution's impact. Digital archiving and publishing for the Business Review journal is also supported.

Connect with Us:

https://library.iba.edu.pk/
library@iba.edu.pk
https://www.facebook.com/ibalibrary/
https://www.instagram.com/iba_library/

Hostels for Boys & Girls

ON CAMPUS ACCOMMODATION

The IBA Karachi provides hostel facilities to its full-time, regular students from outside Karachi. Two hostels, one each for female and male students, are located within the premises of the 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 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 across Pakistan and other countries and bring with them diverse 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 IBA 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 warden. The hostel is located near the IBA campus with the facility of a regular shuttle service.

The hostels' residents 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 with a clean, hygienic and congenial environment to facilitate this brief but 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 residents to participate in numerous cultural, sports and social activities that are organized by the Hostel Society.

Facilities

- Air-conditioned common rooms and TV lounges
- Indoor gym
- Game room
- Badminton court
- Laundry room
- Multi-purpose rooms & outdoor green spaces for extra-curricular activities
- Air-conditioned dining halls
- High-speed Wi-Fi 6 internet facility
- Prayer room
- Subsidized laundry services
- Chilled water dispensers (potable water)
- 24-hour tuck shop/ vending machine
- 24-hour ambulance service
- On-campus healthcare facility
- On-campus mental wellness counselor

Boys Hostel

- Capacity: 469
- Single Occupancy Room: 425
- Shared Occupancy Rooms: 22

Girls Hostel

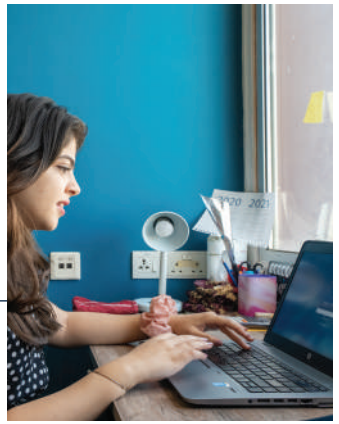
- Capacity: 266
- Single Occupancy Room: 06
- Double Occupancy Rooms: 127
- Triple Occupancy Rooms: 02

To apply for accommodation, Visit: https://onlineadmission.iba.edu.pk

Aman Tower - City Campus

Every room is equipped with two single beds, two cupboards, LED TV, an attached bathroom, and centralized air-conditioning.

- Capacity: 60
- Double Occupancy Rooms: 30



For queries, please contact:

Mr. Mujahid Hussain Detho
Manager Residential Facilities
mhussain@iba.edu.pk
Ext. 2015

Syed Rizwan Ali Bhukhari
Assistant Manager - Warden Boys Hostel
srbhukhari@iba.edu.pk
Ext: 2040

Ms. Mahwish Butt
Assistant Manager - Warden Girls hostel
mbutt@iba.edu.pk
Ext: 1817

Student Services

CAREER DEVELOPMENT CENTER

The IBA Career Development Center (CDC) aims to empower students throughout their academic journey for smooth transition to professional world. We provide essential support for career exploration, development, and placement. Our services encompass career counseling, internship facilitation, employability skill enhancement, and graduate school admissions guidance. By forging strong partnerships with industry and academia, the CDC bridges the gap between classroom learning and professional success, helping students identify and pursue fulfilling career path.

The primary objective of the CDC is to guide members of the IBA community to identify, understand, select, and achieve their career and higher education goals through programs and interventions that provide learning opportunities tailored to their individual needs.

Explore the CDC's suite of services designed to empower IBA students:

Personalized Career Guidance

Our career advisors offer one-on-one consultations to help students make informed decisions and map their ideal career paths. Appointments are scheduled through an online portal.

IBA Job Portal

This online platform connects students and alumni with employers for potential job opportunities. The portal also features graduate directory, updated annually and accessible to all employers. Employers can post vacancies, view graduate profiles, and connect with interested candidates. Over 1200 companies actively utilize the portal.

Classroom Connect

Partnering with faculty, the CDC organizes guest speaker sessions, workshops, and panel discussions featuring industry experts and experienced professionals. These sessions provide students with practical insights, bridging the gap between classroom learning and real-world practices. Faculty and industry experts are connected via an online portal.

Career Exploration Excursions

Throughout the year, the CDC organizes field trips in partnership with employers and organizations, enabling students to learn about different industries, network with respective experts, explore career opportunities, and tour facilities. Additionally, under 'Study Trips', the CDC facilitates faculty-led industry visits tailored to specific course needs.

Learning Resource Hub

This new online platform focuses on self-directed learning beyond academic interventions. It offers a comprehensive database of seminars, interactive talks, virtual and on-site training, skills-based workshops, and real-time simulation activities, equipping students with essential skills for today's workforce.

Social Impact Internships

All undergraduate students complete six weeks of social internships under the Responsible Citizen Initiative (RCI). Students partner with NGOs, community-based organizations, or other philanthropic initiatives during their summers. The CDC has established extensive partnerships to facilitate these placements.

Corporate Internship Program

Corporate Internships are mandatory for all undergraduates programs, MS Journalism and MS Psychology students. Students must complete a minimum of a 6-week internship program before enrolling for their senior years. The CDC facilitates connections between students and recruiters while helping students find suitable opportunities.

Streamlined Internship Documentation

After completing internship programs, students submit required documents (a report, certificate, and supervisor evaluation) through a convenient online application system. CDC maintains a record of all relevant internships for reporting and compliance purposes.

Online Recommendation Request System

Junior students can request general or customized recommendation letters for internship placements through the Student Facilitation System.

Annual Career Fair

This flagship event connects potential employers with emerging leaders. Students gain valuable networking and career exploration opportunities by interacting with over 160 participating companies. The Annual Career Fair also provides opportunities for final-year students to share their resumes and engage with mentors for possible career guidance.

On-Campus Recruitment

Throughout the year, the CDC hosts multiple recruitment drives where employers visit IBA campuses to conduct company presentations, interviews, assessments, and other activities. These events typically occur from January to May, targeting graduating students.

Student Services

CAREER DEVELOPMENT CENTER

Global Grad Explore

The CDC empowers students with information and resources for postgraduate studies. Their guest speakers, faculty members, and alumni covering themes like program selection, admission procedures, documentation, funding opportunities, and other application areas. The CDC also collaborates with organizations like Education USA and IDP to strengthen study fairs with various universities across the globe.

Experiential Learning Projects (ELP)

A mandatory four-month program for final-semester BBA and BS Accounting & Finance students. Working in groups, students conduct research, analyze issues, and develop solutions, gaining practical industry knowledge and exploring potential organizations. Visit https://elp.iba.edu.pk for more information.

Mentorship Programs

For student mentorship and 1-1 guidance, IBA leverages its strong alumni network through two flagship initiatives:

- Parvaaz Mentorship Program: A 4-month program pairing final year students with industry experts for a personalized semester-long guidance scheme.
- Maverick Mentorship Program: On-campus events where students can meet and connect with mentors one-on-one. These programs assist students in exploring career options and formulating personalized career plans.

Mock Interviews

The CDC provides opportunities for students to engage in on-campus mock interview sessions with industry experts, preparing them for their real-life experiences. These exercises, facilitated by industry experts, offer students valuable experience and help them improve their interview skills.

Graduate Profiles

The CDC publishes annual 'Profile Books' on the IBA Job Portal, showcasing graduating students' profiles to potential employers. Graduates can update their profiles regularly for optimal visibility during recruitment. Employers often seek potential candidates through graduate profiles available at our online portal.

Digital Media Presence

The CDC maintains active digital platforms (Facebook group and page, LinkedIn page, Instagram, and program-specific WhatsApp groups) to keep students and alumni updated on career development announcements, internships, jobs, and other relevant information.

ICLAB

IBA CDC hosts discussion forum annualy with industry experts as part of IBA-Corporate Leadership Advisory Board to strengthen input from employers for preparation of graduates. Each year with specific focus area defined, experts are invited to share their feedback and experiences with our schools such that our curriculum and students knowledge and skills are aligned with the market.

To connect with us, visit the following networks

Facebook Page: https://www.facebook.com/ibacdc.khi/
Facebook Group (restricted to IBA students and alumni): https://www.facebook.com/groups/ibacdc
Email: cdc@iba.edu.pk | teamcdc@iba.edu.pk
Instagram: https://www.instagram.com/ibacdc/
Website: https://cdc.iba.edu.pk

Message from the DEAN - Office of Student Success and International Engagement (OSSIE)

Maheen Ghauri
Dean - Office of Student Success & International Engagement (OSSIE)

As Dean - Student Affairs and International Student Exchange, I am delighted to welcome you all to the IBA Karachi. I am very excited to have you all on campus and look forward to getting to know you as you connect to the IBA community. As the Dean - Office of Student Success and International Engagement (OSSIE), my role is to ensure that your non-academic needs are met during your time here. My Office plays an integral role in community engagement, talent, skill development, and student leadership development; students are encouraged to participate in student-led clubs, societies, and the IBA Student Government (ISG). The Office of International Student Engagement (OISE) partners with international universities to provide students with exchange opportunities and other international collaborations to gain international exposure. By providing opportunities for students to get involved, develop new skills, and positively impact their community, we aim to enhance the overall student experience at the IBA Karachi.

We also support students through health and wellness programs and diversity and accessibility services and programs to foster a safe, welcoming, and inclusive environment at the IBA, where students can grow academically and personally.

As Dean - Student Affairs and International Student Exchange, I also believe in enriching your university experience by encouraging you to participate in mentoring, 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 fostering a culture of inclusion, mutual respect, and acceptance amongst the IBA community.

I look forward to meeting you all for an engaging and diverse experience!

Wishing you all the best!

OFFICE OF STUDENT SUCCESS AND INTERNATIONAL ENGAGEMENT (OSSIE)

The Office of Student Affairs at IBA is dedicated to creating an engaging and diverse experience for every student at the IBA Karachi. 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 acceptance with respect to diversity. It plays a pivotal role in promoting a safe, welcoming, and inclusive environment and campus life for students, especially for those who may be differently-abled or may have special needs – our job is to support students' individual and group needs and to endorse the value of a diverse society.

OSA also formed student-led committees: Marketing Committee and Events Committee. These committees work with OSA and ISG to organize and promote exciting and engaging events at IBA.

The Office of Student Affairs is a one-stop solution to address all student needs and queries. It directs them to the relevant schools and student support offices, including facilitating them with academic, career, mental health, or general counseling. For details, please visit: https://osa.iba.edu.pk/

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

Office of Student Societies (OSS)

The Office of Student Societies (OSS) believes in creating a culture of inclusiveness and promoting self-discovery and diversity through multiple student activities. OSS encourages students to try new things and participate in activities that enrich their lives outside of academics. Through these co-/extracurricular activities, students get involved in campus life and get to know themselves and others. The Office of Student Societies plays an integral part in the holistic development of the students when they participate in different activities on and off campus. There are 30+ Student Clubs/Societies that work under the umbrella of the Office of Student Societies. Through these societies, OSS sets a benchmark of commitment, trust, hard work, and leadership for all students. The Office of Student Societies caters to all domains of interest a student could pursue. If a club/society is unavailable, students can request OSS, and a committee will look into it.

For details, please visit: https://osa.iba.edu.pk/oss/

IBA Student Government (ISG)

The IBA Student Government (ISG) is a representative body that serves as the voice for the student body. Comprised of elected representatives from each of the three schools at the IBA, the student government plays a crucial role in shaping the student experience by advocating for the needs and concerns of the students to the administration and faculty.

The student government also engages with the student body and organizes various events and initiatives throughout the year, including the graduating batch farewell and incoming students' welcome.

For details, please visit: https://osa.iba.edu.pk/oss/isg.php

Office of International Student Engagement (OISE)

The Office of International Student Engagement (OISE), operating under the Office of Student Affairs (OSA), enhances students' academic journey by providing opportunities to extend their learning and international exposure. Through partnerships with global universities, the OISE facilitates semester and summer exchange programs that immerse students in diverse classroom environments, develop transferable skills, and expand cultural and professional networks.

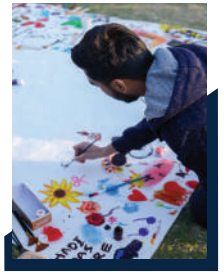
Additionally, the OISE offers various services to facilitate and support students in going abroad for exchange, conferences, competitions, and more. It also welcomes students, professionals, and academics from various fields to engage in IBA Karachi's student research initiatives. Committed to global academic excellence, the OISE strengthens transnational education, fosters student and faculty exchanges, promotes international student recruitment, and drives student entrepreneurial collaborations.

For further details: https://osa.iba.edu.pk/oise

Health and Wellness Center

The Health and Wellness Center at IBA provides our students with comprehensive mental health support at multiple levels. IBA prioritizes the mental health of its students as much as their physical health. Counseling is a supportive process that helps individuals address their emotional, social, psychological, and physical challenges at different stages of life. For Wellness Counseling, please see the link below and make an appointment with our dedicated team of Clinical Psychologists/Wellness Counselors and a Psychiatrist by selecting an available slot on our website.

We encouraged the students to visit our website at https://healthandwellnesscenter.iba.edu.pk/ or contact Health and Wellness Center, Martin Dow.



OFFICE OF STUDENT SUCCESS AND INTERNATIONAL ENGAGEMENT (OSSIE)

Office of Diversity Accessibility and Inclusion (ODAI)

ODAI believes and works on the premise that every student is unique and has a diverse background. 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.

For further details: https://osa.iba.edu.pk/odai/

Student Skill Development Program

The Office of Student Affairs (OSA) provides IBA students with diverse opportunities to enhance their skills and prepare for future success. Our Student Skill Development Program aims to empower students by equipping them with the professional, technical, and interpersonal skills required to thrive in today's competitive world. We believe in the transformative power of hands-on learning, where students gain expertise in their academic fields and develop essential life skills such as leadership, communication, and problem-solving.

Through a wide range of workshops, mentorship programs, and industry collaborations, our Skill Development Program creates a platform for personal & professional growth. This initiative enables students to explore their potential, build confidence, and establish strong networks.

For further details: https://osa.iba.edu.pk/ssdp

Student Volunteering Program

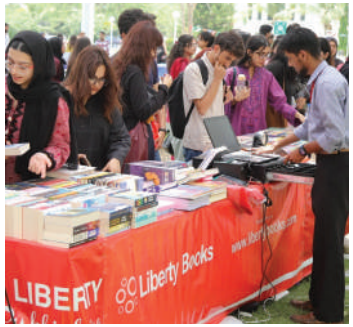
The student volunteering program provides a platform for IBA students to have volunteering opportunities both on and off campus. IBA believes in the power of giving back to the community and making a positive impact. This program provides an opportunity for students to engage in meaningful volunteer work, connect with like-minded individuals, and develop valuable skills while creating positive change.

From tutoring local children to participating in environmental cleanup projects, there are countless ways for students to get involved and contribute to the community.

Student Volunteering Program helps students to learn new skills that are of value both academically and professionally. It also teaches them life skills, including building a sense of responsibility & work ethic.

For further details: https://osa.iba.edu.pk/svp

Activities Studio



Activities Studio

IBA SBS School of Business Studies

70 YEARS & BEYOND

Leadership ▪ Excellence ▪ Impact

AACSB ACCREDITED

School of BUSINESS STUDIES

Message from the

DEAN - School of Business Studies

Dr. Abdullah Z. Sheikh
Dean - School of Business Studies

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 liaise 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 provides 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 robustly 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 & commercialization remain at the heart of the process where faculty, students and corporate leaders engage purposefully to create unique constellations to solve indigenous and global challenges.

Overview of Departments

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 that 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 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.

Department of Accounting and Law

The programs offered at the Department of Accounting and Law provide conceptual and practical knowledge that enables our graduates to successfully find solutions and navigate their way in today's challenging market. The department's faculty, who are professional accountants, academics, and lawyers with extensive practical experience, focus on imparting contemporary knowledge through practical problems and cases.

Department of Finance

The Department of Finance offers a variety of courses to inculcate financial decision-making skills in students. The department is dedicated to developing and maintaining a curriculum integrating information technology, ethics and sustainability. The diverse faculty of the department contributes to impactful research and regularly engages with the business community for experiential learning of the students, knowledge creation and continuous improvement of the curriculum.

Department of Management

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

Department of Marketing

Our students are propelled from the basic to more critical and specialist levels at the Department of Marketing. The courses help students learn about the traditional and the most recent advances in marketing using local and international case studies, simulations, and other experiential exercises. Students can connect marketing theory with practice and are prepared for a career across any industry.

Programs on Offer

School of Business Studies

S.No	Information	Bachelor of Business Administration (BBA)	Bachelor of Science (BS) Accounting and Finance	Bachelor of Science (BS) Business Analytics	Master of Business Administration	Executive MBA	Master of Science (MS) Marketing	Master of Science (MS) Islamic Banking & Finance	Master of Science (MS) Management	Master of Science (MS) Finance
1	Admission requirement	Higher secondary school certificate with a minimum of 65% marks or A Level with an average of 2Bs and 1C in 3 principal subjects (*check below table for points details) 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 with a minimum of 65% marks or A Level with an average of 2Bs and 1C in 3 principal subjects (*check below table for points details) 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 with a minimum of 65% marks or A Level with an average of 2Bs and 1C in 3 principal subjects (*check below table for points details) 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.	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 a 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered if CGPA is not available. (Minimum 3 years of post qualification professional work experience is mandatory). Note: All international certificate/-degree holders must provide an equivalency certificate from IBCC/HEC.	A minimum of 16 years of qualification out of which 4 years should have been spent in an HEC-recognized university/ degree awarding institution with: A minimum of 60% aggregate marks (Percentage is only considered if CGPA is not available) or a minimum of 2.50 CGPA on a scale of 4.00 (as applicable) and 5 years of post qualification managerial experience. Note: All international certificate/-degree holders must provide an equivalency certificate from IBCC/HEC.	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 a 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered if CGPA is not available. All equivalency claims shall be evaluated by the HEC. Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.	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/de-gree 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 if CGPA is not available. All equivalency claims shall be evaluated by the HEC. Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.		
2	Aptitude Test Component	■ English composition (MCQs) ■ Mathematics (MCQs)			The admission test follows a GMAT style format asessing verbal, quantitative, analytical skills and essay writing	■ Case Analysis	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Essay writing	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Essay writing/Finance (MCQs)		
3	Aptitude Test Difficulty Level	SAT-I			GMAT/GRE		GRE general and GMAT			
4	Aptitude Test Exemption**	Refer to the next page			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) or 600 score in GMAT	160 in quantitative and 150 in verbal GRE (int'l) or 600 score in GMAT		Minimum 650 score in Quant. GRE, 160 in Revised Quant. GRE, or 600 Score in GMAT
5	Student Profile	Avg. age: mid 19			Avg. age: 20s	Avg. age: mid 30's Avg. work experience: 10 years	Avg. age: mid 20s			
6	Graduation Requirement	132 credit hours, which includes 43 courses, responsible citizen initiative (RCI), corporate internship and ELP Personal Effectiveness Course (PE)			18 courses, 1 project, 60 credit hours, duration 24 months	17 core courses 1 Capstone course 1 Capstone project 60 credit hours	5 core courses, 5 electives (30 credit hours), Thesis/ project/additional electives (6 credit hours) Total 36 credit hours	7 courses, 3 electives, (30 credit hours), Thesis/ project/ additional electives (6 credit hours) Total 36 credit hours	6 courses, 4 electives, (30 credit hours), Thesis/ project/ additional electives (6 credit hours) Total 36 credit hours	7 courses, 3 electives, (30 credit hours), Thesis/ project/ additional electives (6 credit hours) Total 36 credit hours
7	Fees	Click here to view the fee structure: : https://www.iba.edu.pk/fee structure.php								
8	Classes Start	AIM (July) Block Teaching (August)								
9	Duration	4 years Full Time			2 Years	2 Years	1.5 Years			
10	Campus	Main/City			Main/City		Main/City			

11* A Level Grade Requirements

Minimum Subjects	SBS Requirement	Grade Acceptance	A/A*	B	C	D
At least three subjects	Avg. 2 Bs & 1 C (min. 8 points)	E/U not accepted. A maximum of one D grade allowed.	4 Points	3 Points	2 Points	1 Points

Criteria for

IBA Aptitude Test Exemptions

BBA, BSAF, BSBA, BSCS, BSMT, BSECO, BSSS & BSEM - SAT 1

- Direct admission or qualification for an interview based on SAT scores is not guaranteed. There is no minimum SAT score required for aptitude test exemption, and only the top SAT scorers in the SAT merit list will be granted direct admission or called for an interview.

  While you may choose to skip the IBA's aptitude test if you're confident in your SAT performance, we strongly encourage all candidates to take the IBA test to improve their chances of admission. If you skip the IBA aptitude test and apply solely based on your SAT scores and do not qualify for direct admission or an interview as per merit list, you will be placed on the list of unsuccessful candidates. The SAT merit list will be compiled and announced along with the IBA aptitude test result.

  Therefore, if you believe your SAT score is not among the top, we recommend appearing for the aptitude test as well.

BBA program– ACT	BSAF, BSCS, BSECO, and BSEM program – ACT
■ A Composite Score of 29 (out of 36) ■ An English / Writing Score of 25 (out of 36)	■ 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

Bachelor of
BUSINESS ADMINISTRATION (BBA)

The Bachelor of Business Administration (BBA) is a full-time 132 credit hours AACSB accredited program comprising four years of rigorous education, which allows the student to have a broader view of the business world. The academic program emphasizes the essentials of business subjects and introduces students to the basic knowledge of Social Sciences, Mathematics, and Computer Sciences during their freshman and sophomore years. All BBA students are required to enroll in Personal Effectiveness, a series of mandatory non-credit courses that build and enhance soft skills and help in the personality development of students.

Although no formally labeled Specializations exist, students can opt for any combination of electives from Marketing, Business Analytics, Accounting, Finance, Supply Chain, Human Resource Management (HRM), and Entrepreneurship.

Program Structure	Courses
Time to Completion	4 years
Semesters	8
Core Courses	31 (87 Credit hours)
Elective Courses	13 (39 Credit hours)
Experiential Learning Project (ELP + Corporate Internship (6-8 weeks)	1 (6 Credit hours)
Total Courses	44+ELP
Total Credit Hours	132
Responsible Citizen Initiative (RCI)	1
Personal Effectiveness Program (Non-Credit)	10 hours

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Program Learning Competencies

- **Knowledge of Business & Management**
  Students will be able to demonstrate a foundational understanding of core business functions.
- **Critical Thinking and Problem-Solving**
  Students will be able to analyze and evaluate information in a business context critically.
- **Communication and Teamwork**
  Students will be able to communicate effectively and collaborate within teams to achieve desired objectives.
- **Ethical Awareness and Social Responsibility**
  Students will be able to analyze ethical dilemmas and understand legal and regulatory frameworks in business.
- **Technology and Information Literacy**
  Students will be able to leverage technology and information resources to analyze data and communicate effectively in a business context.

Breakdown of Credit Hours Course Category	Courses	Credit Hours
General Education Courses	12	30
Allied Courses	4	12
Business Core Courses	15	45
Business Elective Courses	10	30
Free Electives	3	9
Total Required Coursework	44	126
Experiential Learning Project + Corporate Internship		6
Total Credit Hours		132

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Microeconomics	ECO101	3	-	Allied
2	Psychology of Business	BUS101	2	-	General Education
3	Introduction to Computer Applications	CSE103	3	-	General Education
4	Principles of Accounting	ACC111	3	-	Business Core
5	Speech Communication	HUM201	3	-	General Education
6	Introduction to Statistics	MTS102	3	-	General Education
7	Principles of Philosophy	BUS103	2	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Macroeconomics	ECO111	3	-	Allied
2	Introduction to Business Finance	FIN201	3	-	Business Core
3	Financial Accounting	ACC201	3	ACC111	Business Core
4	Pakistan History	SSC153	2	-	General Education
5	Calculus 1/College Algebra*	MTS101	3	-	Allied
6	Fundamentals of Entrepreneurship	MGT103	2	-	General Education
7	Business, Ethics and Society	MGT104	2	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Islamic Studies	SSC152	2	-	General Education
2	Management and Organizational Behavior	MGT221	3	BUS 101	Business Core
3	Foundations of Sustainable Development	HUM362	3	-	General Education
4	Statistical Inference	MTS202	3	MTS102	General Education
5	Principle of Marketing	MKT201	3	-	Business Core
6	Financial Institutions & Market	FIN301	3	-	Business Core

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Business Math and Linear Algebra	MTS212	3	MTS101	Allied
2	AI in Business	-	3	-	Business Core
3	Financial Management	FIN401	3	FIN201	Business Core
4	Business Law	LAW205	3	-	Business Core
5	Human Resource Management	MGT351	3	MGT221	Business Core
6	Business Communication	MGT211	3	-	General Education

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Management Accounting	ACC381	3	ACC111	Business Core
2	Methods of Business Research	MKT301	3	MKT201, MTS102	Business Core
3	Business Elective 1	-	3	-	Business Elective
4	Production & Operation Management	MGT311	3	-	Business Core
5	Business Elective 2	-	3	-	Business Elective

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Marketing Issues in Pakistan	MKT401	3	MKT201	Business Core
2	Business Elective 3	-	3	-	Business Elective
3	Business Elective 4	-	3	-	Business Elective
4	Managerial Policy	MGT430	3	FIN201,MKT201, ACC201,MGT 221	Business Core
5	Free Elective 1	-	3	-	Free Elective

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Business Elective 5	-	3	-	Business Elective
2	Business Elective 6	-	3	-	Business Elective
3	Business Elective 7	-	3	-	Business Elective
4	Business Elective 8	-	3	-	Business Elective
5	Free Elective 2	-	3	-	Free Elective

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Free Elective 3	-	3	-	Free Elective
2	Business Elective 9	-	3	-	Business Elective
3	Business Elective 10	-	3	-	Business Elective
4	Experiential Learning Project (ELP)	-	6	-	Capstone Project

Important Note: Students without Maths background will have to study College Algebra.

Business Electives

Students select 10 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, BA and SCM), subject to fulfillment of prerequisites. The list of course offerings differ from semester to semester, and students can find the current offerings on the website or with the relevant program offices.
The list of elective course offerings: https://bba.iba.edu.pk/undergraduate-program.php

Free Electives

Students must choose three electives as free elective courses from any discipline offered by any school at the IBA. These courses must not be the same or equivalents of the core courses in the program. List of course offerings differ semester to semester and students can find the current offerings on the website or with the relevant program offices.

Bachelor of Science (BS)
ACCOUNTING AND FINANCE

The Bachelor of Science (BS) in Accounting and Finance is a full-time 132 credit hours AACSB accredited program comprising 4-year of rigorous education. The program is designed to provide an exclusive opportunity for students to receive a specialization in Accounting and Finance. The graduates of this program obtain multiple exemptions from the Institute of Chartered Accountants of Pakistan (ICAP) and the Association of Chartered Certified Accountants (ACCA). Furthermore, the 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 on relevant websites and secretariats of these institutions.

Program Structure	Courses
Time to completion	4 years
Minimum Regular Semesters	8
Core Courses	28 (78 Credit hours)
Elective Courses	16 (48 Credit hours)
Experiential Learning Project (ELP) + Corporate Internship (6-8 weeks)	1 (6 Credit hours)
Total Courses	44+ELP
Total Credit Hours	132
Responsible Citizen Initiative (RCI) Internship	1
Personal Effectiveness Program (Non-Credit)	10 hours

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Program Learning Competencies

- **Knowledge of Accounting & Finance**
  Students will be able to prepare and analyze financial statements and build financial models.
- **Critical Thinking and Problem-Solving**
  Students will be able to critically analyze and evaluate information in a business context.
- **Communication and Teamwork**
  Students will be able to communicate effectively and collaborate within teams to achieve desired objectives.
- **Ethical Awareness and Social Responsibility**
  Students will be able to analyze ethical dilemmas and understand legal and regulatory frameworks in business.
- **Technology and Information Literacy**
  Students will be able to leverage technology and information resources to analyze data and communicate effectively in a business context.

Breakdown of Credit Hours Course Category	Courses	Credit Hours
General Education Courses	13	33
Accounting Core Courses	6	18
Finance Core Courses	5	15
Accounting Electives Courses	6	18
Finance Elective Courses	7	21
Allied Courses	4	12
Free Elective	3	9
Total Required Coursework	44	126
Experiential Learning Project + Corporate Internship	-	6
Total Credit Hours	-	132

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Microeconomics	ECO101	3	-	Allied
2	Introduction to Statistics	MTS102	3	-	General Education
3	Principles of Accounting	ACC111	3	-	Accounting Core
4	Pakistan History	SSC153	2	-	General Education
5	Calculus 1 / College Algebra *	MTS101	3	-	Allied
6	Fundamentals of Entrepreneurship	MGT103	2	-	General Education
7	Business, Ethics and Society	MGT104	2	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Macroeconomics	ECO111	3	-	Allied
2	Psychology of Business	BUS101	2	-	General Education
3	Introduction to Computer Applications	CSE103	3	-	General Education
4	Financial Accounting	ACC201	3	ACC111	Accounting Core
5	Speech Communication	HUM201	3	-	General Education
6	Introduction to Business Finance	FIN201	3	-	Finance Core
7	Principles of Philosophy	BUS103	2	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Business Communication	MGT211	3	-	General Education
2	Foundations of Sustainable Development	HUM362	3	-	General Education
3	Business Law	LAW205	3	-	Accounting Core
4	Financial Institute and Market	FIN301	3	-	Finance Core
5	Statistical Inference	MTS202	3	MTS102	General Education
6	Islamic Studies	SSC152	2	-	General Education

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Management & Organizational Behavior	MGT221	3	BUS101	Allied
2	Financial Management	FIN401	3	FIN201	Finance Core
3	Management Accounting	ACC381	3	ACC111	Accounting Core
4	Taxation	LAW303	3	ACC201	Accounting Core
5	Finance Elective 1	-	3	-	Finance Elective

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Accounting Elective 1	-	3	-	Accounting Elective
2	Auditing	ACC320	3	-	Accounting Core
3	Financial Modeling	FIN464	3	FIN401	Finance Core
4	Regulations and Financial Markets	FIN465	3	FIN301	Finance Core
5	AI in Business	-	3	-	-

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Free Elective 1	-	3	-	Free Elective
2	Accounting Elective 2	-	3	-	Accounting Elective
3	Accounting Elective 3	-	3	-	Accounting Elective
4	Finance Elective 2	-	3	-	Finance Elective
5	Finance Elective 3	-	3	-	Finance Elective
6	Free Elective 2	-	3	-	Free Elective

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Finance Elective 4	-	3	-	Finance Elective
2	Finance Elective 5	-	3	-	Finance Elective
3	Finance elective 6	-	3	-	Finance Elective
4	Accounting Elective 4	-	3	-	Accounting Elective
5	Accounting Elective 5	-	3	-	Accounting Elective

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Accounting elective 6	-	3	-	Accounting Elective
2	Finance elective 7	-	3	-	Finance Elective
3	Free Elective 3	-	3	-	Free Elective
4	ELP	-	6	-	-

* Students without Maths background will have to study College Algebra.

Accounting Electives (6 to be selected)

Accounting elective courses may constitute any courses offered by the Accounting and Law department (subject to fulfilment of prerequisites) that are not core courses. The relevant courses have the course code in the formats ACCXXX and LAWXXX. The list of course offerings differ from semester to semester, and students can find the current offerings on the website or with the relevant program offices.
The list of elective course offerings: https://accounting.iba.edu.pk/about-program.php

Accounting Electives Compulsory for CA and ACCA Exemption

UNDERGRADUATE PROGRAM

Course Category	Course Code
Financial Reporting	ACC315
Corporate Law	LAW305

Finance Electives (7 to be selected)

Finance elective courses may constitute any of the courses offered by the Finance department (subject to fulfillment of prerequisites). These courses usually have code in the format of FINXXX. The list of course offerings differ from semester to semester, and students can find the current offerings on the relevant website or with the relevant program offices.
The list of elective course offerings: https://accounting.iba.edu.pk/about-program.php

Free Electives

Students must choose 3 courses as free electives from any undergraduate courses offered by any school at the IBA. 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. The other two 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 fulfilment or prerequisites). ACF Students are not allowed to take Principles of Microeconomics, Principles of Macroeconomics, Principles of Management, or Organizational Behavior as NS electives. The 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.

Bachelor of Science (BS)
BUSINESS ANALYTICS

The Department of Business Analytics prepares students to turn data into sound business decisions in an economy where evidence increasingly drives strategy. The curriculum progresses from statistical reasoning and data management to machine learning, optimization, and visualization, with each concept applied to real organizational problems.

The department's faculty bring research depth in analytics and artificial intelligence together with active industry engagement, ensuring that graduates command both the technical craft and the managerial judgment that gives it value.

Program Structure	Courses
Time to Completion	4 years
Semesters	8
Core Courses	33 (93 Credit Hours)
Elective Courses	11 (33 Credit Hours)
Experiential Learning Project (Capstone project + Corporate Internship (6-8 weeks	1 (6 Credit Hours)
Total Courses	44+ELP
Total Credit Hours	132
Responsible Citizen Initiative (RCI)	1
Personal Effectiveness Program (Non-Credit)	10 Hours

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Program Learning Competencies

- **Knowledge of Business & Management**
  Students will be able to demonstrate a foundational understanding of core business functions.
- **Critical and Analytical Thinking (Quantitative Skills and Data Analysis)**
  Students will be able to critically analyze information and apply analytical tools to solve business problems.
- **Communication and Teamwork**
  Students will be able to communicate effectively and collaborate within teams to achieve desired objectives.
- **Ethical Awareness and Social Responsibility**
  Students will be able to analyze ethical dilemmas and understand legal and regulatory frameworks in business.
- **Process Innovation and Digital Transformation**
  Students will be able to optimize business processes and leverage digital technologies to innovate and transform business models.

Breakdown of Credit Hours Course Category	Courses	Credit Hours
General Education Courses	12	30
Program Core Courses	17	51
Program Elective Courses	8	24
Allied Courses	4	12
Free Electives	3	9
Total Required Coursework	44	126
Experiential Learning Project		6
Total Credit Hours		132

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Microeconomics	ECO101	3	-	Allied
2	Psychology of Business	BUS101	2	-	General Education
3	Calculus 1/College Algebra*	MTS101	3	-	General Education
4	Principles of Accounting	ACC111	3	-	Program Core
5	Speech Communication	HUM201	3	-	General Education
6	Introduction to Statistics	MTS102	3	-	General Education
7	Principles of Philosophy	BUS103	2	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Macroeconomics	ECO111	3	–	Allied
2	Introduction to Business Finance	FIN201	3	–	Program Core
3	Financial Accounting	ACC201	3	ACC111	Program Core
4	Pakistan History	SSC153	2	–	General Education
5	Introduction to Computer Application	CSE103	3	–	General Education
6	Fundamentals of Entrepreneurship	MGT103	2	–	General Education
7	Business, Ethics and Society	MGT104	2	–	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Islamic Studies / Ethics	SSC152	2	–	General Education
2	Introduction to Business Analytics	BAN201	3	MTS102, CSE103	Program Core
3	Production and Operations Management	MGT311	3	–	Program Core
4	Emerging Technologies for Digital Transformation	–	3	–	Allied
5	Principles of Marketing	MKT201	3	-	Program Core
6	Management and Organizational Behaviour	MGT221	3	BUS101	Program Core

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Foundation of Sustainable Development	HUM362	3	–	General Education
2	Business Process Reengineering and Data-Driven Transformation	MGT212	3	MGT311	Program Core
3	AI in Business	-	3	-	Allied
4	Methods in Business Research	MKT301	3	MKT201, MTS102	Program Core
5	Business Communication	MGT211	3	–	General Education

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Digital Innovation & Design Thinking	BAN301	3	MGT212	Program Core
2	Advanced Business Analytics	BAN401	3	BAN201	Program Core
3	Data Visualization	-	3	BAN201	Program Core
4	Business Applications of Database Systems	BAN302	3	CSE103	Program Core
5	Financial Management	FIN401	3	FIN201	Program Core

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Program Elective 1	-	3	-	Program Elective
2	Human Resource Management	MGT351	3	MGT221	Program Core
3	Program Elective 2	-	3	–	Program Elective
4	Program Elective 3	–	3	–	Program Elective
5	Free Elective 1	–	3	–	Free Elective
6	Management Accounting	ACC381	3	ACC111	Program Core

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Program Elective 4	-	3	-	Program Elective
2	Change Management & Digital Transformation	MGT412	3	MGT221, MGT212, BAN301	Program Core
3	Program Elective 5	–	3	–	Program Elective
4	Free Elective 2	–	3	–	Free Elective
5	Program Elective 6	–	3	–	Program Elective

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Program Elective 7	-	3	-	Program Elective
2	Program Elective 8	-	3	-	Program Elective
3	Free Elective 3	-	3	-	Free Elective
4	Experiential Learning Project (ELP)	-	6	-	Capstone Project

Important Note: Students without Maths background will have to study College Algebra.

Program Electives

Students select 8 courses as program electives. These may be chosen from any of the courses offered by the Business School that are not core courses for the BSBA 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, BA and SCM), subject to fulfillment of prerequisites. The list of course offerings differ from semester to semester, and students can find the current offerings on the website or with the relevant program offices.
The list of elective course offerings: https://sbs.iba.edu.pk/business-analytics-program.php

Free Electives

Students must choose three electives as free elective courses from any discipline offered by any school at the IBA. These courses must not be the same or equivalent to the core courses in the program. The list of course offerings differ from semester to semester, and students can find the current offerings on the website or with the relevant program offices.

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 and 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 into the students' CGPA. 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 the Code of Ethics, which is part of the curriculum in the courses related to Accounting and Auditing, term projects, and social internship. In addition, students enroll in a core course called Business, Ethics and Society. The course is designed to help students learn about socially responsible ways of engaging with stakeholders.

Highlights of Undergraduate Programs at IBA School of Business Studies

All the undergraduate programs at IBA-SBS are distinctive, with the following features that give the students a competitive edge.

Experiential Learning and Lifelong Learning Mindset

The curriculum of the BBA program is enriched with experiential learning opportunities and activities aimed at developing a 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 management courses 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, and a few of these startups now work as well-developed businesses.

Internships

To provide students with early exposure to the business world, a formal corporate internship must be carried out after completing the 6th semester (i.e., after completing all the courses till the 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. The Career Development Center at IBA coordinates the necessary requirements for the internship.

Social Internship Program

In undergraduate programs at SBS, social internship (called the Responsible Citizen Initiative) is a mandatory requirement for completing the learning cycle.

Students are required to work in a Non-Governmental Organization (NGO) or a social enterprise for four to six weeks to get 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 counseling programs for school students from underprivileged backgrounds and organizing events that have a positive social impact under the management courses.

Use of Technology and Innovative Pedagogy

The curriculum encourages using the latest technology applications related to different business functions in its courses. These emerging technologies are continuously identified through market trends and are made part of the curricula after certain deliberations through the course review process. Another way the program fosters technology exposure to its students by integrating technology in pedagogy. Using 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. It is a two-year, full-time, rigorous master's program in business administration designed to prepare young graduates from various disciplines for a professional management career in the corporate world. Through this program, students will develop a range of analytical, conceptual, and operational skills that can address the challenges in industry and society. The program attracts talented students through a competitive process and transforms them into responsible managers and business leaders. Our MBA graduates are trained to think critically and to work with ethical integrity. The program follows an eclectic mix of pedagogical methods, including case method, problem-based learning, simulations, and lectures to help students learn the skills, attitudes, and behaviors necessary to succeed in a contemporary business environment.

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Program Learning Competencies

- **Knowledge of Business and Management**
  Students develop the capability to evaluate enterprises' functions and interactions with the local and global environments.
- **Analytical Decision Making**
  Students will be able to analyze and evaluate information in a business context critically.
- **Effective Communication**
  Students develop the ability to present their ideas effectively in oral and written communication.
- **Ethical Leadership and Teamwork**
  Students develop the ability to work with and positively influence others, considering the ethical and social implications of their decisions and actions.
- **Technology in Management**
  Students develop competence in the application of technology in various functions of management.

For the semester-wise sequence of courses, please visit the IBA portal.

Program Structure		Courses
Time to completion	2 years	-
Core courses	13	39
Elective courses	5	15
MBA Project	1	6
Total	18+1 Project	60

Business Orientation Program	Duration
BOP is based on the essential topics for the subjects of Accounting. Finance, Marketing, and Management.	2 week program

Program Features

Master of Business Administration

Experiential Learning and a Lifelong Learning Mindset

The curriculum of the MBA Program is enriched with experiential learning opportunities. The personal effectiveness program consists of several interactive sessions delivered by industry professionals on a range of contemporary topics. Furthermore, guest lectures, field trips, games and simulations, and term projects are also included for experiential learning.

The students are also exposed to various activities to develop a lifelong learning mindset. Faculty mentoring encourages them to participate in industry challenges, competitions, and activities to develop a learning mindset further.

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 project.

Positive Societal Impact

In line with the mission of IBA-SBS, the MBA program is geared toward creating societal impact by increasing the productivity of enterprises, improving management and governance, and solving the problems of industry. The program also seeks to develop ethical leadership among its students.

Use of Technology and Innovative Pedagogy

IBA-SBS supports and encourages the use of innovative pedagogical tools by faculty through various faculty training sessions and ensures access to such resources. For example, IBA-SBS can access Harvard Business Publishing and uses Harvard cases and simulations in the curriculum.

The MBA program also incorporates modern information and communication technologies to equip students with the necessary technological skills to be effective managers and leaders.

Executive Master of BUSINESS ADMINISTRATION (EMBA)

The Executive MBA program, offered by IBA-SBS, is designed to train experienced managers for general management positions in established enterprises. It presents a distinctive chance for professionals to enhance their expertise and capabilities while maintaining their job responsibilities. The program is based on the Immersive Block Model (IBM) and completed in two years.

This program caters to professionals aspiring to assume leadership positions and strive for the top echelons of the corporate hierarchy, particularly within the C-suite (CEO, CFO, and COO). The program's structure, curriculum, approach, and material are meticulously crafted in collaboration with renowned experts and seasoned faculty members.

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Class Schedule

The classes are scheduled on alternate weekends between 09:00 AM and 06:00 PM, depending on the program's stage and the course's nature. Students are expected to fully commit both days to the program, attend the classes, and complete the assignments as per the schedule announced for the semester.

For the semester-wise sequence of courses, please visit the IBA portal.

Program Structure		Courses
Time to completion	2 years	-
Core courses	17	51
Capstone (after all core courses)	1	3
Capstone Project	1	6
Total	-	60
*Based on full course load	-	

This module sharpens the educational skills of participants, provides them with an overview of the whole program, and provides smooth take-off to the EMBA journey (Description of AIM), Duration (5 consecutive weekends)

Program Learning Competencies

- **Knowledge of Business, Society, and Global Management Practice**
  Participants develop the capability to evaluate the strategic role and dynamics of enterprises and their interactions with the environments in local and global contexts.
- **Executive Decision Making**
  Participants develop the systematic thinking and logical reasoning skills required for effective decision making.
- **Ethical Strategic Leadership**
  Participants learn to navigate ethical dilemmas and make organizations a force for the good of society.
- **Executive Communication**
  Participants learn to communicate effectively to various audiences and use different media.
- **Technology in Management**
  Participants develop competence in the application of technology in various functions of management.

Program Features

Executive Master of Business Administration

International Immersion in Silicon Valley

To extend the participants' learning experience beyond IBA and make it especially world-class, a trip to San Francisco during the second year is an integral part of the program. During this visit, participants visit the leading business organizations in Silicon Valley and interact with leaders in business and academia operating in and around the famous tech cluster.

Immersive Block Model (IBM)

Deep learning requires immersion and reflection on all essential facets of a phenomenon or management situation. This necessitates focus and intensive involvement of participants to grasp all crucial theoretical and practical dimensions, available alternatives, and implications. To balance depth and breadth, the IBA-EMBA is designed as a stream of 42 immersive blocks rather than a collection of courses. Each block is a substantive course unit delivered on a given weekend. Participants complete all blocks of a course before moving to the next course. This allows participants to attain the necessary focus and gain maximum flexibility.

Experiential Learning and a Lifelong Learning Mindset

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

Capstone Project

During the second year of the program, all participants are required to form a project team of 3-5 members from their classmates, choose a real-life strategic issue facing the organization of a team member, and apply the knowledge gained from the program to analyze the problem and recommend a strategy to address it. Each project team is assigned a faculty supervisor to provide necessary guidance throughout the project. The team concludes the project, prepares a formal report, and defends it before a faculty panel.

Positive Societal Impact

In line with the mission of IBA-SBS, the Executive MBA program is geared toward creating societal impact by solving industry problems and improving the management and governance of enterprises. The program also seeks to develop ethical leadership among its students.

Master of Science (MS)
FINANCE

The MS Finance is a 36 credit hours program. Classes are mainly held in the evening and on weekends and can be completed in a minimum duration of 1.5 years. The program is designed to provide a solid theoretical and 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.

Eligibility Criteria

For the eligibility criteria, refer to pages 29-30.

Class Schedule

Classes are mainly held in the evening and on weekends.

Program Learning Competencies

- **Advanced Knowledge of Finance Disciplines**
  Students will gain in-depth knowledge of areas within the finance field.
- **Critical Analysis Skills**
  Students will develop critical thinking skills.
- **Ethical Awareness**
  Students will develop an awareness of ethical issues in the finance field and research.
- **Plan and Execute Research**
  Students will engage with and contribute to knowledge frontiers in the finance field.

Program Structure	Courses	Credit Hours
Core Courses	7	21
Elective Courses	3*	9
Thesis / Project / Two Additional Elective Courses	1*	6
Total	10 + 1 Thesis	36

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Corporate Finance	FIN555	3	-	Core
2	Research Methodology	FIN601	3	-	Core
3	Investments	FIN511	3	-	Core
4	Financial Analysis	FIN513	3	FIN555	Core

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Seminars in Finance	FIN515	3	-	Core
2	Financial Econometrics	FIN569	3	FIN555	Core
3	Ethics and Corporate Governance	FIN519	3	-	Core
4	Elective 1	-	3	-	Elective

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Elective 2	-	3	-	Elective
2	Elective 3	-	3	-	Elective
3	Thesis/project/Electives	-	6/3	-	-

Important Note: A course and its sequence are subject to potential changes for program enhancement.
*Students can opt for specialization in the fields of Corporate Finance or Market Finance.

Important Note: Non-BBA/BS ACF students must complete a business orientation program (BOP). Successful completion of BOP is necessary to enroll in the main courses.

* MS students may opt to undertake a 3-credit-hour project instead of a thesis, along with an additional elective course to complete the required credit hours. Alternatively, they may choose the coursework-based MS option by completing courses equivalent to the remaining credit hours in lieu of a thesis or project.

Elective Courses

Corporate Finance

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Mergers and Acquisitions	FIN577	3	FIN555
2	International Finance	FIN551	3	FIN555
3	Applied Security Analysis and Financial Modelling	FIN562	3	FIN555

Market Finance

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Empirical Asset Pricing	FIN575	3	FIN511/FIN516
2	Derivatives & Risk Hedging	FIN568	3	FIN555
3	Mathematical Finance	FIN578	3	FIN555
4	Treasury and Fund Management	FIN565	3	FIN555

General Electives

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Fintech & Financial Innovation	FIN580	3	FFIN555
2	Behavioral Finance	FIN598	3	FIN555
3	Islamic Finance	FIN559	3	FIN555
4	Risk Management	FIN562	3	FIN555
5	Advanced Econometrics	STA672	3	FIN569
6	Python for Finance	FIN582	3	FIN555
7	Machine Learning for Finance	FIN655	3	-
8	Project Finance & Public Private Infrastructure	FIN552	3	-
9	Generative AI - Strategy, Systems & Real-World Impact	MGT573	3	-

Electives may be added to this list based on faculty availability and course demand.

Experiential Learning and a Lifelong Learning Mindset

Experiential learning is embedded in the MS Finance program through thesis/project and various projects 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 advanced level finance courses, 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 based on the specialized area of 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, allowing students to apply their learning through various practical approaches. The Finance lab will provide the students with exposure to securities, 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 that has a positive societal impact and include ethical perspectives in their research.

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 multiple training sessions 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 & Finance program at the Institute of Business Administration is designed to develop advanced knowledge and analytical capabilities in Islamic finance, banking, and Shariah-compliant financial systems. The program provides a strong foundation in Islamic financial jurisprudence, banking operations, and economic principles, while equipping students with the skills to address contemporary challenges in the Islamic finance industry.
Launched in Spring 2017, the program responds to the growing demand for qualified professionals in the rapidly expanding Islamic finance sector. It is designed for fresh graduates, industry practitioners, and Shariah scholars, and equips students with both theoretical and applied knowledge of Islamic finance, jurisprudence, banking, and economics, preparing them for impactful careers in academia as well as in the local and international Islamic finance industry.

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Class Schedule

Classes are mainly held in the evening and on weekends.

Program Structure	Courses	Credit Hours
Core Courses	7	21
Elective Courses	3	9
Thesis / Project / Two Additional Elective Courses	1*	6
Total	10 + 1 Thesis	36

Important Note: Non-BBA/BS ACF students must complete a business orientation program (BOP). Successful completion of BOP is necessary to enroll in the main courses.

* MS students may opt to undertake a 3-credit-hour project instead of a thesis, along with an additional elective course to complete the required credit hours. Alternatively, they may choose the coursework-based MS option by completing courses equivalent to the remaining credit hours in lieu of a thesis or project.

Semester-wise Sequence of Courses

Semester - 1 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Islamic Economics	ECO510	3	-	Core
2	Research Methodology	FIN601	3	-	Core
3	Islamic Jurisprudence and Law of Contract	FIN518	3	-	Core
4	Corporate Finance	FIN555	3	-	Core

Semester - 2 (Spring)		Course Code	Credit Hours	Prerequisite	Course Type
1	Accounting and Auditing for Islamic Finance	ACC504	3	-	Core
2	Islamic Capital Market	FIN599	3	-	Core
3	Islamic Finance	FIN559	3	-	Core
4	Elective-I	-	3	-	Core

Semester - 3 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Elective-II	-	3	-	Elective
2	Elective-III	-	3	-	Elective
3	Thesis/project/Electives	-	6/3	FIN601	-

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

Elective Courses

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Islamic Insurance (Takaful)	FIN512	3	-
2	Investment Banking and Structuring Financial	FIN550	3	-
3	International Finance	FIN551	3	FIN510
4	Islamic Law of Contracts	FIN572	3	-
5	Islamic Treasury Operations	FIN651	3	-
6	Islamic Partnership Corporate & Securities Law	-	3	-
7	Islamic Wealth Planning & Management	FIN579	3	-
8	Islamic Portfolio Management	FIN564	3	-
9	Financial Services Marketing	MKT575	3	-
10	Shariah Issues in Islamic Finance	FIN544	3	-
11	Commercial Law and Legal Documentation for Islamic Financial	FIN654	3	-
12	Islamic Entrepreneurship	FIN652	3	-
13	Advanced Econometrics	FIN581	3	-
14	Ethics & Corporate Governance	BUS554	3	-
15	Risk Management for IFIs	FIN578	3	-
16	Generative AI - Strategy, Systems & Real-World Impact	MGT573	3	-

Electives may be added to this list based on faculty availability and course demand.

Experiential Learning and a Lifelong Learning Mindset

As a mandatory degree requirement, students must work on a thesis or project where they study a particular issue in detail, collect primary and secondary data to analyze the issue, and produce recommendations. Working on these projects entails high faculty involvement with the students. Students choose their thesis or project based on their specialized area, enabling them to apply the relevant research tools to analyze an issue in their selected area.

Inculcating a 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. Last year, the World Islamic Finance Forum (WIFF) 2024 was conducted by the IBA Center for Excellence in Islamic Finance (CEIF) with local and global participation.

Positive Societal Impact

As a 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 the MS IBF program, understanding Ethical Awareness and Islamic Banking and Finance Principles as applied in different countries, regions, markets, jurisdictions, and their impact on businesses and governments is an important learning topic with 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. Besides, workshops and training sessions on new software are organized for graduate students to support their research endeavors.

Master of Science (MS)
MANAGEMENT

The MS Management Program is designed to develop advanced analytical capabilities and specialized knowledge in key areas of management such as: Operations Management, Strategy and Organization. The program enables students to explore contemporary management and organizational challenges through rigorous conceptual and analytical training. The curriculum emphasizes knowledge and skills relevant to today's evolving business environment, including courses on business analytics, digital transformation, sustainability, and consultancy. Students engage with real-world business contexts through analytical coursework and applied projects, enabling them to translate conceptual insights into practical solutions.

The program maintains the academic rigor expected at the MS level while remaining closely connected to developments in the industry. Graduates are well positioned for analytical and specialist roles in industry, consulting, and the development sector, while also being strongly aligned with academic pathways such as research, teaching, and PhD studies.

Recognizing the needs of working professionals, the program offers flexible scheduling, with all the main classes held in the evenings or on weekends, allowing participants to pursue advanced education alongside their professional commitments.

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Class Schedule

Classes are mainly held in the evening and on weekends.

Program Structure	Courses	Credit Hours
Core Courses	6	18
Elective Courses	4	12
Thesis / Project/ Two Additional Elective Courses	1*	6
Total	10 + 1 Thesis	36

Important Note: Non-BBA/BS ACF students must complete a business orientation program (BOP). Successful completion of BOP is necessary to enroll in the main courses.

* MS students may opt to undertake a 3-credit-hour project instead of a thesis, along with an additional elective course to complete the required credit hours. Alternatively, they may choose the coursework-based MS option by completing courses equivalent to the remaining credit hours in lieu of a thesis or project.

Semester-wise Sequence of Courses

Semester - 1 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Operations Management	MGT606	3	MGT511	Core
2	Managing People & Organization	MGT607	3	MGT511	Core
3	Organizational Research Method	MGT601	3	-	Core
4	Elective I	-	3	-	Elective

Semester - 2 (Spring)		Course Code	Credit Hours		Course Type
1	Business Analytics	-	3	-	Core
2	Strategy and Digital Transformation	-	3	MGT511	Core
3	Sustainability and Organizations	-	3	-	Core
4	Elective II	-	3	-	Elective

Semester - 3 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Elective 3	-	3	-	Elective
2	Elective 4	-	3	-	Elective
3	Thesis/project/Electives		6/3*		-

Elective Courses

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Business Consulting Lab	MGT579	3	-
2	Digital Transformation for Business State and Society	MGT563	3	-
3	Intro to Process Mining	MGT543	3	-
4	Project Management	MGT555	3	-
5	Gen AI: Strategy, Systems, and Real-World Impact	MGT 573	3	-
6	Alternative Management and Organization	-	3	-
7	Philosophy of Management & Organization	MGT514	3	-
8	Modeling and Simulation	MGT574	3	-
9	Supply & Demand Management	MGT528	3	-
10	Organization Theory	MGT603	3	-
11	Research Seminar in International Management	MGT604	3	-
12	Research in Organizational Behavior	MGT572	3	-
13	Pedagogy for Management	MGT576	3	-
14	Quantitative Research Methods	MGT524	3	-
15	Qualitative Research Methods	MGT528	3	-
16	Creating Experiences in Arts & Entertainment	MGT650	3	-

Electives may be added to this list based on faculty availability and course demand.

Experiential Learning and a Lifelong Learning Mindset

The core courses in the MS Management program introduce the students to various management and organization theories, research methodologies, and topics in strategy and operations management. Students then choose their thesis or project and apply the relevant research tools to analyze an issue in their selected area.

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

Use of Technology and Innovative Pedagogy

The MS Management program incorporates software in student learning, including SPSS, Stata, AMOS, and NVivo. Besides, workshops and training sessions on new software are organized for graduate students to support their research endeavors.

Master of Science (MS)
MARKETING

The MS Marketing is a 36 credit hours morning program which can be completed in a minimum duration of 1.5 years and the maximum duration is 4 years. The MS Marketing program is meticulously designed to cultivate students' skills and expertise in conducting high-quality research and analysis within the dynamic field of marketing and consumer insights. It offers a comprehensive theoretical foundation in marketing, with specialized emphasis on cutting-edge areas including neuroscience, consumer insights, advertising, social media, and retail analytics. The program is aimed at challenging students intellectually and enabling them to make contributions towards the knowledge and practice of marketing discipline. With a focus on both qualitative and quantitative research methodologies, students will gain proficiency to undertake rigorous research projects, empowering them for various professional roles. Whether aspiring to pursue an academic career as a researcher or faculty member or aiming for roles in industry as a marketing research analyst, consultant, consumer insights specialist, our graduates are equipped to excel. Beyond nurturing foundational knowledge, our curriculum encourages innovative research endeavors, providing a springboard to prestigious PhD programs worldwide. Backed by a rich legacy dating back to our Institute's inception, our Marketing department is committed to guiding students through a transformative journey, from fundamental concepts to advanced marketing philosophies.

Eligibility Criteria

For the eligibility criteria, refer to pages 30-31.

Program Structure	Courses	Credit Hours
Core Courses	5	15
Elective Courses	5	15
Thesis / Project/ Two Additional Elective Courses	1*	6
Total	10 + 1 Thesis	36

Important Note: Non-BBA/BS ACF students must complete a business orientation program (BOP). Successful completion of BOP is necessary to enroll in the main courses.

* MS students may opt to undertake a 3-credit-hour project instead of a thesis, along with an additional elective course to complete the required credit hours. Alternatively, they may choose the coursework-based MS option by completing courses equivalent to the remaining credit hours in lieu of a thesis or project.

Semester-wise Sequence of Courses

Semester - 1 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Responsible Marketing	MKT605	3	-	Core
2	Research Methods (for Marketing)	MKT604	3	-	Core
3	Marketing and Consumer Insights	MKT603	3	-	Core
4	Elective I	-	3	-	Elective

Semester - 2 (Spring)		Course Code	Credit Hours	Prerequisite	Course Type
1	Marketing Intelligence and Analytics	-	3	-	Core
2	Neuro-Marketing	MKT660	3	-	Core
3	Elective II	-	3	-	Core
4	Elective III	-	3	-	Elective

Semester - 3 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Elective IV	-	3	-	Elective
2	Elective V	-	3	-	Elective
3	Thesis/Project/Electives	-	6/3	-	-

Elective Courses

S. No	Course Title	Course Code	Credit Hours	Prerequisite
1	Marketing Strategy	MKT601	3	-
2	Social Media Analytics	MKT553	3	-
3	Special topics in Marketing (Big Data and Web analytics)	MKT559	3	-
4	Business to Business Marketing & Channel Strategy	-	3	-
5	Sustainable Marketing	MKT660	3	-
6	Advertising and Society	-	3	-
7	Retail Analytics	-	1.5	-
8	Research Analytics	-	1.5	-
9	Research Philosophies	MKT560	3	-
10	Advanced Quantitative Research	MKT607	3	-
11	Advanced Qualitative Research	MKT584	3	-
12	Seminar in Marketing Theory	MKT562	3	-
13	Gen AI: Strategy, Systems, and Real-World Impact	MGT573	3	-
14	AI Driven Marketing Research and Analytics - MKT850	MKT850	3	-

Note: Electives may be added to this list based on faculty availability and course demand.

Electives from other MS programs can also be obtained, with approval from the Program Director.

Experiential Learning and a Lifelong Learning Mindset

The core courses in the MS Marketing program introduce 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 a lifelong learning mindset.

Neuromarketing Lab

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

Doctor of Philosophy (PHD)
BUSINESS STUDIES

The PhD in Business Studies at IBA Karachi is a newly launched research-focused doctoral program designed to contribute to business knowledge and practice through impactful research. The program prepares scholars for careers in academia, research institutions, policy organizations, and industry, equipping them with advanced theoretical knowledge, methodological expertise, and analytical skills. Students engage in rigorous coursework and independent research and develop their expertise in one of the following areas: Finance, Marketing, and Management (OB/HR, Operations, Strategy).

Eligibility Criteria

	Doctor of Philosophy (PhD)	
S.No	**Information**	**Business Studies**
1	Admission Requirement	MS/MPhil degree (18 years of education) in a relevant discipline from an HEC-recognized local or foreign institution, with a minimum CGPA of 3.0 out of 4.0 (or equivalent). Note: All international certificate/ degree holders must provide an equivalency certificate from IBCC/HEC.
2	Aptitude Test Component	■ GMAT Format ■ Essay
3	Aptitude Test - difficulty level	GMAT Format + Essay
4	Aptitude test Exemption**	Exemption possible based on acceptable GMAT/GRE scores. Minimum 60% marks in GMAT/GRE (int'l) or 60% marks in the IBA admission test required for eligibility.
5	Student Profile	Avg. age: 26
6	Graduation Requirement	6 courses (18 credit hours) at doctoral level, comprehensive examination, proposal defense, PhD thesis (24 credit hours).
7	Fees	Full tuition fee waiver for selected scholars, with a monthly stipend during coursework and residency (as RA/TA, per IBA policy).
8	Classes Start	August
9	Duration	Minimum 3 years, maximum 8 years. Minimum residency requirement: 2 years.
10	Campus	Main

Duration

Minimum duration of the program is 3 years and the maximum time allowed is 8 years. Students must complete a minimum residency of 2 years at IBA.

Fee and Financial Support

Selected PhD scholars receive a full tuition fee waiver for the duration of the program, along with a monthly stipend during coursework and residency as per IBA policy. Students receiving a stipend may be required to serve as Research Associates (RAs) or Teaching Assistants (TAs). After successfully completing the comprehensive examination and thesis proposal defense, candidates may be permitted to teach undergraduate courses, subject to approval.

Areas of Concentration

- Finance
- Marketing
- Management (OB/HR, Operations, Strategy)

Required Courses	Courses	Credit Hours
Coursework	6	18
Thesis	-	24
Total	7	42

PhD Studies Stages

- Coursework
- Comprehensive Examination
- Proposal Defense
- Thesis Defense

List of Available Courses

Courses of 600 level and above may be added to this list depending on faculty availability and students' requirements.

S. No	Course Title	Course Code	Credit Hours
1	Advanced Research Methodology	BUS800	3
2	Pedagogy for Business Studies	-	3
3	Applied Marketing Strategy	-	3
4	Seminar in Responsible Marketing	MKT801	3
5	AI Driven Marketing Research and Analytics	MKT850	3
6	Marketing Theories and Models	-	3
7	Consumer Insights	-	3
8	Strategic Brand Management	-	3
9	Advertising and Society	-	3
10	Advanced Operations Management	-	3
11	Seminar in Organizational Behavior	-	3
12	Seminar in Organization Theory	-	3
13	Seminar in Strategy	-	3
14	Research in International Management	-	3
15	Investments and Asset Pricing	FIN801	3
16	Coding for Finance Research	-	3
17	Financial Econometrics	-	3
18	Advanced Financial Management	-	3
19	International Finance	-	3
20	Qualitative Research and Analysis	-	3
21	Quantitative Research and Analysis	-	3
22	Academic Writing & Communication	-	3
23	Philosophy of Business and Organization	-	3
24	Machine Learning	CSE602	3

For further details, visit: **sbs.iba.edu.pk/phd-business-studies**

IBA SESS
School of Economics and Social Sciences

70 YEARS & BEYOND

Leadership ▪ Excellence ▪ Impact

School of
ECONOMICS AND SOCIAL SCIENCES

Message from the

DEAN - School of Economics and Social Sciences

Dr. Yaqoob Khan Bangash

Dean - School of Economics and Social Sciences

Since inception in 1955, IBA has shaped leaders, innovators, and thinkers who have made their mark in Pakistan and around the world. At the School of Economics and Social Sciences (SESS), we carry this legacy forward by equipping students with not only deep knowledge of their disciplines, but also the values needed to become ethical, thoughtful, and responsible global citizens.

People sometimes ask, "Why social sciences in a business school?" Our answer is simple: Why not? The social sciences and liberal arts give students the human perspective behind numbers, markets, and policies. They help you think critically, question boldly, and understand the world in all its complexity. Whether through foundational courses, engaging electives, or our distinctive degree programs, SESS provides an academic journey that is both intellectually challenging and genuinely exciting.

In a world changing faster than ever, education must evolve too. Our programs are designed with that future in mind. The new BS in Economics and Data Science, for example, blends economic theory with powerful data tools, preparing students to understand and shape the data-driven world. Our other programs in Economics and Economics and Mathematics continue to evolve through cutting edge research, conferences and seminars, and global academic exchanges.

The Social Sciences and Liberal Arts (SSLA) department—IBA's largest—forms the backbone of the university's academic experience. Its courses are carefully designed to complement every degree programme, ensuring students gain critical thinking, communication, and analytical skills that stay with them long after graduation.

Within the SSLA degree itself, students can explore five exciting clusters: History, Political Science, Literature, Media Studies, and Psychology. This unique structure allows students to combine broad intellectual exploration with focused specialization—developing skills that are valuable across countless careers.

Beyond the classroom, SESS is a vibrant academic community. Our faculty—trained at leading universities worldwide—are passionate teachers, active researchers, and dedicated mentors. Through seminars, talks, conferences, and student collaborations, the school is always buzzing with ideas and conversations.

At SESS, learning is not just about earning a degree—it's about shaping curious minds and compassionate leaders ready to make a difference.

Welcome to SESS. Let's build a smarter, more creative, and more responsible future—together.

Overview of Departments

The School of Economics and Social Sciences (SESS) amalgamates two departments, two research centers, and three labs. Therefore, SESS includes the Department of Economics, the Department of Social Sciences and Liberal Arts (SSLA), the Center for Business and Economic Research (CBER), the Population Research Center (PRC), the Social Inequality Lab, Economic Growth and Forecasting Lab, Psychology Research and Testing Lab, and Karachi Urban Lab (KUL).

Distinguishing SESS features are as following:

- Over 1,000 students are enrolled, fostering a vibrant and engaging campus community.
- 48:52 male-female student ratio, promoting a diverse and inclusive learning environment.
- 45+ PhD faculty members contributing to academic excellence.
- Research seminars with world-leading institutions to promote intellectual growth and collaboration.
- Exchange program opportunities for students, allowing them to study abroad.
- Research grants for students to support innovative research initiatives.
- Variety of social events and vibrant campus life.
- 1,200+ alumni community globally, spanning the US, Germany, Turkey, the UK, Saudi Arabia, Canada, UAE, Australia, Europe, Africa, Hong Kong, and Japan.
- Over 250 alumni have pursued further education after graduation, many receiving the Fulbright, Erasmus, DAAD, Chevening, and other prestigious scholarships.

Department of Economics

The Department enables its students to learn theory, empirical investigation, and policy analysis. The classroom and on-campus experience help students train as modern-day Economists, Researchers, Policy Analysts, and Academics in national and international institutions.

Visit the 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 the website: https://ssla.iba.edu.pk/.

Center for Business and Economic Research (CBER)

CBER is the research wing of the School of Economics and Social Sciences (SESS), IBA Karachi. It serves as a platform for researchers to work with the private, public, and non-profit sectors across different disciplines of social sciences and public policy. Its placement within the schools allows it to collaborate with faculty in diverse areas of specialization.

- Conduct rigorous impact evaluation research studies, consultancy assignments, and sponsored research work for national and international agencies.
- Publish a flagship yearly state of the economy report and annual international conference of the School of Economics and Social Sciences (SESS), IBA Karachi; Conference on Tourism Sustainability in the Global South in May 2023 in Karachi.
- Conduct training workshops for students and faculty.
- Distinguished Lecture Series, Brown Bag Seminar Series, fund student research projects.

Visit the website: https://cber.iba.edu.pk.

Population Research Center (PRC)

The Population Research Center (PRC) at IBA, established in collaboration with the Population Council, provides a world-class platform for targeted research on population issues. PRC conducts rigorous research, engages in public outreach initiatives, and fosters strategic linkages with national and international organizations to inform evidence-based policymaking.

Highlights:

- Workshops on academic writing and data analysis.
- Population Bulletin highlighting various aspects of demography.
- 25th Annual Population Research Conference in collaboration with the Population Association of Pakistan.
- Webinars with international scholars on the latest trends in demographic research.

Visit the website: https://prc.iba.edu.pk.

Psychology Research and Testing Lab

The Psychology Research and Testing Lab is an integral part of the undergraduate and MS Psychology program, allowing the students to apply their theoretical knowledge to real-world scenarios. With the diverse range of psychological tests and inventories, the lab is a hub for hands-on training in psychological assessment, testing research, and data analysis.

Economic Growth and Forecasting Lab

The Economic Growth and Forecasting Lab of the School of Economics and Social Sciences, IBA operates with the following aims:

- To utilize cutting-edge econometric and artificial intelligence methods on both primary and secondary data to address critical contemporary issues, including financial inclusion, digital transformation, and climate change.
- Through evidence-based analysis and capacity-building, both through projects of its own as well as requests from stakeholders (Government, Central Bank, Corporates, and International Research Community), it strives to support informed decision-making that promotes sustainable and inclusive economic development, particularly in Pakistan and other regions of the world.

Programs on Offer

School of Economics and Social Sciences

Bachelor of Science (BS)

S.No	Information	Economics and Mathematics	Economics & Data Science	Economics	Social Sciences & Liberal Arts
1	Admission requirement	Higher secondary school certificate (Pre-engineering) or A Level with an average of 1B and 2Cs in 3 principal subjects including Mathematics (*check below table for points details) 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 Level with an average of 1B and 2Cs in 3 principal subjects (*check below table for points details) 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)		
3	Aptitude test - difficulty level	SAT (Mathematics)	SAT		
4	Aptitude test exemption**	- Refer to the next page	- Refer to the next page		
5	Student profile	Avg. age: 19	Avg. age: 19		
6	Graduation requirement	40 courses, 128 credit hours, 1 research project, responsible citizen initiative (RCI), corporate internship	40 courses, 128 credit hours, 1 Research project, Capstone, Responsible Citizen Initiative (RCI), corporate internship	40 courses, 126 credit hours, 1 Research project, responsible Citizen initiative (RCI), corporate internship	41 courses, 124 credit hours, Personal Effectiveness (PE) workshops, Capstone, Responsible Citizen Initiative (RCI), Corporate or Research Internship
		Personal Effectiveness Course (PE)	Personal Effectiveness Course (PE)		
7	Fees	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php		
8	Classes start	August	August		
9	Duration	4 years Full Time	4 years Full Time		
10	Campus	Main/City	Main/City		
11*	A Level Grade Requirements	**Minimum Subjects**: At least three subjects	**SESS Requirement**: Avg. 1 B & 2 Cs (min. 7 points)	**Grade Acceptance**: E/U not accepted. A maximum of one D grade allowed.	**A/A***: 4 Points; **B**: 3 Points; **C**: 2 Points; **D**: 1 Points

Criteria for

IBA Aptitude Test Exemptions

BBA, BSAF, BSBA, BSCS, BSMT, BSECO, BSSS, BSEDS & BSEM - SAT

- Direct admission or qualification for an interview based on SAT scores is not guaranteed. There is no minimum SAT score required for aptitude test exemption, and only the top SAT scorers in the SAT merit list will be granted direct admission or called for an interview.

  While you may choose to skip the IBA's aptitude test if you're confident in your SAT performance, we strongly encourage all candidates to take the IBA test to improve their chances of admission. If you skip the IBA aptitude test and apply solely based on your SAT scores and do not qualify for direct admission or an interview as per merit list, you will be placed on the list of unsuccessful candidates. The SAT merit list will be compiled and announced along with the IBA aptitude test result.

  Therefore, if you believe your SAT score is not among the top, we recommend appearing for the aptitude test as well.

BBA program– ACT

- A Composite Score of 29 (out of 36)
- An English / Writing Score of 25 (out of 36)

BSAF, BSCS, BSEDS, BSECO, and BSEM program – ACT

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

Programs on Offer

School of Economics & Social Sciences

		Master of Science (MS)				Doctor of Philosophy (PhD)
S.No	Information	Economics	Development Studies	Journalism	General Psychology	Economics
1	Admission requirement	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 a 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered if CGPA is not available. Note: All international certificate/-degree holders must provide an equivalency certificate from IBCC/HEC.	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 if CGPA is not available. Candidates with work experience are preferred. Note: All international certificate/-degree holders must provide an equivalency certificate from IBCC/HEC	A minimum of 16 years of education / equivalent degree in any discipline from a local or foreign institute recognized by the HEC, with a minimum CGPA of 2.5 out of 4.00 Or 50% marks in their last degree (as applicable). All equivalency claims shall be evaluated by the HEC. Applicants with prior journalism experience are encouraged to apply.	A minimum of 16 years of education, including the last 4 years from an HEC-recognized university/institute. Although the program is designed to cater to all disciplines, prior knowledge or understanding of social science and/or psychology will be advantageous. The minimum entry requirement is a CGPA of 2.5 out of 4.0, or 60% marks, in the last degree attained. All equivalency claims shall be evaluated by HEC. Work experience is not a mandatory requirement for this program. Students who do not have a prior background in social sciences and psychology will be required to undertake a foundation course.	Candidates must have an MS/MPhil or equivalent degree in a relevant subject from an HEC-recognized local or foreign university, with a minimum of 60% aggregate marks (if CGPA is unavailable) or a minimum CGPA of 3.0 out of 4.0, and must meet any specific requirements set by the respective department.
2	Aptitude test component	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Subject specialization	■ English Composition (MCQs) ■ Mathematics (MCQs) ■ Essay writing	■ English composition (MCQs) ■ Essay writing ■ GK/Current affairs	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Psychology (MCQs) ■ Essay writing	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Subject specialization
3	Aptitude test - difficulty level	GRE general + specialization	GRE general	GRE general	GRE general	TOEFL or IELTS GRE general + specialization
4	Aptitude test exemption**	160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitative and 150 in verbal GRE (int'l)	160 in quantitativeand 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)
5	Student profile	Avg. age: mid 20s	Avg. age: mid 20s	Avg. age: 20s - 30s	Avg. age: mid 20s	Avg. age: 22-26
6	Graduation requirement	Total credit hours = 30 courses = 24 credit hours 1 thesis = 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.)	12 courses, 39 credit hours, 1 capstone project, 1 internship	8 courses (24 credit hours) MS thesis (6 credit hours) Internship (6 credit hour) Note: (Interview panel will decide which students are exempted from foundation course which is a non-credit course for non-social sciences/psychology background applicants)	Total credit hours = 48 6 courses = 24 credit hours 1 dissertation = 24 credit hours
7	Fees	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php				
8	Classes start	August	August	August	August	August
9	Duration	2 years	2 years	1.5 years	2 years	4 years
10	Campus	Main/City	Main/City	Main/City	Main	Main/City

Bachelor of Science (BS)
ECONOMICS

The 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. The wide range of courses offered in this program gives students ample opportunities to broaden their knowledge base. The Economics research project in the final year enables students to apply the quantitative tools learned in the program to the economic and financial problems in the public and private sectors.

Curriculum Structure

Duration	4 years
Semesters	8
Courses	41
Capstone Project	1
Internship	1
Total credit hours (41 courses, 1 project, 1 internship)	127
Personal Effectiveness (non-credit short course)	1
Responsible Citizen Initiative (non-credit social internship)	1

Required Courses, Internships & Project

Section	Course Title	Courses	Credit Hours
A	General Education	12	31
B	Economics Core	17	54
C	Economics Elective	6	18
D	Interdisciplinary/Allied	4	12
E	Non-specialization elective	2	6
F	Capstone Project	1	3
G	Internship	1	3
H	Personal Effectiveness (non-credit short course)	1	-
I	Responsible Citizen Initiative (non-credit social internship)	1	-
	Total		127

Eligibility Criteria

For the eligibility criteria, refer to pages 56-57.

A. GENERAL EDUCATION COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Entrepreneurship	BUS103	2	-
2	Civic and Community Engagement	SSC215	2	-
3	Introduction to Computer Applications	MIS103	3	-
4	Islamic Scholarly Tradition/Philosophy Logic	SSC313/HUMXXX	2	-
5	Pakistan History	SSC153	2	-
6	Critical Reading and Communication	SSC108	3	-
7	Introduction to Academic Writing	SSC236	3	-
8	Introduction to Statistics	MTS102	3	-
9	Statistical Inference	MTS202	3	MTS102
10	Introduction to Philosophy	HUM102	2	-
11	Physics/Mechanics/Electricity, Magnetism and Waves**	SCI201/PHYXXX /PHY102	3	-
12	Introduction to Psychology/Anthropology/ Sociology **	SSC218/SSCXXX /SSCXXX	3	-

*All Muslim students are required to register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).
** Students are required to take one of these three courses.

B. ECONOMICS CORE COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Principles of Microeconomics	ECO103	3	-
2	Principles of Macroeconomics	ECO104	3	-
3	Intermediate Microeconomics	ECO201	3	ECO103
4	Intermediate Macroeconomics	ECO202	3	ECO104
5	Microeconomic Theory	ECO312	3	ECO201
6	Macroeconomic Theory	ECO313	3	ECO202
7	Applied Econometrics I	ECO343	4	MTS202
8	Applied Econometrics II	ECO344	4	ECO343
9	Research Methods in Economics	ECO411	3	ECO343
10	International Trade	ECO466	3	ECO103
11	Mathematical Economics	ECO303	3	MTS101
12	Data Analytics for Economists	ECO304	3	MTS111, MTS202
13	Essential Software	MTS111	3	-
14	Major Issues in Pakistan Economy	ECO403	3	ECO301
15	Development Economics	ECO301	3	ECO104
16	History of Economic Thought	ECO467	3	ECO104
17	Impact Evaluation Methods	ECO443	4	ECO343

C. ECONOMICS ELECTIVE COURSES

Students are required to take six Economics elective courses. Currently, the following elective courses are being offered:

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Behavioral Economics	ECO 470	3	ECO103
2	Climate Change Economics	ECO458	3	ECO103
3	Decolonizing Economics: Epistemology & Practice	ECO481	3	-
4	Economics of Education	ECO479	3	-
5	Energy Economics	ECO463	3	-
6	Environmental Economics	ECO450	3	ECO201
7	Health Economics	ECO471	3	ECO201
8	Industrial Economics and Business Strategy	ECO476	3	ECO201
9	International Finance	ECO459	3	ECO104
10	Labour Economics	ECO472	3	ECO201
11	Machine Learning for Economists	ECO405	3	MTS111
12	Modern Quantitative Methods	ECO473	3	ECO344
13	Monetary Economics	ECO452	3	ECO202
14	Poverty and Income Distribution	ECO475	3	-
15	Public Finance	ECO451	3	ECO104
16	Spatial Economics	ECO477	3	-
17	Time Series Econometrics	ECO457	3	ECO343

D. INTERDISCIPLINARY/ALLIED COURSES

Students are required to take the following Interdisciplinary/Allied courses. Students must select one Interdisciplinary/Allied elective course from Finance, Social Sciences, Mathematics, Statistics, Data Science, and Computer Science.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Calculus I	MTC101	3	-
2	Calculus II	MTC232	3	MTS101
3	Linear Algebra	MTC203	3	MTS101
4	Interdisciplinary/Allied elective	-	3	-
5	College Algebra*	MTS105	Deficiency course for non-math students	-

* College Algebra is offered only to students who do not have a mathematics background. This is a deficiency course for non-math students. Students will not be required to pay the fees for this course.

E. NON-SPECIALIZATION ELECTIVE

Students must select two NS courses (at least six credit hours) from any discipline other than Economics, including Accounting, Finance, Marketing, Management, Social Sciences and Liberal Arts, Mathematics, Statistics, Data Science, and Computer Science.

F. CAPSTONE PROJECT

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Capstone Project in Economics	ECOXXX	3	-

G. INTERNSHIP

Students must intern for 3 credit hours after completing their 6th semester of coursework, preferably during the summer break.

H. PERSONAL EFFECTIVENESS

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

I. RESPONSIBLE CITIZEN INITIATIVE (SOCIAL INTERNSHIP)

Students must complete their Responsible Citizen Internship (Social Internship) after completing their 2nd semester at IBA and fulfill this graduation requirement before the end of their 6th semester.

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Microeconomics	ECO103	3	-	Economics Core
2	Introduction to Computer	MIS103	3	-	General Education
3	Introduction to Statistics	MTS102	3	-	General Education
4	Critical Reading and Speech Communication	SSC108	3	-	General Education
5	Pakistan History	SSC153	2	-	General Education
6	College Algebra*	MTS105	Deficiency course for non-math students		

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Macroeconomics	ECO104	3	-	Economics Core
2	Calculus I	MTS101	3	-	Interdisciplinary/Allied
3	Statistical Inference	MTS202	3	-	General Education
4	Introduction to Psychology/ Anthropology/Sociology	SSC218 / SSC231 / SSSXXX	3	-	General Education
5	Introduction to Philosophy	HUM102	2	-	General Education
6	Islamic Scholarly Traditions (IST)/ Philosophy, Logic, and Ethics **	SSC152	2	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Microeconomics	ECO201	3	ECO103	Economics core
2	Linear Algebra	MTS203	3	MTS101	Interdisciplinary/Allied
3	Calculus II	MTS113	3	MTS101	Interdisciplinary/Allied
4	Introduction to Academic Writing	SSC236	3	-	General Education
5	Fundamentals of Entrepreneurship	MGT103	2	-	General Education
6	Civic and Community Engagement	SSC215	2	-	General Education

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Macroeconomics	ECO202	3	ECO103	Economics Core
2	Mathematical Economics	ECO303	3	MTS101	Economics Core
3	Essential Software	MTS111	3	-	Economics Core
4	Physics/Mechanics/ Electricity, Magnetism, Waves	SCI201/ PHYXXX/ PHY102	3	-	General Education
5	Non-specialization Elective	-	-	-	NS Specialization

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

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics I	ECO343	4	MTS202	Economics Core
2	Data Analytics for Economists	ECO304	3	MTS111, MTS202	Economics Core
3	Microeconomic Theory	ECO312	3	ECO201	Economics Core
4	Macroeconomic Theory	ECO313	3	ECO202	Economics Core
5	Economics Elective I	ECO	-	-	Economics Elective

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics II	ECO344	4	ECO343	Economics Core
2	Research Methods for Economics	ECO411	3	ECO343	Economics Core
3	Major Issues in Pakistan Economy	ECO403	3	ECO203	Economics Core
4	International Trade	ECO466	3	ECO103	Economics Core
5	Economics Elective II	ECO	3	-	Economics Elective
6	Personal Effectiveness	SSC240	-	-	Credit Mandatory

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Internship	-	3	-	Internship

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Impact Evaluation Methods	ECO443	4	ECO343	Economics core
2	History of Economic Thought	ECO467	3	ECO104	Economics core
3	Development Economics	ECO301	3	ECO104	Economics core
4	Economics elective III	ECO	3	-	Economics elective
5	Economics elective IV	ECO	3	-	Non-specialization elective
6	Capstone Project in Economics	ECO412	0	-	Provisional for starting Capstone

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Economics elective V	ECO	3	-	Economics elective
2	Economics elective VI	ECO	3	-	Economics elective
3	Non-specialization elective II	-	3	-	Non-specialization elective
4	Interdisciplinary/Allied Elective ***	-	3	-	Interdisciplinary/ Allied
5	Capstone Project in Economics	ECOXXX	3	-	Capstone Project

**All Muslim students are required to register for Islamic Scholarly Tradition (IST), Non-Musli m students may take Philosophy Logic and Ethics (PLE).

*** Students must select one Interdisciplinary/Allied elective course from Finance, Social Sciences, Mathematics, Statistics, Data Science, and Computer Science.

Bachelor of Science (BS)
ECONOMICS & MATHEMATICS

The Bachelor of Science (BS) Economics and Mathematics 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. The wide range of courses offered in this program gives students ample opportunities to broaden their knowledge base. The economics research project in the final year enables students to apply the quantitative tools learned in the program to the economic and financial problems in the public and private sectors.

Curriculum Structure

Duration	4 years
Semesters	8
Courses	41
Capstone Project	1
Internship	1
Total credit Hours (41 courses, 1 project, 1 internship)	129
Personal Effectiveness (non-credit short course)	1
Responsible Citizen Initiative (non-credit social internship)	1

Required Courses, Internships & Project

Section	Course Title	Courses	Credit Hours
A	General Education	12	31
B	Economics Core	11	35
C	Economics Elective	2	6
D	Mathematics Core	11	33
E	Mathematics Elective	2	6
F	Interdisciplinary/Allied	4	12
G	Capstone Project	1	3
H	Internship	1	3
I	Personal Effectiveness (non -credit short course)	1	-
J	Responsible Citizen Initiative- (non credit social internship)	1	-
	Total		129

Eligibility Criteria

For the eligibility criteria, refer to pages 56-57.

A. GENERAL EDUCATION COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Entrepreneurship	BUS103	2	-
2	Civic and Community Engagement	SSC215	2	-
3	Introduction to Computer Applications	MIS103	3	-
4	Islamic Scholarly Tradition/Philosophy Logic*	SSC313/HUMXXX	2	-
5	Pakistan History	SSC153	2	-
6	Critical Reading and Communication	SSC108	3	-
7	Introduction to Academic Writing	SSC236	3	-
8	Introduction to Statistics	MTS102	3	-
9	Statistical Inference	MTS202	3	MTS102
10	Introduction to Philosophy	HUM102	2	-
11	Physics/Mechanics/Electricity, Magnetism and Waves**	SCI201/PHYXXX /PHY102	3	-
12	Introduction to Psychology/Anthropology/ Sociology **	SSC218/SSCXXX /SSCXXX	3	-

*All Muslim students are required to register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).
** Students are required to take one of these three courses.

B. ECONOMICS CORE COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Principles of Microeconomics	ECO103	3	-
2	Principles of Macroeconomics	ECO104	3	-
3	Intermediate Microeconomics	ECO201	3	ECO103
4	Intermediate Macroeconomics	ECO202	3	ECO104
5	Microeconomic Theory	ECO312	3	ECO201
6	Macroeconomic Theory	ECO313	3	ECO202
7	Applied Econometrics I	ECO343	4	MTS202
8	Applied Econometrics II	ECO344	4	ECO343
9	Research Methods in Economics	ECO411	3	ECO343
10	Development Economics	ECO301	3	ECO104
11	International Trade	ECO466	3	ECO103

D. MATHEMATICS CORE COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Calculus-I	MTS101	3	-
2	Calculus-II	MTS232	3	MTS101
3	Multivariable Calculus	MTS424	3	MTS232
4	Linear Algebra	MTS203	3	MTS101
5	Discrete Mathematics	MTS211	3	-
6	Introduction to Differential Equations	MTS241	3	MTS101
7	Stochastic Process	MTS304	3	MTS231
8	Optimization Techniques	MTS330	3	MTS101, MTS203
9	Partial Differential Equations	MTS436	3	MTS241
10	Real Analysis I	MTS341	3	MTS232
11	Probability Theory	MTS231	3	-

C. ECONOMICS ELECTIVE COURSES

Students are required to take six Economics elective courses. Currently, the following elective courses are being offered:

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Behavioral Economics	ECO470	3	ECO103
2	Climate Change Economics	ECO458	3	ECO103
3	Decolonizing Economics: Epistemology & Practice	ECO481	3	-
4	Economics of Education	ECO479	3	-
5	Energy Economics	ECO463	3	-
6	Environmental Economics	ECO450	3	ECO201
7	Health Economics	ECO471	3	ECO201
8	Industrial Economics and Business Strategy	ECO476	3	ECO201
9	International Finance	ECO459	3	ECO104
10	Labour Economics	ECO472	3	ECO201
11	Machine Learning for Economists	ECO405	3	MTS111
12	Modern Quantitative Methods	ECO473	3	ECO344
13	Monetary Economics	ECO452	3	ECO202
14	Poverty and Income Distribution	ECO475	3	-
15	Public Finance	ECO451	3	ECO104
16	Spatial Economics	ECO477	3	-
17	Time Series Econometrics	ECO457	3	ECO343

E. MATHEMATICS ELECTIVE COURSES

Students are required to take two mathematics elective courses. Currently, the following elective courses are being offered:

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Complex Analysis	MTS302	3	MTS341
2	Abstract Algebra I	MTS305	3	MTS203
3	Numerical Analysis	MTS306	3	MTS232
4	Functional Analysis I	MTS411	3	MTS341
5	Functional Analysis II	MTS412	3	MTS411
6	Abstract Algebra II	MTS413	3	MTS305
7	Numerical Solutions of PDE	MTS431	3	MTS414
8	Integral Equations	MTS432	3	MTS303
9	Advanced Numerical Analysis I	MTS433	3	MTS414
10	Advanced Numerical Analysis II	MTS434	3	MTS433
11	Differential Geometry	MTS435	3	MTS204,
12	Fluid Dynamics I	MTS437	3	-
13	Fluid Dynamics II	MTS438	3	-
14	Financial Mathematics with a Computational Approach	MTS441	3	-
15	Computational Finance	MTS442	3	-
16	Topology I	MTS451	3	MTS341
17	Scientific Computing for Linear	MTS414	3	MTS413
18	Modern Algebra I	MTS443	3	MTS413
19	Modern Algebra II	MTS444	3	MTS413
20	Measure Theory I	MTS445	3	-
21	Measure Theory II	MTS446	3	-
22	Operations Research I	MTS447	3	-
23	Operations Research II	MTS448	3	-
24	Introduction to Differential Topology	MTS452	3	MTS451
25	Financial Engineering	MTS453	3	MTS441

F. INTERDISCIPLINARY/ALLIED COURSES

Students are required to take the following Interdisciplinary/Allied courses. Students must select two Interdisciplinary/Allied elective courses from Finance, Social Sciences, Data Science, and Computer Science.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Essential Software	MTS111	3	-
2	Data Analytics for Economists	ECO304	3	ECO304
3	Interdisciplinary/Allied Elective I	-	3	-
4	Interdisciplinary/Allied Elective II	-	3	-

G. CAPSTONE PROJECT

Students must complete one Capstone project of 3 credit hours in the final year.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Capstone Project in Economics / Capstone Project in Economics Mathematics	ECOXXX	3	-

H. INTERNSHIP

Students must intern for 3 credit hours after completing their 6th semester of coursework, preferably during the summer break.

I. PERSONAL EFFECTIVENESS

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

J. RESPONSIBLE CITIZEN INITIATIVE (SOCIAL INTERNSHIP)

Students must complete their Responsible Citizen Internship (Social Internship) after completing their 2nd semester at IBA and fulfill this graduation requirement before the end of their 6th semester.

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Microeconomics	ECO103	3	-	Economics Core
2	Calculus I	MTS101	3	-	Mathematics Core
3	Introduction to Computer Applications	MIS103	3	-	General Education
4	Introduction to Statistics	MTS102	3	-	General Education
5	Critical Reading and Speech Communication	SSC108	3	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Macroeconomics	ECO104	3	-	Economics Core
2	Calculus II	MTS232	3	MTS101	Mathematics Core
3	Statistical Inference	MTS202	3	MTS102	General Education
4	Introduction to Psychology / Fundamentals of Sociology / Anthropology	SSC218/SSC231 /SSCXXX	3	-	General Education
5	Pakistan History	SSC153	2	-	General Education
6	Islamic Scholarly Traditions (IST)/ Philosophy, Logic, and Ethics **	SSC152	2	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Microeconomics	ECO201	3	ECO103	Economics Core
2	Discrete Mathematics	MTS211	3	-	Mathematics Core
3	Multivariable Calculus	MTS242	3	MTS232	Mathematics Core
4	Introduction to Academic Writing	SSC236	3	-	General Education
5	Fundamentals of Entrepreneurship	MGT103	2	-	General Education
6	Civic & Community Engagement	SSC215	2	-	General Education

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Macroeconomics	ECO202	3	ECO103	Economics Core
2	Linear Algebra	MTS203	3	MTS101	Mathematics Core
3	Probability Theory	MTS231	3	MTS102	Mathematics Core
4	Essential Software	MTS111	3	-	Interdisciplinary/ Allied
5	Physics/Mechanics/Electricity, Magnetism, Waves	SCI201/PHYXXX /PHY102	3	-	General Education
6	Intro to Philosophy	SSC102	2	-	General Education

*All Muslim students are required to register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics I	ECO343	4	MTS202	Economics Core
2	Microeconomic Theory	ECO312	3	ECO201	Economics Core
3	Macroeconomic Theory	ECO313	3	ECO202	Economics Core
4	Introduction to Differential Equations	MTS241	3	MTS101	Mathematics Core
5	Real Analysis I	MTS341	3	MTS232	Mathematics Core

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics II	ECO344	4	ECO343	Economics Core
2	Research Methods for Economics	ECO411	3	ECO343	Economics Core
3	International Trade	ECO466	3	ECO103	Economics Core
4	Partial Differential Equations	MTS436	3	MTS241	Mathematics Core
5	Data Analytics for Economics	ECO304	3	-	Interdisciplinary/ Allied
6	Personal Effectiveness	SSC240	-	-	Non-credit mandatory

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Internship	-	3	-	Internship

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Development Economics	ECO301	3	ECO104	Economics core
2	Economics elective I	ECO	3	-	Economics elective
3	Stochastic Processes	MTS304	3	MTS231	Mathematics core
4	Mathematics elective I	MTS	3	-	Mathematics elective
5	Interdisciplinary/Allied elective I **	-	3	-	Interdisciplinary/Allied
6	Capstone Project in Economics/ Capstone Project in Mathematics	ECO412/ MTSXXX	0	-	Provisional for starting Capstone

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Optimization Techniques	MTS330	3	-	Economics elective
2	Mathematics elective II	ECO	3	-	Economics elective
3	Economics elective II	-	3	-	Non-specialization elective
4	Interdisciplinary/Allied Elective II **	-	3	-	Interdisciplinary/ Allied
5	Capstone Project in Economics/ Capstone Project in Mathematics***	ECOXXX/ MTS439	3	-	Capstone Project

** Students must select two Interdisciplinary/Allied elective courses from Finance, Social Sciences, Data Science, and Computer Science.

*** Students can take either the Capstone Project in Economics (ECO412) or the Capstone Project in Mathematics (MTS439).

Bachelor of Science (BS)
ECONOMICS AND DATA SCIENCE

The BS Economics and Data Science program is designed to address this gap by integrating rigorous training in microeconomics, macroeconomics, and econometrics with cutting-edge skills in machine learning, statistical programming, and big data analysis. This interdisciplinary approach aligns with global trends and responds to demand from employers like the State Bank of Pakistan, fintech firms, and international development agencies.

Curriculum Structure

Duration	4 years
Semesters	8
Courses	40
Capstone Project	1
Internship	1
Total credit hours (40 courses, 1 project, 1 internship)	128
Personal Effectiveness (non-credit short course)	1
Responsible Citizen Initiative (non-credit social internship)	1

Required Courses, Internships & Project

Section	Course Title	Courses	Credit Hours
A	General Education	12	32
B	Economics Core	10	33
C	Economics Elective	4	12
D	Data Science Core	6	21
E	Data Science Elective	3	9
F	Interdisciplinary/Allied	5	15
G	Capstone Project	1	3
H	Internship	1	3
I	Personal Effectiveness (non-credit short course)	1	-
J	Responsible Citizen Initiative (Social internship)	1	-
	Total		128

Eligibility Criteria

For the eligibility criteria, refer to pages 56-57.

A. GENERAL EDUCATION COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Entrepreneurship	BUS103	2	-
2	Civic and Community Engagement	SSC215	2	-
3	Introduction to Programming	CSE141	4	-
4	Islamic Scholarly Tradition/Philosophy Logic and Ethics*	SSC313/ HUMXXX	2	-
5	Pakistan History/Constitutional History	SSC153	2	-
6	Critical Reading and Communication	SSC108	3	-
7	Introduction to Academic Writing	SSC236	3	-
8	Introduction to Statistics	MTS102	3	-
9	Statistical Inference	MTS202	3	MTS102
10	Introduction to Philosophy	HUM102	2	-
11	Physics/Mechanics/Electricity, Magnetism and Waves**	SCI201/PHYXXX/ PHY102	3	-
12	Introduction to Psychology/Anthropology/ Sociology/Logic and Critical Reasoning **	SSC218/SSCXXX/ SSCXXX	3	-

*All Muslim students must register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).

B. ECONOMICS CORE

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Principles of Microeconomics	ECO103	3	-
2	Principles of Macroeconomics	ECO104	3	-
3	Intermediate Microeconomics	ECO201	3	ECO103
4	Intermediate Macroeconomics	ECO202	3	ECO104
5	Microeconomic Theory	ECO312	3	ECO201
6	Macroeconomic Theory	ECO313	3	ECO202
7	Applied Econometrics I	ECO343	4	MTS202
8	Applied Econometrics II	ECO344	4	ECO343
9	Research Methods in Economics	ECO411	3	ECO343
10	Causal Inference/Impact Evaluation Methods	ECO443	4	ECO104

C. ECONOMICS ELECTIVES

Students are required to take four economics elective courses. Currently, the following elective courses are being offered:

Visual Studies S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	International Trade	ECO466	3	ECO103
2	Behavioral Economics	ECO470	3	ECO103
3	Climate Change Economics	ECO458	3	ECO103
4	Decolonizing Economics: Epistemology & Practice	ECO481	3	-
5	Economics of Education	ECO479	3	-
6	Energy Economics	ECO463	3	-
7	Environmental Economics	ECO450	3	ECO201
8	Health Economics	ECO471	3	ECO201
9	Industrial Economics and Business Strategy	ECO476	3	ECO201
10	International Finance	ECO459	3	ECO104
11	Labour Economics	ECO472	3	ECO201
12	Modern Quantitative Methods	ECO473	3	ECO344
13	Monetary Economics	ECO452	3	ECO202
14	Poverty and Income Distribution	ECO475	3	-
15	Public Finance	ECO451	3	ECO104
16	Spatial Economics	ECO477	3	-
17	Time Series Econometrics	ECO457	3	ECO343
18	Game Theory	-	3	-

D. DATA SCIENCE CORE

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Object-Oriented Programming Techniques	CSE142	4	CSE141
2	Data Structures	CSE247	4	CSE142
3	Introduction to AI	CSE307	3	CSE247
4	Database Systems	CSE341	4	CSE247
5	Introduction to Machine Learning	CSE472	3	CSE307
6	Business Intelligence	CSE459	3	CSE341

E. DATA SCIENCE ELECTIVE

Students are required to take three Data Science elective courses.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Introduction to Text Analytics	CSE473	3	-
2	Introduction to Network Data Analysis	CSE469	3	-
3	Introduction to Computer Vision	CSE454	3	-
4	Neural Networks and Deep Learning	CSE471	3	-
5	Introduction to Big Data Analytics	CSE452	3	-

F. INTERDISCIPLINARY/ALLIED CORE

Students are required to take the following Interdisciplinary/Allied courses. Students must select one Interdisciplinary/Allied elective courses from Finance, Social Sciences, Mathematics, Statistics, and Computer Science.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Calculus-I	MTS101	3	-
2	Calculus-II	MTS232	3	MTS101
3	Linear Algebra	MTS203	3	MTS101
4	Accounting and Finance	FIN	3	
5	Interdisciplinary/Allied Elective I	-	3	-

G. CAPSTONE PROJECT

Students must complete one Capstone project of 3 credit hours in the final year.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Capstone Project in Economics and Data Science	ECOXXX / CSEXXX	3	-

H. INTERNSHIP

Students must engage in an internship of 3 credit hours after completing their 6th semester of the coursework, preferably during the summer break.

I. PERSONAL EFFECTIVENESS

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

J. RESPONSIBLE CITIZEN INITIATIVE (SOCIAL INTERNSHIP)

Students must complete their Responsible Citizen Internship (Social Internship) after completing their 2nd semester at IBA and fulfill this graduation requirement before the end of their 6th semester.

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Microeconomics	ECO103	3	-	Economics Core
2	Calculus I	MTS101	3	-	Allied core
3	Introduction to Programming	CSE141	4	-	General Education
4	Introduction to Statistics	MTS102	3	-	General Education
5	Critical Reading and Speech Communication	SSC108	3	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Principles of Macroeconomics	ECO104	3	_	Economics Core
2	Calculus II	MTS232	3	_	Allied Core
3	Statistical Inference	MTS202	3	MTS102	General Education
4	Introduction to Psychology / Sociology / Anthropology	SSC218/SSC231 /SSCXXX	3	_	General Education
5	Object-Oriented Programming Techniques	SSC142	4	CSE141	Data Science Core

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Microeconomics	ECO201	3	ECO103	Economics Core
2	Linear Algebra	MTS211	3	MTS232	Allied Core
3	Introduction to Academic Writing	SSC236	3	-	General Education
4	Entrepreneurship	BUS103	2	-	General Education
5	Civic & Community Engagement	SSC215	2	-	General Education
6	Data Structures	CSE247	4	CSE142	Data Science Core

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Intermediate Macroeconomics	ECO202	3	ECO103	Economics Core
2	Pakistan History	SSC153	2	-	General Education
3	Physics/Mechanics/Electricity, Magnetism, Waves	SCI201/PHYXXX /PHY102	3	-	General Education
4	Intro to Philosophy	SSC102	2	-	General Education
5	Islamic Scholarly Traditions / Philosophy, Logic, and Ethics *	SSC313/ HUMXXX	2	-	General Education
6	Introduction to AI	CSE 307	3	CSE247	Data Science Core

*All Muslim students are required to register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics I	ECO343	4	MTS202	Economics Core
2	Microeconomic Theory	ECO312	3	ECO201	Economics Core
3	Introduction to Machine Learning	CSE472	3	CSE307	Data Science Core
4	Database Systems	CSE341	4	CSE247	Data Science Core
5	Accounting and Finance	-	3	-	Interdisciplinary/ Allied

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Applied Econometrics II	ECO344	4	ECO343	Economics Core
2	Research Methods for Economics	ECO411	3	ECO343	Economics Core
3	Personal Effectiveness	SSC240	-	-	Non-credit mandatory
4	Business Intelligence	CSE459	3	CSE341	Data Science Core
5	Macroeconomic Theory	ECO313	3	ECO202	Economics Core

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Internship	-	3	-	Internship

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Causal Inference/Impact Evaluation Methods	ECO443	4	ECO104	Economics core
2	Economics elective I	-	3	-	Economics elective
3	Capstone Project (Provisional)	ECOXXX/CSEXXX	0	-	Provisional for starting Capstone
4	Data Science elective I	-	3	-	Data Science Core
5	Economics elective II	-	3	-	Data Science Elective

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Data Science elective II	-	3	-	Data Science elective
2	Data Science elective III	-	3	-	Economics elective
3	Economics elective III	-	3	-	Economics elective
4	Economics elective IV	-	3	-	Economics elective
5	Capstone Project	ECOXXX / CSEXXX	3	-	Capstone Project
6	Interdisciplinary/Allied elective IV **	-	3		Interdisciplinary/Allied

** Students must select two Interdisciplinary/Allied elective courses from Finance, Social Sciences, Data Science, and Computer Science.

*** Students can take either the Capstone Project in Economics (ECO412) or the Capstone Project in Mathematics (MTS439).

Bachelor of Science (BS)
SOCIAL SCIENCES AND LIBERAL ARTS

The Bachelor of Science (BS) in Social Sciences and Liberal Arts (SSLA) is a 4-year program that introduces students to a range of academic disciplines in Social Sciences and Humanities. The combination of core and elective courses in the SSLA degree allows students to develop comprehensive skills in reading and writing, quantitative thinking, problem solving, critical inquiry, and research. The program offers concentrations in Psychology, Political Science, Media and Culture, History, Anthropology-Sociology, and Literary Studies. As part of the program, final year students get the opportunity to complete an independent research project (called the 'Culminating Experience' or CE), provided their CGPA is 3.0 or higher and they have a minimum of A- in their capstone project. Languages offered by the department include Arabic, French, German, Italian, Spanish, Persian, and Mandarin. Lastly, to enable students to apply their Social Sciences and Humanities knowledge in diverse work environments, SSLA students complete two summer internships, one in social service and the other focusing on research skills or corporate exposure.

Curriculum Structure

Duration	4 years
Semesters	08
Courses	41
Capstone Project	01
Corporate/Research Internship	01
Personal Effectiveness	01
Responsible Citizen Initiative (Social internship)	01

Required Courses, Internships & Project

Section	Course Title	Courses	Credit Hours
A	General Education	12	32
B	Supporting Core + Electives	5	15
C	SSLA Core + Electives	10	30
D	Concentration Core + Electives	10	30
E	Inter disciplinary Cores and Elective	04	14
F	Responsible Citizen Initiative (Social internship)	01	-
G	Personal Effectiveness	01	-
H	Corporate/Research Internship	01	03
	Total		124

Eligibility Criteria

For the eligibility criteria, refer to pages 56-57.

A. GENERAL EDUCATION COURSES

S No.	Course Title	Credit Hours
	General Education Core	
1	Fundamentals of Entrepreneurship	02
2	Civics and Community Engagement	02
3	Introduction to Computer Applications	03
4	Islamic Scholarly Tradition/Philosophy Logic and Ethics (Islamic Studies/Ethics)	02
5	Pakistan History (Ideology and Constitution of Pakistan)	02
6	Critical Reading and Writing (Expository English)	03
7	Speech Communication (Functional English)	03
8	Introduction to Statistics (Quantitative Reasoning)	03
9	Statistical Inference (Quantitative Reasoning)	03
10	Fundamentals of Sociology (Social Sciences)	03
11	South Asian History (Arts and Humanities)	03
	General Education Elective	
12	Natural Sciences – Select from the pool of Natural Science courses	03

*All Muslim students must register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).

NATURAL SCIENCE (NSc) COURSE

The SSLA department has offered the following NSc courses in the past. A combination of old and new courses is made available every semester.

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Art and Science	NSC-364	3	-
2	Astronomy	AST-251	3	-
3	Einstein, Relativity and Spacetime	MTS-350	3	-
4	Electricity, Magnetism and Waves	PHY-102	3	-
5	Energy and Environment	NSC-366	3	-
6	Environment, Climate Change and Development	HUM-476	3	-
7	From Baghdad to Cordoba: History of Science, Medicine, and Technology in Islamicate Societies, 700-1900	NSC-371	3	-
8	Physical Geography	NSC-350	3	-
9	Physics	SCI-102	3	-
10	Physiological Psychology	PSY-371	3	-
11	Science and Medicine in Islamic Societies 700-1700	NSC-361	3	-
12	Science and Religion	NSC-365	3	-
13	Science, Technology and Society	NSC-362	3	-
14	Social and Political History of Medicine	NSC-363	3	-
15	Sustainable Cities and Communities	NSC-358	3	-

Students may choose an NSc course offered by another department.

B. SUPPORTING CORE

S No.	Course Title	Courses	Credit Hours
1	Rhetorical Modes of Writing	1	3
2	History of Ideas	1	3
3	Computational Research Methods	1	3

SUPPORTING ELECTIVES

Students must select 2 HUM electives from the list of available courses.

S No.	Course Title	Courses	Credit Hours
1	Humanities Electives (HUM)	2	6

The following courses have been offered in the past. A combination of old and new courses is made available every semester.

Humanities S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	An Introduction to the Philosophy of Religion	HUM-103	3	-
2	Anthropology of Body and Society	SOC-354	3	-
3	Anthropology of Religion, Magic & Witchcraft	HUM-365	3	-
4	Are We Becoming Post-Human? Technology, Ethics and Society	HUM-377	3	-
5	Becoming 'Good' Muslims: An Anthropological Lens	SOC-352	3	-
6	Calligraphy	HUM-462	3	-
7	Cities, Climate Politics, & Intersectionality	HUM-359	3	-
8	Climate, Architecture and Urban Environments in Cities of the Global South	HUM-487	3	-
9	Contemporary Philosophical Thought	HUM-379	3	-
10	Creative Writing	HUM-360	3	-
11	Environment, Climate Change and Development	HUM-476	3	-
12	Environmental Anthropology	HUM-455	3	-
13	Ethnographic Practices and Disabilities' Vistas	HUM-452	3	-
14	Ethnomusicology: Music and Culture	HUM-457	3	-
15	Family and Society: Intersections of Communication, Culture, and Technology	SOC-353	3	-
16	Feminism, Technology and Media	MCS-380	3	-
17	Feminist Legal Theory and Practice	HUM-396	3	-
18	Food, Self and Society	HUM-460	3	-
20	Formal Reasoning: Logic and Critical Thinking	HUM-363	3	-
21	Ghazalian Self and Good Life	HUM-387	3	-

Humanities S No.	Course Title	Course Code	Credit Hours	Prerequisite
22	Modern and Contemporary Women Visual Artists of Pakistan	HUM-391	3	-
23	Precarious Lives, Possible Futures: Anthropological Explorations of Health and Power in Entangled Worlds	HUM-367	3	-
24	Reading Karachi: History & Urban Transformations	HUM-471	3	-
25	Science without God; Kalam Jadeed	HUM-497	3	-
26	Sustainable Urban Development	HUM-479	3	-
27	Urban Planning Theories and Paradigms	HUM-478	3	-
28	Urban Political Ecology	SOC-356	3	-
29	Urban Sociology	HUM-475	3	-
30	When 'Religion' Was Born: History of an Idea - From Sacred Worlds to Secular Age	HUM-351	3	-

- Some concentration electives are cross-listed as Humanities or Natural Science. Students will be informed about these electives at the start of each semester.

C. SSLA CORE

S No.	Course Title	Course Code	Credit Hours
1	Introduction to Historical Methods	SSC-232	3
2	Introduction to Psychology	SSC-218	3
3	Introduction to Social and Cultural Anthropology	SSC-233	3
4	Introduction to Media and Culture	SSC-216	3
5	Introduction to Political Science	SSC-217	3
6	Introduction to Urban Studies	SSC-234	3
7	Introduction to Literary Studies	SSC-401	3

SSLA ELECTIVES

All students must take a minimum of one elective offered by the SSLA department. This can be an elective outside their concentration (excluding language courses).

Students with a CGPA 3.0 or higher and a minimum of A- in their capstone project will decide whether they wish to carry out the Culminating Experience (CE, a research project spread over two semesters) or take two extra electives from within the SSLA department. They can choose electives outside their concentration, apart from language courses.

Students who opt for the CE will be enrolled in a zero-credit pass/fail CE in their first CE semester. Upon passing this, they will be enrolled in a 6-credit CE in their second CE semester.

Students with a CGPA below 3.0 or a grade below A- in their capstone project will not be eligible to pursue the CE. They will be required to take two extra SSLA electives in lieu of CE. They can choose electives outside their concentration, excluding language courses.

S No.	Course Title	Credit Hours
1	SSLA Elective I	3
2	Culminating Experience/SSLA Elective II	3
3	Culminating Experience/SSLA Elective III	3

D. CONCENTRATION CORE

S No.	Course Title	Credit Hours
1	Concentration Core I	3
2	Concentration Core II	3
3	Concentration Core III	3
4	Capstone/Research Methods Course	3

The following core courses are offered in each concentration:

History

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	From Empires to Nation-States: A History of the Pre-20th Century World	HST301	3	SSC232
2	Topics in Historiography	HST302	3	SSC232
3	Twentieth Century Global History	HST303	3	SSC232
4	Research Methods in History: Primary Source Genres	HST304	3	SSC232

Psychology

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Human Development	PSY302	3	SSC218
2	History and Systems of Psychology	PSY304	3	SSC218
3	Introduction to Social Psychology	PSY377	3	SSC218
4	Research Methods in Psychology	PSY301	3	SSC218

Media and Culture

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Critical Theories and Methods	MCS-340	3	SSC216
2	Critical Media Practice I: Digital Image, Sound and Story	MCS-311	3	SSC216
3	Critical Media Practice II: Multimodal Publication & Design	MCS-312	3	SSC216
4	Media Aesthetics and History: Film, TV and Digital Media	MCS-310	3	SSC216

Political Science

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	History of Political Thought	POL302	3	SSC217
2	International Relations	SSC111	3	-
3	Comparative Politics	POL303	3	SSC217
4	Research Methods in Political Science	POL301	3	SSC217

Anthropology-Sociology

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Anthropology of Politics: Power, Self, and Everyday Life	ASO301	3	SSC233
2	The Craft of Ethnography: Imaginations, Contestations, Speculations	ASO302	3	SSC233
3	Contemporary Social Theory	ASO303	3	SSC233
4	Research Methods in Sociology and Anthropology	ASO304	3	SSC233

Literary Studies

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Mangoes, Monsoons, and Other Metonyms: An Introduction to South Asian Literature	LTS301	3	SSC401
2	Principles of Literary Theory and Criticism	LTS302	3	SSC401
3	Mangoes, Monsoons, and Other Metonyms: An Introduction to South Asian Literature	LTS303	3	SSC401
4	Research Methods in Literary Studies	LTS304	3	SSC401

CONCENTRATION ELECTIVES

S No.	Course Title	Credit Hours
1	Concentration Elective I	3
2	Concentration Elective II	3
3	Concentration Elective III	3
4	Concentration Elective IV	3
5	Concentration Elective V	3
6	Concentration Elective VI	3

The following courses have been offered in the past. A combination of old and new courses is made available every semester.

History S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	1947/1971: Interrogating Partitions, Narrative Selves	HUM-371	-	3
2	Environmental Histories of Empire: Water, Land and Power	HST-351	-	3
3	Indian Oceans History	HST-361	-	3
4	Intellectual and Cultural History of Muslim Spain	HUM-373	-	3
5	Labour, Capital and Colonialism: The Making of Modern South Asia	HST-355	-	3
6	Language, History and Politics	HST-359	-	3
7	Law Colonialisms and Violence	HUM-472	-	3
8	Spirituality in Islam: Classical Texts and Themes	HUM-453	-	3
9	Sufi Trends and Reform in South Asia	HUM-490	-	3
10	Sufis, Steppe Nomads and Silk Roads: A History of Islamic Central Asia	HUM-381	-	3
11	The Making of the Mughal Empire: An Intellectual and Cultural History	HUM-369	-	3
12	The Ottoman, Safavid, and Mughal Empires	HST-354	-	3
13	The People and Politics of the British Empire, c. 1784-1997	HST-362	-	3
14	The Persian Literary Culture of Lahore in the Ghaznavid Period (977-1186)	HUM-384	-	3
15	The Questions of Citizenship and the Post-Colonial Subject	POL-404	-	3
16	Topics in Medieval Muslim Culture	HUM-389	-	3
17	Women and Gender in South Asian History	HST-360	-	3

Psychology S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Child and Adolescent Mental Health	PSY-380	3	SSC-218
2	Clinical Psychology	PSY-370	3	SSC-218
3	Cognitive Psychology	PSY-359	3	SSC-218
4	Counseling Psychology	PSY-365	3	SSC-218
5	Educational Psychology	PSY-368	3	SSC-218
6	Forensic and Criminal Psychology	PSY-376	3	SSC-218
7	Foundations of Psychology: Lab Applications	PSY-387	3	SSC-218
8	From Gestures to Fluency: The Miracle of Language Development	PSY-382	3	SSC-218
9	Group Analysis: Theoretical & Applied Perspectives	PSY-356	3	SSC-218
10	Introduction to Testing	PSY-379	3	SSC-218
11	Mind, Matter, Media: A Socio-Cognitive Approach	PSY-385	3	SSC-218
12	Organizational Psychology	PSY-384	3	SSC-218
13	Personality Psychology	PSY-367	3	SSC-218
14	Physiological Psychology	PSY-371	3	SSC-218
15	Positive Psychology	PSY-369	3	SSC-218
16	Psychoanalytic Psychology	PSY-386	3	SSC-218
17	Urban Mental Health	PSY-378	3	-

Media and Culture S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Analyzing the News	MCS-355	3	-
2	Digital Activism and Democracy	MCS-366	3	-
3	Documentary Craft and Practice	SSC-350	3	-
4	Environmental Communication	MCS-452	3	-
5	Film Theory: Women Directors	MCS-360	3	-
6	Foundations of Screenwriting	MCS-364	3	-
7	Introduction to Photojournalism	MCS-386	3	-
8	Journalism and Society	MCS-387	3	-
9	Lights, Camera, History! Representations of Medieval South Asia in Bollywood	MCS-350	3	-
10	Media, Law and Ethics	MCS-352	3	-
11	Museum, Heritage, and Visual Culture	MCS-385	3	-
12	New Media and Citizen Journalism	MCS-383	3	-
13	Para-Journalists in the Digital World	MCS-356	3	-
14	Political Communication	MCS-384	3	-
15	The Making of the Suspense Thriller: Hitchcock's Obsessions & Cinematic Craft	MCS-388	3	-
16	Visualization & Storytelling	MCS-385	3	-
17	Watching Films	MCS-359	3	-

Political Science S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Asia in World Politics: Security Dynamics and China's Systemic Centralism	POL-383	3	-
2	China's Contemporary Security Environment	POL-378	3	-
3	Constitutional Development in Pakistan	POL-382	3	-
4	Ethnic Politics and Conflict	POL-356	3	-
5	Giving and Misgivings: Explorations in Charity, Humanitarianism, and Development	POL-406	3	-
6	Human Rights and Law	POL-355	3	-
7	National Security Process	POL-340	3	-
8	Negotiation and Conflict Resolution	POL-372	3	-
9	Pakistan's Foreign Policy	POL-362	3	-
10	Political Islam in the Middle East	POL-384	3	-
11	Political Sociology of Modern Sindh	POL-380	3	-
12	Power and Culture in Human Society	HUM-496	3	-
13	Terrorism and Counterterrorism	POL-351	3	-
14	Transnational Islamic Politics in the Post-9/11 World	POL-451	3	-
15	Violence and Civil War	POL-357	3	-
16	War: Conceptual Underpinnings	POL-354	3	-
17	Winners, Losers, and Bystanders: Political Economy Perspectives on Global Changes	POL-450	3	-

Anthropology-Sociology S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Anthropology of Body and Society	SOC-354	3	-
2	Anthropology of Religion, Magic & Witchcraft	HUM-365	3	-
3	Becoming 'Good' Muslims: An Anthropological Lens	SOC-352	3	-
4	Between Virtue and Visibility: Gender, Faith, and Power across Muslim Worlds	HUM-376	3	-
5	Environmental Anthropology	HUM-455	3	-
6	Environmental Sociology: Power, Culture, Nature	-	3	-
7	Power and Culture in Human Society	HUM-496	3	-

Anthropology-Sociology S No.	Course Title	Course Code	Credit Hours	Prerequisite
8	Precarious Lives, Possible Futures: Anthropological Explorations of Health & Power in Entangled Worlds	HUM-367	3	-
9	Social Inequality: Class, Status, and Power	-	3	-
10	Sociology of Health and Illness	-	3	-
11	The Black Mirror: Topics in Cyberanthropology	-	3	-
12	Urban Sociology	HUM-475	3	-
13	Wohi Khuda Hai: Religion, Ritual, and the Unseen	-	3	-

Literary Studies S No.	Course Title	Course Code	Credit Hours
1	A Textual Introduction to Rumi	HUM-385	3
2	Apocalypse: Past and Present	HUM-495	3
3	Borders and Boundaries: South Asian & MiddleEastern Feminist Fiction	HUM-375	3
4	Decolonizing Narratives: African Literature & the Politics of Identity	HUM-491	3
5	Dystopian Fiction: Visions of (Dis)Order	HUM-483	3
6	Eco-Gazes: Power and Postcolonial Critique in Elizabeth Bishop's Poetry	HUM-356	3
7	Female Friendship in World Literature	HUM-458	3
8	Fiction in Translation: Hybrid Voices in Global Literature	HUM-499	3
9	Fragments, Footnotes and Other Forms in Fiction	HUM-481	3
10	Freaks, Geeks and Monsters: Exploring the Role of the Other in Fiction	HUM-341	3
11	Literary Movements: From Romanticism to Postmodernism	HUM-467	3
12	Pakistani Contemporary Literature in English	HUM-463	3
13	Poetry Makes Nothing Happen: Poetry in the Age of Artificial Intelligence	HUM-482	3
14	Postcolonial Science Fiction and Fantasy	HUM-461	3
15	Reading Three Poetic Giants: Ghalib, Iqbal and Faiz	HUM-358	3
16	World Literature and the Indian Subcontinent	HUM-489	3

E. INTERDISCIPLINARY/ALLIED CORE

S No.	Course Title	Credit Hours
1	Calculus I	3
2	Foreign Language I	4
3	Foreign Language II	4

INTERDISCIPLINARY/ALLIED ELECTIVE

Students must select one Interdisciplinary elective from outside the Department of SSLA. Interdisciplinary courses are offered in complementary disciplines to reinforce the notion of interdisciplinary competency and to support the major's horizon.

S No.	Course Title	Credit Hours
1	Interdisciplinary/Allied Elective	3

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Calculus	MTS104	3	-	Interdisciplinary Core
2	Critical Reading and Writing	SSC101	3	-	General Education
3	Fundamentals of Sociology	SSC231	3	-	General Education
4	Introduction to Historical Methods	SSC232	3	-	SSLA Core
5	History of Ideas	SSC239	3	-	Supporting Cor
6	College Algebra*	Deficiency course for non-math students			

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

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Intro to Statistics	MTS102	3	-	General Education
2	Rhetorical Modes of Writing	SSC106	3	SSC101	Supporting Core
3	Intro to Psychology	SSC218	3	-	SSLA Core
4	South Asian History	SSC221	3	-	General Education
5	Intro to Computer Applications	MIS103	3	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Speech Communication	HUM201	3	-	General Education
2	Statistical Inference	MTS202	3	MTS102	General Education
3	Pakistan History	SSC151	2	-	General Education
4	Islamic Scholarly Traditions (IST /Philosophy Logic and Ethics (PLE)	SSC301/ HUM357	2	-	General Education
5	Natural Science Elective	-	3	-	General Education
6	Introduction to Social and Cultural Anthropology	SSC233	3	-	SSLA Core

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Entrepreneurship	MGT103	2	-	General Education
2	Civic &Community Engagement	SSC215	2	-	General Education
3	Introduction to Media & Culture	SSC216	3	-	SSLA Core
4	Introduction to Political Science	SSC217	3	-	SSLA Core
5	Introduction to Urban Studies	SSC234	3	-	SSLA Core
6	Introduction to Literary Studies	SSC401	3	-	SSLA Core

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Responsible Citizen Initiative	-	-	-	Internship

F. Responsible Citizen Initiative

The Responsible Citizen Initiative, commonly known as the social internship, is a 6 weeks (120 hours) mandatory social internship required for all students enrolled in their undergraduate programs. The students need to work in a social sector organization, NGO, community-based organization, or any charitable institute in Pakistan ideally during summer break or during the course of their study. All internship requirements for must be completed before the 7th semester. Students may not undertake the social internship and the corporate/research internship at the same time.

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Concentration Core I	-	3	-	Concentration core
2	Concentration Core II	-	3	-	Concentration core
3	Foreign Language I*	-	4	-	Interdisciplinary /Allie d Core
4	Computational Research Methods	SSC-302	3	MTS202	Supporting Core
5	Humanities Elective I	-	3	-	Supporting Elective

*Students may select from various languages offered each term, including Persian, Arabic, French, German, Italian, Spanish, and Mandarin.

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Concentration Core III	-	3	-	Concentration Core
2	Research Methods Concentration Core	-	3	-	Capstone
3	Concentration Elective I	-	3	-	Concentration Elective
4	Foreign Language II*	-	4	-	Interdisciplinary/ Allied Core
5	Interdisciplinary Elective	-	3	-	Interdisciplinary/ Allied Elective
6	Personal Effectiveness Workshops	SSC-240	-	-	-

*Students may select from various languages offered each term, including Persian, Arabic, French, German, Italian, Spanish, and Mandarin.

G. PERSONAL EFFECTIVENESS WORKSHOPS

Personal Effectiveness is offered in the 6th semester for BS SSLA students. This is a non-credit course and is a graduation requirement. It consists of five 2-hour workshops distributed over the whole semester.

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Corporate/Research Internship	-	3	-	Internship

Students must engage in a Corporate or Research internship of 03 credit hours after completing their 6th semester of coursework, preferably during the summer break. A faculty member from SSLA will grade them.

Semester-wise Sequence of Courses

H. CORPORATE/RESEARCH INTERNSHIP

Students must engage in a Corporate or Research internship of 3 credit hours after completing 60 credit hours of coursework, preferably during the summer break. All internship requirements for must be completed before the 7th semester. Students may not undertake the social internship and the corporate/research internship at the same time.

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Concentration Elective II	-	3	-	Concentration Elective
2	Concentration Elective III	-	3	-	Concentration Elective
3	Concentration Elective IV	-	3	-	Concentration Elective
4	SSLA Elective I	-	3	-	SSLA Elective
5	SSLA Elective II (for students not pursuing research)	-	3	-	SSLA Elective
6	Culminating Experience (for students pursuing research)*	-	0	-	SSLA Elective

*Only students who have a CGPA of 3.0 or above and a minimum grade of A- in their Research Methods capstone project may opt for CE.

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Concentration Elective V	-	3	-	Concentration Elective
2	Concentration Elective VI	-	3	-	Concentration Elective
3	Humanities Elective II	-	3	-	Supporting Elective
4	SSLA Elective (for students not pursuing research)	-	3	-	SSLA Elective
5	Culminating Experience (for students pursuing research)*	-	6	-	SSLA Elective

*Students who pass zero-credit CE in the previous semester can enroll for six-credit CE in their final semester.

Master of Science (MS)
ECONOMICS

The MS Economics program offers a comprehensive foundation in economic theory, quantitative methods, and practical applications tailored for economists engaged in policy planning, analysis, and forecasting across the public and private sectors. Aligned with international benchmarks, its curriculum emphasizes applied economics, addressing the rising demand for skilled economic analysts. Graduates will get the expertise to embark on careers in academia, research institutions, corporate entities, governmental bodies, and multinational corporations.

Eligibility Criteria

For the eligibility criteria, refer to pages 58.

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 the evenings (6:00-9:00 pm).

Teaching/Research Assistant Positions

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

Requirements for MS Economics

MS Courses: 24 credit hours (courses)
MS Thesis: 6 credit hour

Required Courses Course Category	Courses	Credit Hours
Core courses	6	18
Elective courses	2	6
MS Thesis	1	6
Total	9	30

Two foundation/refresher courses of 3 credit hours each will be offered during the summer semester. BS Economics and BS Economics & Mathematics graduates from IBA are exempted from the 2 foundation courses. For other candidates, the admission interview panel will decide which foundation courses are exempted.

S No.	Course Title	Courses	Credit Hours
1	Economics	ECO547	3
2	Mathematics and Statistic	ECO545	3

- These two courses will be offered during the summer semester.
- The student must obtain at least 60% marks (Grade-C minus).
- Admission in MS Economics will be confirmed after passing these courses with at least a B-grade.
- The courses and grades will not be counted in the transcript and CGPA.
- Students must attend classes with at least 75% attendance to be eligible to appear in the final exam.
- Half of the full course fee will be charged for each foundation course.

Semester-wise sequence of courses

Fall Semester		Course Code	Credit Hours
1	Advanced Microeconomics	ECO631	3
2	Advanced Macroeconomics	ECO632	3
3	Econometrics I	ECO537	3
4	Elective I	-	3

Spring Semester		Course Code	Credit Hours
5	Econometrics II	ECO538	3
6	Research Methodology	ECO591	3
7	Development Economics	ECO534	3
8	Elective II	-	3

Fall/Spring Semester		Course Code	Credit Hours
9	MS Thesis*	-	6

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

Course Title	Course Code	Credit Hours	Prerequisite
Financial Economics	ECO562	3	ECO531
International Trade	ECO539	3	ECO531
Issues in Pakistan's Economy	ECO544	3	ECO532
Climate Change Economics	ECO551	3	ECO531
Behavioral Economics	ECO554	3	ECO531
Economic Forecasting	ECO555	3	MTS536
Public Policy Analysis: Theory and Practice	ECO560	3	ECO531/ECO501
Environmental and Resource Economics	ECO561	3	ECO531
Health Economics	ECO563	3	ECO531
History of Economic Thought	ECO564	3	ECO532
Monetary Economics	ECO566	3	ECO532
Public Economics	ECO567	3	ECO531
Time Series Modelling	ECO570	3	MTS5366
Industrial Economics	ECO571	3	ECO531
Game Theory and Competitive Strategy	ECO573	3	ECO531/ECO501
Water Economics and Policy	ECO574	3	ECO531/ECO501
Microeconomics of Public Policy Analysis	ECO575	3	ECO531/EO501
Social Impact Evaluation	ECO577	3	ECO531/ECO501
Behavioral and Experimental Economics	ECO578	3	ECO531
Labour Economics	ECO654	3	ECO531

For further details, visit: https://ececonomics.iba.edu.pk

Master of Science (MS)
DEVELOPMENT STUDIES

MS Development Studies (Dev. Studies) is a multi-disciplinary 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 development strategies.

MS Development Studies provides high-quality and rigorous training needed to understand the methods, policy, and development practices. The program offers a solid multi-disciplinary social science formation in theory, mixed methods, and applications in various development fields. The program is offered by the Department of Social Sciences & Liberal Arts.

This program emphasizes 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.

Eligibility Criteria

For the eligibility criteria, refer to pages 58.

Distribution of Credit Hours

	Courses	Credit Hours
Core Courses	4	12
Elective Courses	4	12
MS Thesis	1	6
Total	9	30

MS Thesis may be replaced with a project and an additional course of three credit hour

Eligibility Criteria

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)
MS Thesis: 6 credit hours. Students who do not wish to opt for writing a thesis can replace it with an MS Project (3 credit hours) and an additional course of 3 credit hours
Course-Based MS: An additional 2 courses (6 credit hours) are required beyond the 8 MS courses (24 credit hours)

Course Category

Course Title	Course Code	Credit Hours	Prerequisite
Theories & Critical Approaches in Development	DEV533	3	-
Anthropology & Development	DEV534	3	-
Policy Analysis: Theory & Practice	DEV535	3	-
Research Methods in Development	DEV536	3	-

Semester-wise Sequence of Courses

Semester - 1 (Fall)		Course Code	Credit Hours	Prerequisite	Course Type
1	Theories and Critical Approaches in Development	DEV533	-	-	Core
2	Research Methods in Development	DEV536	-	-	Core
3	Elective I	-	-	-	Elective
4	Elective II	-	-	-	Elective

Semester - 2 (Spring)		Course Code	Credit Hours	Prerequisite	Course Type
1	Policy Analysis: Theory & Practice	DEV535	-	-	Core
2	Anthropology & Development	DEV534	-	-	Core
3	Elective III	-	-	-	Elective
4	Elective IV	-	-	-	Elective

- End of Year 1 – Summer: - Students will choose an area of interest, a broad research topic and a potential supervisor for their research and must have it approved by 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 the end of summer for eligibility towards graduation.

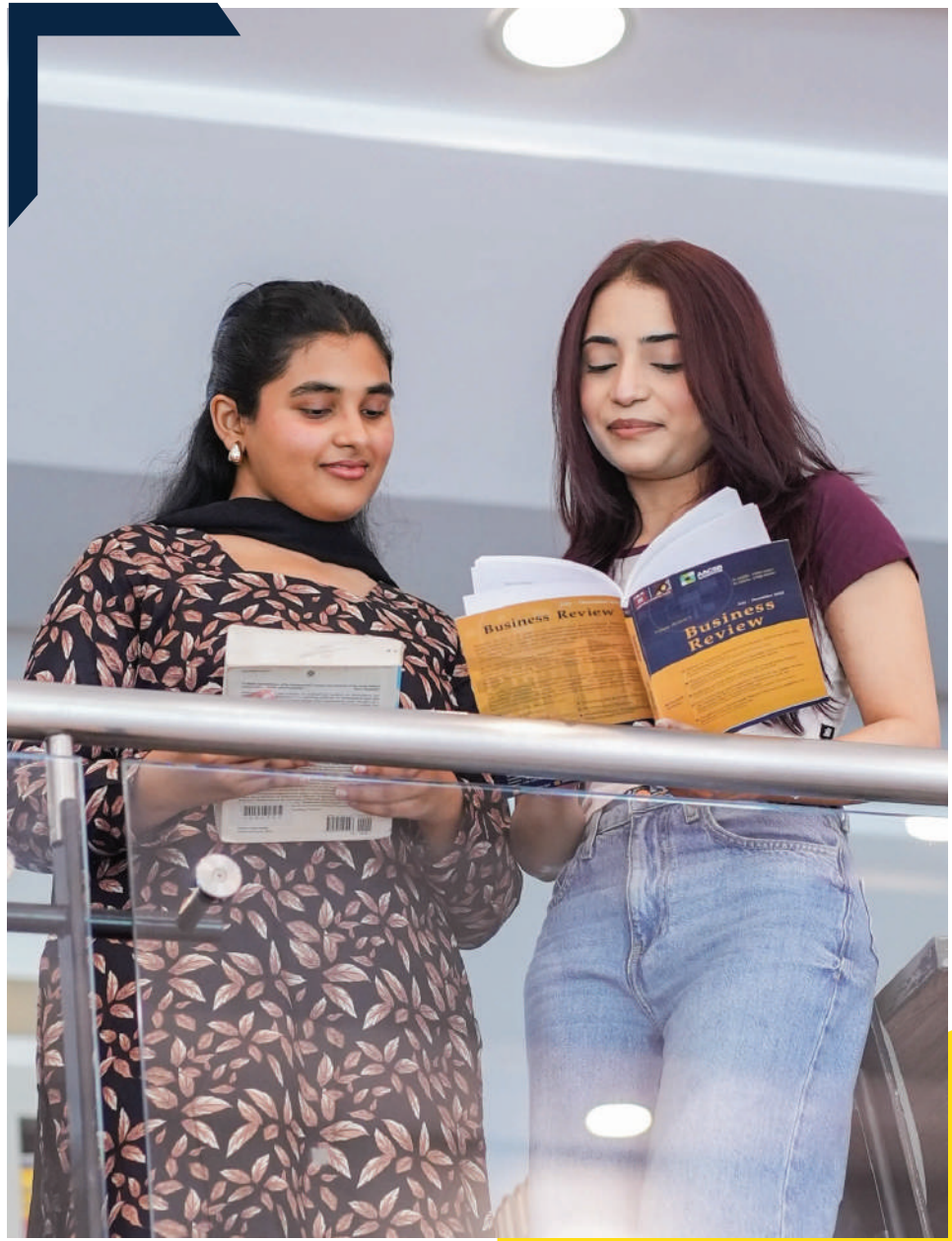
ELECTIVE COURSES

Elective Courses	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
Society & Economy	Political Ecology	DEV567	3
	Leadership in Development	DEV568	3
	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

Core Elective	Course Code	Credit Hours	Prerequisite
Elective I	-	3	-
Elective II	-	3	-
Elective III	-	3	-
Elective IV	-	3	-

Thesis	Course Code	Credit Hours	Prerequisite
MS thesis*	DEV591	6	-

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



Master of Science (MS)
GENERAL PSYCHOLOGY

The MS General Psychology program is for anyone interested in studying psychology at a postgraduate level. The place of psychology is no longer limited to a laboratory or a counselling room. Psychology has applications in diverse areas of health and social care, the educational sector, business and corporate, human resources, and marketing. Interestingly, post-pandemic, it is now also finding its place within the ever-evolving software development market with a peculiar focus on developing mental well-being interventions accessible to people using information technology.

Eligibility Criteria

For the eligibility criteria, refer to pages 58.

Duration

The program is designed for 2 years. However, the maximum time allowed to complete the degree is 4 years. Students will only be admitted as full-time students during the coursework. Classes will be scheduled any day from Monday to Saturday between 9 am and 9 pm.

Course Requirements

- MS Courses: 24 credit hours (8 courses) for all students
- MS Thesis: 6 credit hours
- Mandatory supervised 3 internships
  Each internship: 2 credit hours (96 field hours per internship)
  Total internship: 6 credits hours

Required Courses	Courses	Credit Hours
*Foundation Course	1	0
Core Courses	2	6
Elective Courses	6	18
MS Thesis	1	6
Internship	3	6
Total		36

*Foundation course: Students who may not have a prior background in social sciences and psychology will be required to undertake an additional foundation course.

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Course Type
1	Research Methods	PSY506	3	Core
2	Historical and Contemporary Issues in Psychology: From tradition to technique	PSY502	3	Core
3	Elective 1	-	3	Elective
4	Elective 2	-	3	Elective

Semester - 2		Course Code	Credit Hours	Course Type
1	Elective 3	-	3	Elective
2	Elective 4	-	3	Elective
3	Elective 5	-	3	Elective
4	Elective 6	-	3	Elective
5	Internship 1	-	2	Elective

End of Year 1 – Summer

Semester 3		Course Code	Credit Hours	Course Type
1	MS Thesis	PSY505, PSY576	3	Core
2	Internship 2	-	2	-

Semester 4		Course Code	Credit Hours	Course Type
1	MS Thesis	PSY576	3	-
2	Internship 3	-	2	-

End of Year 2 – Summer

Course Category	Course Title	Course Code	Credit Hours
Core Courses	Research Methods	PSY506	3
	Historical and Contemporary Issues in Psychology: From tradition to technique	PSY502	3
Elective Courses	Behavioral Statistics	PSY503	3
	Psychometrics Testing	PSY504	3
	Professional Orientation and Ethics	PSY505	3
	Trauma, Resilience, and Post-Traumatic Growth	PSY551	3
	Clinical Psychology	PSY552	3
	Counselling Psychology	PSY553	3
	Applied Behavior Analysis	PSY554	3
	Attachment over the Lifespan	PSY555	3
	Developing Psychosocial Interventions	PSY556	3
	Language Development	PSY557	3
	Death and Dying	PSY558	3
	Health Psychology	PSY559	3
	Cognitive Neuroscience	PSY561	3
	Physiological Psychology	PSY562	3
	Cognitive Psychology	PSY563	3
	Learning	PSY564	3
	Decision Making and Problem Solving	PSY565	3
	Positive Psychology	PSY566	3
	Educational Psychology	PSY567	3
	Cyber Psychology	PSY568	3
	Media Psychology	PSY569	3
	Personality Psychology	PSY571	3
	Forensic and Criminal Psychology	PSY572	3
	Group Analytic Psychology	PSY573	3
	Cross Cultural Psychology	PSY574	3
	Organizational Psychology	PSY575	3
MS Thesis	MS Thesis [Year 2]	PSY591	6
Internship		-	6

Core Elective	Course Code	Credit Hours	Prerequisite
Elective I	-	3	-
Elective II	-	3	-
Elective III	-	3	-
Elective IV	-	3	-
Elective V	-	3	-
Elective VI	-	3	-

Master of Science (MS)
JOURNALISM

The Master of Science (MS) in Journalism is the flagship degree program in Journalism at the School of Economics and Social Sciences at IBA. The 1.5-year program allows students to immerse themselves in all forms of Journalism – digital, audio, and video – and gain practical experience in a newsroom under the guidance of experienced instructors. The curriculum, developed in collaboration with the Medill School of Journalism at Northwestern University, is reflective of the fast-changing nature of the media landscape and the technological disruptions it has witnessed in more recent years. Thus, the programme offers students not only a well-rounded experience but also the opportunity to work with the latest technologies being adopted by newsrooms locally and internationally.

Eligibility Criteria

For the eligibility criteria, refer to pages 58.

Duration

The minimum duration of the program is 1.5 years.

Learning Outcomes

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

Required Courses

Course Category	Courses	Credit Hours
Seminars	3	9
Skills courses	4	12
Labs	3	15
Capstone Project	1	3
Total	11	33

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Course Type
1	Digital News Reporting	JOU502	3	Core
2	Governance and Society in Pakistan	JOU503	3	Core
3	News Writing and Reporting	JOU501	3	Core
4	The Profession of Journalism	JOU500	3	Core

Semester - 2		Course Code	Credit Hours	Course Type
1	Current Affairs TV Lab	JOU508	3	Core
2	International Affairs	JOU505	3	Core
3	Multimedia Journalism	JOU506	3	Core
4	Specialized Journalism I	JOU507	3	Core

Semester - 3		Course Code	Credit Hours	Course Type
1	CEJ Newsroom (Summer)	JOU511	3	Core
2	Specialized Journalism II	JOU512	3	Core

Semester - 4		Course Code	Credit Hours	Course Type
1	Capstone Project	JOU600	3	Core
2	Internship	-	-	-

Internship

Each student is required to take part in a professional internship at a respected news/ media organization. The internship will last a minimum of eight weeks and involve at least 12 hours a week.

Doctor of Philosophy (PhD)
ECONOMICS

The PhD in Economics is a fully funded program offering a robust foundation in economic theory, quantitative methodologies, and practical applications, tailored to meet the demands of economists engaged in policy planning, analysis, and forecasting across the public and private sectors. With a focus on Applied Economics, this program responds to the escalating need for skilled economic analysts. Its curriculum adheres to international standards, promising students an intellectually stimulating and personally fulfilling experience. Graduates will spearhead high-quality research in their specialized fields and be well-equipped for diverse career paths spanning academia, research institutions, corporate entities, governmental bodies, and multinational corporations.

Eligibility Criteria

For the eligibility criteria, refer to page 58.

Duration

The minimum duration of the program is 4 years, and the maximum time allowed is 8 years.

Teaching/Research Assistant Positions

The PhD program is a full-time 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 a stipend will be conditional on the satisfactory performance of students. The maximum duration for the stipends will be six years.

Required Courses	Courses	Credit Hours
Core courses	3	12
Elective courses	3	12
Thesis	1	24
Total	7	48

Comprehensive Examinations

A comprehensive examination will consist of microeconomics and macroeconomics. In case of failing 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.

Foundation/Refresher Courses in Summer Semester

First Semester		Course Code	Credit Hours	Course Type
1	Topics in Microeconomic Theory	ECO644	4	Core
2	Topics in Macroeconomic Theory	ECO645	4	Core
3	Econometric Analysis	ECO646	4	Core

Second Semester		Course Code	Credit Hours	Course Type
1	Elective 1	-	4	Elective
2	Elective 2	-	4	Elective
3	Elective 3	-	4	Elective
4	Research Seminar course	-	-	Non-credit Compulsory

By the end of the first 2 semesters (Fall and Spring) a student must achieve a minimum CGPA of 3.0. Any student with a CGPA below 3.0 will be dropped from the program. Additionally, student must enroll in all required courses offered by the Department as part of the PhD Program.

Dissertation Course		Course Code	Credit Hours	Course Type
1	PhD Dissertation	ECO799	24	Core

ELECTIVE COURSES

	Course Title	Course Code	Credit Hours	Course Type
1	Macroeconomics Modelling and Policy Analysis	ECO655	4	Electives
2	Topic in Environmental Economics	ECO649	4	Electives
3	Topics in International Trade	ECO653	4	Electives
4	Advanced Financial Economics	ECO643	4	Electives
5	Topics in Monetary Economics	ECO656	4	Electives
6	Institutions and Development	ECO659	4	Electives
7	Topics in Research Methods	ECO650	4	Electives

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

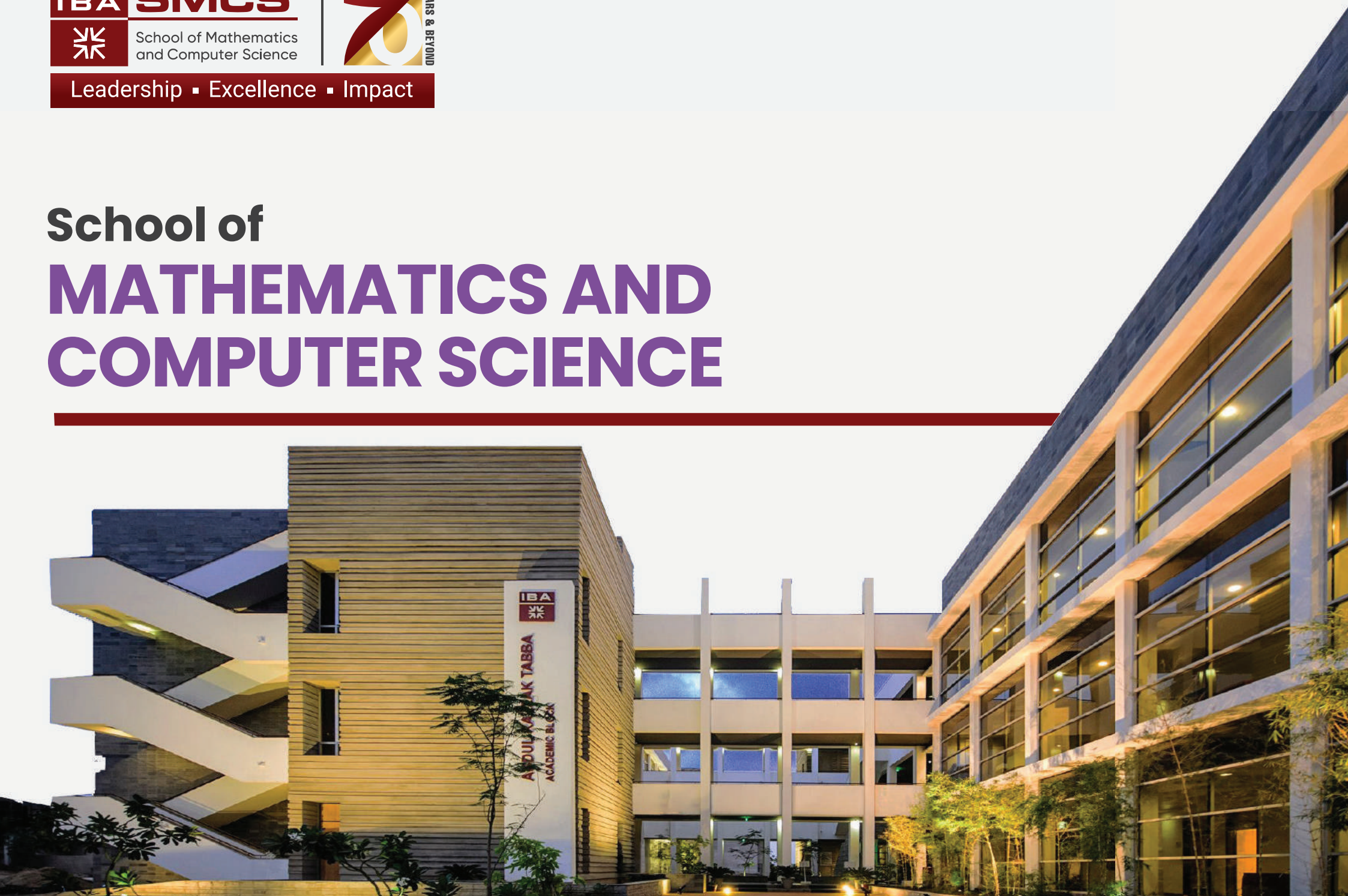
Students are expected to submit and defend their dissertation within two years after successfully completing their coursework.

IBA SMCS
School of Mathematics and Computer Science

70 YEARS & BEYOND

Leadership ▪ Excellence ▪ Impact

School of
MATHEMATICS AND COMPUTER SCIENCE



Message from the

DEAN - School of Mathematics and Computer Science

Dr. Shakeel A. Khoja
Dean - School of Mathematics and Computer Science

Welcome to the School of Mathematics and Computer Science (SMCS) at IBA Karachi.

As you begin this exciting journey, I want you to know one thing above all else. **Our students are at the heart of everything we do**. Every program we design, every research initiative we undertake, and every opportunity we create is driven by a commitment to your growth, success, and future aspirations.

Whether your interests lie in artificial intelligence, data science, algorithms, or mathematics, you will find a program here that both challenges and inspires you.

Our Story: SMCS has been part of IBA's mission since 1983, when the Institute launched one of Pakistan's first Computer Science diplomas to meet the country's growing need for technology professionals. That early vision has since grown into a full suite of BS, MS, and PhD programs in Computer Science, Mathematics, and Data Science — each designed to meet rigorous global academic and industry standards.

What SMCS Offers You: Students at SMCS have access to cutting-edge research labs in Artificial Intelligence, Health Data Analytics, Web Science, and Telecommunications. These facilities exist so that your learning goes beyond the classroom, giving you the chance to work on real problems and contribute to meaningful innovation.

Faculty Who Inspire: Our faculty members are internationally trained scholars and dedicated educators who bring global perspectives and deep expertise to the classroom. More importantly, they serve as mentors, guiding and supporting you throughout your academic journey and helping you realise your full potential.

Our Commitment: As part of IBA's broader mission to develop future-ready professionals, SMCS is committed to helping you become a critical thinker, a problem solver, and an innovator, someone who contributes to Pakistan and to the global scientific community.

Together, we are working to make SMCS a recognised centre of excellence in science and technology. We are glad you are part of that journey.

Overview of Departments

The School of Mathematics and Computer Science (SMCS) of IBA is one of Pakistan's fastest-growing schools for excellence in computer science teaching and research. The SMCS has a qualified faculty of experienced practitioners and researchers who enrich teaching, provide business consultancies, support startups, and prepare students for higher education and industry. The school has state-of-the-art facilities focusing on undergraduate and graduate education. 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 pure and applied mathematics, ranging from high-performance computing to commutative algebra.

Department of Computer Science

The Department of Computer Science is one of the two departments at the School of Mathematics and Computer Science at IBA-Karachi. The department offers bachelor, master, and doctoral degree programs in Computer Science. The department has recently launched a long-awaited master's program in Data Science as well.

The full-time faculty members of the department teach a variety of courses over a wide range of the entire computer science spectrum. Some of the areas of specialization of full-time faculty members are theory, machine learning/AI, quantum computation, computer vision, text analytics, robotics, computer architecture, and human-computer interaction.

Some of the many strengths of the department include its high faculty-to-student ratio, the state-of-the-art facilities, the renowned visiting faculty from the industry to teach industry-specific courses, the strong focus on undergraduate education, and research. The faculty emphasizes interdisciplinary and encourages students to work with them as well as the faculty of other departments and schools.

Graduates from the department join the computing industry, multinational organizations, startups, consulting companies, government services, and nonprofit organizations. The tech industry in Pakistan is quick to offer jobs and internships to the students of the program and often offers them better opportunities for personal and professional growth. Many of our students get enrolled in the graduate programs of the leading universities around the world as well. Moreover, the alumni network of our department is very strong

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

Department of Mathematical Sciences

The Department of Mathematical Sciences is the other department under the umbrella of the School of Mathematics and Computer Science at IBA-Karachi. The department offers undergraduate, graduate, and doctoral programs in mathematics, besides offering teaching services to other departments for basic undergraduate mathematics.

The faculty at the Department of Mathematical Sciences represents a diverse team of mathematicians, statisticians, and physicists, having skills in many different areas of mathematics; these include algebra, analysis, topology, statistics, econometrics, partial differential equations & scientific computing, quantum field theory, gravitation, discrete mathematics, and data analytics.

The department is currently housed in the south wing of the Tabba Academic Center at the main campus of IBA. We have state-of-the-art facilities including classrooms, labs, and seminar lounges. Our computational infrastructure includes modern scientific computing server hardware-based and distributed memory multiprocessing in combination with computational and visualization software libraries for numeric and symbolic computing.

Mathematical Sciences has good local outreach in that we frequently collaborate with local NGOs promoting STEAM (Science, technology, Engineering, Arts, and Mathematics) activities for aspiring young students of all age groups - in addition to carrying out our university research and teaching activities.

The Department of Mathematical Sciences is an exciting place to visit.

Visit website: mathematics.iba.edu.pk.

Programs on Offer

School of Mathematics & Computer Science

Bachelor of Science (BS)

S.No	Information	Computer Science	Mathematics
1	Admission Requirement	Higher secondary school certificate with 60% (Pre-engineering) or A Level with an average of 1B and 2Cs in 3 principal subjects including Mathematics (*check below table for points details) 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 with 60% (Pre-engineering) or A Level with an average of 1B and 2Cs in 3 principal subjects including Mathematics (*check below table for points details) 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)
3	Aptitude Test - Difficulty Level	SAT-I and- SAT-II (Mathematics)	SAT-I and SAT-II (Mathematics)
4	Aptitude Test Exemption**	- Refer to the next page	- Refer to the next page
5	Student Profile	Avg. age: 19	Avg. age: 19
6	Graduation Requirement	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
7	Fees	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php
8	Classes Start	August	August
9	Duration	4 Years Full Time	4 Years Full Time
10	Campus	Main/City	Main/City
11*	A Level Grade Requirements		

Minimum Subjects	SMCS Requirement	Grade Acceptance	Mathematics Requirement	A/A*	B	C	D
At least three subjects	Avg. 1 B & 2 Cs (min. 7 points)	E/U not accepted. A maximum of one D grade allowed.	Mandatory; must meet required grade range for BS CS,BS Mathematics, BS EM, BS EDS	4 Points	3 Points	2 Points	1 Points

Criteria for
IBA Aptitude Test Exemptions

BBA, BSAF, BSBA, BSCS, BSMT, BSECO, BSSS & BSEM - SAT 1

- Direct admission or qualification for an interview based on SAT scores is not guaranteed. There is no minimum SAT score required for aptitude test exemption, and only the top SAT scorers in the SAT merit list will be granted direct admission or called for an interview.

  While you may choose to skip the IBA's aptitude test if you're confident in your SAT performance, we strongly encourage all candidates to take the IBA test to improve their chances of admission. If you skip the IBA aptitude test and apply solely based on your SAT scores and do not qualify for direct admission or an interview as per merit list, you will be placed on the list of unsuccessful candidates. The SAT merit list will be compiled and announced along with the IBA aptitude test result.

  Therefore, if you believe your SAT score is not among the top, we recommend appearing for the aptitude test as well.

BBA program– ACT

- A Composite Score of 29 (out of 36)
- An English / Writing Score of 25 (out of 36)

BSAF, BSCS, BSECO, and BSEM program – ACT

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

Programs on Offer

School of Mathematics & Computer Science

		Master of Science (MS)			Doctor of Philosophy (PhD)	
S.No	Information	Computer Science	Data Science | Artificial Intelligence	Mathematics	Computer Science	Mathematics
1	Admission Requirement	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 a 2.5 CGPA on a scale of 4.00 or 60% marks in the last degree (whichever is applicable). Percentage is only considered if CGPA is not available. Note: All international certificate/ degree holders must provide an equivalency certificate from IBCC/HEC.	Applicant must have a minimum 16 years of education in the relevant subject of Science or Management or Engineering or Social Sciences or Health Informatics (including but not limited to Computer Science, Statistics, Economics, BBA, Mathematics, Accounting & Finance, Physics, Electrical Engineering, Electronics Engineering, etc.) with a minimum CGPA of 2.5 out of 4 (in a semester-based system), or 60% marks (in annual system) in their last degree. Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.	Full Time | Part Time 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 or a scale of 4.00 Or 60% marks in the last degree (whichever is applicable). Percentage is only considered if CGPA is not available. Note: All international certificate/ degree holders must provide an equivalency certificate from IBCC/HEC.	MS/MPhil/equivalent in relevant subject from HEC recognized local/ foreign university with: minimum 60% aggregate marks (Percentage is only considered if CGPA is not available) in the last degree A minimum 3.0 CGPA on a scale of 4.00 in the last degree where applicable or also must fulfill specific requirements by the respective departments Note: All international certificate/degree holders must provide an equivalency certificate from IBCC/HEC.	
2	Aptitude Test Component	■ English composition (MCQs) ■ Mathematics (MCQs)	For NON-CS stream only ■ English (MCQs) ■ Mathematics (MCQs) For CS stream only ■ English (MCQs) ■ Mathematics (MCQs) ■ Computer Science (MCQs)	■ English composition (MCQs) ■ Mathematics (MCQs)	■ English composition (MCQs) ■ Mathematics (MCQs) ■ Subject specialization	■ English composition (MCQs) ■ Mathematics (MCQs)
3	Aptitude Test - difficulty level	GRE general + specialization	GRE general	TOEFL or IELTS GRE (int) math subjective test	CS Subject Test	TOEFL or IELTS GRE Math subjective test
4	Aptitude test Exemption**	160 in quantitative and 150 in verbal GRE (int'l)	Minimum 600 score in GMAT / 160 in Quantitative & 150 in the Verbal section of GRE required	60 percentile in GRE (int'l) Maths subjective test	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 20s	Avg. age: mid 20s	Avg. age: 26	Avg. age: 26
6	Graduation Requirement	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)	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)	6 core courses. 2 electives, 24 credit hours. thesis 6 credit hours	8 courses, 18 credit hours, comprehensive exam. Proposal Defense, and Dissertation. 12 credit hours	6 courses. 18 credit hours, comprehensive exam, dissertation
7	Fees	Click here to view the fee structure: https://www.iba.edu.pk/fee-structure.php				
8	Classes Start	August	August	August	August	August and January
9	Duration	2 Years	2 Years	2 Years	4 Years	4 Years
10	Campus	Main / City	Main / City	Main / City	Main / City	Main / City

Bachelor of Science (BS)
COMPUTER SCIENCE

The Bachelor of Science (BS) in Computer Science is a comprehensive 4-year degree designed to develop skilled professionals with strong problem-solving capabilities in Computer Science (CS) and related fields. This program also prepares students for roles in research and development. The curriculum consists of 135 units, distributed as follows: general education (19 units), CS core courses (56 units), CS electives (21 units), program core courses (21 units), and general electives (9 units).

The program's core and general elective courses are from supporting disciplines such as Mathematics, Statistics, Physics, Accounting, Economics, Finance, Human Resource Management, Marketing, Management, and Social Sciences & Liberal Arts. This diverse selection of core and elective courses is carefully structured to give students the flexibility to pursue a professional career path that aligns with their interests.

Graduates of the CS program have successfully launched entrepreneurial start-ups and secured positions in esteemed software houses, ICT companies, financial institutions, business solution providers, and multinational corporations.

Curriculum Structure

Duration	4 years
Semesters	8
Courses	41
Final Year Project	1
Internship	1
Personal Effectiveness	1

Required Courses, Internships & Project

Section	Course Title	Courses	Credit Hours
A	General Education	08	19
B	CS Core	16	56
C	CS Electives	07	21
D	Program Core	07	21
E	General Electives	03	09
F	Final Year Project	01	06
G	Internship	01	03
H	Personal Effectiveness	01	-
	Total		135

Eligibility Criteria

For the eligibility criteria, refer to pages 93-94.

A. GENERAL EDUCATION COURSES

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Entrepreneurship	MGT-421	2	-
2	Civic and Community Engagement	SSC-215	2	-
3	Islamic Scholarly Tradition/Philosophy Logic and Ethics (Islamic Studies/Ethics)	SSC-301, HUM-357	2	-
4	Pakistan History (Ideology & Constitution of Pakistan)	SSC-153	2	-
5	Art and Humanities	-	2	-
6	Speech Communication	HUM-201	3	-
7	Business Communication	MGT-211	3	-
8	Social Science Elective– Select from a pool of Social Science courses	-	3	-

*All Muslim students must register for Islamic Scholarly Tradition (IST), Non-Muslim students may take Philosophy Logic and Ethics (PLE).

B. CS CORE COURSES

S No.	Course Title	Courses Code	Credit Hours	Prerequisite
1	Introduction to Computing	CSE101	3	-
2	Introduction to Programming	CSE141	4	-
3	Object Oriented Programming Techniques	CSE142	4	-
4	Database Systems	CSE341	4	-
5	Digital Logic Design	CSE241	4	-
6	Data Structures	CSE247	4	-
7	Information Security and Ethics	CSE468	3	-
8	Introduction to Artificial Intelligence	CSE307	3	-
9	Computer Communication & Networking	CSE248	4	-
10	Software Engineering	CSE312	3	-
11	Computer Architecture & Assembly Language	CSE345	4	-
12	Operating Systems	CSE331	3	-
13	Design & Analysis of Algorithm	CSE317	3	-
14	Theory of Automata	CSE309	3	-
15	Human Computer Interaction	CSE407	3	-
16	Parallel and Distributed Computing	CSE467	4	-

C. CS ELECTIVE COURSES

Students can select any of the seven CS elective courses. Currently, the following elective courses are being offered

S No.	Course Title	Courses Code	Credit Hours	Prerequisite
1	Web Based Application Development	CSE308	3	CSE341
2	Application Development for Mobile Devices	CSE450	3	-
3	Technology Product Development	CSE466	3	CSE312
4	Compiler Construction	CSE475	3	-
5	Competitive Programming	CSE465	3	CSE247
6	Rust Programming	CSE356	3	CSE142
7	Design Patterns	CSE318	3	CSE247
8	Software Architecture & Design	CSE476	3	-
9	Introduction to DevOps	CSE474	3	-
10	Data Warehousing	CSE343	3	CSE341
11	Business Intelligence	CSE459	3	CSE307
12	Introduction to Computer Vision	CSE454	3	CSE248
13	Introduction to Image Processing	CSE462	3	CSE247
14	Introduction to Machine Learning	CSE472	3	-
15	Neural Networks and Deep Learning	CSE471	3	CSE307
16	Introduction to Text Analytics	CSE473	3	-
17	Introduction to Network Data Analysis	CSE469	3	-
18	Robotics	CSE460	3	CSE307
19	Introduction to Blockchain	CSE355	3	-
20	Computer Graphics	CSE352	3	-
21	Game Design and Development	CSE353	3	-
22	Elements of Game Design	CSE358	3	-
23	Introduction to Cryptography	CSE470	3	-
24	Computer Security	CSE357	3	-
25	Network Security	CSE455	3	CSE341
26	Introduction to Bioinformatics	CSE463	3	CSE247

D. PROGRAM CORE

S No.	Course Title	Courses Code	Credit Hours	Prerequisite
1	Calculus I	MTS101	3	-
2	Calculus II	MTS113	3	-
3	Discrete Mathematics	MTS211	3	-
4	Introduction to Statistics	MTS102	3	-
5	Linear Algebra	MTS203	3	-
6	Numerical Analysis	MTS306	3	-
7	Physics	SCI102	3	-

E. GENERAL ELECTIVE

Students must select three general courses (at least nine credit hours) from any discipline other than Computer Science, including: Mathematics, Statistics, Accounting, Economics, Finance, Marketing, Management, Social Sciences & Liberal Arts.

F. FINAL YEAR PROJECT

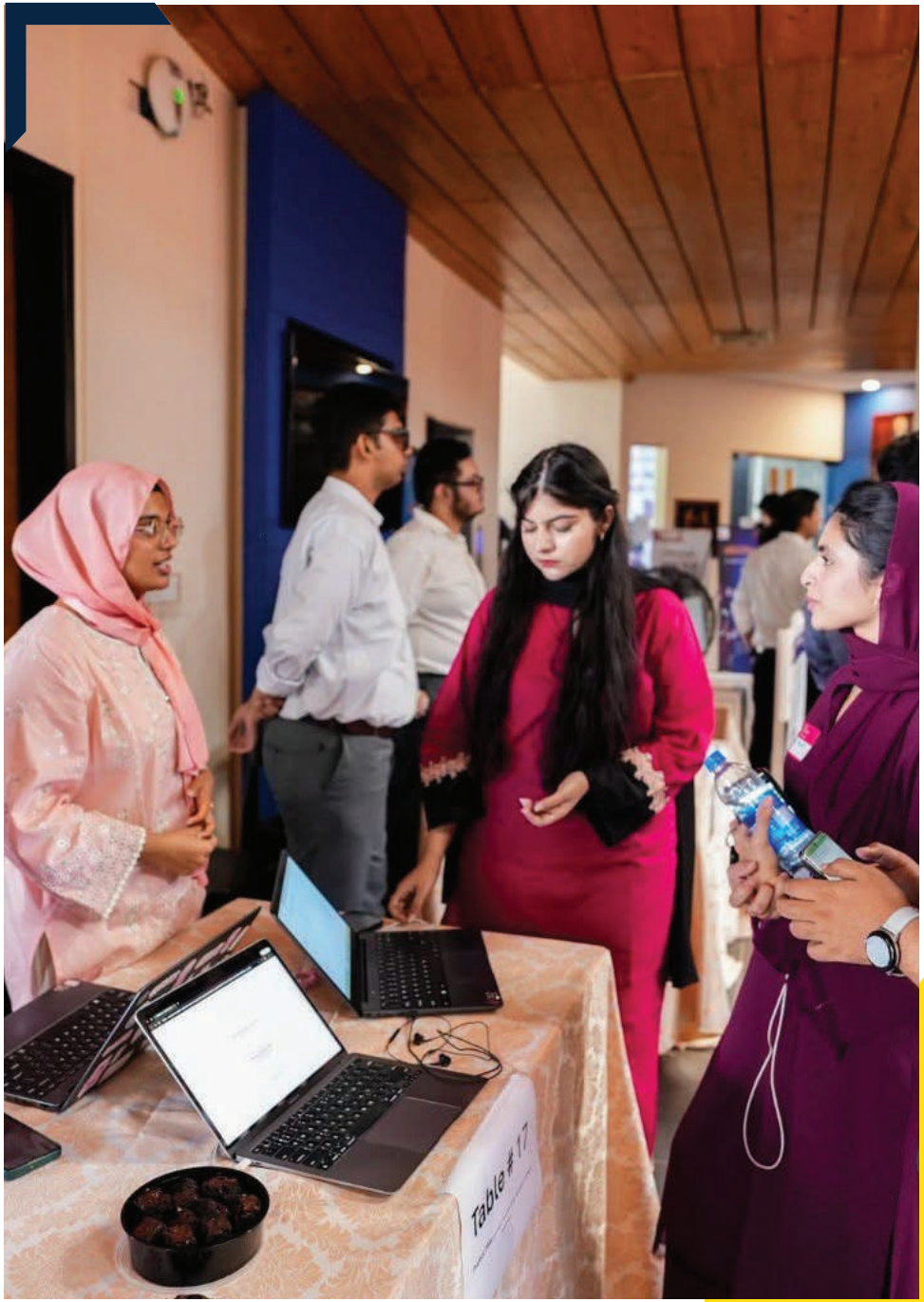
Students must complete a final year project of 06 credit hours as a compulsory degree requirement.

G. INTERNSHIP

Students must engage in a corporate internship of 03 credit hours after completing their 6th semester of coursework, preferably during the summer break

H. PERSONAL EFFECTIVENESS

Personal Effectiveness is offered in the 6th semester for BS Computer Science students. This is a non-credit course and is a part of the graduation requirement. It consists of five 2-hour workshops distributed over the whole semester.



Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Introduction to Computing	CSE101	3	-	CS Core
2	Introduction to Programming	CSE141	4	-	CS Core
3	Calculus-I	MTS101	3	-	Program Core
4	Introduction to Statistics	MTS102	3	-	Program Core
5	Islamic Scholarly Tradition	SSC301	2	-	General Education
6	Civics & Community Engagement	SSC215	2	-	General Education

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Object Oriented Programming Techniques	CSE142	4	CSE141	CS Core
2	Speech Communication	HUM201	3	-	General Education
3	Physics	SCI102	3	-	Program Core
4	Discrete Mathematics	MTS211	3	MTS101	Program Core
5	Calculus-II	MTS113	3	MTS101	Program Core
6	Arts and Humanities	-	2	-	General Education

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Digital Logic Design	CSE142	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	MTS211	3	MTS113	Program Core
5	Social Science Elective	-	3	-	General Education

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Introduction to Artificial Intelligence	CSE307	3	CSE247	CS Core
2	Computer Communication & Networking	CSE248	4	CSE101, CSE142	CS Core
3	Theory of Automata	CSE309	3	CSE141, MTS211	CS Core
4	Computer Architecture & Assembly Language	CSE345	4	CSE241, CSE247	CS Core
5	Pakistan History	SSC151	2	-	General Education
6	Entrepreneurship	MGT103	2	-	General Education

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Software Engineering	CSE312	3	CSE247	CS Core
2	Operating Systems	CSE331	3	CSE345	CS Core
3	Database Systems	CSE341	4	CSE247	CS Core
4	Business Communication	MGT211	3	HUM201	General Education
5	CS Elective-I	CSE-	3	-	CS Elective

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	Design & Analysis of Algorithm	CSE317	3	CSE247	CS Core
2	Parallel & Distributed Computing	CSE467	4	CSE331	CS Core
3	CS Elective-II	CSE-	3	-	CS Elective
4	CS Elective-III	CSE-	3	-	CS Elective
5	General Elective-I	-	3	-	General Elective
6	Personal Effectiveness	SSC240	-	-	-

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Internship	-	3	-	Internship

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Human Computer Interaction	CSE407	3	CSE312	CS Core
2	Final Year Project - CS	CSE493	-	CSE312, CSE341	-
3	CS Elective-IV	CSE-	3	-	CS Elective
4	CS Elective-V	CSE-	3	-	CS Elective
5	General Elective-II	-	3	-	General Elective

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	Information Security and Ethics	CSE468	3	MGT211	CS Core
2	Final Year Project - II	CSE494	6	CSE493	-
3	CS Elective-VI	CSE-	3	-	CS Elective
4	CS Elective-VII	CSE-	3	-	CS Elective
5	General Elective-III	-	3	-	General Elective

New Minor Programs

The department of Computer Science offers minors in the following areas

- Data Science
- Computer Science
- Software Engineering

General Requirements for a Minor

The minor programs consist of courses students must complete to earn the minor. The general requirements for a minor are as follows:

- Students opting for a minor must have a minimum CGPA of 3.0/4.0.
- Students opting for a minor must have done the following courses (in computing and mathematics) with a minimum grade point of 3.0/4.0:

Course Title	Course Code
Introduction to Computer Applications	MIS103*
Calculus - I	MTS101
Calculus - II	MTS113
Linear Algebra	MTS203
Introduction to Statistics	MTS102

*The revised curriculum, as of Fall 2023.

- The minor will consist of 5 courses (≥ 15 credit hours).

These minor programs are mainly designed for IBA students interested in computing but not majoring in computer science. The minors will provide them with a foundational understanding of computing concepts and skills, which can complement their major field of study. Since all students at IBA undergo rigorous training in quantitative methods, the minors will build on this foundation and provide students with a more in-depth understanding of computing and its applications.

Core and Elective Courses for Data Science Minor

Students opting for a minor in data science must complete the following courses:

Course Title	Course Code
Data Structures	CSE247
Database Systems	CSE341
Introduction to Machine Learning	CSE472
Business Intelligence / Data Warehousing	CSE343

Note: The other course can be taken as an elective.

Elective Courses for Data Science Minor

Students must choose one course from the following list (subject to availability)

Course Title	Course Code
Introduction to Computer Vision	CSE454
Neural Networks and Deep Learning	CSE471
Introduction to Text Analytics	CSE473
Any other program approved 3xx/4xx level course in computer science	-

Core and Elective Courses for Computer Science Minor

Students opting for a minor in computer science must complete the following course:

Core Courses for Computer Science Minor

Course Title	Course Code
Data Structures	CSE 247
Design and Analysis of Algorithms	CSE 317
Database Systems	CSE 341

Elective Courses for Computer Science Minor

Students must choose one course from the following list (subject to availability)

Course Title	Course Code
Computer Communication and Networking	CSE248
Web Based Application Development	CSE308
Theory of Automata	CSE309
Software Engineering	CSE312
Operating Systems	CSE331
Application Development for Mobile Devices	CSE450
Introduction to Cryptography	CSE470
Introduction to Machine Learning	CSE472
Cloud Computing	CSE584
Any other program approved 3xx/4xx level course in computer science	-

Core and Elective Courses for Software Engineering Minor

Students opting for a minor in software engineering must complete the following courses:

Core Courses for Software Engineering Minor

Course Title	Course Code
Data Structures	CSE247
Software Engineering	CSE312
Database Systems	CSE341

Elective Courses for Software Engineering Minor

Students must choose one course from the following list (subject to availability)

Course Title	Course Code
Web Based Application Development	CSE308
Application Development for Mobile Devices	CSE450
Introduction to DevOps	CSE474
Software Architecture	CSE476
Software Project Management	CSE503
Software Quality Assurance	CSE566
Any other program approved 3xx/4xx level course in computer science	-

Bachelor of Science (BS)
MATHEMATICS

The 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 aligns with the current standard structure of the BS-Math programs worldwide, while keeping in line with HEC guidelines. Regular academic and 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, 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, education, or industry career. 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 93-94.

Curriculum Structure

Duration	4 years
Semesters	8
Courses	46
Research Project	1
Total credit hours	136 or 137

Program Structure

S.No.	Course Title	Courses	Credit Hours
1	University Core	4	12
2	Mathematics Core	18	54
3	Mathematics Elective	6	18
4	Program Core	2	6 or 7
5	Computing Core	3	11
6	Social Science Core	1	2
7	Arts & Humanities	1	2
8	Free Elective	7	21
9	Final Year Project	1	3
10	Internship	1	3
11	Entrepreneurship	1	2
12	Civic and community engagement	1	2
	Total	46	136/137

Mathematics Elective

Course Category	Course Title	Course Code	Credit Hours
Mathematical Physics Electives	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 Electives	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	-	-
	Operations Research	-	-
	Computational Finance	-	-
Data and Statistics Electives	Introduction to Data Science	-	-
	Introduction to Data Mining	-	-
	Bayesian Statistics	-	-
	Stochastic Processes	-	-
	Time Series Analysis	-	-
	Econometrics	-	-
	Applied Multivariate Statistics	-	-
	Simulation and Computational Statistics	-	-
	Statistical Machine Learning	-	-
	Neural Networks	-	-
	Financial Econometrics	-	-

Course Category	Actuarial Exam	Course Title	Course Code	Credit Hours
Actuarial Science	Exam P - Probabil+B169:B175ity	Probability Theory	MTS231	Math Core
	Exam FM - Financial Mathematics	Financial Mathematics with a Computational Approach	MTS441	Program Core
	Exam FAM – Fundamentals of Actuarial Mathematics	Actuarial Mathematics	MTS450	Math Elective
	Exam ASTAM – Advanced Short-Term Actuarial Mathematics OR Exam ALTAM – Advanced Long-Term Actuarial Mathematics	Actuarial Methods in Non-Life Insurance	MTS452	Math Elective
	Exam SRM – Statistics for Risk Modelling	Statistical Modelling	MTS307	Math Core
	Exam PA – Predictive Analytics	Statistical Machine Learning	MTS 573	Math Elective

S.No.		Courses	Credit Hours
1	General	13	36
2	Major	24	72 or 73
3	Interdisciplinary	4	13
4	Capstone Project	1	3
5	Internship	1	3
6	Minor*	3	9
7	Total	46	136/137

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 program core courses).

Data Analytics (3 additional courses from Data and Statistics Stream, 300 level and beyond, apart from the two required course from this stream that is counted as a program core).

Physics (3 additional courses from Mathematical Physics Stream, 300 level and beyond, apart from the two required courses from this stream that is counted as a program core)

Actuarial Science (AS) (The VEE courses of accounting, finance and economics will be taken from the available list of free electives in the program structure.)

To qualify for exemption from the VEE (Validation by Educational Experience) requirements, students in the actuarial science stream must complete the list of courses in Mathematical Statistics, Economics, and Accounting & Finance offered under the free electives and program core categories. Students must earn a minimum grade of B- (B minus) and satisfy the VEE eligibility requirements. For further information, please refer to the website of the Department of Mathematical Sciences.

3 additional courses from ActuarialScience Stream, 300 level and beyond, apart from the two required courses from this stream that is counted as a program core

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

Semester-wise Sequence of Courses

Semester - 1		Course Code	Credit Hours	Prerequisite	Course Type
1	Calculus-1	MTS101	3	-	Mathematics Core
2	Discrete Mathematics	MTS211	3	-	Mathematics Core
3	Introduction to Programming	CSE141	4	-	Computing Core
4	Critical Reading and writing	SSC101	3	-	University Core
5	Islamic Scholarly Tradition or Philosophy, Logic, and Ethics*	SSC301 / HUM357	3	-	University Core

Semester - 2		Course Code	Credit Hours	Prerequisite	Course Type
1	Calculus- II	MTS113	3	-	Mathematics Core
2	Linear Algebra	MTS203	3	-	Mathematics Core
3	Object Oriented Programming Techniques	CSE142	4	-	Computing Core
4	Speech Communication	HUM201	3	-	University Core
5	Fundamentals of Entrepreneurship	MGT103	2	-	-

Semester - 3		Course Code	Credit Hours	Prerequisite	Course Type
1	Multivariable Calculus	MTS242	3	MTS232	Mathematics Core
2	Introduction to differential Equations	MTS241	3	MTS101	Mathematics Core
3	Fundamentals of Statistics	MTS207	3	-	Mathematics Core
4	Mechanics	PHY101	3	-	Mathematics Core
5	Civic & Community Engagement	-	2	-	-
6	-	-	2	-	Social Sciences Core

Semester - 4		Course Code	Credit Hours	Prerequisite	Course Type
1	Probability Theory	MTS231	3	-	Mathematics Core
2	i. Electricity, Magnetism & waves (Phy) ii. Financial Mathematics with a Computational Approach (AS) iii. Introduction to Data Science (DA) iv. Data Structures (CS)	PHY102 MTS441 CSE247	3 or 4	-	Program Core
3	Differential Geometry	MTS308	3	MTS203	Mathematics Core
4	Partial Differential Equations	MTS436	3	-	Mathematics Core
5	Pakistan History	SSC151	3	-	University Core
6	-	-	2	-	Arts & Humanities Core

Semester - 5		Course Code	Credit Hours	Prerequisite	Course Type
1	Real Analysis	MTS341	3	-	Mathematics Core
2	Statistical Modeling	MTS307	3	MTS102	Mathematics Core
3	Numerical Analysis	MTS306	3	MTS232	Mathematics Core
4	Introduction to Quantum Mechanics(Phy) Probability & Statistical Models (AS/DA/CS)	PHY200 MTS403	3	-	Program Core
5	-	-	3	-	Free Elective
6	Introduction to Artificial Intelligence	-	3	-	Computing Core

Semester - 6		Course Code	Credit Hours	Prerequisite	Course Type
1	-	-	3	-	Free Elective
2	Abstract Algebra	MTS305	3	MTS203	Mathematics Core
3	Mathematical Methods	MTS110	3	-	Mathematics Core
4	Numerical Linear Algebra	MTS115	3	-	Mathematics Core
5	-	-	3	-	Mathematics Elective I
6	-	-	3	-	Free Elective

Summer Semester		Course Code	Credit Hours	Prerequisite	Course Type
1	Internship	-	3	-	Internship

Semester - 7		Course Code	Credit Hours	Prerequisite	Course Type
1	Mathematics Elective	-	3	-	Mathematics Elective I
2	Topology	MTS451	3	-	Mathematics Core
3	-	-	3	-	Mathematics Elective Ii
4	-	-	3	-	Free Elective
5	-	-	3	-	Free Elective
6	Final Year Project	-	3	-	FYP

Semester - 8		Course Code	Credit Hours	Prerequisite	Course Type
1	-	-	3	-	Math Elective IV
2	-	-	3	-	Math Elective IV
3	-	-	3	-	Math Elective VI
4	-	-	3	-	Free Elective
5	-	-	3	-	Free Elective

Master of Science (MS)
COMPUTER SCIENCE

The Department of Computer Science at IBA, under the School of Mathematics and Computer Science (IBA-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 page 95.

Duration

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

Required Courses

MS CS has three basic categories: MS with Thesis, MS with Project and MS with Coursework. In each case, the student should complete 30 credit hours.

MS with Thesis: To be eligible for MS Thesis, it is required to first complete 18 credit hours of course work and have a minimum CGPA of 3.00 or above (from 18 credit hours). Students should opt for Thesis only if they are interested in a research/PhD career path. It should be supervised by a permanent faculty member. The student first registers in MS Thesis-I (3 credit hours). On successful completion (pass grade), they would be required to register and complete MS Thesis-II (3 credit hours) in the consequent semester. It is strictly advised to complete the thesis in these two consecutive semesters.

MS With Project: To be eligible for MS Project, it is required to complete 24 credit hours of course work and have a minimum CGPA of 3.00 or above (from 24 credit hours). The MS Project is an industrial implementation which solves a critical and required industrial problem. However, it can also be a prototype which solves an academic research problem. The MS Project must also be supervised by a permanent faculty member, or jointly by permanent faculty and an industrial counterpart. We have designed and uploaded report templates to ensure quality and impact of MS Project.

MS with Coursework: In MS with Coursework, the student does not opt for MS Thesis or MS Project and takes ten academic courses to complete 30 credit hours.

In each track, the coursework may be taken from more than one of the 4 specialization tracks, with a student required to take a minimum of one course required from each track and a maximum of 7 courses required per track. MS students may also take courses at the PhD (600) level for credit. For more information, visit: https://cs.iba.edu.pk/mscs/aboutmscs.php

Program Structure

MS with Thesis Course Tile	Course	Credit Hours	Total
CS electives	8	3	24
MS Thesis-I	Equivalent to 1 course	3	3
MS Thesis-II	Equivalent to 1 course	3	3
Total	10	-	30

MS with Project Course Tile	Course	Credit Hours	Total
CS electives	9	3	27
MS Project	Equivalent to 1 course	3	3
Total	10	30	30

Foundation Courses for Students with non-CS background	Credit Hours	Course Code
Data Structures & Algorithms	2	CSE511
Database Management	2	CSE512

Core Courses	Credit Hours
Algorithms	3
Parallel and Distributed Computing	3

Master of Science (MS)
DATA SCIENCE

The MS in Data Science (MSDS) program at IBA's School of Mathematics and Computer Science (IBA-SMCS) offers an interdisciplinary foundation in statistical modeling, machine learning, big data analytics, and software development. Designed for CS, IT, and broader STEM graduates, the program also accommodates non-CS/IT/SE students through preparatory foundation courses in algorithms, data management, and application development. Core courses build rigorous theoretical and practical expertise, while electives—such as deep learning, computer vision, and business intelligence—allow students to tailor their specialization. The program emphasizes critical thinking, independent problem-solving, and technological innovation, preparing graduates for high-impact roles in local and global data-driven industries.

Eligibility Criteria

For the eligibility criteria, refer to page 95.

Duration

Minimum duration is 2 years, comprising 4 semesters. Total credit hours are 30

Required Courses

MS Data Science has three basic categories: MS with Thesis, MS with Project and MS with Coursework. In each case, the student should complete 30 credit hours.

MS with Thesis: To be eligible for MS Thesis, it is required to first complete 15 credit hours of course work and have a minimum CGPA of 3.00 or above (from 15 credit hours). Students should opt for Thesis only if they are interested in a research/PhD career path. It should be supervised by a permanent faculty member. The student first registers in MS Thesis-I (3 credit hours). On successful completion (pass grade), they would be required to register and com- plete MS Thesis-II (3 credit hours) in the consequent semester. It is strictly advised to complete the thesis in these two consecutive semesters.

MS With Project: To be eligible for MS Project, it is required to complete 24 credit hours of course work and have a minimum CGPA of 3.00 or above (from 24 credit hours). The MS Project is an industrial implementation which solves a critical and required industrial problem. However, it can also be a prototype which solves an academic research problem. The MS Project must also be supervised by a permanent faculty member, or jointly by permanent faculty and an industrial counterpart. We have designed and uploaded report templates to ensure quality and impact of MS Project.

MS with Coursework: In MS with Coursework, the student does not opt for MS Thesis or MS Project and takes ten academic courses to complete 30 credit hours.
For more information, visit: https://cs.iba.edu.pk/msthesisproject/.

Program Structure

The MSDS program is for 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 Course Tile	Course	Credit Hours
Foundation courses (Summer Semester)	2	6
Core courses	4	12
Electives	4	12
Thesis (MS Thesis I and MS Thesis II)	2	6
Total	12	36

MS with Project Course Tile	Course	Credit Hours
Foundation courses (Summer Semester)	2	6
Core courses	4	12
Electives	5	15
MS Project	1	3
Total	12	36

Foundation Courses for Students with non-CS background	Course Code	Credit Hours	Prerequisite
Data Structures & Algorithums	CSE511	3	-
Database Management	CSE512	4	-

Core Courses

Tracks	Course Title		
1	Mathematics for Data Science	3	Clear all foundation courses/ CS-background
2	Machine Learning - I (Supervised Learning)	3	Clear all foundation courses/ CS-background
3	Big Data Analytics	3	Clear all foundation courses/ CS-background

The Potential List of Offered Electives

Tracks	Electives	Course Code	Credit Hours	Prerequisite
1	Probabilistic Reasoning	CSE655	3	Maths forDS, ML-1
2	Computational Intelligence	CSE659	3	Maths forDS, ML-1
3	Computer Vision	CSE660	3	Maths forDS, ML-1
4	Computational Intelligence	CSE659	3	Maths forDS, ML-1
5	Information Retrieval	CSE665	3	Maths forDS, ML-1
6	Deep Learning	CSE669	3	Maths forDS, ML-1
7	Social Network Analysis	CSE670	3	Maths forDS, ML-1
8	Deep Learning	CSE673	3	Maths forDS, ML-1
9	Text Analytics	CSE674	3	Maths forDS, ML-1
10	Machine Learning-II (Unsupervised Learning)	CSE603	3	Maths forDS, 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

Note:
BS (CS/SE/IT) graduates are exempted from the foundation courses. For other candidates, the interview panel will decide which foundation courses they will be exempted from.

In each academic year, students with non-CS backgrounds will be inducted only in the Fall semester, and students with a CS background with be inducted only in the Spring semester.

The Semester-wise Breakup along with Credit Hours

Semester 0 (Foundation Courses)

S No.	Course Title	Credit Hours	Course Type
1	Introduction to Algorithms	3	Foundation
2	Database Management	3	Foundation
3	Application Development	3	Foundation

Semester 1

S No.	Course Title	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

S No.	Course Title	Credit Hours	Course Type
1	Elective 1	3	Elective
2	Elective 2	3	Elective
3	Elective 3	3	Elective

Semester 3

S No.	Course Title	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

S No.	Course Title	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)
ARTIFICIAL INTELLIGENCE

The MS in Artificial Intelligence (MSAI) program at IBA's School of Mathematics and Computer Science (IBA-SMCS) offers an interdisciplinary foundation in statistical modeling, machine learning, big data analytics, and software development. Designed for CS, IT, and broader STEM graduates, the program also accommodates non-CS/IT/SE students through preparatory foundation courses in algorithms, data management, and application development. Core courses build rigorous theoretical and practical expertise, while electives—such as deep learning, computer vision, and business intelligence—allow students to tailor their specialization. The program emphasizes critical thinking, independent problem-solving, and technological innovation, preparing graduates for high-impact roles in local and global data-driven industries.

Eligibility Criteria

For the eligibility criteria, refer to pages 95.

Duration

Minimum duration is 2 years, comprising 4 semesters. Total credit hours are 30

Required Courses

MS AI has three basic categories: MS with Thesis, MS with Project and MS with Coursework. In each case, the student should complete 30 credit hours.

MS with Thesis: To be eligible for MS Thesis, it is required to first complete 15 credit hours of course work and have a minimum CGPA of 3.00 or above (from 15 credit hours). Students should opt for Thesis only if they are interested in a research/PhD career path. It should be supervised by a permanent faculty member. The student first registers in MS Thesis-I (3 credit hours). On successful completion (pass grade), they would be required to register and com- plete MS Thesis-II (3 credit hours) in the consequent semester. It is strictly advised to complete the thesis in these two consecutive semesters.

MS With Project: To be eligible for MS Project, it is required to complete 24 credit hours of course work and have a minimum CGPA of 3.00 or above (from 24 credit hours). The MS Project is an industrial implementation which solves a critical and required industrial problem. However, it can also be a prototype which solves an academic research problem. The MS Project must also be supervised by a permanent faculty member, or jointly by permanent faculty and an industrial counterpart. We have designed and uploaded report templates to ensure quality and impact of MS Project.

MS with Coursework: In MS with Coursework, the student does not opt for MS Thesis or MS Project and takes ten academic courses to complete 30 credit hours. For more information,
visit: https://cs.iba.edu.pk/msai/#

Program Structure

MS with Project Course Tile	Course	Credit Hours
Foundation Courses (Summer Semester)	2	6
Core Courses	4	12
Electives	5	15
MS Project	1	3

Foundation Courses for Students with non-CS background	Credit Hours	Course Code
Data Structures & Algorithms	2	CSE511
Database Management	2	CSE512

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 for a more specialized training in selected areas of pure and applied mathematics.

Eligibility Criteria

For the eligibility criteria, refer to pages 86-87.

Duration

The minimum duration of the program is 2 years.

Teaching/Research Assistant Positions

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

Part-Time Students

Students can also join the program on a part-time basis (i.e., those students who are not offered or opting for financial assistance) on 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 coursework and 6 credit hours of thesis.
- Six courses (mentioned in the list) at the 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 the 500 level. A student can also choose a PhD Mathematics course as an elective by acquiring 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 for 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 (without thesis). 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.mathematics.iba.edu.pk

Required Course MS with Thesis	Courses	Credit Hours
Core units	6	18
Elective Units	2	6
Literature Survey	1	3
MS Thesis	1	3
Total	10	30

Required Course MS without Thesis	Courses	Credit Hours
Core Units	6	18
Elective Units	4	2
Literature Survey	0	0
Research Work Units	0	0
Total	10	30

Semester-wise Sequence of Courses

Fall Semester - 1		Course Code	Credit Hours	Course Type
1	Computer Programming for Mathematics	MTS576	3	Core
2	Topics in Analysis	MTS562	3	Core
3	Topics in Algebra	MTS575	3	Core
4	Elective I	-	3	Elective

Spring Semester - 2		Course Code	Credit Hours	Course Type
1	Topology	MTS511	3	Core
2	Topics in Linear Algebra	MTS513	3	Core
3	Topics in Probability Theory	MTS508	3	Core
4	Elective II	-	3	Elective

Semester - 3 and 4		Course Code	Credit Hours	Course Type
1	Literature Survey	MTS699	3	Elective
2	MS Thesis	-	3	Elective

Elective Courses

	Courses	Course Code	Credit Hours	Prerequisite
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	MTS511, MTS513, MTS616
13	Algebraic Geometry I	MTS549	3	MTS514
14	Scientific Computing and Software	MTS551	3	MTS521
15	Algebraic Cycles I	MTS553	3	MTS513
16	Arithmetic Algebraic Geometry	MTS557	3	MTS513
17	Exploratory Data Analysis	MTS561	3	-
18	Mathematical Physics I	MTS565	3	-
19	Statistical Data Mining & Knowledge Discovery	MTS569	3	-
20	Statistical Machine Learning	MTS573	3	-
21	Galois Theory	MTS577	3	MTS513
22	Smooth Manifolds	MTS581	3	MTS510

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

Doctor of Philosophy (PHD)
COMPUTER SCIENCE

PhDs in Computer Science are empowered to conduct cutting-edge research, gain recognition, and maintain professional and academic networks. The IBA Department of Computer Science offers PhD programs in various areas, including Artificial Intelligence, Machine Learning, Text Analytics, Computer Vision, Algo- rithms, Quantum Computing, Wireless and Mobile Communications, Multimedia and Web, and Human-Computer Interaction.

The PhD-CS program encourages graduate students to make significant contribu- tions to their field through original research. Participants in this program will be able to collaborate with international researchers, publish scholarly articles, and attend prestigious conferences worldwide. The program will enhance students' quantitative and qualitative research skills and promote interdisciplinary research and interaction with the local industry.

The PhD-CS program fosters independence and originality in the research process. It requires residency of at least two years, during which students must complete a specially designed curriculum of advanced courses. Throughout the residency, students are expected to collaborate closely with a supervisor in their field of specialization.

Eligibility Criteria

For the eligibility criteria, refer to pages 88.

Program Section	Course Title	Courses	Credit Hours
A	Course Work 1,2	6	18
B	Dissertation	-	1

Rules

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

Courses

S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Machine Learning – I	CSE602	3	-
2	Machine Learning – II	CSE603	3	-
3	Bioinformatics Algorithms	CSE607	3	-
4	Advanced Analysis of Algorithms	CSE651	3	-
5	Combinatorial Optimization	CSE654	3	-
6	Probabilistic Reasoning	CSE655	3	-
7	Computational Intelligence	CSE659	3	-
8	Semantic Web	CSE661	3	CSE665
9	Parallel Processing	CSE662	3	-
10	Information Retrieval and Web Search-I	CSE665	3	-
11	Information Retrieval and Web Search-II	CSE666	3	-
12	Big Data Analytics	CSE668	3	CSE248, MTS102
13	Deep Learning	CSE669	3	ICT651
14	Social Network Analysis	CSE670	3	CSE141, CSE248, MTS102
15	Computer Communication Network and Simulation	ICT651	3	ICT659
16	Computer Communication Network and Simulation II	ICT654	3	CSE248
17	Wireless Sensor Networks	ICT659	3	-
18	Advanced Topics In Wireless Sensor Networks	ICT660	3	-
19	WSN Protocols And Applications	ICT662	3	MIS651
20	Theoretical Foundations of IS	MIS651	3	-
21	Advanced Research Topics In IS	MIS652	3	-
22	Advanced Theoretical Concepts in IS	MIS653	3	-

*It is a partial list of courses.

Doctor of Philosophy (PHD)
MATHEMATICS

PhD in Mathematics aims to polish an 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 95.

Duration

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

Rules

- PhD student must spend at least the first two years at the IBA as a full-time PhD scholar. Failing to do 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

The Board of Studies Mathematical Sciences is authorized to introduce any new courses added to the following list as and when required. On successful completion of the course work with a CGPA of at least 3.00, the candidate qualifies to take a comprehensive examination. 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 course to bring their CGPA to the required level.

Comprehensive Exam

After completing the course work, the comprehensive examination would be taken in the second year of PhD. On Successful completion of comprehensive examination, the candidate qualifies to work on a PhD Dissertation.

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 (who will be selected as per the HEC policy).

For further details, visit: mathematics.iba.edu.pk/phd_mathematics

Courses

S No.	Course Title	Course Code	Credit Hours	Prerequisite
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	-	MTS525

Lists of Courses

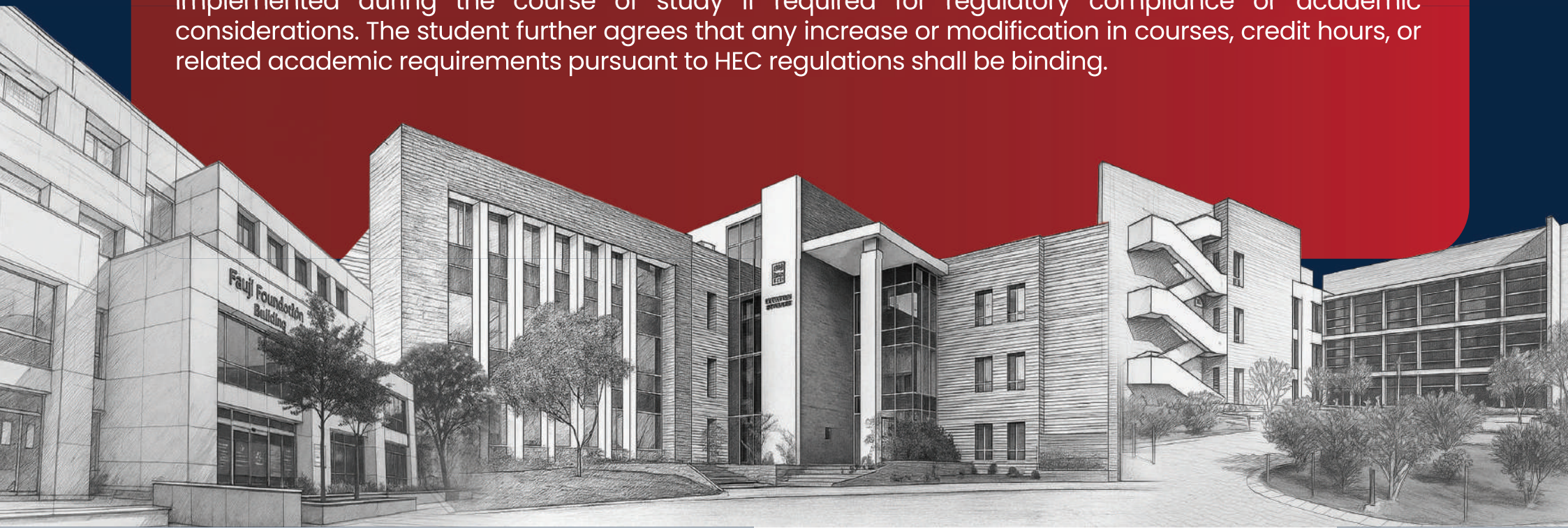
S No.	Course Title	Course Code	Credit Hours	Prerequisite
1	Numerical Treatment of P.D.E.	MTS621	3	MTS515
2	Financial Mathematics	MTS625	3	MTS537
3	Computational Astronomy	MTS637	3	MTS545
4	Applicable Modern Geometry II	MTS645	3	MTS549
5	Algebraic Geometry II	MTS649	3	MTS553
6	Algebraic Cycles II	MTS653	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	MTS242, MTS203
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

S No.	Course Title	Course Code	Credit Hours	Prerequisite
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
32	Computational Algebraic Topology	MTS681	3	-
33	Topology and Category Theory	MTS 686	3	-

Disclaimer

The Institute of Business Administration ("IBA") reserves the right to revise, amend, or increase the number of courses, credit hours, or academic requirements of any program in order to comply with directives, policies, or regulations issued by the Higher Education Commission (HEC) of Pakistan or any other competent regulatory authority.

By enrolling in the program, the student acknowledges and agrees that such changes may be implemented during the course of study if required for regulatory compliance or academic considerations. The student further agrees that any increase or modification in courses, credit hours, or related academic requirements pursuant to HEC regulations shall be binding.



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Main Campus

University Enclave, University Road,
Karachi - 75270 Pakistan
Phone : +92-(21) 3810-4700

City Campus

Plot # 68 & 88 Garden / Kayani
Shaheed Road, Karachi - 74400 Pakistan
Phone : +92-(21) 3810-4701

+92 21 111 422 422 www.iba.edu.pk

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